













The Product Book.

15

iGuzzini






















The Product Book

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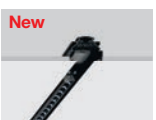


Product Overview Internal lighting systems

Downlights

 48 Laser Blade High Contrast LED	 48 Laser Blade Wall Washer LED	 48 Laser Blade General Lighting LED	 48 Laser Blade L High Contrast LED	 72 Reflex C.o.B. fixed / adjustable / WW LED	 72 Reflex L.L.E. fixed / adjustable / WW LED	 72 Reflex L.L.E. fixed / adjustable / WW LED
 72 Reflex fixed / adjustable / WW	 102 Sistema Easy MH	 102 Sistema Easy FL	 102 Sistema Easy FL	 111 Pixel Pro LED	 120 Pixel Plus LED	 125 Laser fixed / adjustable LED
 125 Laser fixed / adjustable LED	 131 Pinhole	 131 Pinhole	 135 Deep Laser LED	 141 Express Evo LED	 146 Frame LED	 150 Deep Frame / Deep Minimal LED




Adjustable
multi-lamp
luminaires /
Modular system

 141 Express Evo LED	 111 Pixel Pro Frame LED	 131 Pinhole	 48 Laser Blade Adjustable LED	 146 Frame LED	 150 Deep Frame / Deep Minimal LED	 48 Laser Blade System53 LED
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Spotlights

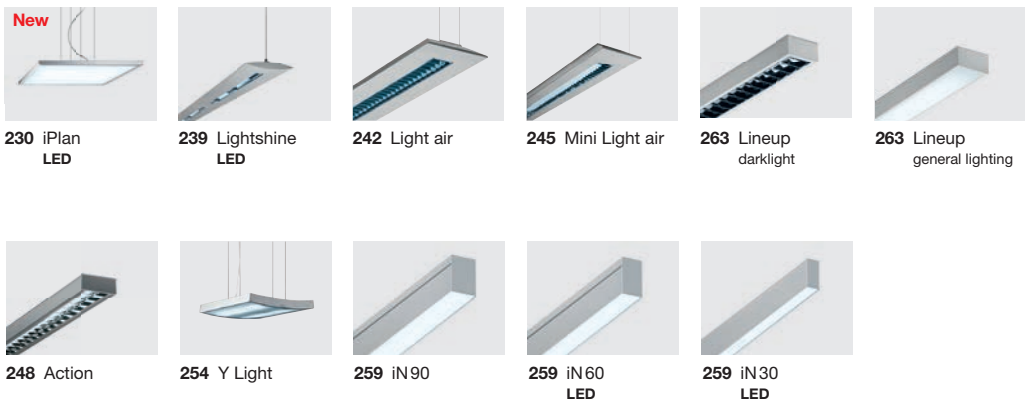
 162 Palco LED	 166 Palco wall washer LED	 168 Palco framer LED	 168 Palco framer LED	 172 Le Perroquet LED	 178 Front Light LED	 184 Tecnica LED
 188 Tecnica Pro LED	 192 iShop LED	 194 iSight LED	 198 Sydecar LED	 202 Primopiano wall washer LED	 204 Primopiano LED	 209 Cestello LED
 206 Tilt LED	 214 Cerchio	 214 Zoom				

Tracks

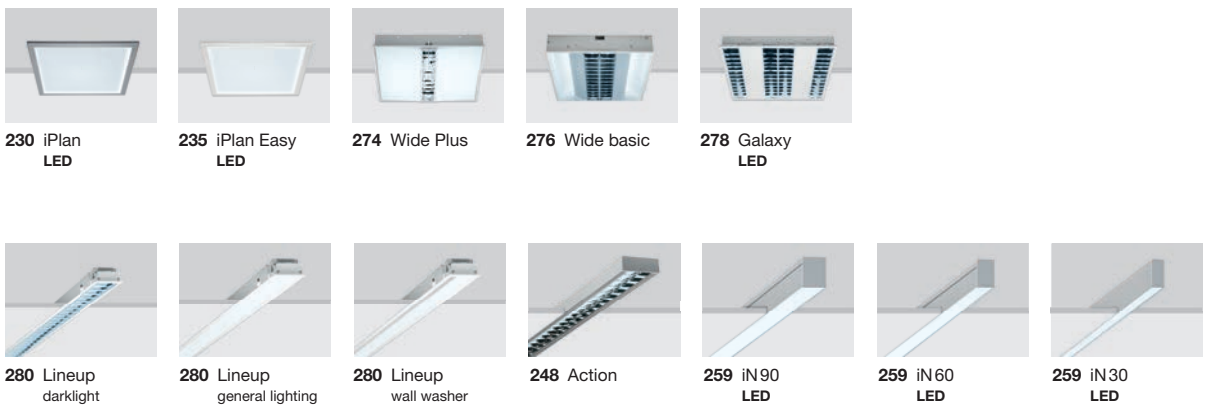
 216 iDuo	 218 Standard track	 220 Recessed tracks	 222 Mini Limelight
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Product Overview Internal lighting systems

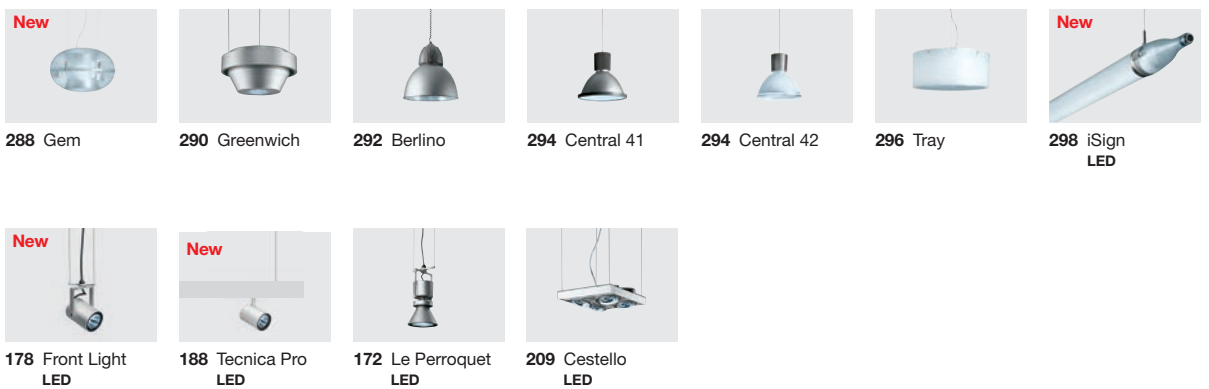
General lighting systems




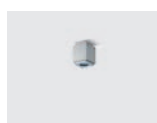


















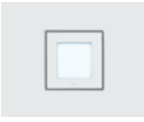



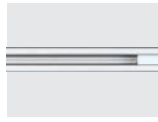



Recessed luminaires



Pendants










Wall / ceiling / floor luminaires

						
302 iRoll LED	636 iPro micro / mini LED	306 Cup LED	308 Motus LED	310 Motus	310 Motus	312 Anyway
New 	New 					
313 Mini Reglette LED	298 iSign LED	316 Ceiling luminaires LED	317 Vision LED	619 iFace	318 iTeka	172 Le Perroquet LED
	New 		New 			
209 Cestello LED	230 iPlan LED	254 Y Light	230 iPlan LED	235 iPlan Easy LED	563 Ledplus all glass LED	563 Ledplus all glass LED
						New 
563 Ledplus stainless steel frame LED	473 Linealuce Mini LED	473 Linealuce Compact LED	320 Underscore6 LED	320 Underscore 15/18 LED	320 Underscore X26 LED	320 Underscore Grazer LED

Floor lamps

		
209 Cestello	230 iPlan LED	254 Y Light

Specific lighting effect luminaires

						
627 Trick Radial LED	627 Trick Light blade LED	627 Trick Washer LED	615 Glim Cube LED	636 iPro micro / mini down light LED	636 iPro micro up/down light LED	339 PizzaKobra LED

Light Management Systems

		
668 Master Pro Evo	678 LMS Quick	684 Colour Quick



Product Overview External lighting systems

Pole-mounted systems



353 La Venaria
LED



357 Albero
LED



361 Anello
LED



365 UFO
LED



372 Crown
LED



375 iRoll 65
System
LED



379 iTeka
LED



385 Platea
System
LED



New

391 Wow
LED



New

399 Archilede HP
LED



405 Lavinia
System
LED



412 iRoad
LED



417 Argo / Delphi
LED



425 Street
LED

Multiple floodlights



429 CityWoody
LED



435 FrameWoody
LED



441 MultiWoody
LED



449 MultiPro
LED

Wall applications



365 UFO
LED



379 iTeka
LED



385 Platea
System
LED



New

391 Wow
LED



New

399 Archilede HP
LED



405 Lavinia
System
LED



412 iRoad
LED



417 Argo / Delphi
LED



429 CityWoody
LED

Linear luminaires for façade lighting



474 Linealuce
Mini
LED



478 Linealuce
Mini recessed
LED



483 Linealuce
Compact
LED



488 Linealuce
Compact recessed
LED



493 Linealuce
LED



493 Linealuce FL
LED



496 Linealuce
recessed
LED



500 Led Tube
LED

Product Overview External lighting systems

Floodlights



509 iPro
micro
LED



509 iPro
mini
LED



New
509 iPro
small
LED



New
509 iPro
medium
LED



New
509 iPro
large
LED



519 Miniwoody
LED



519 Woody
LED



519 MaxiWoody
compact
LED



519 MaxiWoody
small
LED



519 MaxiWoody
medium
LED



519 MaxiWoody
large
LED



534 Platea
LED



537 Lingotto
LED

Recessed luminaires



547 Light Up
Walk Professional
LED



547 Light Up
Walk Professional
LED



547 Light Up
Light
LED



547 Light Up
Walk inox
LED



547 Light Up
Garden
LED



547 Light Up
Balisage
LED



563 Ledplus
all glass
LED



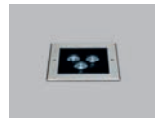
563 Ledplus
all glass
LED



563 Ledplus
stainless steel frame
LED



563 Ledplus
stainless steel frame
with screws
LED



563 Ledplus
stainless steel frame
with screws
LED



575 Lun-Up
LED

Wall/ceiling recessed luminaires



563 Ledplus
stainless steel frame
LED



563 Ledplus
floor washer
LED



563 Ledplus
floor washer
LED



578 Pixy
LED



579 Walky
Miniwalky
LED



582 iRound
LED



New
586 Laser Blade
InOut
LED

Bollards and Systems for residential areas



592 iTeka
LED



New
596 iWay
LED



596 iWay
LED



New
596 iWay
LED



596 iWay
LED



600 Pencil
LED



600 Pencil
LED

Systems for residential areas



602 iPoint bollards



602 iPoint ceiling-mounted



602 iPoint wall-mounted



605 Zyl bollards LED



605 Zyl ceiling-mounted LED



605 Zyl wall-mounted LED



608 Typha LED



New

610 Outer LED



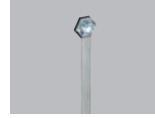
612 Tee bollards LED



612 Tee wall-mounted LED



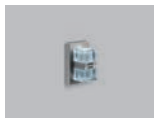
612 Tee floor LED



615 Glim Cube bollards LED



615 Glim Cube wall-mounted LED



615 Glim Cube wall-mounted LED



615 Glim Cube wall-mounted LED



619 iFace bollards



619 iFace wall/ceiling-mounted



621 Ellipse bollards LED



621 Ellipse wall/ceiling-mounted LED



623 Bliz

Wall and ceiling-mounted luminaires



636 iPro micro LED



636 iPro mini LED



New

636 iPro small LED



New

636 iPro medium LED



New

636 iPro large LED



645 iRoll 65 micro LED



645 iRoll 65 mini LED



645 iRoll 65 small LED



645 iRoll 65 large LED



New

298 iSign



654 Full Square



655 Full



656 Comfort

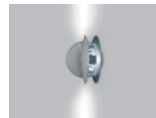


656 Comfort

Specific lighting effect luminaires



627 Trick Radial LED



627 Trick Light blade LED



627 Trick Washer LED



615 Glim Cube LED



636 iPro micro/mini down light LED



636 iPro micro up/down light LED



634 Kriss

Light Management Systems

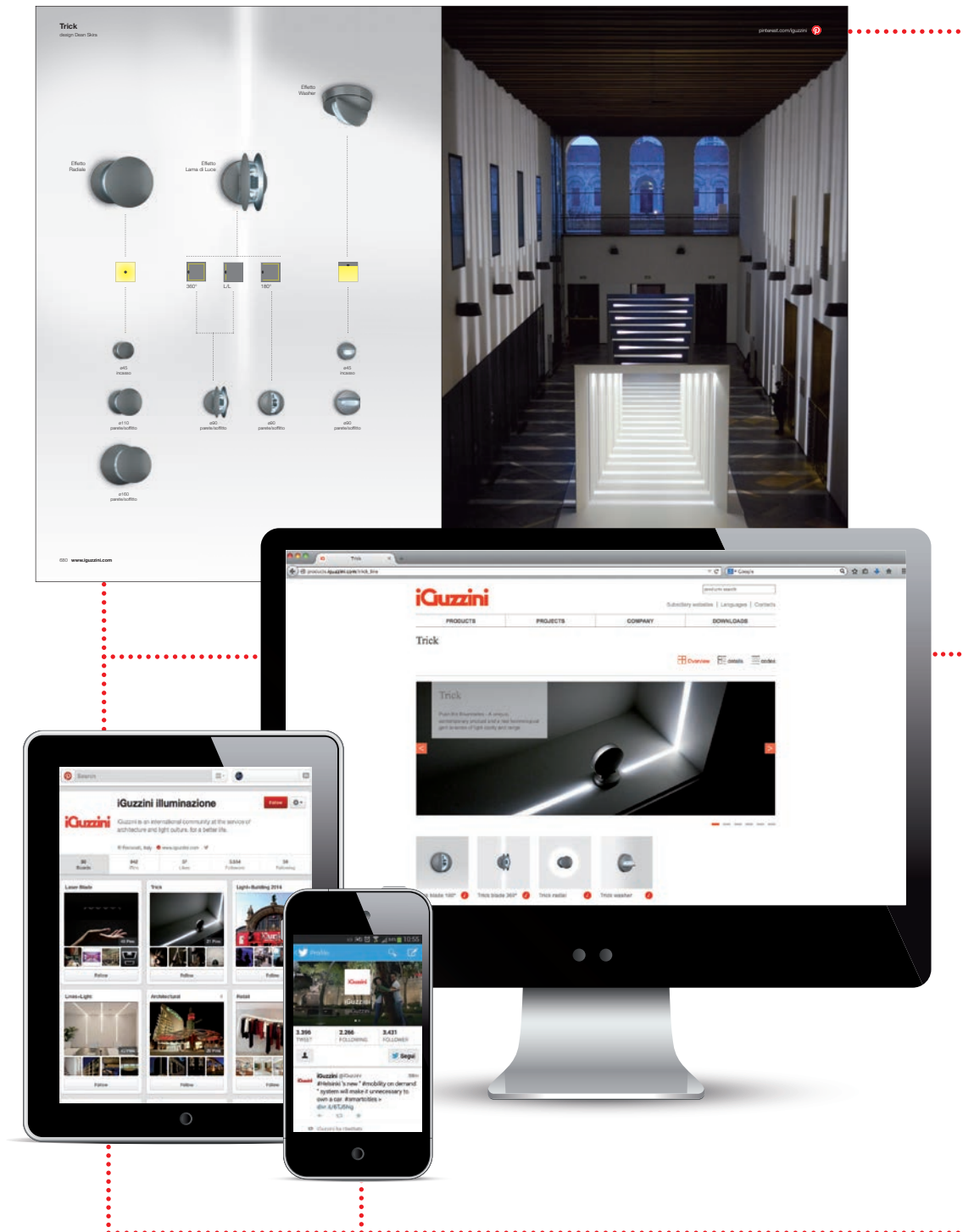


664 Master Pro DMX

The Product Book system

Design is finally integrated: searching for new stimuli, finding inspiration and expressing personal stances and ideas, these are the actions that characterise the work of architecture and lighting **designers**. It is a complex journey of **know-how**, exploration and in-depth analysis. To satisfy these requirements, we have constructed a system of tools to help designers through the various steps of the process. Multidisciplinary, multi-level and constantly updated, the Product Book system **integrates design inspiration, technical specifications** and in-depth formal and performance analyses to sustain highly advanced design processes.

The **printed catalogue** includes a presentation and description of both our indoor and outdoor products.



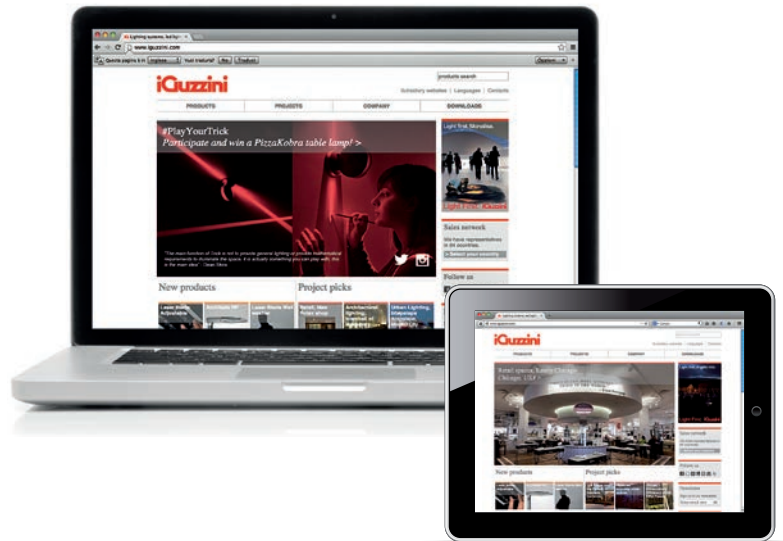
Get inspired, interact and nourish your creativity. Accounts on a variety of **social networks** ensure we are always in close contact with our community.

products.iguzzini.com is dynamic, immediate and updated in real time. It is an online catalogue created to facilitate professional design.

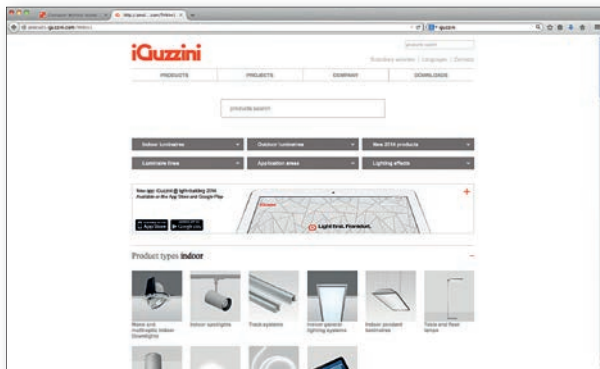
The Product Book system

products.iguzzini.com

Navigating products.iguzzini.com is quick and intuitive and available on a **wide range of devices**. It includes technical sheets, **performance** data, and installation instructions, with **photometrics** and reference parameters. There are six search methods and three types of information display. 3 clicks are all you need to find anything you want about a single product code: **technical specifications**, photometry, instruction sheets and 2D/3D illustrations. This is a tool that provides real time updates on all the latest iGuzzini products as well as comprehensive information about their features, effects and **applications**.

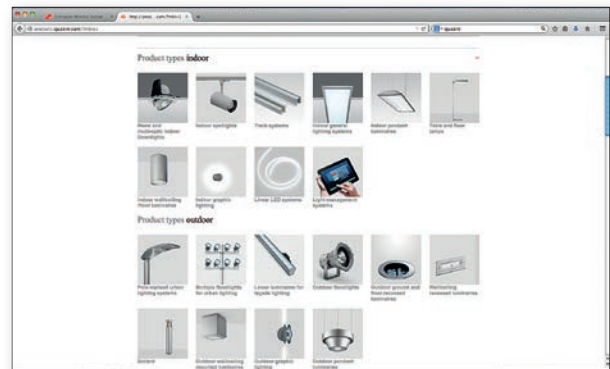


There are six types of product search:



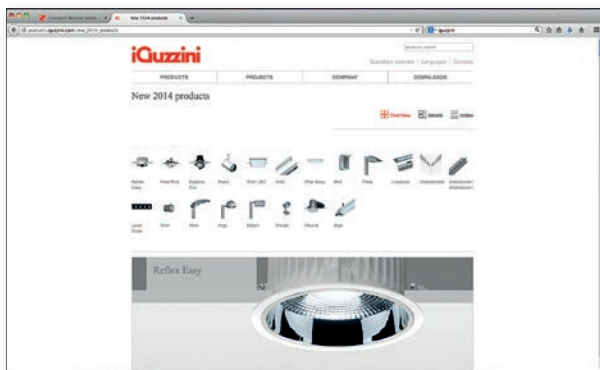
1 - Free search

The **database** provides a list of products relevant to the search criteria entered.



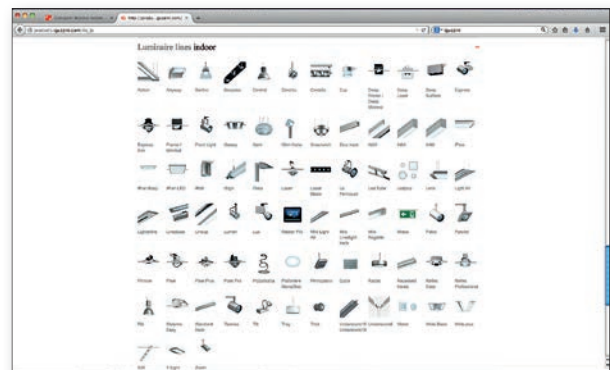
2 - Indoor and outdoor product types

This divides the iGuzzini lighting **range** into indoor and outdoor product types.



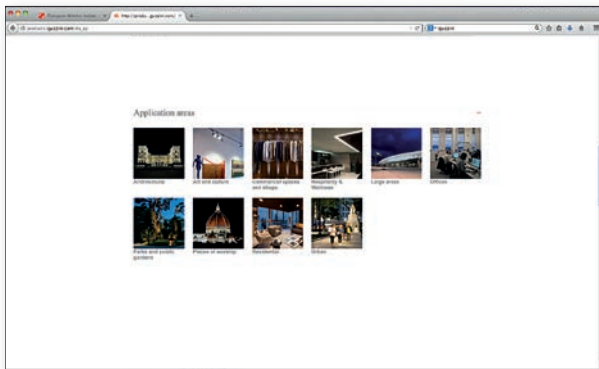
3 - 2015 new products

A section that is constantly updated so you don't miss any of our latest **innovations**.



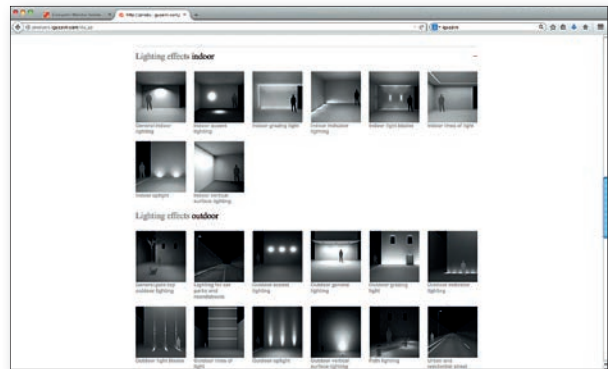
4 - Product lines

A comprehensive overview of our lighting proposals for indoor and outdoor **contexts**.



5 - Application areas

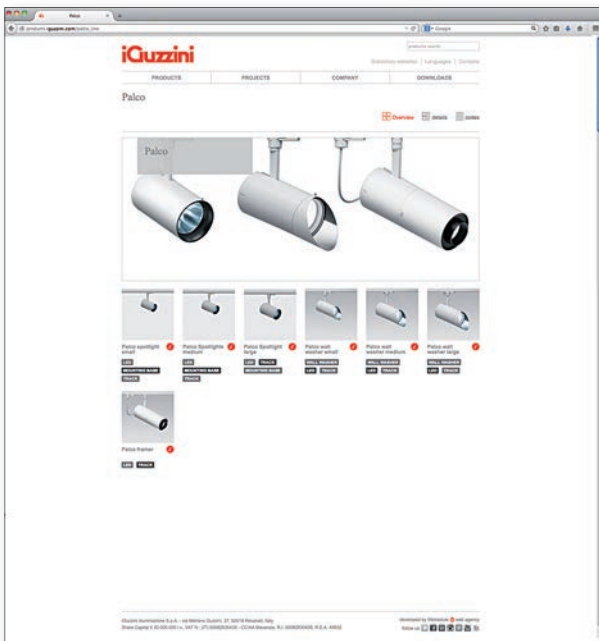
Choose the application **area** to display the available products.



6 - Light effects

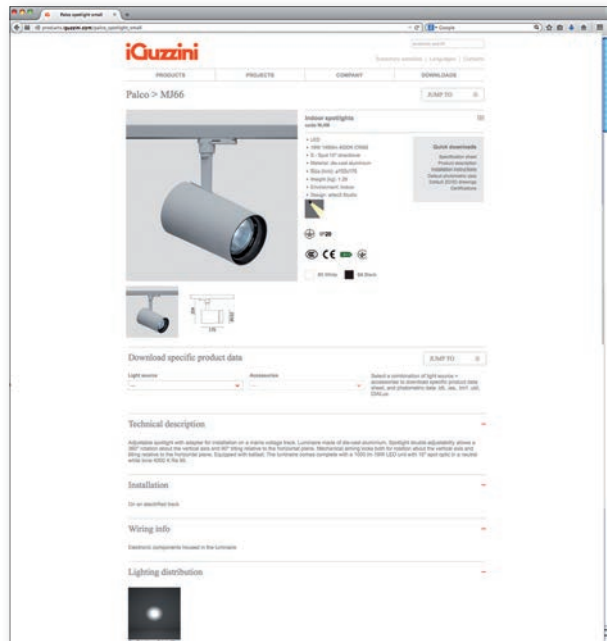
Find the product you need by first selecting the desired light **effect**.

Search results



Lines

An overview of the main style and technical features for a particular **product line**.



Codes

A detailed profile of an individual lighting device complete with all the required **specifications**.

Rapid download

- Technical sheet
- Installation instruction
- Photometric data
- 2D/3D drawings
- Certification
- Dialux plug-in

Advanced download:

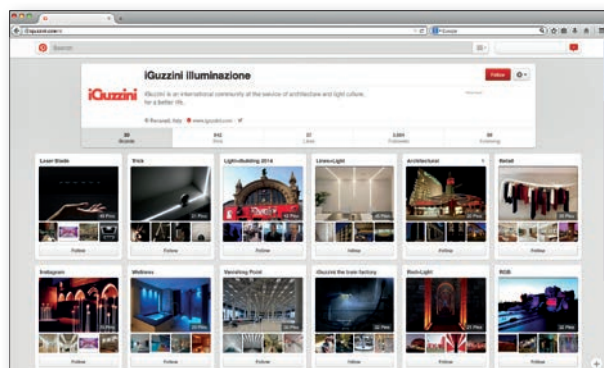
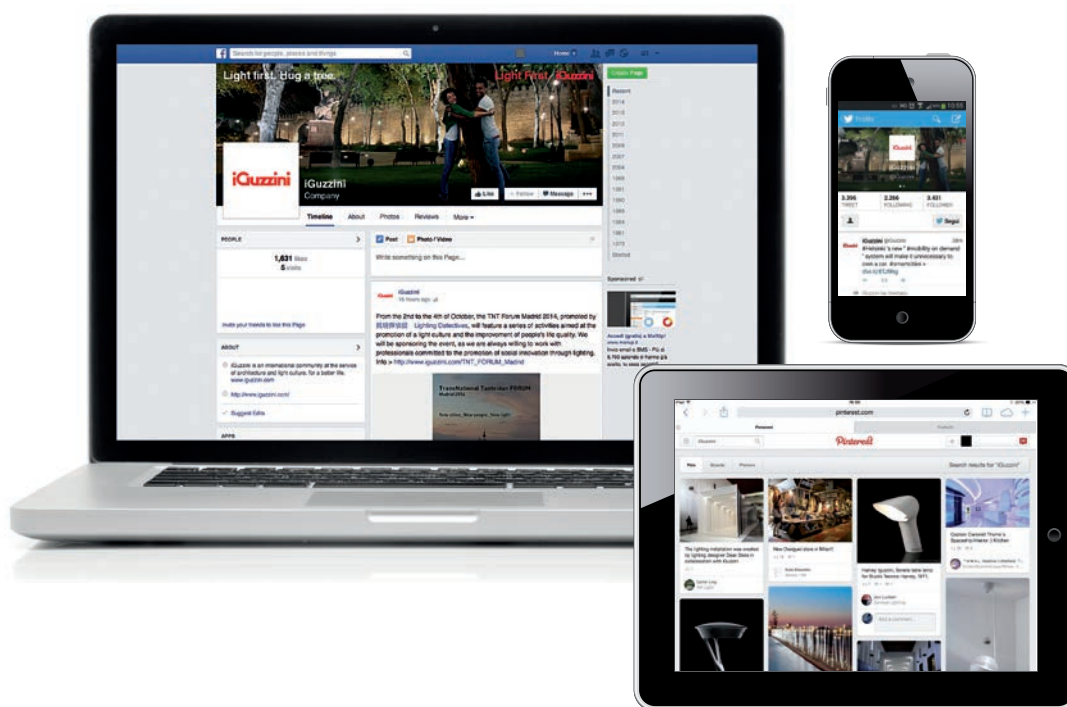
Customized documentation can be obtained by selecting a specific lamp and optic accessories.

The Product Book system

@iguzzini

Constantly in movement and updated in real time. Our social media accounts are designed to stimulate and inspire as well as helping to share ideas and experiences. Enjoying our products through videos, images and copy has never been so easy.

There are community backstage experiences, designs, production processes, previews, live event coverage and much more. We are open to and curious about differences, and we believe in generating new know-how through continuous dialogue.



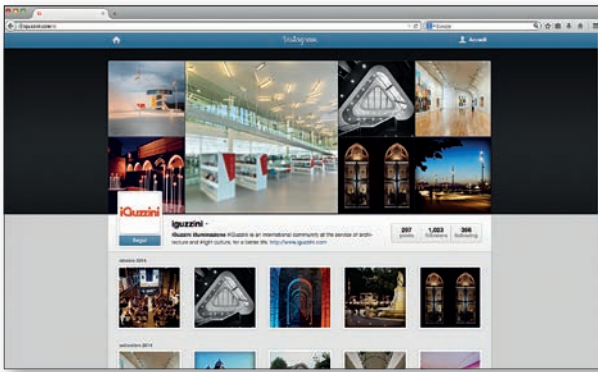
[pinterest/iguzzini](https://www.pinterest.com/iguzzini/)

A collection of product and application images for design inspiration.



[twitter/iguzzini](https://twitter.com/iguzzini)

140 characters to keep everyone up to date and ensure you don't miss any exciting news.



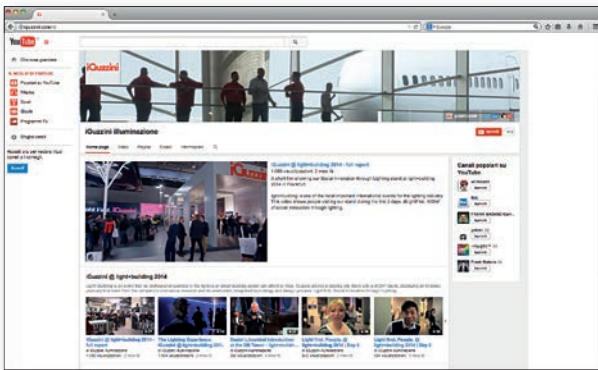
 **instagram/iguzzini**

A daily photographic showcase offering unique and original content.



 **linkedin/company/iguzzini**

A dynamic page with company information and the latest job offers.



 **youtube/iguzzinispa**

A channel for reliving events, viewing product clips, and exploring application case studies.



 **facebook /iguzzini**

A network where you can share, interact, compare notes and enjoy light based experiences.



 **weibo/iguzzinichina**

A platform to discover the world of light seen from Shanghai.

Our values

Social innovation through lighting

Total innovation in ideas, in opinions, in products, processes and services.

At iGuzzini, every value is a byword for **industrial** progress and **technological research**. There is something solid, positive and long-term in the idea of working with a long-standing perspective. It means laying concrete foundations, satisfying ideas and making plans for the future.

The challenge we face is to improve existing solutions and create new ones. To achieve this we continuously interact with international **design** leaders and manufacturers of technology best in their class.



Our values

Industry

Performance excellence requires advanced processes and specialized, integrated skills. This is why we have decided to work together with the most reliable partners worldwide: to ensure we have the best components, to share information and to guarantee that everything is in line with the most up-to-date technology.

We have adopted World Class Manufacturing, a work process that features zero faults, zero waste and zero delivery delays. We are always confident about what we do as our production procedures are continuously assessed by independent bodies.



Company Certifications

1994 ISO 9001 Company Quality Certification
2008 ISO 14001 Company Environmental Certification
2014 ISO 50001 Company Energy Management Certification

Product Certifications

since **1976** all products have obtained IMQ trademark certification
since **1996** all products have obtained ENEC trademark certification
since **2004** all products have obtained CCC trademark certification

Safety Standard Certifications

1973 start up
1992 IMQ/ S.M.T. procedure accreditation to obtain IMQ and ENEC trademark certification (with DEMKO/UL too)
2004 UL (Underwriters Laboratories) accreditation to obtain UL trademark certification
2011 CQCC (China Quality Certification Center) accreditation to obtain CCC (China Compulsory Certification) trademark certification.

Photometric Certifications

1981 start up
1997 IMQ accreditation to obtain IMQ Performance - photometric data certification and energy efficiency
2011 UL accreditation to conduct in compliance with the LM79 standard - photometric data certification and energy efficiency

Design

Design, the founding element of our heritage, is not simply a question of style. It is something that affects the entire iGuzzini product development process. To guarantee top performance, reliability and optimum visual experience, designing a luminaire means combining elements that complement each other.

This requires a wide range of skills and expertise in a variety of disciplines. This is the only way to create elegant luminaires that decorate space while also controlling light emission so perfect visual quality is guaranteed for each and every context.



Our values

Every projects counts

We continually define new ways of designing light and new application contexts. Major urban, cultural and social projects offer new experiences and opportunities to highlight architectural details and enhance surfaces and volumes. Light is currently leading a profound architectural revolution. It has become central to the quality and wellbeing of any environment, including offices, museums, retail spaces and spiritual, professional and residential contexts as well as parks and gardens.

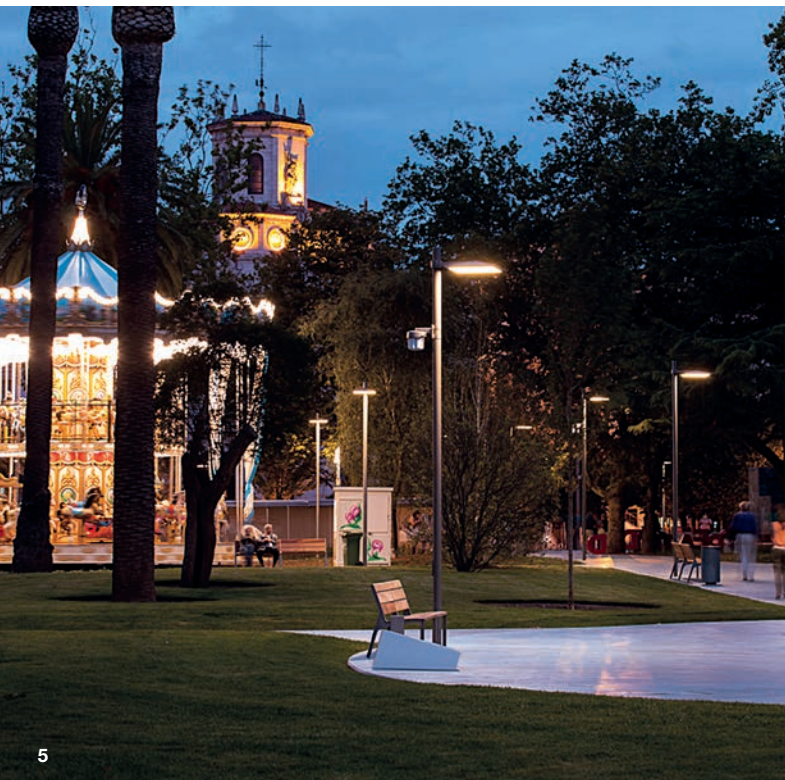
- 1 Tivoli Business Centre
Paris, France
- 2 "Parlatino", Latin-American
Parliament building, Panama
- 3 Piazza del Duomo
Florence, Italy
- 4 Conrad Hotel
Beijing, China
- 5 Pereda Gardens
Santander, Spain
- 6 Eataly Smeraldo Store
Milan, Italy
- 7 Queen Alia International Airport
Amman, Jordan
- 8 "Renzo Piano Building Workshop
- Piece by Piece" Exhibition,
Palazzo della Ragione, Padua



- Architectural
- Art & Culture
- Large areas
- Places of worship
- Parks & Gardens
- Retail
- Street & Urban
- Hospitality
- Offices

 [pinterest.com/iguzzini](https://www.pinterest.com/iguzzini)

To view other projects, check out the iGuzzini Pinterest boards.



5



6



7



8

Topics 15

2015 technological innovations

Every year our research focuses on a variety of **areas**, including optics, electronics, design and **graphic lighting**. To achieve lower consumption, longer product life, minimum operating temperatures, excellent light yield and new effects, we construct **highly advanced** production processes.

We exploit nanotechnology and we work on the physics of materials. We have improved heat dissipation mechanisms, corrosion resistance, and the colour quality and flux of our luminaires. Smart grid connections, sensor mechanisms and multilayering are other areas that our scientific research is currently exploring.



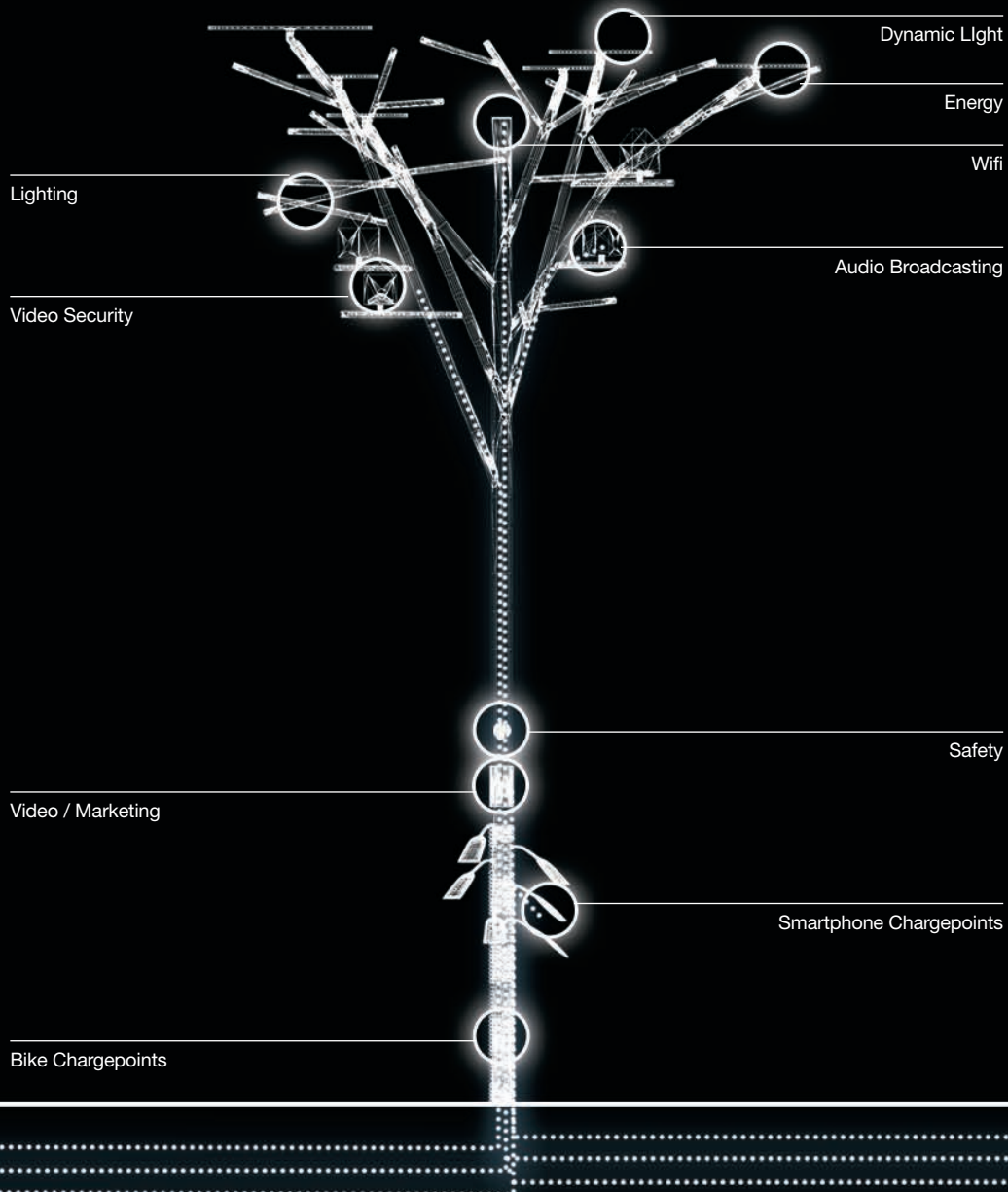
Topics 15

Smart city

Urban lighting must seek must be sustainable, save energy and use resources intelligently. Today, new, smart products are needed that can interact with municipalities via a continuous exchange of information. Connection networks are increasingly powerful, increasingly efficient and offer services that respond promptly to urban requirements.

Infinittree is designed to exploit the growing opportunities that technology has to offer. It is a tool that is continuously updated, has no usage limits and is ready to pick up on the impulses that come from the city and provide responses that can improve human life.

Concept Infinittree: Enzo Eusebi



Graphic lighting

We have created a new discipline that can only be achieved with tools designed on the basis of new application ideas, such as Graphic Lighting. With Trick and Underscore, product and architecture combine perfectly to create an original perspective on the relationship between light and architecture and between light and the urban life. This gives designers ultimate freedom of expression, as light becomes a luminous brush that can draw or define spaces and turn them into unique visual experiences.

- 1 Dean Skira's "Hooked up"
Installation at the Hybrid
Architecture & Design event in Milan
- 2 A-2 Residential Building,
Rende, Italy
- 3 Tbilisi Public Service Hall,
Tbilisi, Georgia
- 4 Oda Architeti

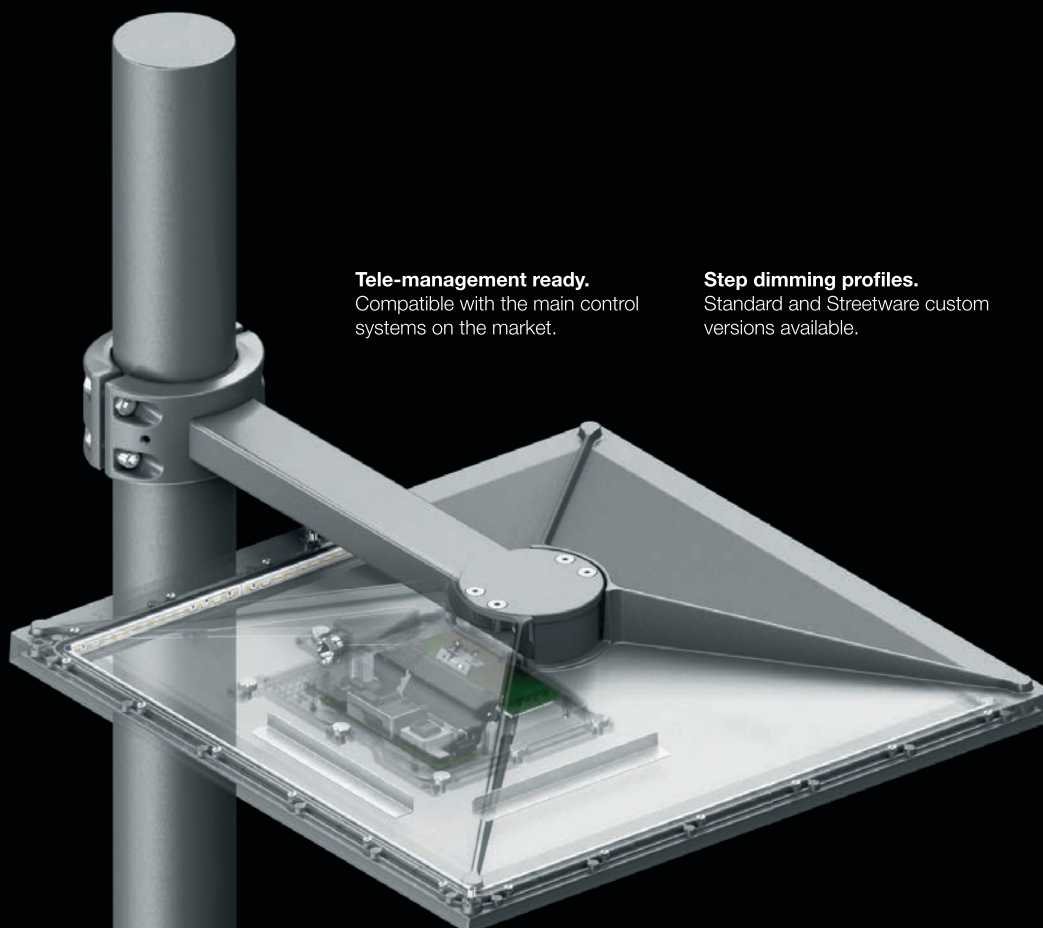


Topics 15

Smartronic

Exclusive and intelligent electronics, conceived and designed by the iGuzzini Innovation Lab, adapt our luminaires to the project requirements and various urban lighting operating regimes.

Standard step dimming profiles, common telemanagement systems compatibility, constant lumen output and futureproof. This is how our products offer endless opportunities.



Tele-management ready.

Compatible with the main control systems on the market.

Step dimming profiles.

Standard and Streetware custom versions available.

3 power levels.

The products can be operated with three different current levels (products with Opti Smart technology).

CPI Constant Power.

Constant power for the product's entire life.

Midnight recognition.

Midnight recognition time profiles.

Bi-power with cable.

2 power levels on existing systems with an extra cable.

CLO Constant Light.

Constant light flux for the product's entire life.

All the technical specifications and programming systems are indicated on page 346

Streetware

We believe in working in a collaborative way with lighting planners, iGuzzini and municipal authorities. Streetware is a revolutionary software that helps designers choose the product that will best meet the requirements of a specific project.

The optimal solution is presented in a report that contains energy savings data and real consumption levels for the entire life of the device. Streetware personalizes responses and improves street lighting with the right quality of light.



1 You can connect to Streetware. iguzzini.com to create a customized configuration according to the requirements of your lighting project. The software will help you to find the best products in order to achieve the performance you desire.

2 The programming file generated by Streetware is stored in a dedicated accessory, the USB Pen Profiler. In order to install and use the USB you can download a utility from our site or by connecting directly to: iguzzini.com/streetware_usb/StreetwareUSBsetup.zip.

3 Now the products are ready to be configured according to the chosen profile. You simply need to connect the USB Pen Profiler to the fixtures.



* Steps **2** and **3** are not necessary if the fixtures operate according to one of the standard CPI profiles.

Topics 15

It's in the product

More advanced technology, less light dispersion and higher energy savings. We design and produce our LED products to ensure their quality and yield is improved year after year. Our Innovation Lab seeks to achieve: maximum light efficiency, superior visual comfort, and a correctly directed, uniform light flux that uses highly reflective materials if necessary.



Opti Beam

The result of lengthy research, this optic improves colour uniformity by eliminating halos and removing stains or double rings that may be generated by traditional LED lamps.

- Palco
- Front Light
- Technica
- iShop
- Sydecar
- Pixel Pro

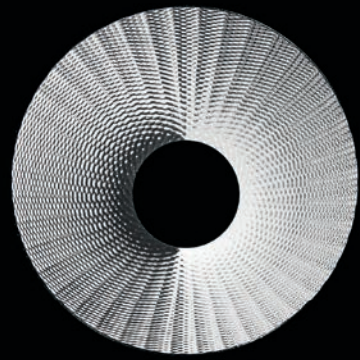
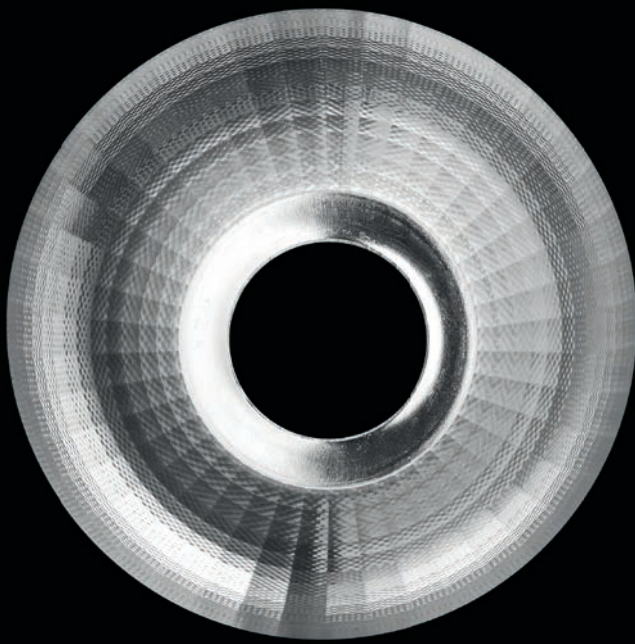


Opti Smart

Efficiency and visual comfort for our outdoor products. This optic improves light flux, guarantees low consumption and long lamp life and reduces CO₂ emissions.

- UFO
- Crown
- iTeka
- Wow
- Archilede HP
- Lavinia System
- iRoad
- Argo
- Delphi
- CityWoody
- FrameWoody
- MultiWoody





Opti Beam

Opti Smart



Glare index G4



Glare index G6

Trick



Laser Blade Wall Washer

New tools

2015 product news

Our new solutions affirm innovation, safety and **reliability** over time.

They are products that blend naturally with the environment, without disturbing the geometry of spaces. These are the requirements we have focused on and which drive our research and development into new, more compact luminaires that offer improved **performance** compared to traditional lamps in just a few millimetres of light.

We have solved the problem of combining minimalist design with high performance, without forgetting that better light is not only great to look at, but also helps **improve** the quality of life of all those who experience it.



New tools

Laser Blade L High Contrast

The innovative technology of Laser Blade now enjoys an extra dimension.

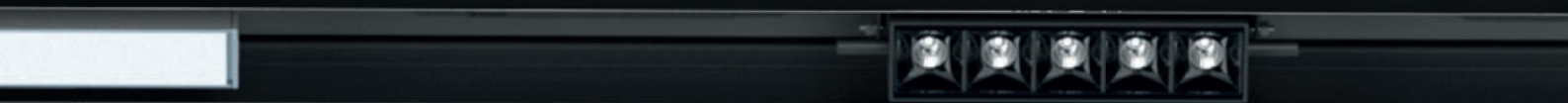
Laser Blade L is the latest arrival in this family of revolutionary downlights that has received numerous international awards. Available with three different colour temperatures, this product now also offers a choice of two rasters, as alongside the traditional

black, there is now also a white version that ensures the device blends perfectly with the architecture of any project. Visual comfort is also guaranteed for these environments that require high intensity lighting.

All technical lighting features of Laser Blade L are presented on page 53 and on products.iguzzini.com/laser_blade_L_high_contrast



Laser Blade L High Contrast



Laser Blade InOut

Laser Blade is industrialized in the new InOut version. It is the perfect solution for all applications requiring a high IP grade, such as building canopies, bridges with crossings, swimming pools, bathrooms and marquees. The product is available in four sizes, Frame and Minimal version, with High contrast optic.

All technical lighting features of Laser Blade InOut are presented on page 586 and on products.iguzzini.com/laser_blade_inout

Laser Blade System53

This is the first architectural lighting system designed by OMA. It is a modular tool that anticipates the new metropolitan cultures in offices, retail and hospitality. Laser Blade System53 is an equipped frameless channel, is only 53mm wide, and can be customized in shape and length.

All technical lighting features of Laser Blade System53 are presented on page 65 and on products.iguzzini.com/laser_blade_system53



Laser Blade InOut

Laser Blade System53



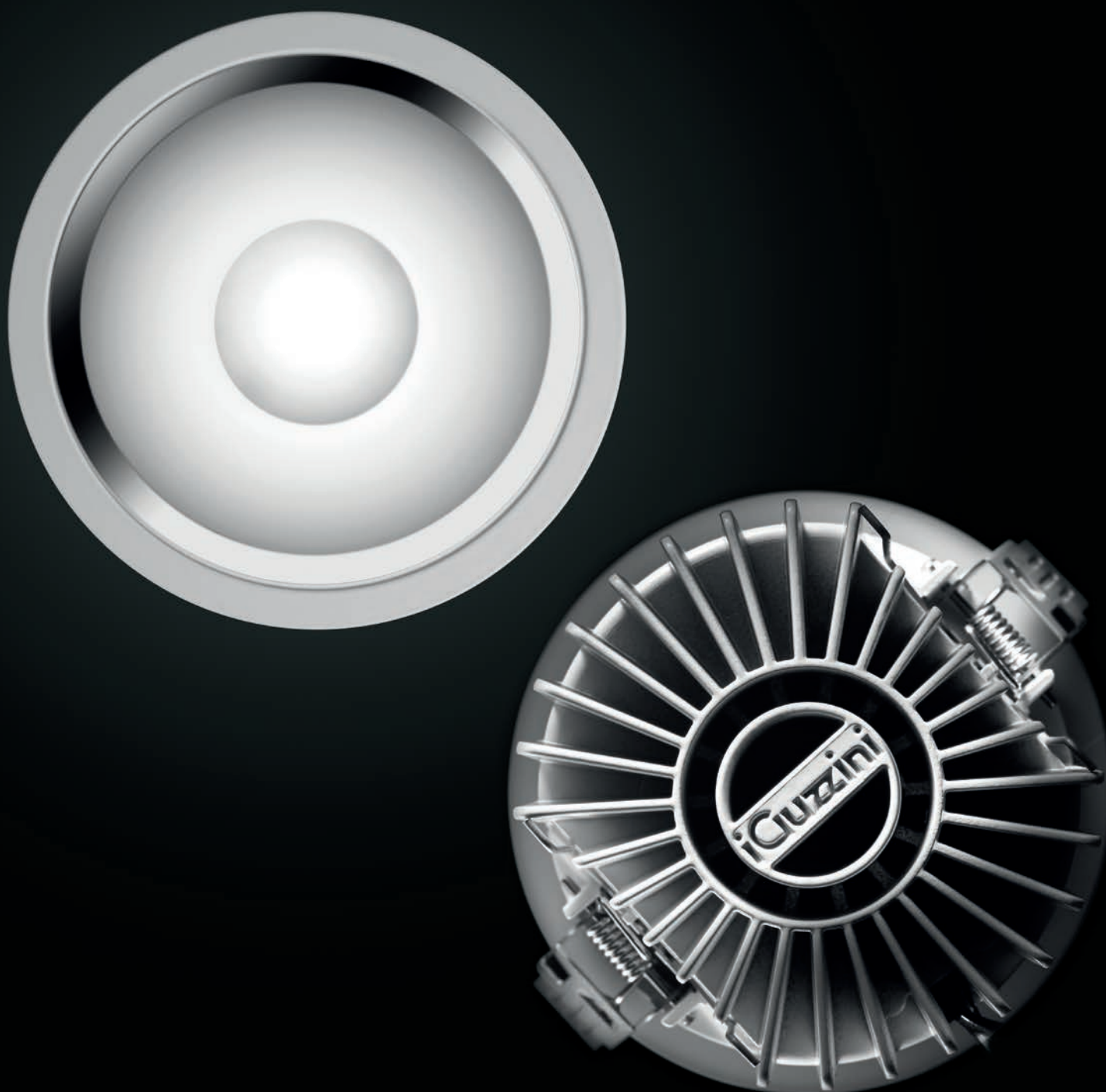
New tools

Reflex

Designed to satisfy a vast number of lighting requirements, Reflex Easy, the highly successful line of recessed luminaires, now boasts an even wider range. All the versions are fitted with C.o.B. Leds offering a range of power between 1000 to 8000 lumen. The fixed, adjustable and wall washer models can be fitted with or without a frame.

The UGR<19 optic is perfect for environments that require a high level of visual comfort, like offices or stores, without sacrificing high efficiency or excellent colour yield.

All technical lighting features of Reflex are presented on page 72 and on products.iguzzini.com/reflex_line



Underscore Grazer

The perfect fusion of light and architectural walls. This new version of Underscore creates pleasant diffused lighting without shadows. The option of using corner accessories allows designers to define any perimeter, even those with

highly complex geometries. The luminaire produces a grazing, continuous light, while remaining invisible.

All technical lighting features of Underscore Grazer are presented on page 334 and on products.iguzzini.com/underscore_grazer_line



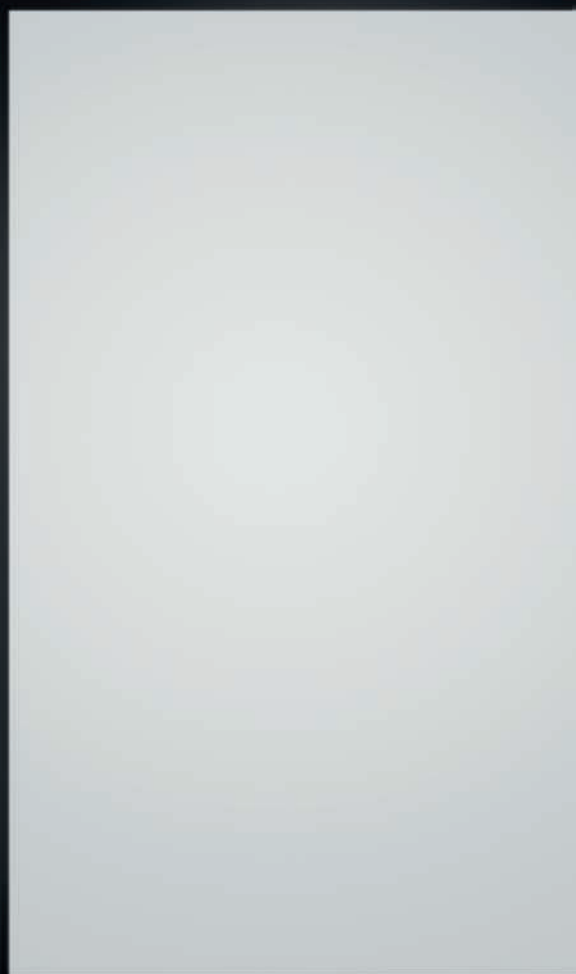
New tools

Palco framer

All the potential of a successful product like Palco framer incorporated in a new dimension. The small 1500 lumen size is the ideal solution for museum contexts that require the product to be discreet, without compromising high performance.

Round, square or rectangular, the luminaire emits a beam that can be adjusted without opening the device.

All technical lighting features of Palco framer are presented on page 168 and on products.iguzzini.com/palco_framer



iShop

Designed by Carlo Colombo, this elegant spotlight is the ideal solution for stores that require high illumination levels and stylish design.

The die-cast aluminium luminaire is extremely mobile thanks to 360° rotation around the vertical axis and 90° rotation around the horizontal plane.

It has a very compact volume after being adjusted in position. The height of the large body version is 20 cm. Black and white. The three sizes fit C.o.B. LEDs with powers of up to 5000 lumen.

All technical lighting features of iShop are presented on page 192 and on products.iguzzini.com/ishop_line



Coordinated design options

Formal continuity

One of the distinctive and historic **strengths** of our range, are its coordinated lines that allow formal **consistency** and performance to be maintained for different application requirements. Coordinated products extend in both a **horizontal** direction (suspended, wall or base-mounted luminaires) and a **vertical** direction with ranges that vary in terms of both size and power. Coordinating luminaires is not just a question of size, but of adapting the functions and form of each individual product while also maintaining its **distinctive style** and the quality of its performance.



Coordinated design options

Laser Blade



High Contrast
page 50

High Contrast L
page 53

Wall Washer
page 56

General Lighting
page 59

Adjustable
page 61

System53
page 65

InOut
page 586

Front Light



Spotlight
page 178



Track suspension
page 178

Le Perroquet



Spotlight
page 172



Wall/ceiling-mounted
page 172



Track suspension
page 172



Suspension with base
page 172

Cestello



Spotlight
page 209



Wall-mounted
page 209

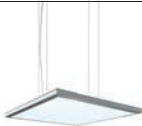


Pendant
page 209



Floor lamp
page 209

iPlan



Pendant
page 230



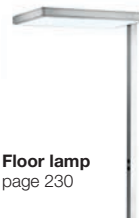
Wall-mounted
page 230



Ceiling-mounted
page 230



Recessed
page 230



Floor lamp
page 230

Y Light



Pendant
page 254



Wall-mounted
page 254



Floor lamp
page 254

Trick



Radial
page 628



360° Light Blade
page 630

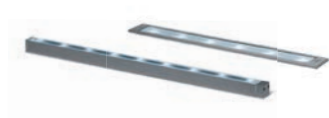


180° Light Blade
page 630

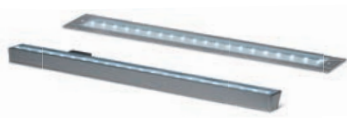


Washer
page 632

Linealuce



Mini / Mini recessed
page 473



Compact / Compact recessed
page 473

iPro



Floodlight micro
page 510



Floodlight mini
page 510



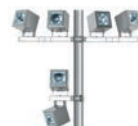
Floodlight
page 512



Ceiling-mounted
page 636



Wall-mounted
page 636



Multi Pro
page 449

Woody



Floodlight Miniwoody
page 520



Floodlight Woody
page 520



Floodlight MaxiWoody
page 528



City Woody
page 429



Frame Woody
page 435



Multi Woody
page 441

iRoll 65



Ceiling-mounted
page 645



Wall-mounted down light
page 645



Wall-mounted up/down light
page 645

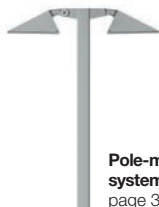


iRoll 65 System
page 375

iTek



Bollards
page 592



Pole-mounted system
page 379



Floodlight
page 592



Wall-mounted
page 592



Wall-mounted
page 592

Glim Cube



Bollards
page 615



Wall-mounted
page 615



Wall-mounted Up or down light
page 615



Wall-mounted Up/down light
page 615



Wall-mounted Elliptical effect
page 615



Wall-mounted Light Blade
page 615

Zyl



Bollards
page 605



Wall-mounted
page 605



Pendant
page 605

iPoint



Bollards
page 602



Wall-mounted
page 602



Ceiling-mounted
page 602



Downlights

Downlights



48 Laser Blade
High Contrast
LED



48 Laser Blade
Wall Washer
LED



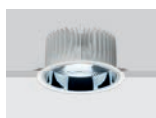
48 Laser Blade
General Lighting
LED



48 Laser Blade L
High Contrast
LED



72 Reflex C.o.B.
fixed / adjustable / WW
LED



72 Reflex L.L.E.
fixed / WW
LED



72 Reflex L.L.E.
fixed
LED



72 Reflex
fixed / adjustable / WW
LED



102 Sistema Easy
MH



105 Sistema Easy
FL



105 Sistema Easy
FL



111 Pixel Pro
LED



120 Pixel Plus
LED



125 Laser Pixel /
Moon
LED



125 Laser
fixed / adjustable
LED



125 Laser
fixed / adjustable
LED



131 Pinhole



131 Pinhole



135 Deep Laser
LED



141 Express Evo
LED



146 Frame
LED



150 Deep Frame /
Deep Minimal
LED

Adjustable multi-lamp luminaires



141 Express Evo
LED



111 Pixel Pro
Frame
LED



131 Pinhole



48 Laser Blade
Adjustable
LED



146 Frame
LED



150 Deep Frame /
Deep Minimal
LED











Recessed modular system



48 Laser Blade
System53
LED

Downlights



 Fixed horizontal luminaires	•	•	•	•	•	•
 Adjustable horizontal luminaires						
 Wall-washer vertical luminaires	•		•	•	•	•
 Installation with rim (Frame)	•	•	•	•	•	•
 Installation flush to ceiling (Minimal)	•	•	•		•	
 LED	•	•	•	•		
 Traditional lamp					•	•

Pixel Pro

Pixel plus

Laser

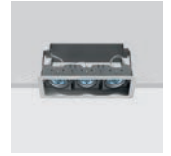
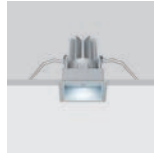
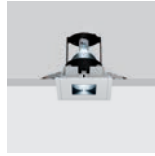
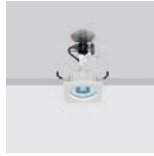
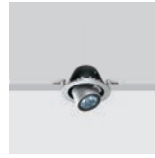
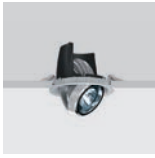
Pinhole

Deep Laser

Express Evo

Frame

Deep Frame / Minimal

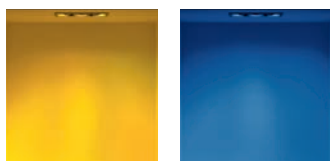


Downlights

Coloured filters



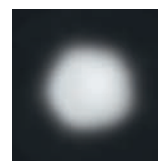
The luminaire/coloured filters combination uses colours to emphasise and change spaces and objects.



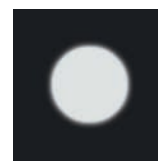
Soft Lens filter



This filter defines the borders of the light cone.



with filter



without filter

IR/UV filter



These filters reduce and control ultraviolet (UV) and infrared (IR) rays.



Controlled luminance



Luminaires equipped with these optics ($L \leq 1000 \text{ cd/m}^2$ for $\alpha < 65^\circ$) are suitable for use in environments with video terminals in accordance with EN 12464-1.



High output



These optics allow compliance with European standards, guaranteeing a high level of light output and consequent energy savings.



Double-adjustability



These luminaires permit rotation around vertical axis and tilting with respect to horizontal plane. Degrees change according to luminaire.



Installation

Recessed luminaires can be installed flush with the ceiling (Minimal or frameless version) or using the outer rim (Frame version). The minimum sizes of the installation compartment are displayed in the product's instruction leaflet.



Minimal version



Frame version

Electronic features



Ballast Multiwatt

The luminaires are equipped with ballasts for fluorescent lamps which allow selection of the installed power. This means greater flexibility in terms of use and consequent energy savings.



Emergency lighting

Luminaires incorporating an emergency device, in compliance with the regulations governing their use, are now widespread in homes, offices and public areas.



Switch Dim

This system allows DALI luminaires to be dimmable even using a standard electric button.



COIR

Le Grand Comptoir

↑ Εξέλιξη Gates A 1-39
↓ Εξέλιξη Gates B 1-2

Laser Blade

**Laser Blade
High Contrast**
UGR<19

frame version
minimal version
page 50



Flood
α 34°



Wide Flood
α 48°

**Laser Blade L
High Contrast**
UGR<19

frame version
minimal version
page 53



Flood
α 30°



Wide Flood
α 54°

**Laser Blade
Wall Washer**

frame version
minimal version
page 56



Wall washer

**Laser Blade
General Lighting**

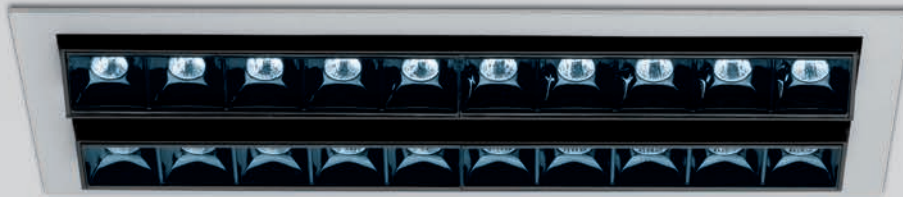
page 59



General lighting

Laser Blade
Adjustable
UGR<19

single
double
page 61



Spot
 $\alpha 12^\circ$



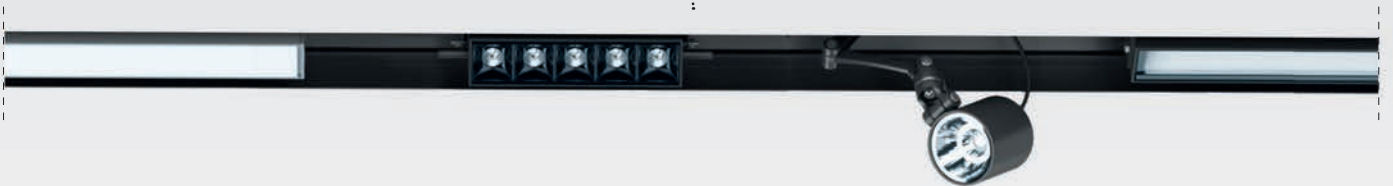
Adjustable
Flood
 $\alpha 34^\circ$



Adjustable
Wide Flood
 $\alpha 48^\circ$

Laser Blade
System53

page 65



Laser Blade InOut

page 586



Laser Blade High Contrast



Minimal version

Features



- Recessed installation in false ceilings with 12.5 mm for Minimal versions (without perimeter rim) or from 1 to 25 mm for Frame versions (with rim) using torsion springs.
- Main body with radiant surface made of die-cast aluminium.
- High-definition optics made of metallised thermoplastic material, integrated in the innovative black anti-glare screen that defines emission with luminance control UGR<19.
- The special configuration of the optical system delivers a precise circular distribution without punctiform effect.
- High visual comfort.
- Installation without tools.
- IP20
- IP23 for visible body of fitting (after installation).



Compact size



Visual comfort UGR<19

Range

Frame



Minimal





04
BLACK



47
WHITE/BLACK



74
GREY/BLACK

Optics and lamps



F - Flood
α 34°



WF - Wide Flood
α 48°

LED

2,1 - 4,2 - 10W
21 - 31W

LED

Energy saving

- LED Single Chip
- Colour stability
Mac Adam <3
- Life
50000 h L80
- Color temperature:
Neutral white **4000K**
Warm white **3000K**
Warm white **2700K**

lumen lm	LED	QR CBC 51 		HIT-CE 	
900	10W	50W	80%	-	-
1800	21W	2x50W	79%	-	-
2700	31W	3x50W	79%	35W	11%

(3000K) LED energy saving compared with conventional lamps

LED new Frame installation

light source	W*	lm	optic	code colour
Neutral white				
2,1 W	200	34°	MK45	47-74
Warm white				
2,1 W	180	34°	MK46	47-74
Warm white - CRI 97				
2,1 W	160	34°	MQ75	47-74
Warm white 2700K - CRI 97				
• 2,1 W	150	34°	MM75	47-74

Class of Insulation III

LED new Minimal installation

light source	W*	lm	optic	code colour
Neutral white				
2,1 W	200	34°	MT91	04
Warm white - CRI 97				
2,1 W	160	34°	MT92	04
Warm white 2700K - CRI 97				
• 2,1 W	150	34°	MM83	04

Class of Insulation III

LED new Frame installation

light source	W*	lm	optic	code colour
Neutral white				
4,2 W	400	34°	MK47	47-74
Warm white				
4,2 W	360	34°	MK48	47-74
Warm white - CRI 97				
4,2 W	320	34°	MQ76	47-74
Warm white 2700K - CRI 97				
• 4,2 W	300	34°	MM76	47-74

Class of Insulation III

LED new Minimal installation

light source	W*	lm	optic	code colour
Neutral white				
4,2 W	400	34°	MT93	04
Warm white - CRI 97				
4,2 W	320	34°	MT94	04
Warm white 2700K - CRI 97				
• 4,2 W	300	34°	MM84	04

Class of Insulation III

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



04
BLACK

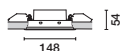


47
WHITE/BLACK



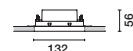
74
GREY/BLACK

light source	W*	lm	optic	code	colour
LED new Frame installation					
Complete with power supply					
Neutral white					
10 W	1000	48°	MK49	47-74	
Warm white					
10 W	900	34°	MK50	47-74	
10 W	900	48°	MK51	47-74	
Neutral white DALI					
10 W	1000	48°	MQ77	47-74	
Warm white DALI					
10 W	900	34°	MQ78	47-74	
10 W	900	48°	MQ79	47-74	
Warm white DALI - CRI 97					
10 W	770	34°	MQ80	47-74	
10 W	770	48°	MQ81	47-74	
Warm white DALI 2700K - CRI 97					
• 10 W	750	34°	MM77	47-74	
• 10 W	750	48°	MM78	47-74	



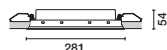
141x37

light source	W*	lm	optic	code	colour
LED new Minimal installation					
Complete with power supply					
Neutral white					
10 W	1000	48°	MK36	04	
Warm white					
10 W	900	34°	MK37	04	
10 W	900	48°	MK38	04	
Neutral white DALI					
10 W	1000	48°	MQ86	04	
Warm white DALI					
10 W	900	34°	MQ87	04	
10 W	900	48°	MQ88	04	
Warm white DALI - CRI 97					
10 W	770	34°	MQ89	04	
10 W	770	48°	MQ90	04	
Warm white DALI 2700K - CRI 97					
• 10 W	750	34°	MM85	04	
• 10 W	750	48°	MM86	04	



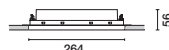
139x35

light source	W*	lm	optic	code	colour
LED new Frame installation					
Complete with power supply					
Neutral white DALI					
21 W	2000	48°	MK52	47-74	
Warm white DALI					
21 W	1800	34°	MK53	47-74	
21 W	1800	48°	MK54	47-74	
Warm white DALI - CRI 97					
21 W	1540	34°	MQ82	47-74	
21 W	1540	48°	MQ83	47-74	
Warm white DALI 2700K - CRI 97					
• 21 W	1500	34°	MM79	47-74	
• 21 W	1500	48°	MM80	47-74	



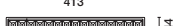
274x37

light source	W*	lm	optic	code	colour
LED new Minimal installation					
Complete with power supply					
Neutral white DALI					
21 W	2000	48°	MK39	04	
Warm white DALI					
21 W	1800	34°	MK40	04	
21 W	1800	48°	MK41	04	
Warm white DALI - CRI 97					
21 W	1540	34°	MQ91	04	
21 W	1540	48°	MQ92	04	
Warm white DALI 2700K - CRI 97					
• 21 W	1500	34°	MM87	04	
• 21 W	1500	48°	MM88	04	



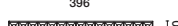
271x35

light source	W*	lm	optic	code	colour
LED new Frame installation					
Complete with power supply					
Neutral white DALI					
31 W	3000	48°	MK55	47-74	
Warm white DALI					
31 W	2700	34°	MK56	47-74	
31 W	2700	48°	MK57	47-74	
Warm white DALI - CRI 97					
31 W	2310	34°	MQ84	47-74	
31 W	2310	48°	MQ85	47-74	
Warm white DALI 2700K - CRI 97					
• 31 W	2250	34°	MM81	47-74	
• 31 W	2250	48°	MM82	47-74	



406x37

light source	W*	lm	optic	code	colour
LED new Applicazione minimal					
Complete with power supply					
Neutral white DALI					
31 W	3000	48°	MK42	04	
Warm white DALI					
31 W	2700	34°	MK43	04	
31 W	2700	48°	MK44	04	
Warm white DALI - CRI 97					
31 W	2310	34°	MQ93	04	
31 W	2310	48°	MQ94	04	
Warm white DALI 2700K - CRI 97					
• 31 W	2250	34°	MM89	04	
• 31 W	2250	48°	MM90	04	



404x35

components

	code	colour
Electronic power supply 17 W Max 7 LED connected	MXF9	00
Electronic power supply DALI 50 W Max 15 LED connected	BZM4	00

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

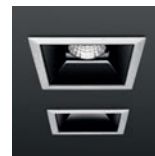


Frame version

Features



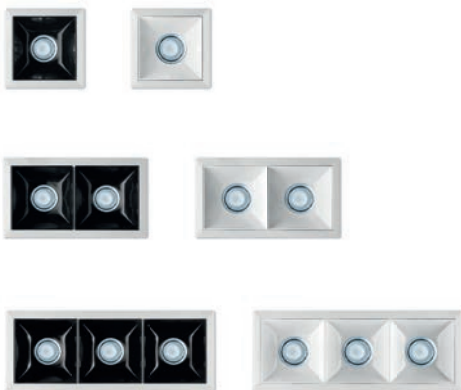
- Recessed installation in false ceilings with 12,5 to 25 mm for Minimal versions (without perimeter rim) or from 1 to 25 mm for Frame versions (with rim) using torsion springs.
- Main body with radiant surface made of die-cast aluminium.
- High-definition optics made of metallised thermoplastic material.
- High visual comfort.
- Installation without tools.
- IP20
- IP44 for visible body of fitting after installation).



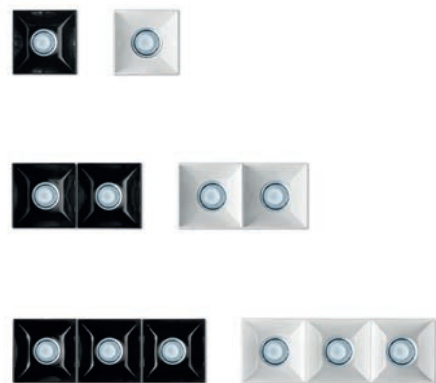
Visual comfort
UGR<19

Range

Frame



Minimal



Laser Blade L High Contrast

Optics and lamps



F - Flood
α 30°



WF - Wide Flood
α 54°





LED

9 - 18 - 26W

LED

Energy saving

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**
Warm white **2700K**

lumen lm	LED	QR CBC 51 		HIT-CE 	
900	9W	50W	82%	-	-
1800	18W	2x50W	82%	-	-
2700	26W	3x50W	83%	35W	26%

(3000K) LED energy saving compared with conventional lamps

White raster

Laser Blade L is available both in frame and minimal application with white raster. Also these versions are UGR<19 1500 cd/m² 65°.





01
WHITE



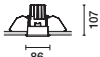
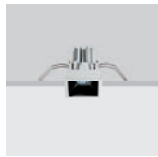
04
BLACK



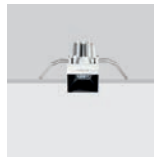
47
WHITE/BLACK



74
GREY/BLACK



light source	W*	lm	optic	code colour
LED	Frame installation			
	Complete with power supply			
	Neutral white			
9W	1000	54°	N153 01-47-74	
	Warm white			
9W	900	54°	N154 01-47-74	
	Warm white - CRI 90			
9W	750	30°	N155 01-47-74	
9W	750	54°	N156 01-47-74	
	Warm white 2700K - CRI 90			
9W	700	30°	N157 01-47-74	
9W	700	54°	N158 01-47-74	
	Neutral white DALI			
9W	1000	54°	N159 01-47-74	
	Warm white DALI			
9W	900	50°	N160 01-47-74	
	Warm white DALI - CRI 90			
9W	750	30°	N161 01-47-74	
9W	750	54°	N162 01-47-74	
	Warm white DALI 2700K - CRI 90			
9W	700	30°	N163 01-47-74	
9W	700	54°	N164 01-47-74	



light source	W*	lm	optic	code colour
LED	Minimal installation			
	Complete with power supply			
	Neutral white			
9W	1000	54°	N137 01-04	
	Warm white - CRI 90			
9W	750	30°	N138 01-04	
9W	750	54°	N139 01-04	
	Warm white 2700K - CRI 90			
9W	700	30°	N140 01-04	
9W	700	54°	N141 01-04	
	Neutral white DALI			
9W	1000	54°	N142 01-04	
	Warm white DALI - CRI 90			
9W	750	30°	N143 01-04	
9W	750	54°	N144 01-04	
	Warm white DALI 2700K - CRI 90			
9W	700	30°	N145 01-04	
9W	700	54°	N146 01-04	



light source	W*	lm	optic	code colour
LED	Frame installation			
	Complete with power supply			
	Neutral white DALI			
18W	2000	54°	N165 01-47-74	
	Warm white DALI			
18W	1800	54°	N166 01-47-74	
	Warm white DALI - CRI 90			
18W	1500	50°	N167 01-47-74	
	Warm white DALI 2700K - CRI 90			
18W	1400	54°	N168 01-47-74	



light source	W*	lm	optic	code colour
LED	Minimal installation			
	Complete with power supply			
	Neutral white DALI			
18W	2000	54°	N147 01-04	
	Warm white DALI - CRI 90			
18W	1500	54°	N148 01-04	
	Warm white DALI 2700K - CRI 90			
18W	1400	54°	N149 01-04	



light source	W*	lm	optic	code colour
LED	Frame installation			
	Complete with power supply			
	Neutral white DALI			
26W	3000	54°	N169 01-47-74	
	Warm white DALI			
26W	2700	54°	N170 01-47-74	
	Warm white DALI - CRI 90			
26W	2250	54°	N171 01-47-74	
	Warm white DALI 2700K - CRI 90			
26W	2100	54°	N172 01-47-74	



light source	W*	lm	optic	code colour
LED	Minimal installation			
	Complete with power supply			
	Neutral white DALI			
26W	3000	54°	N150 01-04	
	Warm white DALI - CRI 90			
26W	2250	54°	N151 01-04	
	Warm white DALI 2700K - CRI 90			
26W	2100	54°	N152 01-04	

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

Laser Blade wall washer



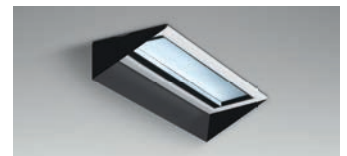
Features



- Recessed installation in false ceilings with 12.5 mm for Minimal versions (without perimeter rim) or from 1 to 25 mm for Frame versions (with rim) using torsion springs.
- Main body with radiant surface made of die-cast aluminium.
- Patented optics with textured ribbed diffuser screen, designed to achieve an effective wall washer distribution.
- Installation without tools.
- IP20
- IP43 for visible body of fitting (after installation).



Compact size



Asymmetrical screen (only for frame versions)

Range

Frame



Minimal



Optics and lamps



Laser Blade Wall Washer



Traditional Wall Washer





LED

10 - 21 - 31W

LED

Energy saving

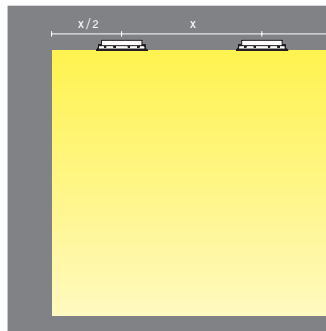
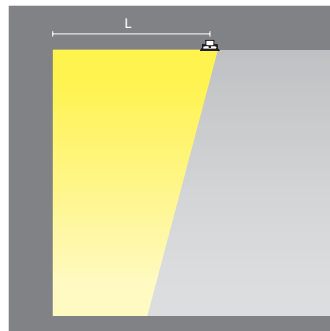
- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

lumen lm	LED	QR CBC 51 		HIT-CE 	
900	10W	50W	80%	-	-
1800	21W	2x50W	79%	-	-
2700	31W	3x50W	79%	35W	11%

(3000K) LED energy saving compared with conventional lamps

Correct installation

The table shows the correct installation distances for uniform lighting on the wall.



code	X max (m)	L (m)
MQ67 - MQ68 MQ69 - MQ70	0,8	0,8
MQ71 - MQ72	1	1
MQ73 - MQ74		



04
BLACK

47
WHITE/BLACK

74
GREY/BLACK

light source	W*	lm	code colour
LED	Frame installation		
	Complete with power supply		
	Neutral white		
	10 W	1000	MQ67 47-74
	Warm white		
	10 W	900	MQ68 47-74
	Neutral white DALI		
	10 W	1000	MQ69 47-74
	Warm white DALI		
	10 W	900	MQ70 47-74
DALI versions occupy 1 address			

light source	W*	lm	code colour
LED new	Minimal installation		
	Complete with power supply		
	Neutral white		
	10 W	1000	N327 04
	Warm white		
	10 W	900	N328 04
	Neutral white DALI		
	10 W	1000	N329 04
	Warm white DALI		
	10 W	900	N330 04
DALI versions occupy 1 address			

light source	W*	lm	code colour
LED	Frame installation		
	Complete with DALI power supply		
	Neutral white		
	21 W	2000	MQ71 47-74
	Warm white		
	21 W	1800	MQ72 47-74
Occupy 1 address			

light source	W*	lm	code colour
LED new	Minimal installation		
	Complete with DALI power supply		
	Neutral white		
	21 W	2000	N331 04
	Warm white		
	21 W	1800	N332 04
Occupy 1 address			

light source	W*	lm	code colour
LED	Frame installation		
	Complete with DALI power supply		
	Neutral white		
	31 W	3000	MQ73 47-74
	Warm white		
	31 W	2700	MQ74 47-74
Occupy 1 address			

light source	W*	lm	code colour
LED new	Minimal installation		
	Complete with DALI power supply		
	Neutral white		
	31 W	3000	N333 04
	Warm white		
	31 W	2700	N334 04
Occupy 1 address			

accessories

	code	colour
	MXP7	04
	for MQ67-MQ68	
	MQ69-MQ70	
	MXP8	04
for MQ71-MQ72		
MXP9	04	
for MQ73-MQ74		

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



Features



- Recessed installation in false ceilings with 1 to 25 mm; fixing system with steel wire springs.
- Main body with radiant surface made of die-cast aluminium.
- Versions with perimeter rim (frame).
- Optics with specialist prismatic diffuser screen for diffused lighting distribution.
- Installation without tools.
- IP20
- IP43 for visible body of fitting after installation).



Compact size

Range

Frame





47
WHITE/BLACK



74
GREY/BLACK

Light distribution



G - General

LED 10 - 21 - 31W

General Lighting ECA Versions
(UK 2013)
Efficiency 60 lm/W LED Neutral

With the progress of technology the current lm/W value is subject to constant increases. For updated data please refer to our on-line catalogue

LED

Energy saving

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

lumen lm	LED	QR CBC 51	ENERGY SAVING	HIT-CE	ENERGY SAVING
900	10W	50W	80%	-	-
1800	21W	2x50W	79%	-	-
2700	31W	3x50W	79%	35W	11%

(3000K) LED energy saving compared with conventional lamps

LED Complete with power supply

W*	lm	code colour
10W	1000	Neutral white MQ55 47-74
10W	900	Warm white MQ57 47-74
10W	1000	Neutral white DALI MQ58 47-74
10W	900	Warm white DALI MQ60 47-74

DALI versions occupy 1 address

LED **High efficiency** Complete with power supply

W*	lm	code colour
10W	1000	Neutral white MQ56 47-74
10W	1000	Neutral white DALI MQ59 47-74

DALI versions occupy 1 address

LED Complete with DALI power supply

W*	lm	code colour
21W	2000	Neutral white MQ61 47-74
21W	1800	Warm white MQ63 47-74

Occupy 1 address

LED **High efficiency** Complete with DALI power supply

W*	lm	code colour
21W	2000	Neutral white MQ62 47-74

Occupy 1 address

LED Complete with DALI power supply

W*	lm	code colour
31W	3000	Neutral white MQ64 47-74
31W	2700	Warm white MQ66 47-74

Occupy 1 address

LED **High efficiency** Complete with DALI power supply

W*	lm	code colour
31W	3000	Neutral white MQ65 47-74

Occupy 1 address

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

Laser Blade Adjustable



Features



- Recessed installation in false ceilings with 1 to 25 mm; fixing system with mechanical locking.
- Main body with radiant surface made of die-cast aluminum, with tilting adjustability +/- 30°.
- Versions with perimeter rim (frame); steel technical body.
- Metallized thermoplastic high definition optics, integrated in the

innovative black anti-glare screen which creates light emission with controlled luminance UGR<19.

- The special configuration of the optical system delivers a precise circular distribution without punctiform effect.
- High visual comfort.



Compact size

Range

Single



Double



Optics and lamps



S - Spot
α 12°



F - Flood
α 34°



WF - Wide Flood
α 48°

LED

21 - 31W

2x21 - 2x31W

LED

Energy saving

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

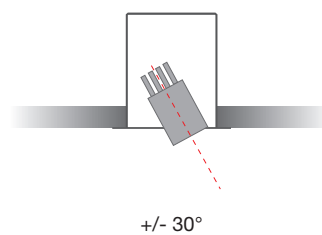
lumen lm	LED	QR CBC 51		HIT-CE	
1800	21W	2x50W	79%	-	-
2700	31W	3x50W	79%	35W	11%

(3000K) LED energy saving compared with conventional lamps

Rotation

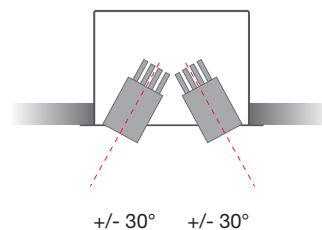
Single version

Tilting adjustability +/-30°.



Double version

Independent tilting adjustability of bodies +/-30°.

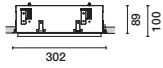




47
WHITE/BLACK



74
BLACK/BLACK

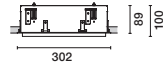


295x80

light source W* lm optic code colour

light source	W*	lm	optic	code colour
LED new Complete with DALI power supply				
Neutral white				
21W	2000	48°	MQ22	47-74
Warm white				
• 21W	1800	12°	MU75	47-74
21W	1800	34°	MQ23	47-74
21W	1800	48°	MQ24	47-74
Warm white - CRI 97				
• 21W	1540	12°	MU76	47-74
21W	1540	34°	MQ25	47-74
21W	1540	48°	MQ26	47-74

Occupy 1 address

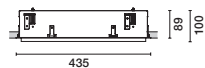


295x135

light source W* lm optic code colour

light source	W*	lm	optic	code colour
LED new Complete with DALI power supply				
Neutral white				
2x21W	2x2000	48°	MQ32	47-74
Warm white				
• 2x21W	2x1800	12°	MU79	47-74
2x21W	2x1800	34°	MQ33	47-74
2x21W	2x1800	48°	MQ34	47-74
Warm white - CRI 97				
• 2x21W	2x1540	12°	MU80	47-74
2x21W	2x1540	34°	MQ35	47-74
2x21W	2x1540	48°	MQ36	47-74

Occupy 1 address

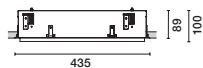


428x80

LED new Complete with DALI power supply

light source	W*	lm	optic	code colour
Neutral white				
31W	3000	48°	MQ27	47-74
Warm white				
• 31W	2700	12°	MU77	47-74
31W	2700	34°	MQ28	47-74
31W	2700	48°	MQ29	47-74
Warm white - CRI 97				
• 31W	2310	12°	MU78	47-74
31W	2310	34°	MQ30	47-74
31W	2310	48°	MQ31	47-74

Occupy 1 address



428x135

LED new Complete with DALI power supply

light source	W*	lm	optic	code colour
Neutral white				
2x31W	2x3000	48°	MQ37	47-74
Warm white				
• 2x31W	2x2700	12°	MU81	47-74
2x31W	2x2700	34°	MQ38	47-74
2x31W	2x2700	48°	MQ39	47-74
Warm white - CRI 97				
• 2x31W	2x2310	12°	MU82	47-74
2x31W	2x2310	34°	MQ40	47-74
2x31W	2x2310	48°	MQ41	47-74

Occupy 1 address

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

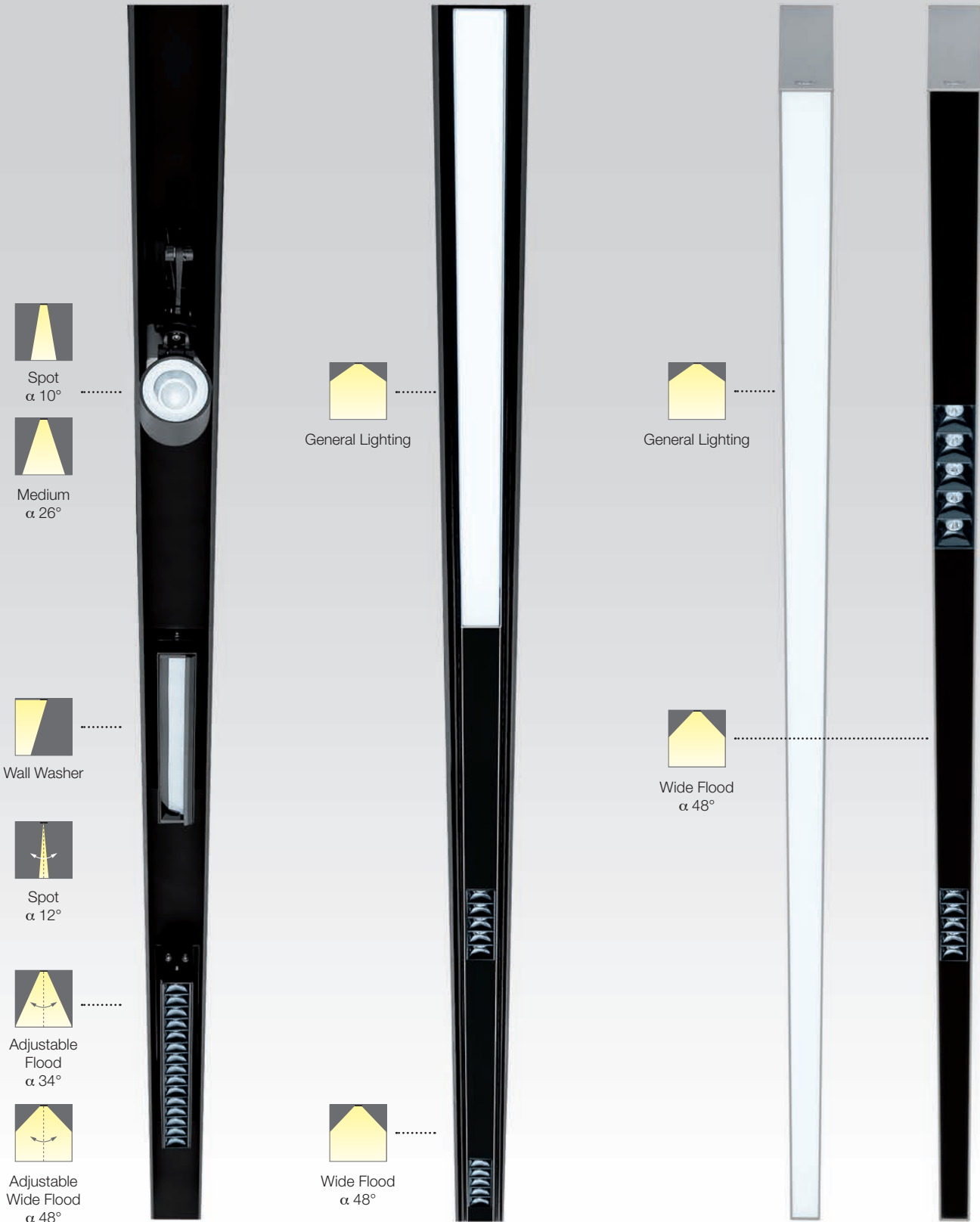


Laser Blade System53
design OMA

- System53**
- Adjustable spotlight
 - Wall Washer module
 - Adjustable module

- System53**
- Low contrast module
 - High contrast UGR<19 module

- iN30**
- Low contrast
 - High contrast UGR<19
- recessed ceiling-mounted pendant





Features



- Modular system for creating “frameless” recessed channels with a constant opening of 53 mm.
- Extruded aluminum structural profile with black finish treatment.
- High contrast light modules for accent lighting, with tilting adjustability +/- 45°.
- Fixed modules for low contrast emission, for general and wall washer lighting.
- All modules come complete with integrated power supply.



Cover

LED

- LED Single Chip
- Colour stability Mac Adam <3
- Life 50000 h L80
- Color temperature: Neutral white 4000K Warm white 3000K

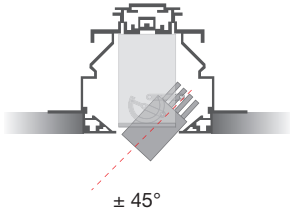
Energy saving

lumen lm	LED	QR CBC 51 		HIT-CE 	
770	10W	50W	80%	-	-
1540	21W	2x50W	79%	-	-
2300	31W	3x50W	79%	35W	11%

(3000K) LED energy saving compared with conventional lamps

Adjustable module - High contrast

The rototranslating movement system allows a rotation of up to 45°.



S - Spot
α 12°



F - Flood
α 34°



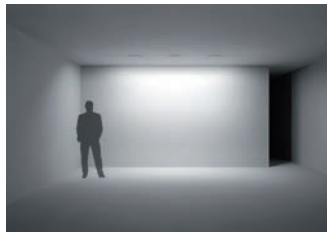
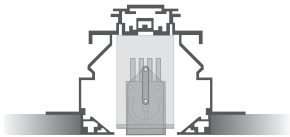
WF - Wide Flood
α 48°

LED

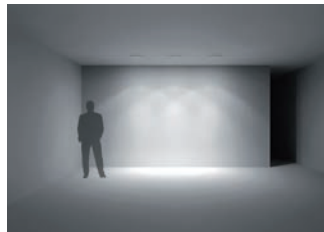
10 - 21 - 31W

Fixed module - Wall Washer

Can be used in all cases requiring a vertical wall washer effect.



Laser Blade System53 Wall Washer



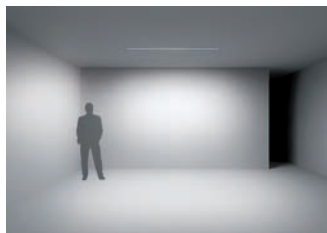
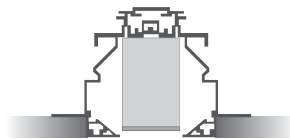
Traditional Wall Washer

LED

21 - 31W

Fixed module - Low contrast / High contrast

By applying iN30 modules in the channel, lines of light with high and low contrast can be obtained.



Low contrast



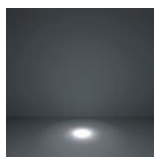
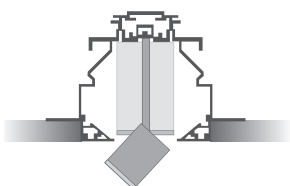
High contrast

LED

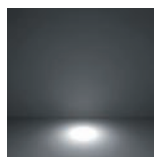
22 - 42 - 45W

Adjustable spotlight

Module with adjustable spotlight for focused lighting.



S - Spot
α 10°

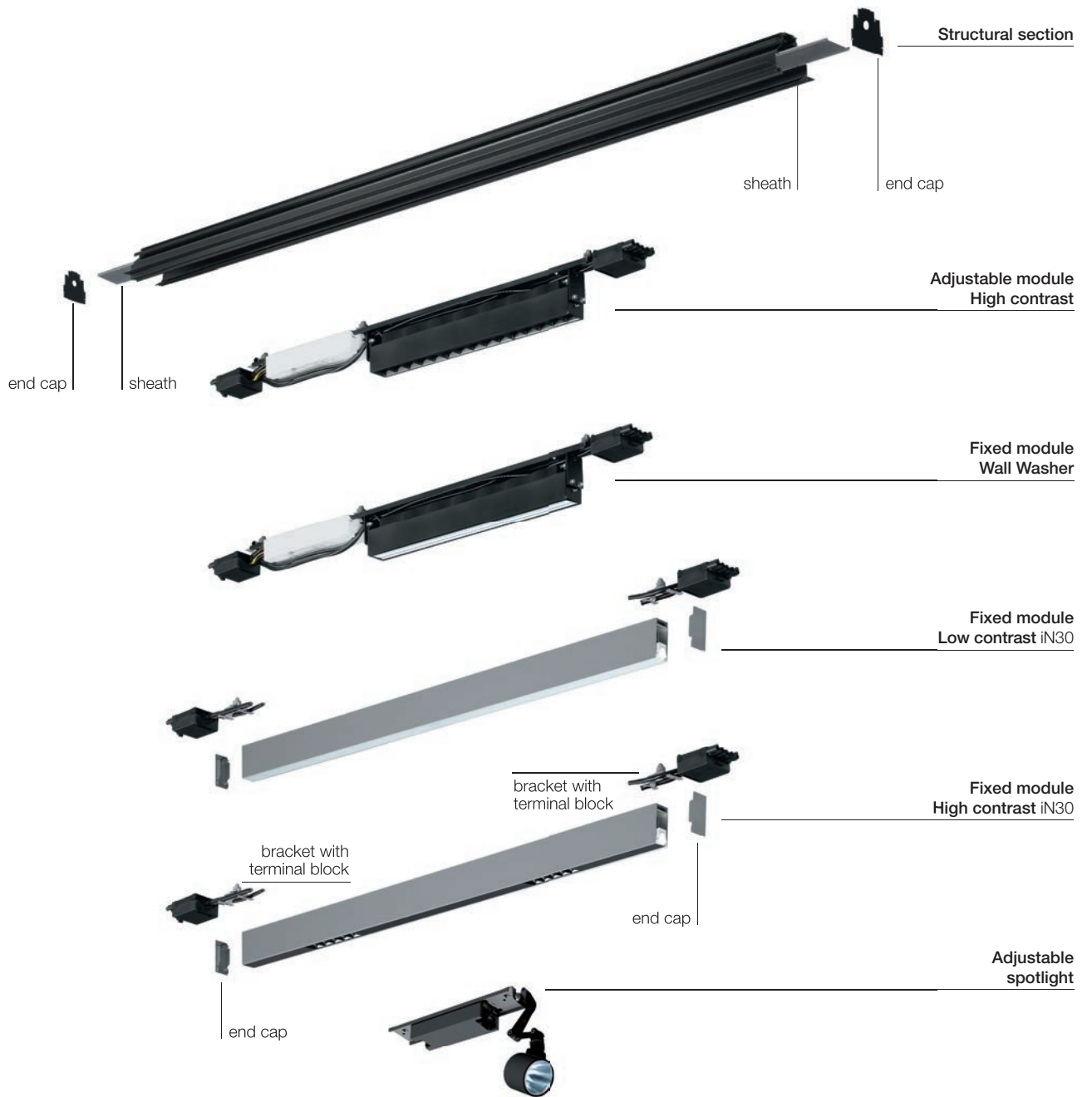


M - Medium
α 26°

LED

9W

System composition



linear connection



ceiling/wall 90° corner joint



90° corner joint



04
BLACK

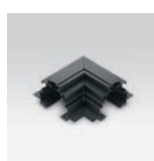
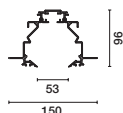


12
ALUMINIUM



length	code colour
Aluminium structural profile	
500	MXJ4 04
1000	MXJ5 04
2000	MXJ6 04
3000	MXJ7 04

Complete with elements for linear connection to adjacent sections



code colour
Angular joint
MXJ9 04



Two end caps	MXJ8 04
---------------------	----------------



Ceiling/wall angular joint	MXN5 04
-----------------------------------	----------------



accessories

	code	colour
Derma for installing structural sections 2 units	MXK2	00
Initial plate with terminal blocks	MXK1	00
Through connecting connectors	MXN6	00
Inner cover strip L=1000 2 units	MXK0	04

For information on system composition please refer to the instructions sheet.



light source	W*	lm	optic	code colour
LED new	Adjustable module - High contrast			
Complete with DALI power supply				
Neutral white				
10 W	1000	48°	MQ42	04
Warm white - CRI 97				
• 10 W	770	12°	MU83	04
10 W	770	34°	MQ43	04
10 W	770	48°	MQ44	04
Occupy 1 address				

light source	W*	lm	optic	code colour
LED new	Adjustable module - High contrast			
Complete with DALI power supply				
Neutral white				
21 W	2000	48°	MQ45	04
Warm white - CRI 97				
• 21 W	1540	12°	MU84	04
21 W	1540	34°	MQ46	04
21 W	1540	48°	MQ47	04
Occupy 1 address				

light source	W*	lm	optic	code colour
LED new	Adjustable module - High contrast			
Complete with DALI power supply				
Neutral white				
31 W	3000	48°	MQ48	04
Warm white - CRI 97				
• 31 W	2300	12°	MU85	04
31 W	2300	34°	MQ49	04
31 W	2300	48°	MQ50	04
Occupy 1 address				

light source	W*	lm	code colour
LED	Wall washer fixed module		
Complete with DALI power supply			
Neutral white			
21 W	2000		MR97
Warm white			
21 W	1800		MT88
Occupy 1 address			

light source	W*	lm	code colour
LED	Wall washer fixed module		
Complete with DALI power supply			
Neutral white			
31 W	3000		MT89
Warm white			
31 W	2700		MT90
Occupy 1 address			

light source	W*	lm	length	code colour
LED	Modulo iN30 - High contrast			
Complete with DALI power supply				
Neutral white				
22 W	2000	1197	N933	12
42 W	4000	1462	N934	12
Warm white				
22 W	1800	1197	N935	12
42 W	3600	1462	N936	12
Occupy 1 address				

light source	W*	lm	length	code colour
LED	Modulo iN30 - Low contrast			
Complete with DALI power supply				
Neutral white				
22 W	2650	1197	N937	12
45 W	5290	2394	N938	12
Warm white				
22 W	2460	1197	N939	12
45 W	4920	2394	N940	12
Occupy 1 address				

light source	W*	lm	length	code colour
LED	Module with adjustable spotlight			
Complete with DALI power supply				
Neutral white				
9 W	830	26°	MQ51	04
Warm white - CRI 90				
9 W	700	10°	MQ52	04
9 W	700	26°	MQ53	04
Occupy 1 address				

accessories

	code	colour
Two end caps	MX80	15
	for MJ48-MJ49-MJ50-MJ51 MJ60-MJ61-MJ64-MJ65	
Pair of plates for installing iN30 modules with connectors	MXJ3	00

	code	colour
Connection elements and covers for continuous line installation	MX81	00
	for MJ60-MJ61-MJ64-MJ65	
For information on system composition please refer to the instructions sheet.		



Reflex

Reflex frame version
Chip on Board (C.o.B.) minimal version
page 74

Reflex round version
LED Light Engine (L.L.E.)
page 86



Fixed optic



Adjustable optic



Wall Washer optic



Fixed optic



Wall Washer optic



ø 242



ø 212



ø 212



ø 212



ø 212



ø 212



ø 153



ø 153



ø 125



ø 125



ø 153



ø 125



ø 125



ø 125



ø 96



ø 96



ø 96

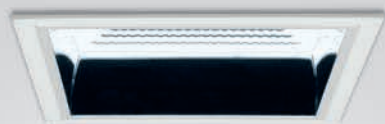


ø 75



ø 75

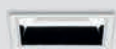
Reflex square version
LED Light Engine (L.L.E.)
page 86



Fixed optic



∅ 212



∅ 125

Reflex frame version
minimal version
page 92



Fixed optic



∅ 242



∅ 212



∅ 153



∅ 125



∅ 96



Adjustable optic



∅ 153



∅ 125



∅ 96



∅ 75



Wall Washer optic



∅ 242



∅ 212



∅ 153



∅ 125



Features

- Recessed installation in false ceilings with 12.5 mm for Minimal versions (without perimeter rim) or from 1 to 25 mm for Frame versions (with rim) using torsion springs.
- Die-cast aluminium body and heat sink.
- Metallized thermoplastic reflector with anti-scratch protection treatment with high luminous efficiency and visual comfort.
- Versions suitable for use in environments with video terminals UGR<19.
- Available with electronic and DALI control gear.
- IP20
- IP43 for visible body of fitting after installation (minimal versions).
- IP54 for visible body of fitting after installation (frame versions).



Retention system

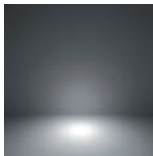


Springs with lock/unlock system

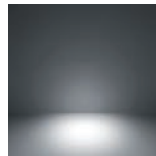
Optics and lamps



M - Medium
 α from 16° to 25°



F - Flood
 α from 26° to 39°



WF - Wide Flood
 α from 40° to 60°

LED C.o.B.	8,5 - 12 - 15 - 17W
	21 - 27 - 29 - 31W
	33 - 38 - 41 - 58W
	62 - 64W

LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**
Warm white **2700K**

Energy saving

lumen lm	LED	QR CBC 51	ENERGY SAVING	TC-TEL	ENERGY SAVING	HIT-TC-CE	ENERGY SAVING
1000	8,5W	50W	83%	18W	53%	-	-
3000	29W	3x50W	81%	12W	31%	35W	17%
5000	41W	5x50W	84%	2x32W	36%	50W	18%

(3000K) LED energy saving compared with conventional lamps



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ALUMINIUM



39
WHITE/ALUMINIUM

ø 75

light source	W*	lm	optic	code colour
LED	Minimal installation			
Complete with power supply				
Neutral white				
8,5W	1000	F	MV40 12	
8,5W	1000	WF	MV41 12	
Neutral white DALI				
8,5W	1000	F	MV42 12	
8,5W	1000	WF	MV43 12	
Warm white DALI - CRI 90				
12W	1000	F	MV44 12	
12W	1000	WF	MV45 12	
Warm white 2700K DALI - CRI 90				
12W	1000	F	MV46 12	
12W	1000	WF	MV47 12	
IP43 DALI versions occupy 1 address				



light source	W*	lm	optic	code colour
LED	Frame installation			
Complete with power supply				
Neutral white				
8,5W	1000	F	MV78 39	
8,5W	1000	WF	MV79 39	
Neutral white DALI				
8,5W	1000	F	MV80 39	
8,5W	1000	WF	MV81 39	
Warm white DALI - CRI 90				
12W	1000	F	MV82 39	
12W	1000	WF	MV83 39	
Warm white 2700K DALI - CRI 90				
12W	1000	F	MV84 39	
12W	1000	WF	MV85 39	
IP54 DALI versions occupy 1 address				



ø 96

light source	W*	lm	optic	code colour
LED	Minimal installation			
Complete with power supply				
Neutral white				
12W	1600	M	MV48 12	
12W	1600	WF	MV49 12	
Warm white				
12W	1500	M	MV50 12	
12W	1500	WF	MV51 12	
Neutral white DALI				
12W	1600	M	MV52 12	
12W	1600	WF	MV53 12	
Warm white DALI				
12W	1500	M	MV54 12	
12W	1500	WF	MV55 12	
Warm white DALI - CRI 90				
15W	1500	M	MV56 12	
15W	1500	WF	MV57 12	
IP43 DALI versions occupy 1 address				



light source	W*	lm	optic	code colour
LED	Frame installation			
Complete with power supply				
Neutral white				
12W	1600	M	MV86 39	
12W	1600	WF	MV87 39	
Warm white				
12W	1500	M	MV88 39	
12W	1500	WF	MV89 39	
Neutral white DALI				
12W	1600	M	MV90 39	
12W	1600	WF	MV91 39	
Warm white DALI				
12W	1500	M	MV92 39	
12W	1500	WF	MV93 39	
Warm white DALI - CRI 90				
15W	1500	M	MV94 39	
15W	1500	WF	MV95 39	
IP54 DALI versions occupy 1 address				



* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



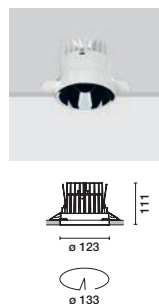
12
ALUMINIUM



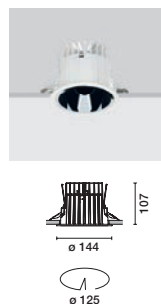
39
WHITE/ALUMINIUM

ø 125

light source	W*	lm	optic	code colour
LED	Minimal installation			
Complete with power supply				
Neutral white				
15 W	2000		F	MV58 12
15 W	2000		WF	MV59 12
27 W	3000		F	N214 12
27 W	3000		WF	N215 12
Warm white				
17 W	2000		F	MV60 12
17 W	2000		WF	MV61 12
29 W	3000		F	N216 12
29 W	3000		WF	N217 12
Neutral white DALI				
15 W	2000		F	MV62 12
15 W	2000		WF	MV63 12
27 W	3000		F	N218 12
27 W	3000		WF	N219 12
Warm white DALI				
17 W	2000		F	MV64 12
17 W	2000		WF	MV65 12
29 W	3000		F	N220 12
29 W	3000		WF	N221 12
Warm white DALI - CRI 90				
21 W	2000		F	MV66 12
21 W	2000		WF	MV67 12
31 W	2500		F	N222 12
31 W	2500		WF	N223 12
IP43 DALI versions occupy 1 address				

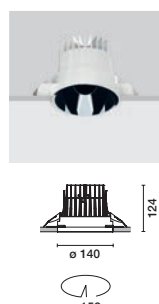


light source	W*	lm	optic	code colour
LED	Frame installation			
Complete with power supply				
Neutral white				
15 W	2000		F	MV96 39
15 W	2000		WF	MV97 39
27 W	3000		F	N229 39
27 W	3000		WF	N230 39
Warm white				
17 W	2000		F	MV98 39
17 W	2000		WF	MV99 39
29 W	3000		F	N231 39
29 W	3000		WF	N232 39
Neutral white DALI				
15 W	2000		F	N000 39
15 W	2000		WF	N001 39
27 W	3000		F	N233 39
27 W	3000		WF	N234 39
Warm white DALI				
17 W	2000		F	N002 39
17 W	2000		WF	N003 39
29 W	3000		F	N235 39
29 W	3000		WF	N236 39
Warm white DALI - CRI 90				
21 W	2000		F	N004 39
21 W	2000		WF	N005 39
31 W	2500		F	N237 39
31 W	2500		WF	N238 39
IP54 DALI versions occupy 1 address				

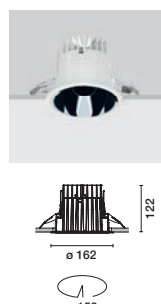


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light source	W*	lm	optic	code colour
LED	Minimal installation			
Complete with power supply				
Neutral white				
27 W	3000		M	MV68 12
27 W	3000		WF	MV69 12
Warm white				
29 W	3000		M	MV70 12
29 W	3000		WF	MV71 12
Neutral white DALI				
27 W	3000		M	MV72 12
27 W	3000		WF	MV73 12
Warm white DALI				
29 W	3000		M	MV74 12
29 W	3000		WF	MV75 12
Warm white DALI - CRI 90				
33 W	2700		M	MV76 12
33 W	2700		WF	MV77 12
IP43 DALI versions occupy 1 address				



light source	W*	lm	optic	code colour
LED	Frame installation			
Complete with power supply				
Neutral white				
27 W	3000		M	N006 39
27 W	3000		WF	N007 39
Warm white				
29 W	3000		M	N008 39
29 W	3000		WF	N009 39
Neutral white DALI				
27 W	3000		M	N010 39
27 W	3000		WF	N011 39
Warm white DALI				
29 W	3000		M	N012 39
29 W	3000		WF	N013 39
Warm white DALI - CRI 90				
33 W	2700		M	N014 39
33 W	2700		WF	N015 39
IP54 DALI versions occupy 1 address				



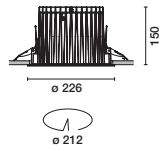


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ALUMINIUM

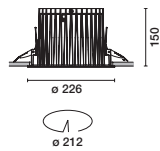


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WHITE/ALUMINIUM

ø 212

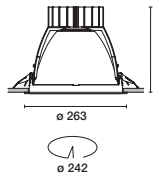
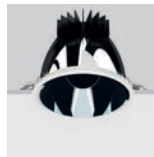


light source	W*	lm	optic	code colour
LED	Frame installation			
Complete with power supply				
Neutral white				
38W	5000		F	N224 39
38W	5000		WF	MM97 39
Warm white				
41W	5000		F	N225 39
41W	5000		WF	MM98 39
Neutral white DALI				
38W	5000		F	N226 39
38W	5000		WF	MM99 39
Warm white DALI				
41W	5000		F	N227 39
41W	5000		WF	MM00 39
Warm white DALI - CRI 90				
58W	5000		F	N228 39
58W	5000		WF	N016 39
IP54 DALI versions occupy 1 address				



light source	W*	lm	optic	code colour
LED	Frame installation			
Complete with power supply				
Warm white DALI - CRI 90				
58W	5000		M	M636 39
IP54 DALI versions occupy 1 address				

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light source	W*	lm	optic	code colour
LED	Frame installation			
Complete with power supply				
Neutral white				
62W	8000		F	N017 39
62W	8000		WF	N018 39
Warm white				
64W	8000		F	N019 39
64W	8000		WF	N020 39
Neutral white DALI				
62W	8000		F	N021 39
62W	8000		WF	N022 39
Warm white DALI				
64W	8000		F	N023 39
64W	8000		WF	N024 39
IP23 DALI versions occupy 1 address				

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

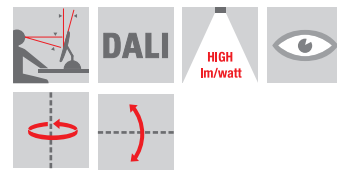
New Reflex adjustable
Chip on Board (C.o.B.)



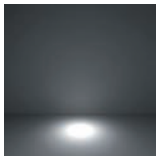
Features



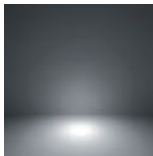
- Recessed installation in false ceilings with 12.5 mm for Minimal versions (without perimeter rim) or from 1 to 25 mm for Frame versions (with rim) using torsion springs.
- Die-cast aluminium body and heat sink.
- Mirror aluminium ultrapure reflectors.
- Adjustability on horizontal plane by +/- 30° and on vertical axis by 358°.
- Available with electronic and DALI control gear.
- IP20
- IP23 for visible body of fitting after installation.



Optics and lamps



M - Medium
α from 16° to 25°



F - Flood
α from 26° to 39°

LED C.o.B.	8,5 - 10 - 14 - 15W
	17 - 23 - 27 - 29W
	33 - 41 - 43 - 47W

LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**
Warm white **2700K**

Energy saving

lumen lm	LED	QR CBC 51 		TC-TEL 		HIT-TC-CE 	
1000	8,5W	50W	83%	18W	53%	-	-
3000	29W	3x50W	81%	42W	31%	35W	17%
5000	43W	5x50W	83%	2x32W	33%	50W	14%

(3000K) LED energy saving compared with conventional lamps



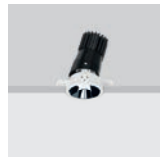
12
ALUMINIUM



39
WHITE/ALUMINIUM

ø 75

light source	W*	lm	optic	code colour
LED	Minimal installation			
Complete with power supply				
Neutral white				
8,5 W	1000		M	N025 12
8,5 W	1000		F	N026 12
Neutral white DALI				
8,5 W	1000		M	N027 12
8,5 W	1000		F	N028 12
Warm white DALI - CRI 90				
10 W	900		M	N029 12
10 W	900		F	N030 12
Warm white 2700K DALI - CRI 90				
10 W	900		M	N031 12
10 W	900		F	N032 12
DALI versions occupy 1 address				



light source	W*	lm	optic	code colour
LED	Frame installation			
Complete with power supply				
Neutral white				
8,5 W	1000		M	N063 39
8,5 W	1000		F	N064 39
Neutral white DALI				
8,5 W	1000		M	N065 39
8,5 W	1000		F	N066 39
Warm white DALI - CRI 90				
10 W	900		M	N067 39
10 W	900		F	N068 39
Warm white 2700K DALI - CRI 90				
10 W	900		M	N069 39
10 W	900		F	N070 39
DALI versions occupy 1 address				



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light source	W*	lm	optic	code colour
LED	Minimal installation			
Complete with power supply				
Neutral white				
14 W	1600		M	N033 12
14 W	1600		F	N034 12
Warm white				
14 W	1500		M	N035 12
14 W	1500		F	N036 12
Neutral white DALI				
14 W	1600		M	N037 12
14 W	1600		F	N038 12
Warm white DALI				
14 W	1500		M	N039 12
14 W	1500		F	N040 12
Warm white DALI - CRI 90				
14 W	1200		M	N041 12
14 W	1200		F	N042 12
DALI versions occupy 1 address				



light source	W*	lm	optic	code colour
LED	Frame installation			
Complete with power supply				
Neutral white - CRI 80				
14 W	1600		M	N071 39
14 W	1600		F	N072 39
Warm white - CRI 80				
14 W	1500		M	N073 39
14 W	1500		F	N074 39
Neutral white DALI - CRI 80				
14 W	1600		M	N075 39
14 W	1600		F	N076 39
Warm white DALI - CRI 80				
14 W	1500		M	N077 39
14 W	1500		F	N078 39
Warm white DALI - CRI 90				
14 W	1200		M	N079 39
14 W	1200		F	N080 39
DALI versions occupy 1 address				





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ALUMINIUM

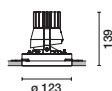
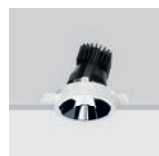


39
WHITE/ALUMINIUM

ø 125

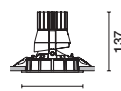
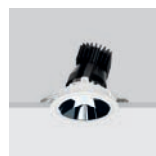
light source	W*	lm	optic	code colour
LED	Minimal installation			
Complete with power supply				
Neutral white				
15 W	2000		M	N043 12
15 W	2000		F	N044 12
Warm white				
17 W	2000		M	N045 12
17 W	2000		F	N046 12
Neutral white DALI				
15 W	2000		M	N047 12
15 W	2000		F	N048 12
Warm white DALI				
17 W	2000		M	N049 12
17 W	2000		F	N050 12
Warm white DALI - CRI 90				
23 W	2000		M	N051 12
23 W	2000		F	N052 12

DALI versions occupy 1 address



light source	W*	lm	optic	code colour
LED	Frame installation			
Complete with power supply				
Neutral white - CRI 80				
15 W	2000		M	N081 39
15 W	2000		F	N082 39
Warm white - CRI 80				
17 W	2000		M	N083 39
17 W	2000		F	N084 39
Neutral white DALI - CRI 80				
15 W	2000		M	N085 39
15 W	2000		F	N086 39
Warm white DALI - CRI 80				
17 W	2000		M	N087 39
17 W	2000		F	N088 39
Warm white DALI - CRI 90				
23 W	2000		M	N089 39
23 W	2000		F	N090 39

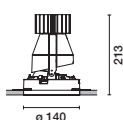
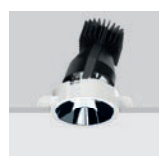
DALI versions occupy 1 address



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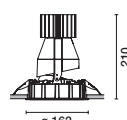
light source	W*	lm	optic	code colour
LED	Minimal installation			
Complete with power supply				
Neutral white				
27 W	3000		M	N053 12
27 W	3000		F	N054 12
Warm white				
29 W	3000		M	N055 12
29 W	3000		F	N056 12
Neutral white DALI				
27 W	3000		M	N057 12
27 W	3000		F	N058 12
Warm white DALI				
29 W	3000		M	N059 12
29 W	3000		F	N060 12
Warm white DALI - CRI 90				
33 W	2700		M	N061 12
33 W	2700		F	N062 12

DALI versions occupy 1 address



light source	W*	lm	optic	code colour
LED	Frame installation			
Complete with power supply				
Neutral white				
27 W	3000		M	N091 39
27 W	3000		F	N092 39
Warm white				
29 W	3000		M	N093 39
29 W	3000		F	N094 39
Neutral white DALI				
27 W	3000		M	N095 39
27 W	3000		F	N096 39
Warm white DALI				
29 W	3000		M	N097 39
29 W	3000		F	N098 39
Warm white DALI - CRI 90				
33 W	2700		M	N099 39
33 W	2700		F	N100 39

DALI versions occupy 1 address



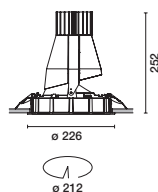
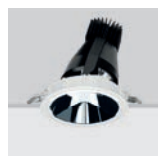


12
ALUMINIUM



39
WHITE/ALUMINIUM

ø 212



light source	W*	lm	optic	code colour
LED				
Frame installation				
Complete with power supply				
Neutral white				
41 W	5000		M	N101 39
41 W	5000		F	N102 39
Warm white				
43 W	5000		M	N103 39
43 W	5000		F	N104 39
Neutral white DALI				
41 W	5000		M	N105 39
41 W	5000		F	N106 39
Warm white DALI				
43 W	5000		M	N107 39
43 W	5000		F	N108 39
Warm white DALI - CRI 90				
47 W	5000		M	N109 39
47 W	5000		F	N110 39

DALI versions occupy 1 address

New Reflex wall washer
Chip on Board (C.o.B.)



Features



- Recessed installation in false ceilings with 12.5 mm for Minimal versions (without perimeter rim) or from 1 to 25 mm for Frame versions (with rim) using torsion springs.
- Die-cast aluminium body and heat sink.
- Metallized thermoplastic reflector with anti-scratch protection treatment.
- Available with electronic and DALI control gear.
- IP20
- IP43 for visible body of fitting after installation.

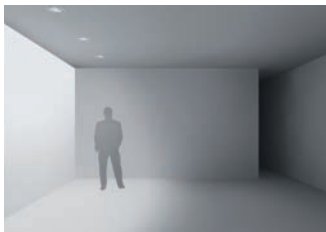


Retention system



Springs with lock/unlock system

Optics and lamps



LED C.o.B.	12 - 15 - 17 - 27W
	29 - 31 - 33 - 38W
	41 - 58W

Downlight Wall Washer iGuzzini:
uniform wall lighting

LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51 		TC-TEL 		HIT-TC-CE 	
2000	17W	2x50W	83%	26W	35%	-	-
3000	29W	3x50W	81%	42W	31%	35W	17%
5000	41W	5x50W	84%	2x32W	36%	50W	18%

(3000K) LED energy saving compared with conventional lamps



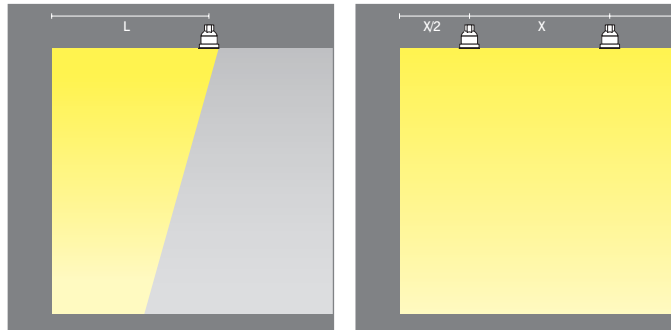
12
ALUMINIUM



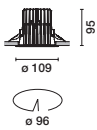
39
WHITE/ALUMINIUM

Correct installation

Please refer to the instructions sheet for the best layout of the fixtures in order to guarantee uniform wall lighting.

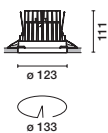
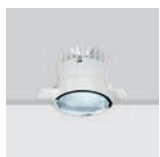


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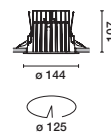


light source	W*	lm	code	colour
LED	Frame installation			
	Complete with power supply			
	Neutral white			
	12W	1600	N121	39
	Warm white			
	12W	1500	N122	39
	Neutral white DALI			
	12W	1600	N123	39
	Warm white DALI			
	12W	1500	N124	39
	Warm white DALI - CRI 90			
	15W	1500	N125	39
DALI versions occupy 1 address				

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light source	W*	lm	code	colour
LED	Minimal installation			
	Complete with power supply			
	Neutral white			
	15W	2000	N111	12
	27W	3000	N239	12
	Warm white			
	17W	2000	N112	12
	29W	3000	N240	12
	Neutral white DALI			
	15W	2000	N113	12
	27W	3000	N241	12
	Warm white DALI			
	17W	2000	N114	12
	29W	3000	N242	12
	Warm white DALI - CRI 90			
	21W	2000	N115	12
	31W	2500	N243	12
DALI versions occupy 1 address				



light source	W*	lm	code	colour
LED	Frame installation			
	Complete with power supply			
	Neutral white			
	15W	2000	N126	39
	27W	3000	N244	39
	Warm white			
	17W	2000	N127	39
	29W	3000	N245	39
	Neutral white DALI			
	15W	2000	N128	39
	27W	3000	N246	39
	Warm white DALI			
	17W	2000	N129	39
	29W	3000	N247	39
	Warm white DALI - CRI 90			
	21W	2000	N130	39
	31W	2500	N248	39
DALI versions occupy 1 address				

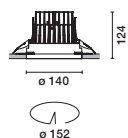


12
ALUMINIUM

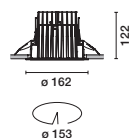


39
WHITE/ALUMINIUM

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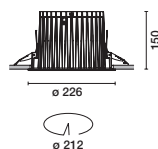


light source	W*	lm	code colour
LED	Minimal installation		
	Complete with power supply		
	Neutral white		
	27 W	3000	N116 12
	Warm white		
	29 W	3000	N117 12
	Neutral white DALI		
	27 W	3000	N118 12
	Warm white DALI		
	29 W	3000	N119 12
	Warm white DALI - CRI 90		
	33 W	2700	N120 12
DALI versions occupy 1 address			



light source	W*	lm	code colour
LED	Frame installation		
	Complete with power supply		
	Neutral white		
	27 W	3000	N131 39
	Warm white		
	29 W	3000	N132 39
	Neutral white DALI		
	27 W	3000	N133 39
	Warm white DALI		
	29 W	3000	N134 39
	Warm white DALI - CRI 90		
	33 W	2700	N135 39
DALI versions occupy 1 address			

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light source	W*	lm	code colour
LED	Frame installation		
	Complete with power supply		
	Neutral white		
	38 W	5000	MN01 39
	Warm white		
	41 W	5000	MN02 39
	Neutral white DALI		
	38 W	5000	MN03 39
	Warm white DALI		
	41 W	5000	MN04 39
	Warm white DALI - CRI 90		
	58 W	5000	N136 39
DALI versions occupy 1 address			



Reflex fixed
LED Light Engine (L.L.E)

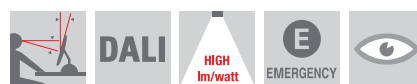


Features



- Recessed installation in false ceilings with 1 to 25 mm using torsion springs.
- Die-cast aluminium body and heat sink.
- Aluminium vacuum-metallised reflector with scratch-resistant cover, with high luminous efficiency and visual comfort.

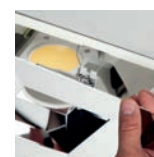
- Versions suitable for use in environments with video terminals UGR<19.
- Available with electronic and DALI control gear and emergency with inverter.
- IP20
- IP23 for visible body of fitting after installation.



Perimetral side



Springs with lock/unlock system

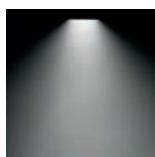


Reflector retention system

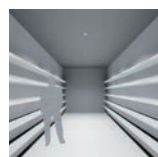
Optics and lamps



General lighting



Luminance control
UGR<19



Double asymmetric

LED L.L.E.	8,5 - 16 - 18 - 19W
	21 - 23 - 29 - 31W
	32 - 45 - 48W

LED

- **L.L.E.**
- Colour stability
Mac Adam <3
- Life
50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving

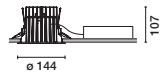
lumen lm	LED	QR CBC 51	ENERGY SAVING	TC-TEL	ENERGY SAVING	HIT-TC-CE	ENERGY SAVING
1100	8,5W	50W	83%	18W	53%	-	-
3000	32W	3x50W	79%	42W	24%	35W	9%
5000	48W	5x50W	81%	2x32W	25%	50W	4%

(3000K) LED energy saving compared with conventional lamps

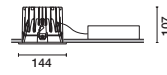


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light source	W*	lm	code colour
LED	Frame installation - UGR<19		
Complete with power supply			
Neutral white			
8,5W	1200	MB42	39
16W	2000	MU16	39
Warm white			
8,5W	1100	MB43	39
18W	2000	MU17	39
Neutral white DALI			
8,5W	1200	MB44	39
16W	2000	MU18	39
Warm white DALI			
8,5W	1100	MB45	39
18W	2000	MU19	39
Warm white DALI - CRI 90			
23W	2000	MU20	39
IP54 DALI versions occupy 1 address			

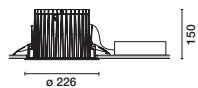


light source	W*	lm	code colour
LED	Frame installation - UGR<19		
Complete with power supply			
Neutral white			
8,5W	1200	MC00	39
16W	2000	MU26	39
Warm white			
8,5W	1100	MC01	39
18W	2000	MU27	39
Neutral white DALI			
8,5W	1200	MC02	39
16W	2000	MU28	39
Warm white DALI			
8,5W	1100	MC03	39
18W	2000	MU29	39
Warm white DALI - CRI 90			
23W	2000	MU30	39
IP54 DALI versions occupy 1 address			

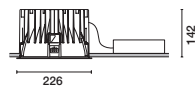


ø 212

light source	W*	lm	code colour
LED	Frame installation- UGR<19		
Complete with power supply			
Neutral white			
19W	2000	MB82	39
29W	3000	MB84	39
Warm white			
21W	2000	MB83	39
32W	3000	MB85	39
Neutral white DALI			
19W	2000	MB86	39
29W	3000	MB88	39
Warm white DALI			
21W	2000	MB87	39
32W	3000	MB89	39
Neutral white with inverter			
19W	2000	*MB90	39
Warm white with inverter			
21W	2000	*MB91	39
* IP20 - Class of Insulation I DALI versions occupy 1 address			



light source	W*	lm	code colour
LED	Frame installation - UGR<19		
Complete with power supply			
Neutral white			
19W	2000	MC27	39
29W	3000	MC29	39
Warm white			
21W	2000	MC28	39
32W	3000	MC30	39
Neutral white DALI			
19W	2000	MC31	39
29W	3000	MC33	39
Warm white DALI			
21W	2000	MC32	39
32W	3000	MC34	39
Neutral white with inverter			
19W	2000	*MC35	39
Warm white with inverter			
21W	2000	*MC36	39
* IP20 - Class of Insulation I DALI versions occupy 1 address			

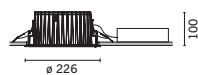




ø 212

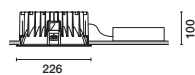
light source	W*	lm	code colour
LED	Frame installation - UGR<19		
Complete with power supply			
Neutral white			
19 W	2000		MB74 39
29 W	3000		MB76 39
Warm white			
21 W	2000		MB75 39
32 W	3000		MB77 39
Neutral white DALI			
19 W	2000		MB78 39
29 W	3000		MB80 39
Warm white DALI			
21 W	2000		MB79 39
32 W	3000		MB81 39

DALI versions occupy 1 address



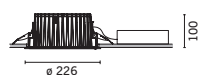
light source	W*	lm	code colour
LED	Frame installation - UGR<19		
Complete with power supply			
Neutral white			
19 W	2000		MC19 39
29 W	3000		MC21 39
Warm white			
21 W	2000		MC20 39
32 W	3000		MC22 39
Neutral white DALI			
19 W	2000		MC23 39
29 W	3000		MC25 39
Warm white DALI			
21 W	2000		MC24 39
32 W	3000		MC26 39

DALI versions occupy 1 address



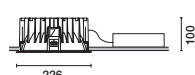
light source	W*	lm	code colour
LED	Frame installation - General lighting		
Complete with power supply			
Neutral white			
19 W	2000		MB52 39
29 W	3000		MB54 39
45 W	5000		MC04 39
Warm white			
21 W	2000		MB53 39
32 W	3000		MB55 39
48 W	5000		MC17 39
Neutral white DALI			
19 W	2000		MB56 39
29 W	3000		MB58 39
45 W	5000		MC18 39
Warm white DALI			
21 W	2000		* MB57 39
32 W	3000		* MB59 39
48 W	5000		MC60 39
Warm white DALI - CRI 90			
21 W	2000		MC39 39
31 W	3000		MC40 39
Neutral white with inverter			
19 W	2000		* MB60 39
Warm white with inverter			
21 W	2000		* MB61 39

* IP20 - Class of Insulation I
DALI versions occupy 1 address



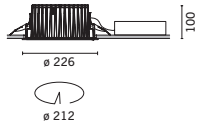
light source	W*	lm	code colour
LED	Frame installation - General lighting		
Complete with power supply			
Neutral white			
19 W	2000		MC05 39
29 W	3000		MC07 39
Warm white			
21 W	2000		MC06 39
32 W	3000		MC08 39
Neutral white DALI			
19 W	2000		MC09 39
29 W	3000		MC11 39
Warm white DALI			
21 W	2000		MC10 39
32 W	3000		MC12 39
Warm white DALI - CRI 90			
21 W	2000		MC47 39
31 W	3000		MC48 39
Neutral white with inverter			
19 W	2000		* MC13 39
Warm white with inverter			
21 W	2000		* MC14 39

* IP20 - Class of Insulation I
DALI versions occupy 1 address





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light source	W*	lm	code colour
LED	Frame installation - Double asymmetric		
Complete with power supply			
Neutral white			
19W	2000		MB66 39
29W	3000		MB68 39
Warm white			
21W	2000		MB67 39
32W	3000		MB69 39
Neutral white DALI			
19W	2000		MB70 39
29W	3000		MB72 39
Warm white DALI			
21W	2000		MB71 39
32W	3000		MB73 39

DALI versions occupy 1 address

accessories	125	212
	code colour	code colour
IP54 protection screen	---	MWR0 24
Diffusing perimetral side	---	MWR1 A5 for MB52-MB53-MB54-MB55 MB56-MB57-MB58-MB59
Diffusing perimetral side with IP54 protection screen	---	MWR2 A5 for MB52-MB53-MB54-MB55 MB56-MB57-MB58-MB59 MC17-MC18-MC60
Customisation rim	MWP4 15	MWP5 15
Reinforcement plate for false ceilings	---	6024 00
Casing for concrete ceilings	---	6029 00 except for inverter versions

accessories	125x125	212x212
	code colour	code colour
Customisation rim	MWQ8 15	MWQ9 15
IP54 protection screen	---	MWR0 24
Reinforcement plate for false ceilings	---	6025 00
Casing for concrete ceilings	---	6031 00 except for inverter versions

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

Reflex wall washer
LED Light Engine (L.L.E)



Features



- Recessed installation in false ceilings with 1 to 25 mm using torsion springs.
- Die-cast aluminium body and heat sink.
- Metallised aluminium reflector with anti-scratch protection treatment.
- Available with electronic and DALI control gear.
- IP20
- IP43 for visible body of fitting after installation.

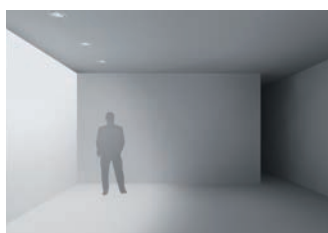


Reflector retention system



Springs with lock/unlock system

Optics and lamps



LED L.L.E.	8,5 - 16 - 18 - 19W
	21 - 23 - 29 - 31W
	32 - 45 - 48W

Downlight Wall Washer iGuzzini:
uniform wall lighting

LED

Energy saving

- **LED L.L.E.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

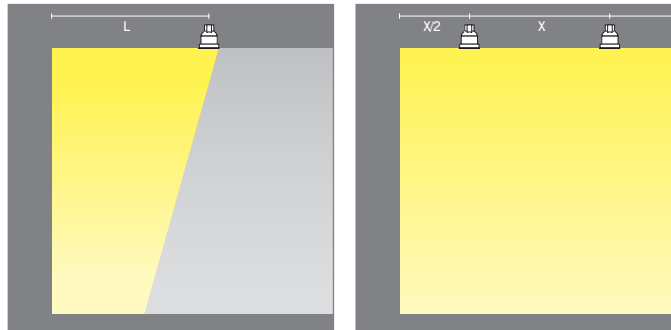
lumen lm	LED	QR CBC 51 	ENERGY SAVING	TC-TEL 	ENERGY SAVING	HIT-TC-CE 	ENERGY SAVING
1100	8,5W	50W	83%	18W	53%	-	-
2000	21W	2x50W	79%	26W	19%	-	-
3000	32W	3x50W	79%	42W	24%	35W	9%

(3000K) LED energy saving compared with conventional lamps

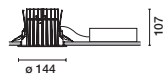
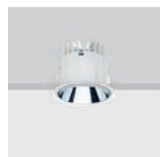


Correct installation

Please refer to the instructions sheet for the best layout of the fixtures in order to guarantee uniform wall lighting.



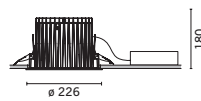
ø 125



light source	W*	lm	code	colour
LED	Frame installation			
	Complete with power supply			
	Neutral white			
	8,5W	1200	MB47	39
	16W	2000	MU21	39
	Warm white			
	8,5W	1100	MB48	39
	18W	2000	MU22	39
	Neutral white DALI			
	8,5W	1200	MB49	39
	16W	2000	MU23	39
	Warm white DALI			
	8,5W	1100	MB50	39
	18W	2000	MU24	39
	Warm white DALI - CRI 90			
	23W	2000	MU25	39

DALI versions occupy 1 address

ø 212



light source	W*	lm	code	colour
LED	Frame installation			
	Complete with power supply			
	Neutral white			
	19W	2000	MB92	39
	29W	3000	MB94	39
	45W	5000	MN01	39
	Warm white			
	21W	2000	MB93	39
	32W	3000	MB95	39
	48W	5000	MN02	39
	Neutral white DALI			
	19W	2000	MB96	39
	29W	3000	MB98	39
	45W	5000	MN03	39
	Warm white DALI			
	21W	2000	MB97	39
	32W	3000	MB99	39
	48W	5000	MN04	39
	Warm white DALI - CRI 90			
	21W	2000	MC43	39
	31W	3000	MC44	39

DALI versions occupy 1 address

accessories



Customisation rim

code	colour	code	colour
MWP4	15	MWP5	15



Reinforcement plate for false ceilings

---	---	6024	00
-----	-----	-------------	----



Casing for concrete ceilings

---	---	6030	00
-----	-----	-------------	----

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



Features



- Recessed installation in false ceilings with 12.5 mm for Minimal versions (without perimeter rim) or from 1 to 25 mm for Frame versions (with rim) using torsion springs.
- Die-cast aluminium body and heat sink.
- Mirror aluminium ultrapure reflectors.
- Professional optics with controlled luminance UGR<19.
- Available with electronic and DALI control gear; emergency with inverter only for fluorescent versions.
- Borosilicate glass protective capsule for discharge lamps without reflector.
- IP20
- IP23 for visible body of fitting after installation.



Protective capsule IP43 for discharge versions

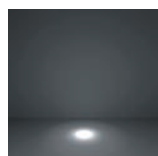


IP44 protection screen

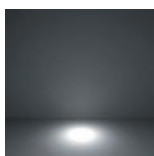


Reflector retention cable for G12 versions

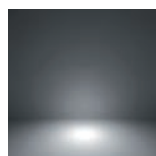
Optics and lamps



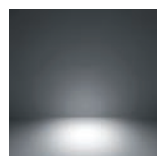
S - Spot
α from 9° to 15°



M - Medium
α from 16° to 25°



F - Flood
α from 26° to 39°



WF - Wide Flood
α from 40° to 60°

	QR-CBC 51	50W		TC-TEL	2x14/17W
	HIT-CE	20 - 35W		TC-TEL	2x26/32/42W
	HIT-TC-CE	35 - 70W		TC-DEL	2x26W
	HIT-CE	35 - 70 - 150W			




12
ALUMINIUM

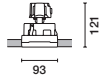




39
WHITE/ALUMINIUM

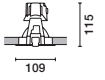

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light source	W	optic	code colour
Minimal installation			
QR CBC 51 (GU5,3)	50W 12V		M355 12
Class of Insulation III			
HIT-CE (PGJ5) Complete with electronic control gear			
	20W	46°	M356 12
	35W	48°	M357 12

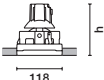


light source	W	optic	code colour
Frame installation			
QR CBC 51 (GU5,3)	50W 12V		M376 39
Class of Insulation III			
HIT-CE (PGJ5) Complete with electronic control gear			
	20W	46°	M377 39
	35W	48°	M378 39
IP43			

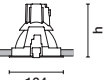

ø 125




light source	W	h	optic	code colour
Minimal installation				
QR CBC 51 (GU5,3)	50W 12V	141		M361 12
Class of Insulation III				
HIT-TC-CE (G8,5) Complete with electronic control gear				
	35W	141	78°	M362 12
	70W	141	78°	M363 12
	35W	179	34°	M364 12
	70W	179	34°	M365 12

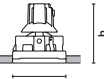


light source	W	h	optic	code colour
Frame installation				
QR CBC 51 (GU5,3)	50W 12V	129		M382 39
Class of Insulation III				
HIT-TC-CE (G8,5) Complete with electronic control gear				
	35W	129	78°	M383 39
	70W	129	78°	M384 39
	35W	170	34°	M385 39
	70W	170	34°	M386 39
IP43				

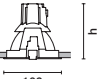

ø 153

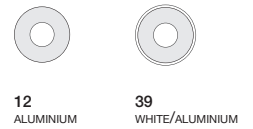


light source	W	h	optic	code colour
Minimal installation				
HIT-TC-CE (G8,5)	35W	169	74°	M369 12
	70W	169	74°	M370 12
	35W	216	50°	M371 12
	70W	216	46°	M372 12

light source	W	h	optic	code colour
Frame installation				
HIT-TC-CE (G8,5)	35W	156	74°	M390 39
	70W	156	74°	M391 39
	35W	213	50°	M392 39
	70W	213	46°	M393 39
IP43				



ø 212

light source	W	h	optic	code colour
Minimal installation				
HIT-CE (G12)	35/70/150W	210	82°	M373 12
	35/70/150W	266	52°	M374 12
Control gear to be ordered separately				

light source	W	h	optic	code colour
Frame installation				
HIT-CE (G12)	35/70/150W	181	82°	M394 39
	35/70/150W	263	52°	M395 39
IP43 Control gear to be ordered separately				

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light source	W	optic	code colour
Minimal installation			
TC-TEL (GR14q-1)	Electronic		
	2x14/17W	78°	M549 12
	DALI		
TC-TEL (GR14q-1)	DALI		
	2x14/17W	78°	M550 12
	Emergency light with inverter		
TC-TEL (GR14q-1)	2x14/17W	78°	M551 12
	TC-TEL (GX24q-3/4)	Electronic	
		2x26/32/42W	75°
TC-DEL (G24q-3)	2x26W (TC-DEL)		
	2x26W (TC-DEL)	75°	M553 12
TC-DEL (G24q-3)	DALI		
	2x26/32/42W	75°	M553 12
	2x26W (TC-DEL)		
TC-DEL (G24q-3)	Emergency light with inverter		
	2x26/32/42W	75°	M554 12
	2x26W (TC-DEL)		

The codes M549-M552-M553 are in insulation class II. DALI versions occupy 1 address.

light source	W	optic	code colour
Frame installation			
TC-TEL (GR14q-1)	Electronic		
	2x14/17W	78°	M555 39
	DALI		
TC-TEL (GR14q-1)	DALI		
	2x14/17W	78°	M556 39
	Emergency light with inverter		
TC-TEL (GR14q-1)	2x14/17W	78°	M557 39
	TC-TEL (GX24q-3/4)	Electronic	
		2x26/32/42W	75°
TC-DEL (G24q-3)	2x26W (TC-DEL)		
	2x26W (TC-DEL)	75°	M559 39
TC-DEL (G24q-3)	DALI		
	2x26/32/42W	75°	M559 39
	2x26W (TC-DEL)		
TC-DEL (G24q-3)	Emergency light with inverter		
	2x26/32/42W	75°	M560 39
	2x26W (TC-DEL)		

The codes M555-M558-M559 are in insulation class II. DALI versions occupy 1 address.

accessories

	code colour
IP44 protection screen	MWF4 24-65 for M555-M556-M557 M558-M559-M560

components

	code colour
Electronic control gear for 2x35W HIT Kg. 0,365 - Dim. 175x79,5x32h	4437 00
Electronic control gear for 35W HIT Kg. 0,320 - Dim. 225x60x37h	4466 00
Electronic control gear for 70W HIT Kg. 0,350 - Dim. 185x90x37h	4467 00
Electronic control gear for 150W HIT Kg. 0,350 - Dim. 185x90x37h	4465 00
Control gear complete with capacitor for 35W HIT Kg. 1,450 - Dim. 257x92x70h	4468 00
Control gear complete with capacitor for 70W HIT Kg. 1,700 - Dim. 257x92x70h	4469 00
Control gear complete with capacitor for 150W HIT Kg. 2,550 - Dim. 332x110x77h	4470 00

	code colour
Control gear complete with capacitor and ignitor with controlled pulses for 35W HIT Kg. 1,450 - Dim. 257x92x70h	4471 00
Control gear complete with capacitor and ignitor with controlled pulses for 70W HIT Kg. 1,700 - Dim. 257x92x70h	4472 00
Control gear complete with capacitor and ignitor with controlled pulses for 150W HIT Kg. 2,550 - Dim. 332x110x77h	4473 00
Electronic safety transformer 10-60W 230/12V St	5581 00
Electronic safety transformer 35-105W 230/12V St	5583 00
Electronic safety transformer 50-200W 230/12V Top	5586 00
Electronic safety transformer 50-200W 230/12V St	5587 00
Electronic safety transformer 20-60W 230/12V St	5584 00
Electronic safety transformer 50-105W 230/12V St	5585 00



Reflex adjustable



Features



- Recessed installation in false ceilings with 12.5 mm for Minimal versions (without perimeter rim) or from 1 to 25 mm for Frame versions (with rim) using torsion springs.
- Die-cast aluminium body and heat sink.
- Mirror aluminium ultrapure reflectors.
- Adjustability on horizontal plane by +/- 30° and on vertical axis by 358°.
- Available with electronic control gear.
- Borosilicate glass protective capsule for discharge lamps without reflector.
- IP20
- IP23 for visible body of fitting after installation.

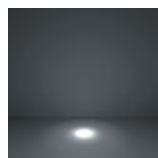


Installation of accessories without tools

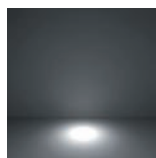


Easy installation and maintenance

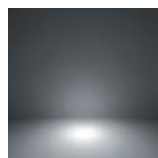
Optics and lamps



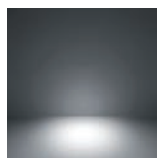
S - Spot
 α from 9° to 15°



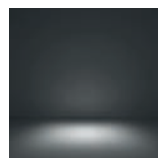
M - Medium
 α from 16° to 25°



F - Flood
 α from 26° to 39°



WF - Wide Flood
 α from 40° to 60°



E - Elliptical**

	QR-CBC 51	50W
	QR 111	100W
	HI-PAR 51 CE	20 - 35W
	HIR-111-CE	35 - 70W
	HIT-TC-CE	35 - 70W
	HIT-CE	20 - 35W

* Elliptical optic is obtained by installing the respective accessory.






12
ALUMINIUM






39
WHITE/ALUMINIUM

ø 75

light source	W	optic	code colour
Minimal installation			
QRCBC51 (GU5,3)	50W 12V		M396 12
Class of Insulation III			
HI-PAR51-CE Complete with electronic control gear			
(GX10)	20W		M400 12
	35W		M401 12
HIT-CE Complete with electronic control gear			
(GU6,5)	20W	26°	M402 12
	35W	26°	M403 12








light source	W	optic	code colour
Frame installation			
QRCBC51 (GU5,3)	50W 12V		M416 39
Class of Insulation III			
HI-PAR51-CE Complete with electronic control gear			
(GX10)	20W		M417 39
	35W		M418 39
HIT-CE Complete with electronic control gear			
(GU6,5)	20W	26°	M419 39
	35W	26°	M420 39








ø 96

light source	W	h	code colour
Minimal installation			
QRCBC51 (GU5,3)	50W 12V	119	M404 12
Class of Insulation III			
HI-PAR51-CE Complete with electronic control gear			
(GX10)	20W	134	M405 12
	35W	134	M406 12








light source	W	h	code colour
Frame installation			
QRCBC51 (GU5,3)	50W 12V	116	M421 39
Class of Insulation III			
HI-PAR51-CE Complete with electronic control gear			
(GX10)	20W	131	M422 39
	35W	131	M423 39








ø 125

light source	W	h	code colour
Minimal installation			
QRCBC51 (GU5,3)	50W 12V	140	M408 12
Class of Insulation III			
HIT-TC-CE Complete with electronic control gear			
(G8,5)	35W	209 42°	M409 12
	70W	209 34°	M410 12

light source	W	h	code colour
Frame installation			
QRCBC51 (GU5,3)	50W 12V	139	M425 39
Class of Insulation III			
HIT-TC-CE Complete with electronic control gear			
(G8,5)	35W	206 42°	M426 39
	70W	206 34°	M427 39



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ALUMINIUM



39
WHITE/ALUMINIUM

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light source W			code colour		light source W			code colour	
	Minimal installation			M411 12		Frame installation		M428 39	
	QR 111 (G53)	100W 12V				Class of Insulation III			
	Complete with electronic control gear			M412 12		Complete with electronic control gear		M429 39	
	HIR-111-CE (GX8,5)	35 W				Class of Insulation III			
	Complete with electronic control gear			M413 12		Complete with electronic control gear		M430 39	
	HIR-111-CE (GX8,5)	70 W				Class of Insulation III			
	Complete with electronic control gear			M414 12		Complete with electronic control gear		M431 39	
	HIT-TC-CE (G8,5)	35 W				30°	Class of Insulation III		
	Complete with electronic control gear			M415 12		Complete with electronic control gear		M432 39	
	HIT-TC-CE (G8,5)	70 W				30°	Class of Insulation III		

accessories					
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	code colour	code colour	code colour	code colour
Refractor for elliptical distribution	MW73 24	1111 24 for M404-M421	1111 24 for M408-M425	MWFO 24 for M414-M415-M431-M432
Coloured filters	MW74 05-06-09	1106 05-06-09 for M404-M421	1106 05-06-09 for M408-M425	MWF1 05-06-09 for M414-M415-M431-M432
Lower reflector to avoid reflection	MWF6 04	---	---	---
IR filter	MW75 24	---	MWE8 24 for M409-M410-M426-M427	MWF2 24 for M414-M415-M431-M432
UV filter	MW76 24	---	MWE9 24 for M409-M410-M426-M427	MWF3 24 for M414-M415-M431-M432

components

	code colour
Electronic safety transformer	
10-60W 230/12V St	5581 00
35-105W 230/12V St	5583 00
Electronic safety transformer	
50-200W 230/12V Top	5586 00
50-200W 230/12V St	5587 00
20-60W 230/12V St	5584 00
50-105W 230/12V St	5585 00



Reflex wall washer



Features

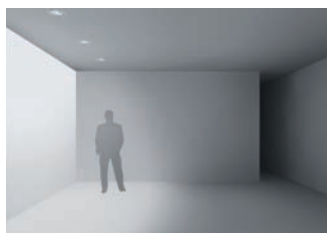


- Recessed installation in false ceilings with 1 to 25 mm using torsion springs.
- Die-cast aluminium body and heat sink.
- Mirror aluminium ultrapure reflectors.
- Available with electronic and DALI control gear and emergency with inverter.
- IP20
- IP23 for visible body of fitting after installation.



Optics and lamps

The optical system (patented) of the luminaire delivers uniform lighting of vertical surfaces without shadow areas in wall/ceiling corners.

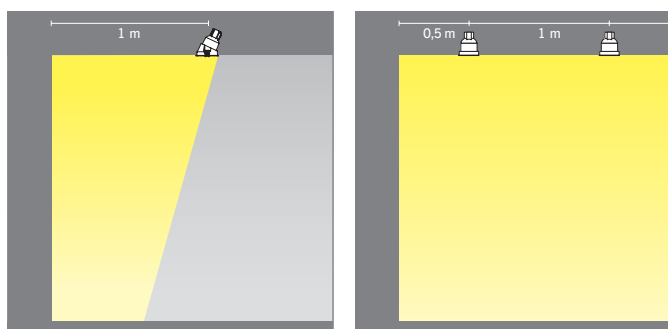


WW - Wall Washer

	QT 12 ES	75W
	HIT-TC-CE	35 - 70W
	HIT-CE	35 - 70 - 150W
	TC-TEL	2x14/17W
	TC-TEL	2x26 - 2x26/32W
	TC-DEL	2x26 - 2x26/32W

Correct installation

The drawing shows the correct installation distances for uniform lighting on the wall.





12
ALUMINIUM

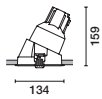


39
WHITE/ALUMINIUM

ø 125



light source	W	code	colour
Frame installation			
QT 12 ES (GY6,35)	75 W max 12 V	M543	39
Class of Insulation III			



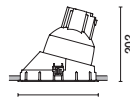
ø 125

Complete with electronic control gear			
HIT-TC-CE (G8,5)	35 W	M544	39
	70 W	M545	39

ø 212



light source	W	code	colour
Frame installation			
HIT-CE (G12)	35/70/150 W	M548	39



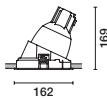
ø 212

Complete with electronic control gear			
HIT-TC-CE (G8,5)	35 W	M544	39
	70 W	M545	39

ø 153



light source	W	code	colour
Frame installation			
Complete with electronic control gear			
HIT-TC-CE (G8,5)	35 W	M546	39
	70 W	M547	39



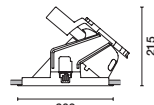
ø 153

Complete with electronic control gear			
HIT-TC-CE (G8,5)	35 W	M546	39
	70 W	M547	39

ø 242



light source	W	code	colour
Frame installation			
Electronic			
TC-TEL (GR14q-1)	2x14/17 W	M563	39
DALI			
	2x14/17 W	M564	39
Emergency light with inverter			
	2x14/17 W	M565	39



ø 242

Electronic			
TC-TEL (GX24q-3/4)	2x26/32 W	M566	39
2x26 W (TC-DEL)			
DALI			
	2x26/32 W	M567	39
2x26 W (TC-DEL)			
Emergency light with inverter			
	2x26/32 W	M568	39

The codes M563-M566-M567 are in insulation class II.
DALI versions occupy 1 address.

components

	code	colour
Electronic control gear for 2x35 W HIT Kg. 0,365 - Dim. 175x79,5x32h	4437	00
Electronic control gear for 35 W HIT Kg. 0,320 - Dim. 225x60x37h	4466	00
Electronic control gear for 70 W HIT Kg. 0,350 - Dim. 185x90x37h	4467	00
Electronic control gear for 150 W HIT Kg. 0,350 - Dim. 185x90x37h	4465	00
Control gear complete with capacitor for 35 W HIT Kg. 1,450 - Dim. 257x92x70h	4468	00
Control gear complete with capacitor for 70 W HIT Kg. 1,700 - Dim. 257x92x70h	4469	00
Control gear complete with capacitor for 150 W HIT Kg. 2,550 - Dim. 332x110x77h	4470	00

	code	colour
Control gear complete with capacitor and ignitor with controlled pulses for 35 W HIT Kg. 1,450 - Dim. 257x92x70h	4471	00
Control gear complete with capacitor and ignitor with controlled pulses for 70 W HIT Kg. 1,700 - Dim. 257x92x70h	4472	00
Control gear complete with capacitor and ignitor with controlled pulses for 150 W HIT Kg. 2,550 - Dim. 332x110x77h	4473	00
Electronic safety transformer 10-60 W 230/12 V St	5581	00
Electronic safety transformer 35-105 W 230/12 V St	5583	00
Electronic safety transformer 50-200 W 230/12 V Top	5586	00
Electronic safety transformer 50-200 W 230/12 V St	5587	00
Electronic safety transformer 20-60 W 230/12 V St	5584	00
Electronic safety transformer 50-105 W 230/12 V St	5585	00

Sistema Easy

design Maurizio Varratta

Sistema Easy MH



General light



ø 212



Wall Washer



ø 212

Sistema Easy FL



General light



ø 212



ø 250



General light



ø 212



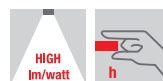
ø 250



Features



- Recessed installation in false ceilings with 1 to 25 mm.
- Die-cast aluminium body and heat sink.
- Mirror aluminium ultrapure reflectors with high luminous efficiency.
- Luminaire reduced height h=115mm.
- IP20
- IP23 for visible body of fitting after installation.



Rapid installation

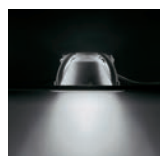


Quick-connecting terminal



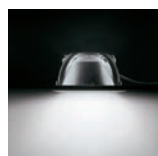
Two-part reflector (for general light version)

Light distribution



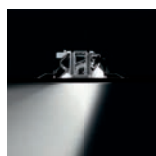
General lighting

This optic with high performance reflector guarantees high level light output, reducing lighting system costs.



General light with diffuser glass

This version provides shadow-free diffused light, for uniform lighting without luminance contrast.



Wall Washer

The asymmetrical distribution of the beam of light allows uniform wall lighting, extending system lighting design flexibility.

 HIT-DE-CE 70 - 150W



39
WHITE/ALUMINIUM



78
GREY/ALUMINIUM

	light source	W	code	colour		light source	W	code	colour
	HIT-DE-CE (Rx7s)	General lighting				HIT-DE-CE (Rx7s)	Wall washer		
		High-efficiency reflector complete with safety glass							
		70 W	3927	39-78			70 W	4663	39-78
		150 W	3928	39-78			150 W	4664	39-78
	Diffusing glass								
		70 W	3929		39-78				
		150 W	3930	39-78					

accessories

	code	colour
	6024	00
	6029	00
	for 3927-3929-4663	

components

	code	colour
Electronic control gear for 70 W HIT	4467	00
Kg. 0,350 - Dim. 185x90x37h		
for 150 W HIT	4465	00
Kg. 0,350 - Dim. 185x90x37h		
Control gear complete with capacitor for 70 W HIT	4469	00
Kg. 1,700 - Dim. 257x92x70h		
for 150 W HIT	4470	00
Kg. 2,550 - Dim. 332x110x77h		
Control gear complete with capacitor and ignitor with controlled pulses for 70 W HIT	4472	00
Kg. 1,700 - Dim. 257x92x70h		
for 150 W HIT	4473	00
Kg. 2,550 - Dim. 332x110x77h		

Sistema Easy FL



Features



- Recessed installation in false ceilings with 1 to 25 mm.
- Self-extinguishing thermoplastic body and painted sheet steel heat sink.
- Reflecting surface, 2 different finishes: high luminous efficiency specular metallized and matt.
- Available with electronic, multiwatt electronic and DALI control gear and emergency light with inverter.
- Dimmable DALI models are equipped with a Switch Dim, which allows the user to adjust the light with a standard electric switch.
- Luminaire reduced height h=100 mm.
- IP20
- IP23 for visible body of fitting after installation.



Rapid installation



Large rim



Lamp centring device

Light distribution

Metallized reflector

High output and controlled emission make this reflector ideal for all public areas, even large ones.



	TC-TEL	2x14/17W
	TC-DEL	18 - 26 - 2x13W
		2x18 - 2x26W
	TC-TEL	32 - 42W
		2x26/32/42W

Sistema Easy FL

Reflectors

Dark-light reflector
UGR<19



Can be fitted on reflector
with metallised finish



Reflector for
downlight
wall washer effect



Can be fitted on reflector
with metallised finish



Decorative screens

Tapered
decorative



Decorative
cylindrical



Use of these accessories
guarantees IP44
degree of protection

Decorative
glass



Screens

Transparent
screen



Diffuser screen



Diffusing
central part



Customisation rims

Customisation
rim



Indicator
screen



Use of these accessories
guarantees IP44
degree of protection



With transparent
screen



With diffuser
screen


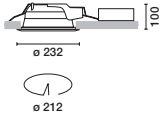


With diffusing
central part


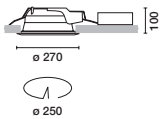



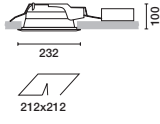
Use of these accessories
guarantees IP44
degree of protection




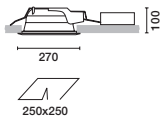
light source	W	code	colour
 	Metallized reflector Complete with control gear		
	Electronic		
	18W	3300	39
	26W	3301	39
	2x13W	3302	39
	2x18W	3303	39
	2x26W	3304	39
	DALI		
	18W	3343	39
	26W	3344	39
	2x18W	3345	39
	2x26W	3346	39
Inductive with inverter			
2x18W	3359	39	
2x26W	3360	39	
TC-TEL (GX24q-3/4)			
Electronic			
32W	3305	39	
42W	3595	39	
2x32W	3306	39	
DALI			
32W	3347	39	
42W	3348	39	
2x32W	3349	39	
TC-TEL (GR14q-1)			
Electronic			
2x14/17W	6276	39	
DALI			
2x14/17W	6277	39	
Inductive with inverter			
2x14/17W	6278	39	

DALI versions (class of insulation I) occupy 1 DALI address.
Code 6278 is in Insulation Class I and cannot use accessory code 6095.
























 	Metallized reflector Complete with control gear		
	TC-DEL (G24q-3)	Electronic	2x26/32/42W

light source	W	code	colour
 	Metallized reflector Complete with control gear		
	Electronic		
	18W	3864	39
	26W	3865	39
	2x13W	3866	39
	2x18W	3867	39
	2x26W	3868	39
	DALI		
	18W	3907	39
	26W	3908	39
	2x18W	3909	39
	2x26W	3910	39
Inductive with inverter			
2x18W	3923	39	
2x26W	3924	39	
TC-TEL (GX24q-3/4)			
Electronic			
32W	3869	39	
42W	3598	39	
2x32W	3870	39	
DALI			
32W	3911	39	
42W	3912	39	
2x32W	3913	39	
TC-TEL (GR14q-1)			
Electronic			
2x14/17W	6279	39	
DALI			
2x14/17W	6280	39	
Inductive with inverter			
2x14/17W	6281	39	

DALI versions (class of insulation I) occupy 1 DALI address.
Code 6281 is in Insulation Class I and cannot use accessory code 6096.

 	Metallized reflector Complete with control gear		
	TC-DEL (G24q-3)	Electronic	2x26/32/42W

Sistema Easy FL

accessories		212		250		212x212		250x250	
		code	colour	code	colour	code	colour	code	colour
	Dark-light reflector UGR<19	6926	12 for version with metallized reflector	9676	12		Dark-light reflector UGR<19	6930	12 for version with metallized reflector
	Reflector for downlight wall washer effect	6095	12 for version with metallized reflector no for 6278	---	---		Reflector for downlight wall washer effect	6096	12 for version with metallized reflector no for 6281
	Transparent screen IP44	6016	24	9613	24		Transparent screen IP44	6020	24
	Diffuser screen IP44	6017	65	9614	65		Diffuser screen IP44	6021	65
	Protection screen with diffusing central part IP44	6035	B7	9615	B7		Protection screen with diffusing central part IP44	6036	B7
	Customisation rim It cannot be installed in combination with diffusers	6037	15	---	---		Customisation rim It cannot be installed in combination with diffusers	6042	15
	Customisation rim complete with transparent protection screen IP44						Customisation rim complete with transparent protection screen IP44	6043	B6
	grey customisation rim	6038	B6	---	---				
	white customisation rim	6039	D8	---	---		Customisation rim complete with diffusing protection screen IP44	6044	A1
	Customisation rim complete with diffusing protection screen IP44	6040	A1	---	---		Customisation rim complete with protection screen with diffusing central part IP44	6045	A1
	Customisation rim complete with protection screen with diffusing central part IP44	6041	A1	---	---		Reinforcement plate for false ceilings	6025	00
	Decorative glass	6046	A1-D9	---	---		Casing for concrete ceilings	6031	00 no for 3923-3924-6281
	Reinforcement plate for false ceilings	6024	00	9648	00			9649	00
	Casing for concrete ceilings	6029	00 no for 3284-3290 3359-3360-6278	9674	00 except for amalgam sources			9675	00 except for amalgam sources





Breguet
Depuis 1775

Pixel Pro

Pixel Pro



Adjustable optic



ø 100

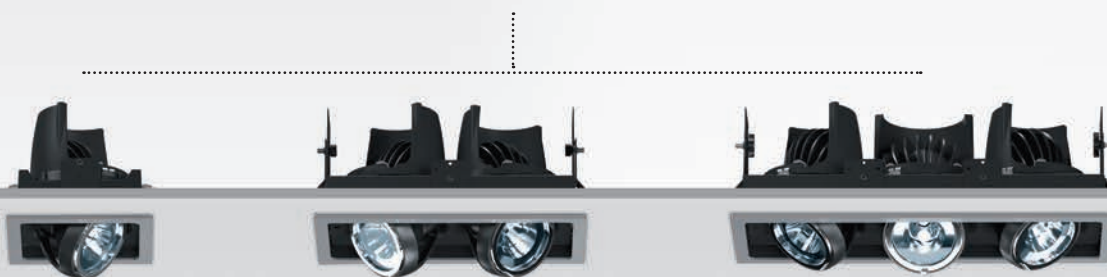
ø 125

ø 195

Pixel Pro Frame



Adjustable optic



ø 142

270x138

386x138

Pixel Pro

design Iosa Ghini



Features



- Recessed installation in false ceilings with 1 to 30 mm without tools.
- Made with recyclable materials: aluminium and steel.
- Opti Beam interchangeable reflectors with high luminous efficiency and uniform distribution.
- High visual comfort.
- 45° internal and 75° external adjustability, 355° rotation around vertical axis.
- LED versions with warm and neutral monochromatic white emission; available with passive dissipation with lamellar radiator or active with cooling fan.
- Versions with latest generation discharge lamps with integrated electronic control gear (except for HIT - G12 models).
- IP20
- IP23 for visible body of fitting after installation.



45° internal adjustability



75° external adjustability

Heat dissipation

Two innovative heat dissipation solutions: active and passive. The active version includes a small cooling fan which allows the use of higher powered LEDs and therefore optimum performance.



Active dissipation
20 db

Passive dissipation

Optics and lamps



S - Spot α from 9° to 15° **M** - Medium α from 16° to 25° **F** - Flood α from 26° to 39° **WF** - Wide-Flood α from 40° to 60° **E** - Elliptical* **WW** - Wall Washer*

* The Elliptical and Wall Washer optics are obtained by fitting the appropriate accessory.

LED PASSIVE DISSIPATION	9 - 23 - 30W
	32 - 44W
LED ACTIVE DISSIPATION	19 - 37W
HIT-TC-CE	35 - 50 - 70W
HIT-CE	20 - 35W
HIT-CE	20 - 35 - 50W
	70 - 100 - 150W

LED

Energy saving

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

lumen lm	LED	QR CBC 51 	ENERGY SAVING	QR 111 	ENERGY SAVING	HIT-CE 	ENERGY SAVING
1340	19W	50W	62%	-	-	-	-
2000	23W	2x50W	77%	-	-	-	-
4000	44W	-	-	3x100W	85%	50W	12%

(3000K) LED energy saving compared with conventional lamps

The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space.



Interchangeable reflector



light source	W*	lm	optic	code colour
LED	Passive dissipation			
Complete with power supply				
Neutral white				
9W	850	10°	MD77 39-78	
9W	850	26°	MD78 39-78	
Warm white				
9W	780	10°	MD79 39-78	
9W	780	26°	MD80 39-78	
Neutral white DALI				
9W	850	10°	MN58 39-78	
9W	850	26°	MN59 39-78	
Warm white DALI				
9W	780	10°	MN60 39-78	
9W	780	26°	MN61 39-78	
Warm white DALI - CRI 90				
9W	720	10°	MN62 39-78	
9W	720	26°	MN63 39-78	
DALI versions in insulation class I				

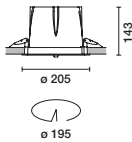
light source	W*	lm	optic	code colour
LED	Active dissipation			
Complete with power supply				
Neutral white				
19W	1450	10°	MD81 39-78	
19W	1450	26°	MD82 39-78	
Warm white				
19W	1340	10°	MD83 39-78	
19W	1340	26°	MD84 39-78	
Neutral white DALI				
19W	1450	10°	MN64 39-78	
19W	1450	26°	MN65 39-78	
Warm white DALI				
19W	1340	10°	MN66 39-78	
19W	1340	26°	MN67 39-78	
Warm white DALI - CRI 90				
19W	1230	10°	MN68 39-78	
19W	1230	26°	MN69 39-78	
DALI versions in insulation class I				

light source	W*	lm	optic	code colour
HIT-CE (GU6,5)	Complete with electronic control gear			
20W		6°	MD85 39-78	
20W		28°	MD86 39-78	
20W		46°	MD87 39-78	
35W		12°	MD88 39-78	
35W		28°	MD89 39-78	
35W		46°	MD90 39-78	

light source	W*	lm	optic	code colour
LED	Passive dissipation			
Complete with power supply				
Neutral white				
23W	2000	15°	MM31 39-78	
23W	2000	22°	MD91 39-78	
23W	2000	38°	MD92 39-78	
23W	2000	54°	MD93 39-78	
Warm white				
23W	2000	15°	MM32 39-78	
23W	2000	22°	MD94 39-78	
23W	2000	38°	MD95 39-78	
23W	2000	54°	MD96 39-78	
Neutral white DALI				
23W	2000	15°	MN70 39-78	
23W	2000	22°	MN71 39-78	
23W	2000	38°	MN72 39-78	
23W	2000	54°	MN73 39-78	
Warm white DALI				
23W	2000	15°	MN74 39-78	
23W	2000	22°	MN75 39-78	
23W	2000	38°	MN76 39-78	
23W	2000	54°	MN77 39-78	
Warm white DALI - CRI 90				
23W	1700	15°	MN78 39-78	
23W	1700	22°	MN79 39-78	
23W	1700	38°	MN80 39-78	
23W	1700	54°	MN81 39-78	
DALI versions in insulation class I				

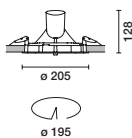
light source	W*	lm	optic	code colour
LED	Active dissipation			
Complete with power supply				
Neutral white				
37W	3000	15°	MM33 39-78	
37W	3000	22°	MD97 39-78	
37W	3000	38°	MD98 39-78	
37W	3000	54°	MD99 39-78	
Warm white				
37W	3000	15°	MM34 39-78	
37W	3000	22°	ME00 39-78	
37W	3000	38°	ME01 39-78	
37W	3000	54°	ME02 39-78	
Neutral white DALI				
37W	3000	15°	MN82 39-78	
37W	3000	22°	MN83 39-78	
37W	3000	38°	MN84 39-78	
37W	3000	54°	MN85 39-78	
Warm white DALI				
37W	3000	15°	MN86 39-78	
37W	3000	22°	MN87 39-78	
37W	3000	38°	MN88 39-78	
37W	3000	54°	MN89 39-78	
Warm white DALI - CRI 90				
37W	2600	15°	MN90 39-78	
37W	2600	22°	MN91 39-78	
37W	2600	38°	MN92 39-78	
37W	2600	54°	MN93 39-78	
DALI versions in insulation class I				

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



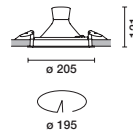
light source	W*	lm	optic	code colour
LED	Passive dissipation			
Complete with power supply				
Neutral white				
32W	2700	12°	MM35 39-78	
30W	3000	20°	ME21 39-78	
30W	3000	36°	ME22 39-78	
30W	3000	48°	ME23 39-78	
44W	4000	18°	ME27 39-78	
44W	4000	36°	ME28 39-78	
44W	4000	48°	ME29 39-78	
Warm white				
32W	2700	12°	MM36 39-78	
30W	3000	20°	ME24 39-78	
30W	3000	36°	ME25 39-78	
30W	3000	48°	ME26 39-78	
44W	4000	18°	ME30 39-78	
44W	4000	36°	ME31 39-78	
44W	4000	48°	ME32 39-78	
Neutral white DALI				
32W	2700	12°	MN94 39-78	
30W	3000	20°	MN95 39-78	
30W	3000	36°	MN96 39-78	
30W	3000	48°	MN97 39-78	
44W	4000	18°	MP07 39-78	
44W	4000	36°	MP08 39-78	
44W	4000	48°	MP09 39-78	
Warm white DALI				
32W	2700	12°	MN98 39-78	
30W	3000	20°	MN99 39-78	
30W	3000	36°	MP01 39-78	
30W	3000	48°	MP02 39-78	
44W	4000	18°	MP10 39-78	
44W	4000	36°	MP11 39-78	
44W	4000	48°	MP12 39-78	
Warm white DALI - CRI 90				
32W	2200	12°	MP03 39-78	
30W	2500	20°	MP04 39-78	
30W	2500	36°	MP05 39-78	
30W	2500	48°	MP06 39-78	
44W	3400	18°	MP13 39-78	
44W	3400	36°	MP14 39-78	
44W	3400	48°	MP15 39-78	

DALI versions in insulation class I



HIT-CE (G12)	W*	optic	code colour
20/35/70/150 W	8°	* ME15 39-78	
20/35/70/150 W	28°	* ME16 39-78	
Complete with electronic control gear			
50W	8°	ME17 39-78	
50W	28°	ME18 39-78	
100W	10°	ME19 39-78	
100W	28°	ME20 39-78	

* Control gear to be ordered separately.



HIT-TC-CE (G8,5)	W	optic	code colour
Complete with electronic control gear			
35W	8°	ME03 39-78	
35W	28°	ME04 39-78	
50W	10°	ME05 39-78	
50W	28°	ME06 39-78	
50W	48°	ME07 39-78	
70W	10°	ME08 39-78	
70W	28°	ME09 39-78	
70W	48°	ME10 39-78	

High-efficiency reflector

Complete with electronic control gear			
35W	10°	ME11 39-78	
35W	30°	ME12 39-78	
70W	10°	ME13 39-78	
70W	30°	ME14 39-78	

For products with a high efficiency reflector we advise against the use of accessories so as to leave the LOR unchanged.

accessories

	code	colour	code	colour
Reflector for elliptical distribution	1191	24	9539	24
Wall washer effect glass	MXG6	65	MX60	65
Coloured filters	4491	05-06-09 24	---	---
UV filter	4497	24	MX61	24
Spill-ring for HIT-CE	MX58	04	MX59	04
			for HIT-CE - HIT-TC-CE	
Interchanging reflectors for discharge lamps medium (20°)	MX64	12	MX65	12
			for HIT-CE	
Cover for versions HIT-CE	MX62	04	MX63	04
			for versions HIT-CE - HIT-TC-CE	

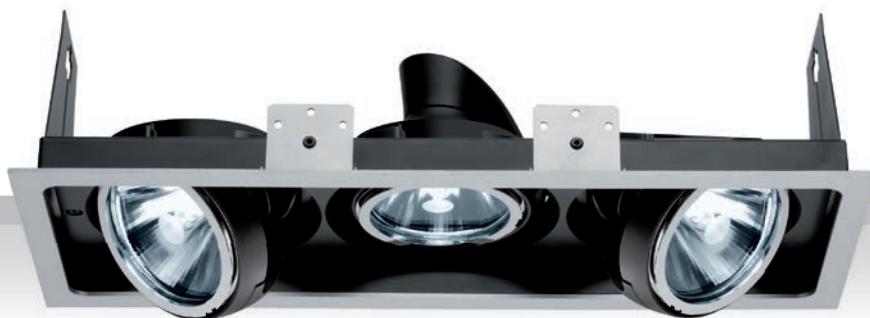
components

	code	colour
Electronic control gear for 20W HIT Kg. 0,320 - Dim. 225x60x37h	9698	00
for 35W HIT Kg. 0,320 - Dim. 225x60x37h	4466	00
for 70W HIT Kg. 0,350 - Dim. 185x90x37h	4467	00
for 150W HIT Kg. 0,350 - Dim. 185x90x37h	4465	00

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

Pixel Pro Frame

design Iosa Ghini



Features



- Recessed installation in false ceilings with 1 to 30 mm.
- Made with recyclable materials: aluminium and steel.
- Available in the single square and rectangular versions with 2 and 3 compartments and perimeter rim.
- Opti Beam interchanging reflectors with high luminous efficiency and uniform distribution.
- High visual comfort.
- Versions with one optical assembly with 45° internal and 75° external adjustability, 355° rotation around vertical axis.
- LED versions with warm and neutral monochromatic white emission; available with passive dissipation with lamellar radiator or active with cooling fan.
- Versions with latest generation discharge lamps with integrated electronic control gear.
- IP20
- IP23 for visible body of fitting after installation.



Double adjustability internal/external

Range



151 x 151



282 x 151

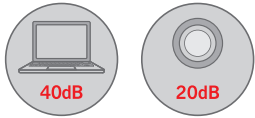


398 x 151

Pixel Pro Frame

Heat dissipation

Two innovative heat dissipation solutions: active and passive. The active version includes a small cooling fan which allows the use of higher powered LEDs and therefore optimum performance.



Active dissipation
20 db

Passive dissipation

Optics and lamps



S - Spot
 α from 9° to 15°

M - Medium
 α from 16° to 25°

F - Flood
 α from 26° to 39°

WF - Wide-Flood
 α from 40° to 60°

E - Elliptical*

WW - Wall Washer*


LED	PASSIVE DISSIPATION	23W
LED	ACTIVE DISSIPATION	37W
HIT-CE		35W

* The Elliptical and Wall Washer optics are obtained by fitting the appropriate accessory.

LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51	
2000	23W	2x50W	77%
3000	37W	3x50W	75%

(3000K) LED energy saving compared with conventional lamps



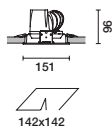
39
WHITE/ALUMINIUM



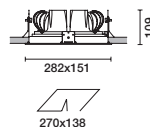
E1
GREY/BLACK/ALUMINIUM



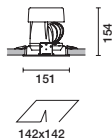
light source	W*	lm	optic	code colour
LED	Passive dissipation			
Complete with power supply				
Neutral white				
23 W	2000		54°	MF13 39-E1
Warm white				
23 W	2000		22°	MF14 39-E1
23 W	2000		38°	MF15 39-E1
23 W	2000		54°	MF16 39-E1
Neutral white DALI				
23 W	2000		54°	MP16 39-E1
Warm white DALI				
23 W	2000		22°	MP17 39-E1
23 W	2000		38°	MP18 39-E1
23 W	2000		54°	MP19 39-E1
Warm white DALI - CRI 90				
23 W	1700		22°	MP20 39-E1
23 W	1700		38°	MP21 39-E1
23 W	1700		54°	MP22 39-E1



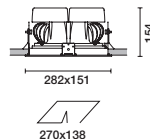
light source	W*	lm	optic	code colour
LED	Passive dissipation			
Complete with power supply				
Neutral white				
2x20 W	1800		54°	MF17 39-E1
Warm white				
2x20 W	1800		22°	MF18 39-E1
2x20 W	1800		38°	MF19 39-E1
2x20 W	1800		54°	MF20 39-E1
Neutral white DALI				
2x20 W	1800		54°	MP23 39-E1
Warm white DALI				
2x20 W	1800		22°	MP24 39-E1
2x20 W	1800		38°	MP25 39-E1
2x20 W	1800		54°	MP26 39-E1
Warm white DALI - CRI 90				
2x20 W	1500		22°	MP27 39-E1
2x20 W	1500		38°	MP28 39-E1
2x20 W	1500		54°	MP29 39-E1



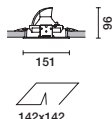
light source	W*	lm	optic	code colour
LED	Active dissipation			
Complete with power supply				
Neutral white				
37 W	3000		54°	ML16 39-E1
Warm white				
37 W	3000		22°	ML17 39-E1
37 W	3000		38°	ML18 39-E1
37 W	3000		54°	ML19 39-E1
Neutral white DALI				
37 W	3000		54°	MP37 39-E1
Warm white DALI				
37 W	3000		22°	MP38 39-E1
37 W	3000		38°	MP39 39-E1
37 W	3000		54°	MP40 39-E1
Warm white DALI - CRI 90				
37 W	2600		22°	MP41 39-E1
37 W	2600		38°	MP42 39-E1
37 W	2600		54°	MP43 39-E1



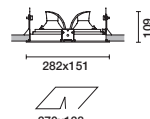
light source	W*	lm	optic	code colour
LED	Active dissipation			
Complete with power supply				
Neutral white				
2x35 W	2800		60°	ML20 39-E1
Warm white				
2x35 W	2800		22°	ML21 39-E1
2x35 W	2800		38°	ML22 39-E1
2x35 W	2800		54°	ML23 39-E1
Neutral white DALI				
2x35 W	2800		54°	MP44 39-E1
Warm white DALI				
2x35 W	2800		22°	MP45 39-E1
2x35 W	2800		38°	MP46 39-E1
2x35 W	2800		54°	MP47 39-E1
Warm white DALI - CRI 90				
2x35 W	2300		22°	MP48 39-E1
2x35 W	2300		38°	MP49 39-E1
2x35 W	2300		54°	MP50 39-E1



light source	W*	lm	optic	code colour
HIT-CE (GU6,5)	Complete with electronic control gear			
35 W			8°	MF04 39-E1
35 W			28°	MF05 39-E1
35 W			46°	MF06 39-E1



light source	W*	lm	optic	code colour
HIT-CE (GU6,5)	Complete with electronic control gear			
2x35 W			8°	MF07 39-E1
2x35 W			28°	MF08 39-E1
2x35 W			46°	MF09 39-E1



* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.


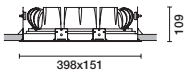




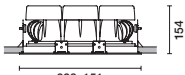

39
WHITE/ALUMINIUM


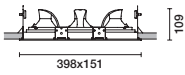










E1
GREY/BLACK/ALUMINIUM

accessories

light source	W*	lm	optic	code	colour
   398x151 109 386x138	LED Passive dissipation Complete with power supply				
	Neutral white				
	3x20 W	1800	54°	MF21	39-E1
	Warm white				
	3x20 W	1800	22°	MF22	39-E1
	3x20 W	1800	38°	MF23	39-E1
	3x20 W	1800	54°	MF24	39-E1
	Neutral white DALI				
	3x20 W	1800	54°	MP30	39-E1
	Warm white DALI				
	3x20 W	1800	22°	MP31	39-E1
	3x20 W	1800	38°	MP32	39-E1
	3x20 W	1800	54°	MP33	39-E1
	Warm white DALI - CRI 90				
	3x20 W	1500	22°	MP34	39-E1
3x20 W	1500	38°	MP35	39-E1	
3x20 W	1500	54°	MP36	39-E1	

light source	W*	lm	optic	code	colour
   398x151 154 386x138	LED Active dissipation Complete with power supply				
	Neutral white				
	3x35 W	2800	54°	ML24	39-E1
	Warm white				
	3x35 W	2800	22°	ML25	39-E1
	3x35 W	2800	38°	ML26	39-E1
	3x35 W	2800	54°	ML27	39-E1
	Neutral white DALI				
	3x35 W	2800	54°	MP51	39-E1
	Warm white DALI				
	3x35 W	2800	22°	MP52	39-E1
	3x35 W	2800	38°	MP53	39-E1
	3x35 W	2800	54°	MP54	39-E1
	Warm white DALI - CRI 90				
	3x35 W	2300	22°	MP55	39-E1
3x35 W	2300	38°	MP56	39-E1	
3x35 W	2300	54°	MP57	39-E1	

light source	W*	lm	optic	code	colour
   398x151 109 386x138	HIT-CE (GU6,5)				
	Complete with electronic control gear				
	3x35 W		8°	MF10	39-E1
	3x35 W		28°	MF11	39-E1
3x35 W		46°	MF12	39-E1	
Class of Insulation I					

	code	colour
 Refractor for elliptical distribution	1191	24
 Wall washer effect glass	MXG6	65
 Coloured filters	4491	05-06-09 24
 UV filter	4497	24
 Spill-ring	MX58	04 for HIT-CE
 Interchanging reflectors for HIT-CE lamps medium	MX64	12
 Cover	MX62	04 for versions HIT-CE

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



Features



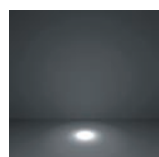
- Recessed installation in false ceilings with 1 to 25 mm.
- Die-cast aluminium body, thermoplastic material.
- Double adjustability: internal (40°) and external (65°) with respect to horizontal plane with continuous friction; 355° rotation around vertical axis.

- Versions with reflector with high luminous efficiency.
- LED versions with high color rendering index >90.
- IP20
- IP23 for visible body of fitting after installation.

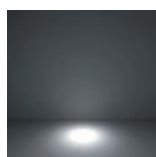


Front frame connected to the reflector

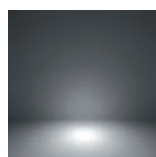
Optics and lamps



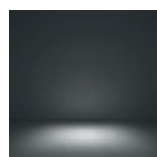
S - Spot
α from 9° to 15°



M - Medium
α from 16° to 25°



F - Flood
α from 26° to 39°



E - Elliptical*



WW - Wall Washer*

LED	12 - 17 - 19 - 23W 32 - 36 - 37 - 46W
QR-CBC 51	50W
QR 111	75W
QT 12 ES	75 - 100W
HIT-TC-CE	20 - 35 - 50 - 70W
HIT-CE	20 - 35 - 50W 70 - 100 - 150W
HST	35 - 50 - 100W

* The Elliptical and Wall Washer optics are obtained by fitting the appropriate accessory.

LED

Energy saving

- **LED Single Chip LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

lumen lm	LED	QR CBC 51 	ENERGY SAVING	QR 111 	ENERGY SAVING	HIT-CE 	ENERGY SAVING
1090	12W	50W	76%	-	-	-	-
3000	32W	3x50W	79%	-	-	-	-
4000	37W	-	-	3x100W	88%	50W	26%

(3000K) LED energy saving compared with conventional lamps

The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space.



Wall washer effect glass

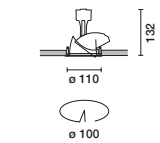


Spill-ring



light source	W*	lm	optic	code	colour
QR CBC 51 (GU5,3)	50W 12V			4264	01-15

IP43 - Class of Insulation III

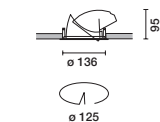


light source	W*	lm	optic	code	colour
QT 12 ES (GY6,35)	75W max 12V		74°	4265	01-15

Class of Insulation III



light source	W*	lm	optic	code	colour
LED Complete with power supply Neutral white Single Chip					
12W	1170	10°	4659	01-15	
12W	1170	24°	4661	01-15	
17W	1790	16°	M350	01-15	
17W	1790	24°	M352	01-15	



light source	W*	lm	optic	code	colour
Warm white Single Chip					
12W	1090	10°	4660	01-15	
12W	1090	24°	4662	01-15	
17W	1660	16°	M351	01-15	
17W	1660	24°	M353	01-15	

light source	W*	lm	optic	code	colour
Warm white Single Chip - CRI 97					
12W	930	10°	MM20	01-15	
12W	930	24°	MM21	01-15	
17W	1420	16°	MM22	01-15	
17W	1420	24°	MM23	01-15	

ENEC 15 approved products



light source	W*	lm	optic	code	colour
LED new Complete with power supply					

Warm white C.o.B.

• 19W	2000	16°	MU39	01
• 19W	2000	36°	MU40	01
• 19W	2000	54°	MU41	01

Warm white C.o.B. - CRI 90

• 23W	1800	16°	MU42	01
• 23W	1800	36°	MU43	01
• 23W	1800	54°	MU44	01

Warm white C.o.B. DALI

• 19W	2000	16°	MU45	01
• 19W	2000	36°	MU46	01
• 19W	2000	54°	MU47	01

Warm white C.o.B. DALI - CRI 90

• 23W	1800	16°	MU48	01
• 23W	1800	36°	MU49	01
• 23W	1800	54°	MU50	01

Class of Insulation II
Available neutral white versions.

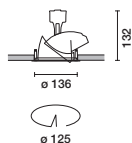
* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



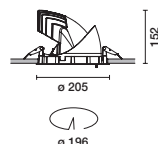
01
WHITE



15
GREY

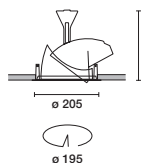
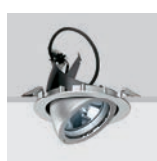


light source	W*	lm	optic	code colour
HIT-TC-CE (G8,5)	Complete with electronic control gear			
	20 W		10°	4278 01-15
	20 W		32°	4279 01-15
	35 W		10°	4266 01-15
	35 W		32°	4267 01-15
	50 W		10°	MC75 01-15
	50 W		32°	MC76 01-15
	70 W		10°	4268 01-15
70 W		32°	4269 01-15	
IP43				
QT 12 ES (GY6,35)	100 W max 12 V		8°	4270 01-15
	100 W max 12 V		38°	4271 01-15
Class of Insulation III				

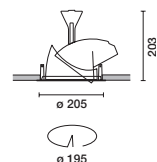


LED new Complete with power supply				
Warm white C.o.B.				
•	32 W	3000	12°	MU51 01
•	32 W	3000	26°	MU52 01
•	32 W	3000	40°	MU53 01
•	37 W	4000	18°	MU63 01
•	37 W	4000	36°	MU64 01
•	37 W	4000	48°	MU65 01
Warm white C.o.B. - CRI 90				
•	32 W	2400	12°	MU54 01
•	32 W	2400	26°	MU55 01
•	32 W	2400	40°	MU56 01
•	46 W	3700	18°	MU66 01
•	46 W	3700	36°	MU67 01
•	46 W	3700	48°	MU68 01
Warm white C.o.B. DALI				
•	32 W	3000	12°	MU57 01
•	32 W	3000	26°	MU58 01
•	32 W	3000	40°	MU59 01
•	37 W	4000	18°	MU69 01
•	37 W	4000	36°	MU70 01
•	37 W	4000	48°	MU71 01
Warm white C.o.B. DALI - CRI 90				
•	36 W	2600	12°	MU60 01
•	36 W	2600	26°	MU61 01
•	36 W	2600	40°	MU62 01
•	46 W	3700	18°	MU72 01
•	46 W	3700	36°	MU73 01
•	46 W	3700	48°	MU74 01

Class of Insulation II
Available neutral white versions.

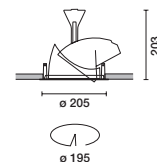


light source	W	h	optic	code colour
QR 111 (G53)	75 W 12 V	173		4276 01-15
	Class of Insulation III			
HST (PG12-1)	35/50/100 W	217	12°	4274 01-15
	35/50/100 W	217	44°	4275 01-15












High-efficiency reflector				
HIT-TC-CE (G8,5)	20/35/70 W		12°	M185 01-15
	20/35/70 W		30°	M186 01-15
HIT-CE (G12)	20/35/50/70/100/150 W		12°	4658 01-15

IP43
We advise against the use of accessories so as to leave the LOR unchanged










Visual comfort reflector				
HIT-CE (G12)	20/35/50/70/150 W		12°	4272 01-15
	20/35/50/70/150 W		38°	4273 01-15
IP43				

Pixel Plus

							
accessories		code	colour	code	colour	code	colour
	Refractor for elliptical distribution	---	---	1191	24 no for LED Single Chip	1192	24 for 4272-4276-4658
						9539	24 for LED C.o.B. version
	Wall washer effect glass	---	---	4494	B7 for 4267-4269-4271 4279-MC76	4495	B7 for 4273-4276
				MXG6	65 for LED C.o.B. version	4496	65 for 4275
				MX60	65 for LED C.o.B. version	MX60	65 for LED C.o.B. version
	Coloured filters	8658	05-06-09 24 65 for 4264	4491	05-06-09 24 for 4266-4267-4270-4271 4278-4279-MC75-MC76	9537	05-06-09 24 for 4272-4273 4276-4658
	UV filter	---	---	4497	24 for HIT-TC-CE	4498	24 for 4272-4273-4658 M185-M186
	Spill-ring	9545	04 for 4265	9546	04 no for LED	9547	04 no for HIT-TC-CE
	Casing for concrete ceilings	9519	00	9548	00 for QT12	9549	00 for 4276

components

		code	colour			code	colour			code	colour
	Electronic control gear for 2x35W HIT Kg. 0,365 - Dim. 175x79,5x32h	4437	00		Control gear complete with capacitor for 35W HIT Kg. 1,450 - Dim. 257x92x70h	4468	00		Control gear complete with capacitor and ignitor with controlled pulses for 35W HIT Kg. 1,450 - Dim. 257x92x70h	4471	00
	Electronic control gear for 20W HIT Kg. 0,320 - Dim. 225x60x37h	9698	00		for 70W HIT Kg. 1,700 - Dim. 257x92x70h	4469	00		for 70W HIT Kg. 1,700 - Dim. 257x92x70h	4472	00
	for 35W HIT Kg. 0,320 - Dim. 225x60x37h	4466	00		for 150W HIT Kg. 2,550 - Dim. 332x110x77h	4470	00		for 150W HIT Kg. 2,550 - Dim. 332x110x77h	4473	00
	for 50W HIT Kg. 0,320 - Dim. 188x83x35h	MWR3	00		Control gear complete with capacitor for 35W HST Kg. 1,550 - Dim. 332x110x77h	4474	00		Electronic safety transformer 10-60W 230/12V St	5581	00
	for 70W HIT Kg. 0,350 - Dim. 185x90x37h	4467	00		for 50W HST Kg. 1,550 - Dim. 332x110x77h	4475	00		35-105W 230/12V St	5583	00
	for 100W HIT Kg. 0,350 - Dim. 224x83x38h	MWR4	00		for 100W HST Kg. 1,950 - Dim. 332x110x77h	4476	00		Electronic safety transformer 50-200W 230/12V Top	5586	00
	for 150W HIT Kg. 0,350 - Dim. 185x90x37h	4465	00						50-200W 230/12V St	5587	00
									20-60W 230/12V St	5584	00
									50-105W 230/12V St	5585	00



Laser

Laser Pixel



Adjustable optic



ø 96

Laser Moon



Adjustable optic



ø 96



ø 100

Laser fixed



Fixed optic



ø 65



ø 65

Adjustable optic



Adjustable optic



Adjustable optic



ø 96



ø 100

Laser Pixel - Laser Moon



Laser Pixel



Laser Moon

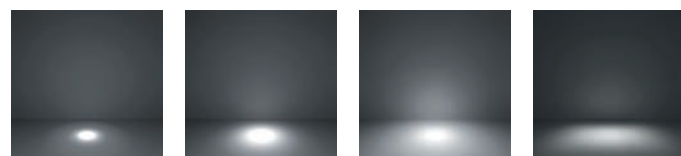
Features



- Recessed installation in false ceilings with 1 to 25 mm.
- Made of die-cast aluminium.
- Galvanised sheet steel terminal board supporting rod.
- Laser Pixel version with double adjustability: external 45° with respect to the horizontal plane and 355° rotation around the vertical axis.
- Laser Moon version with 30° external tilt with respect to the horizontal plane.
- IP20
- IP23 for visible body of fitting after installation.



Optics and lamps



S - Spot
 α from 9° to 15°

M - Medium
 α from 16° to 25°

F - Flood
 α from 26° to 39°

E - Elliptical*

* Elliptical optic is obtained by installing the respective accessories.

QR-CBC 51 50W


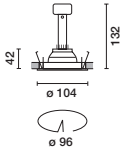
Laser Pixel - Laser Moon

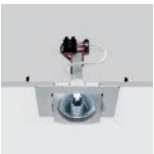
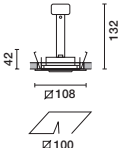



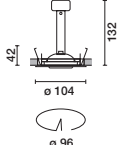
01
WHITE










15
GREY

light source	W	code	colour
	Laser Pixel		
QR CBC51 (GU5,3)	50W 12V	8068	01-15
			



light source	W	code	colour
	Laser Moon		
QR CBC51 (GU5,3)	50W 12V	8059	01-15
			

light source	W	code	colour
	Laser Moon		
QR CBC51 (GU5,3)	50W 12V	8032	01-15
			

accessories

	code	colour
 Refractor for elliptical distribution	8672	24
 Refractor for elliptical distribution	8673	24
 Coloured filters IP43	8658	05-06-09 24 65
 Decorative glass	8670	24
 Decorative glass	8671	24
 Casing for concrete ceilings	8742	00 for 8032-8068
 Adapter for plasterboard false ceilings		
ø 96 mm	8695	00
∅ 100 mm	8694	00
Available in sets of 10 pieces		

components

	code	colour
 Electronic safety transformer		
10-60W 230/12V St	5581	00
35-105W 230/12V St	5583	00
 Electronic safety transformer		
50-200W 230/12V Top	5586	00
50-200W 230/12V St	5587	00
20-60W 230/12V St	5584	00
50-105W 230/12V St	5585	00

Laser fixed - Laser adjustable



Laser fixed
Round and Square Version



Laser adjustable
Round and Square Version

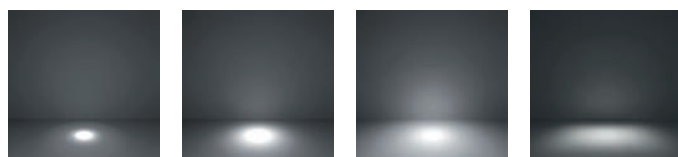
Features



- Recessed installation in false ceilings with 1 to 25 mm.
- Die-cast aluminium body.
- Galvanised sheet steel terminal board supporting rod.
- IP20
- IP23 for visible body of fitting after installation.



Optics and lamps



S - Spot
 α from 9° to 15°

M - Medium
 α from 16° to 25°

F - Flood
 α from 26° to 39°

E - Elliptical*

* Elliptical optic is obtained by installing the respective accessories.

LED	5,7 - 6W
QR-CBC 51	50W

LED

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
50000 h **L70**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving


lumen lm	LED	QT 9	
370	5,7W	20W	71%

(3000K) LED energy saving compared with conventional lamps

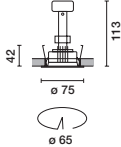



01
WHITE

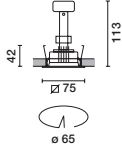

15
GREY



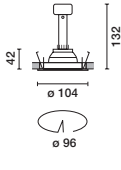

light source	W*	lm	optic	code colour
LED	Laser fixed			
Neutral white				
6 W	390	8°	M314	01-15
6 W	390	24°	M316	01-15
Warm white				
5,7 W	370	6°	M315	01-15
5,7 W	280	26°	M317	01-15
QR CBC 51 (GU5,3)	50 W 12 V			8002 01-15

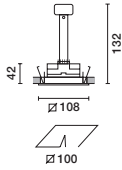
light source	W*	lm	optic	code colour
LED	Laser fixed			
Neutral white				
6 W	390	8°	M318	01-15
6 W	390	24°	M320	01-15
Warm white				
5,7 W	370	6°	M319	01-15
5,7 W	280	26°	M321	01-15
QR CBC 51 (GU5,3)	50 W 12 V			8003 01-15








light source	W*	lm	optic	code colour
LED	Laser adjustable			
Neutral white				
6 W	390	8°	M322	01-15
6 W	390	24°	M324	01-15
Warm white				
5,7 W	370	6°	M323	01-15
5,7 W	280	26°	M325	01-15
QR CBC 51 (GU5,3)	50 W 12 V			8001 01-15




light source	W*	lm	optic	code colour
LED	Laser adjustable			
Neutral white				
6 W	390	8°	M326	01-15
6 W	390	24°	M328	01-15
Warm white				
5,7 W	370	6°	M327	01-15
5,7 W	280	26°	M329	01-15
QR CBC 51 (GU5,3)	50 W 12 V			8000 01-15



accessories

	code	colour
 Refractor for elliptical distribution	8672	24 for 8000-8001-8002-8003
 Refractor for elliptical distribution	8673	24 for 8000-8001-8002-8003
 Coloured filters IP44	8658	05-06-09 24 65 for 8000-8001-8002-8003
 Decorative glass	8670	24 for 8000-8001
 Decorative glass	8671	24 for 8000-8001
 Casing for concrete ceilings	8741	00 for 8002-8003
	8742	00 for 8001
 Adapter for plasterboard false ceilings		
ø 65 mm	8693	00
ø 96 mm	8695	00
∅ 100 mm	8694	00
Available in sets of 10 pieces		

components

	code	colour
 Constant-current LED driver 1,5÷21 W V _{IN} =220-240Vac V _{OUT} max=38Vdc I _{OUT} =600mA	6993	00
 Electronic safety transformer		
10-60 W 230/12 V St	5581	00
35-105 W 230/12 V St	5583	00
 Electronic safety transformer		
50-200 W 230/12 V Top	5586	00
50-200 W 230/12 V St	5587	00
20-60 W 230/12 V St	5584	00
50-105 W 230/12 V St	5585	00

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



Pinhole



Fixed optic



Adjustable optic



Soft Wall Washer optic



Fixed optic



Adjustable optic



Soft Wall Washer optic



ø 75



ø 75



ø 75



ø 78



ø 78



ø 78



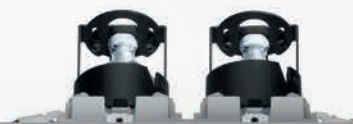
Adjustable optic



Soft Wall Washer optic



158x78



158x78

Pinhole



fixed



adjustable

Features



- Recessed installation in false ceilings with 1 to 20 mm.
- Die-cast aluminium body, thermoplastic material.
- Sheet steel lamp holder bracket.
- Available in fixed, adjustable and soft wall washer versions and with one and two optical assemblies.

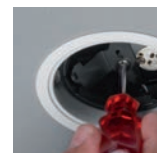
- In the adjustable versions, the rotation of both optical assemblies is 355° around the vertical axis and 30° internally relative to the horizontal plane.
- High visual comfort.
- Installation without tools.
- IP20
- IP23 for visible body of fitting after installation.



Light beam direction indicator



Optic orientation device



Lamp adjustment

Optics and lamps




S - Spot
 α from 9° to 15°

M - Medium
 α from 16° to 25°

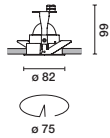

F - Flood
 α from 26° to 39°

SWW - Soft Wall Washer

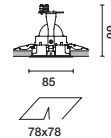

QR-CBC 51 35 - 50W

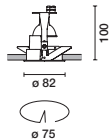

light source	W	code	colour
QR CBC 51 (GU5,3)	Fixed		
	35 W 12 V	M247	01
	* 50 W 12 V		
* Installation of accessories is not possible			

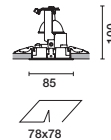
light source	W	code	colour
QR CBC 51 (GU5,3)	Fixed		
	35 W 12 V	MB07	01
	* 50 W 12 V		
* Installation of accessories is not possible			

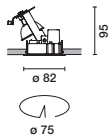

light source	W	code	colour
QR CBC 51 (GU5,3)	Adjustable		
	35 W 12 V	M248	01
	50 W 12 V		

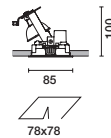

light source	W	code	colour
QR CBC 51 (GU5,3)	Adjustable		
	35 W 12 V	MB08	01
	50 W 12 V		



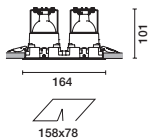


light source	W	code	colour
QR CBC 51 (GU5,3)	Soft wall washer		
	50 W 12 V	MB64	01
It cannot be equipped with accessories.			

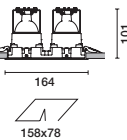
light source	W	code	colour
QR CBC 51 (GU5,3)	Soft wall washer		
	50 W 12 V	MB65	01
It cannot be equipped with accessories.			





light source	W	code	colour
QR CBC 51 (GU5,3)	Orientabile		
	2x50 W 12 V	ML96	01



light source	W	code	colour
QR CBC 51 (GU5,3)	Soft wall washer		
	2x50 W 12 V	ML97	01
It cannot be equipped with accessories.			



accessories

	code	colour
	MW77	24
	MW78	24 65
	MW79	04
	MW6	24

components

	code	colour
	Electronic safety transformer	
	10-60W 230/12V St	5581 00
	35-105W 230/12V St	5583 00
	Electronic safety transformer	
	50-200W 230/12V Top	5586 00
	50-200W 230/12V St	5587 00
	20-60W 230/12V St	5584 00
	50-105W 230/12V St	5585 00

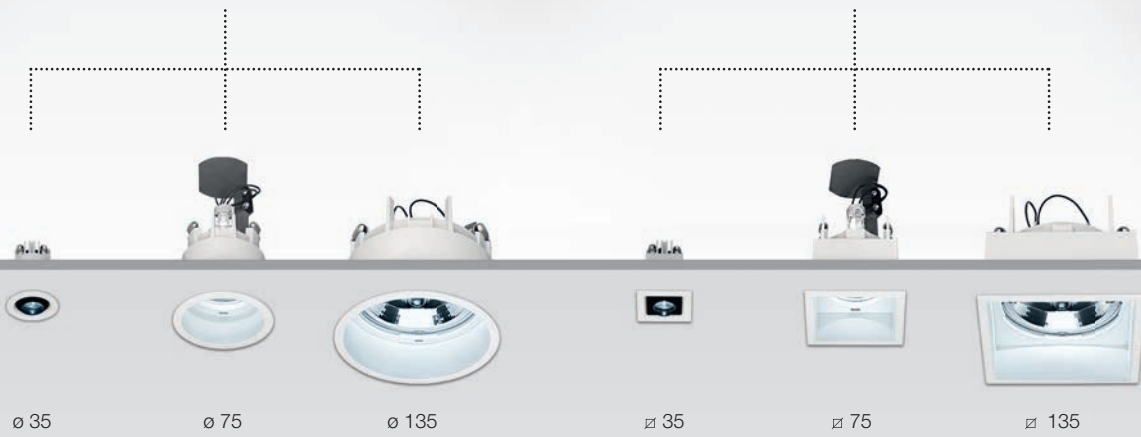


Deep Laser

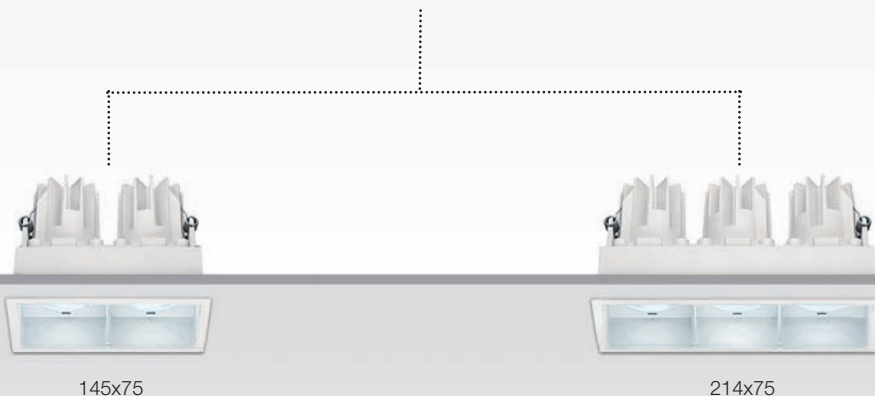
Frame version



Minimal version



The luminaires shown in the upper part have soft lens reflectors



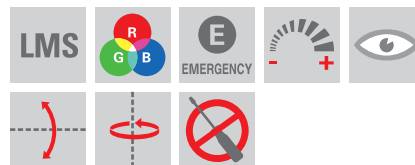
Deep Laser



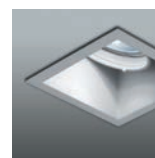
Features



- Recessed installation in false ceilings with 12,5 mm for Minimal versions (without perimeter rim) or from 1 to 25 mm for Frame versions (with rim) using torsion springs.
- Die-cast aluminium body and heat sink.
- Metallised thermoplastic reflectors.
- LED optics in thermoplastic material for spot and medium openings.
- Versions available with electronic control gear, emergency with inverter.
- High visual comfort.
- Installation without tools.
- IP20
- IP23 for visible body of fitting after installation.

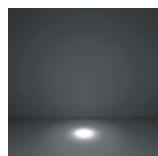


Total safety with spring fixing system

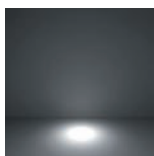


Version with adjustable optic

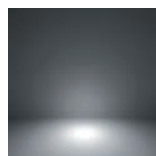
Optics and lamps



S - Spot
 α from 9° to 15°



M - Medium
 α from 16° to 25°



F - Flood
 α from 26° to 39°

LED	1,6 - 3 - 9,3W	QR 111	75W
	13 - 19W	HI-PAR 51 CE	20 - 35W
LED RGB	6W	HIR-111 CE	70W
QR-CBC 51	50W		

LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51 	
640	9,3W	20W	54%
1280	19W	50W	62%

(3000K) LED energy saving compared with conventional lamps



The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space.



Refractor for elliptical distribution



Coloured filters

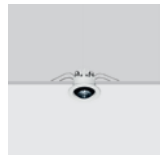


Reflector with soft lens filter for fixed optic

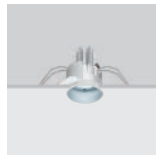


Reflector for fixed optic

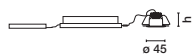
light source	W*	lm	h	optic	code colour
LED	Frame installation				
	Neutral white				
	1,6W	110	32	12°	M934 01
	1,6W	110	32	34°	M935 01
	Warm white				
	1,6W	95	32	12°	M936 01
	1,6W	95	32	34°	M937 01
ENEC 15 approved products Class of Insulation III					



light source	W*	lm	h	optic	code colour
LED	Minimal installation				
	Complete with power supply				
	Neutral white				
	9,3W	640	107	14°	M942 01
	9,3W	640	107	24°	M943 01
	Warm white				
	9,3W	640	107	14°	M944 01
	9,3W	640	107	24°	M945 01
ENEC 15 approved products					



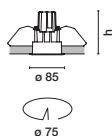
light source	W*	lm	h	optic	code colour
LED	Frame installation				
	Cool white				
	Complete with power supply with inverter				
	3W	100	34	140°	M938 01
	3W	100	34	44°/125°	*MA73 01
3-hour emergency autonomy * Elliptical optic					



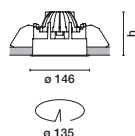
QRCBC51 (GU5,3)	50W 12V				M939 01
	Adjustable optic				
	50W 12V	127			M948 01
	max 36°				
Class of Insulation III					
HI-PAR51-CE (GX10)	Complete with electronic control gear				
	20W	127			M940 01
	35W	127			M941 01
	Adjustable optic				
	Complete with electronic control gear				
	20W	127			M949 01
	35W	127			M950 01
Class of Insulation I					

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



light source	W*	lm	h	optic	code colour
LED	Frame installation				
Complete with power supply					
Neutral white					
9,3W	640	105	14°	M954	01
9,3W	640	105	24°	M955	01
9,3W	640	105	14°	*MA39	01
9,3W	640	105	24°	*MA40	01
Warm white					
9,3W	640	105	14°	M956	01
9,3W	640	105	24°	M957	01
9,3W	640	105	14°	*MA41	01
9,3W	640	105	24°	*MA42	01
ENEC 15 approved products * IP65					
QR CBC 51 (GU5,3)	50 W 12 V	125			M951 01
Adjustable optic					
	50 W 12 V	125			M960 01
max 36°					
IP23 - Class of Insulation III					
HI-PAR51-CE (GX10)	Complete with electronic control gear				
	20 W	125			M952 01
	35 W	125			M953 01
Adjustable optic					
Complete with electronic control gear					
	20 W	125			M961 01
	35 W	125			M962 01
Class of Insulation I					
Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.					



light source	W*	lm	h	optic	code colour
LED	Frame installation				
Complete with power supply					
Neutral white					
19W	1280	88	14°	M977	01
19W	1280	88	24°	M978	01
Neutral white - adjustable optic					
13W	950	103	14°	M983	01
13W	950	103	24°	M984	01
Warm white					
19W	1280	88	14°	M979	01
19W	1280	88	24°	M980	01
Warm white -adjustable optic					
13W	950	103	14°	M985	01
13W	950	103	24°	M986	01
ENEC 15 approved products					
QR 111 (G53)	75 W 12 V	127			M975 01
Adjustable optic					
	75 W 12 V	161			M981 01
Class of Insulation III					
HIR-111-CE (GX8,5)	Complete with electronic control gear				
	70 W	158			M976 01
Adjustable optic					
Complete with electronic control gear					
	70 W	161			M982 01
Class of Insulation I					

accessories

	code	colour	code	colour	code	colour
	---	---	8673	24	MWL7	24
			for QR CBC 51 - HI-PAR 51-CE		for QR 111	
	---	---	8658	05-06-09	MWL8	05-06-09
				24		24
				65		65
			for QR CBC 51 - HI-PAR 51-CE		for QR 111	
	---	---	MWL3	12-14	MWL4	12-14
	---	---	MWL9	12-14	MWMO	12-14

components

	code	colour
	BZA0	00
	for M934-M935-M936-M937	
	5581	00
	5583	00
	5586	00
	5587	00
	5584	00
	5585	00



light source	W*	lm	h	optic	code colour
LED	Frame installation				
	Neutral white				
	1,6W	110	32	12°	M987 01
	1,6W	110	32	34°	M988 01
	Warm white				
	1,6W	95	32	12°	M989 01
	1,6W	95	32	34°	M990 01
	ENEC 15 approved products Class of Insulation III				

light source	W*	lm	h	optic	code colour
LED	Minimal installation				
	Complete with power supply				
	Neutral white				
	9,3W	640	107	14°	M994 01
	9,3W	640	107	24°	M995 01
	Warm white				
	9,3W	640	107	14°	M996 01
	9,3W	640	107	24°	M997 01
	ENEC 15 approved products				

light source	W*	lm	h	optic	code colour
QR CBC 51 (GU5,3)	50W 12V	127			M991 01
	Adjustable optic				
	50W 12V	127			MA00 01
	max 36°				
	Class of Insulation III				

light source	W*	lm	h	optic	code colour
HI-PAR51-CE (GX10)	Complete with electronic control gear				
	20W	127			M992 01
	35W	127			M993 01
	Adjustable optic				
	Complete with electronic control gear				
	20W	127			MA01 01
	35W	127			MA02 01
	Class of Insulation I				

light source	W*	lm	h	optic	code colour
LED	Frame installation				
	Complete with power supply				
	Neutral white				
	9,3W	640	105	14°	*MA06 01
	9,3W	640	105	24°	*MA07 01
	9,3W	640	105	14°	**MA45 01
	9,3W	640	105	24°	**MA46 01
	Warm white				
	9,3W	640	105	14°	*MA08 01
	9,3W	640	105	24°	*MA09 01
	9,3W	640	105	14°	**MA47 01
	9,3W	640	105	24°	**MA48 01

light source	W*	lm	h	optic	code colour
RGB	6W	310	105	14°	MA10 01
	6W	310	105	24°	MA11 01
	6W	310	105	14°	**MA49 01
	6W	310	105	24°	**MA50 01

* ENEC 15 approved products
** IP65

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

light source	W*	lm	h	optic	code colour
QR CBC 51 (GU5,3)	50W 12V	125			MA03 01
	Adjustable optic				
	50W 12V	125			MA12 01
	max 36°				
	IP23 - Class of Insulation III				
HI-PAR51-CE (GX10)	Complete with electronic control gear				
	20W	125			MA04 01
	35W	125			MA05 01


light source	W*	lm	h	optic	code colour
	Adjustable optic				
	Complete with electronic control gear				
	20W	125			MA13 01
	35W	125			MA14 01
	Class of Insulation I				


light source	W*	lm	h	optic	code colour
LED	Frame installation				
	Complete with power supply				
	Neutral white				
	19W	1280	88	14°	MA29 01
	19W	1280	88	24°	MA30 01
	Neutral white - adjustable optic				
	13W	950	103	14°	MA35 01
	13W	950	103	24°	MA36 01
	Warm white				
	19W	1280	88	14°	MA31 01
	19W	1280	88	24°	MA32 01
	Warm white - adjustable optic				
	13W	950	103	14°	MA37 01
	13W	950	103	24°	MA38 01
	ENEC 15 approved products				

light source	W*	lm	h	optic	code colour
QR 111 (G53)	75W 12V	127			MA27 01
	Adjustable optic				
	75W 12V	161			MA33 01
	IP23 - Class of Insulation III				


light source	W*	lm	h	optic	code colour
HIR-111-CE (GX8,5)	Complete with electronic control gear				
	70W	158			MA28 01
	Adjustable optic				
	Complete with electronic control gear				
	70W	161			MA34 01
	Class of Insulation I				




light source	W*	lm	h	optic	code colour
	LED Complete with dimmable electronic power supply				
	Neutral white				
	19 W	1280	105	24°	ML54 01
	Warm white				
	19 W	1280	105	14°	ML55 01
	19 W	1280	105	24°	ML56 01




155x85




145x75








224x85







214x75

light source	W*	lm	h	optic	code colour
	LED Complete with dimmable electronic power supply				
	Neutral white				
	28 W	1920	105	24°	ML57 01
	Warm white				
	28 W	1920	105	14°	ML58 01
	28 W	1920	105	24°	ML59 01

accessories	code	colour
 35x35		
 82x82 75x75 145x75 214x75		
 135x135		

components	code	colour
 Electronic power supply 20W - IP20 VIN=110-240Vac VOUT MAX=42Vdc IOUT=500mA	BZA0	00 for M934-M935-M936 M937-M987-M988 M989-M990
 Electronic safety transformer		
10-60W 230/12V St	5581	00
35-105W 230/12V St	5583	00
 Electronic safety transformer		
50-200W 230/12V Top	5586	00
50-200W 230/12V St	5587	00
20-60W 230/12V St	5584	00
50-105W 230/12V St	5585	00

	code	colour	code	colour	code	colour
 Refractor for elliptical distribution	---	---	8673	24 for QR CBC 51 - HI-PAR 51-CE	MWL7	24 for QR 111
 Coloured filters	---	---	8658	05-06-09 24 65 for QR CBC 51 - HI-PAR 51-CE	MWL8	05-06-09 24 65 for QR 111
 Reflector with soft lens filter IP44 for fixed optic	---	---	MWL5*	12-14	MWL6	12-14
 Reflector for fixed optic	---	---	MWM1*	12-14	MWM5	12-14

* Each accessory code applies to a single optical compartment.

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

Express Evo

design Jean Michel Wilmotte



ø 64




ø 114



ø 180



ø 240

The dimensions ø \varnothing relate to the hole recessed 



Features



- Recessed installation in false ceilings with 12,5 mm for Minimal versions (without perimeter rim) or from 1 to 30 mm for Frame versions (with rim) using torsion springs.
- Die-cast aluminium body and thermoplastic material.
- Opti Beam reflectors with high luminous efficiency and uniform distribution.
- 65° internal adjustability, 355° rotation around the vertical axis, with mechanical aiming lock.
- Versions with medium and large body are provided with mechanical locking mechanisms for rotation around vertical and horizontal planes.
- LED optics with plastic lenses for Spot, Medium and Flood light beams.
- LED versions available with RGB dynamic colour change and biodynamic light, compatible with light management systems.
- Installation without tools.
- IP20
- IP23 for visible body of fitting after installation.



Compact size

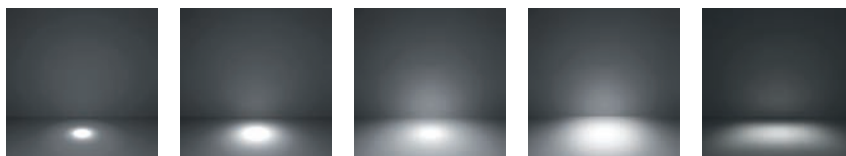


Set back lamp



Locking mechanism

Optics and lamps



- S** - Spot
 α from 9° to 15°
- M** - Medium
 α from 16° to 25°
- F** - Flood
 α from 26° to 39°
- WF** - Wide-Flood
 α from 40° to 60°
- E** - Elliptical*

LED	2 - 6 - 17 - 30 - 32W
LED RGB	6W

* Elliptical optic is obtained by installing the respective accessories.



01
WHITE



15
GREY

LED

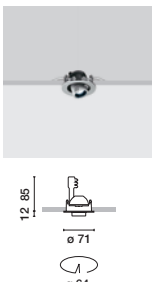
Energy saving

- LED Single Chip
- Colour stability
Mac Adam <3
- Life
50000 h L80
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

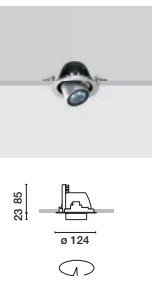
lumen lm	LED	QT 9 		QR CBC 51 	
410	6W	20W	80%	-	-
2000	17W	-	-	2x50W	83%
3100	32W	-	-	3x50W	79%

(3000K) LED energy saving compared with conventional lamps

light source	W*	lm	optic	code colour
LED		Neutral white		
	2W	150	12°	MS41 01-15
	2W	150	34°	MS43 01-15
		Warm white		
	2W	140	12°	MS42 01-15
	2W	140	34°	MS44 01-15

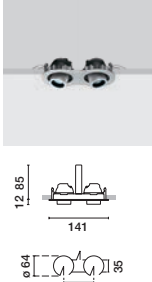


light source	W*	lm	optic	code colour
LED		Neutral white		
	6W	440	6°	MS45 01-15
	6W	440	22°	MS47 01-15
		Warm white		
	6W	410	6°	MS46 01-15
	6W	410	22°	MS48 01-15
		RGB DALI		
	6W	450	28°	MS49 01-15

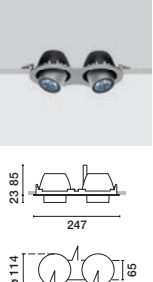


ENEC 15 approved products
DALI versions occupy 3 addresses

light source	W*	lm	optic	code colour
LED		Neutral white		
	2x2W	150	12°	MS50 01-15
	2x2W	150	34°	MS52 01-15
		Warm white		
	2x2W	140	12°	MS51 01-15
	2x2W	140	34°	MS53 01-15

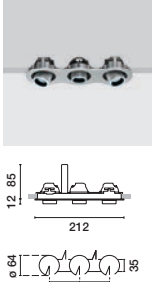


light source	W*	lm	optic	code colour
LED		Complete with power supply		
		Neutral white		
	2x6W	440	6°	MS58 01-15
	2x6W	440	22°	MS60 01-15
		Warm white		
	2x6W	410	6°	MS59 01-15
	2x6W	410	22°	MS61 01-15
		RGB DALI		
	2x6W	225	28°	MS62 01-15

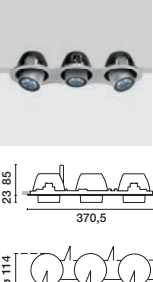


DALI versions occupy 3 addresses

light source	W*	lm	optic	code colour
LED		Neutral white		
	3x2W	150	12°	MS54 01-15
	3x2W	150	34°	MS56 01-15
		Warm white		
	3x2W	140	12°	MS55 01-15
	3x2W	140	34°	MS57 01-15



light source	W*	lm	optic	code colour
LED		Complete with power supply		
		Neutral white		
	3x6W	440	6°	MS63 01-15
	3x6W	440	22°	MS65 01-15
		Warm white		
	3x6W	410	6°	MS64 01-15
	3x6W	410	22°	MS66 01-15
		RGB DALI		
	3x6W	225	28°	MS67 01-15



DALI versions occupy 3 addresses

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions

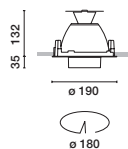
* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



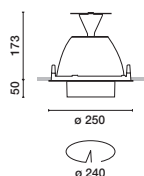
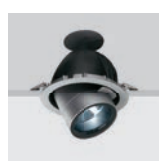
01
WHITE



15
GREY



light source	W*	lm	optic	code	colour
LED	Complete with power supply				
Neutral white					
19W	2100	16°	MK88	01-15	
19W	2100	22°	MK89	01-15	
19W	2100	38°	MK90	01-15	
19W	2100	54°	MK91	01-15	
Warm white					
19W	2000	16°	MS01	01-15	
19W	2000	22°	MS02	01-15	
19W	2000	38°	MS03	01-15	
19W	2000	54°	MS04	01-15	
Warm white - CRI 90					
19W	1600	16°	MS09	01-15	
19W	1600	22°	MS10	01-15	
19W	1600	38°	MS11	01-15	
19W	1600	54°	MS12	01-15	
Neutral white DALI					
19W	2100	16°	MK92	01-15	
19W	2100	22°	MK93	01-15	
19W	2100	38°	MR99	01-15	
19W	2100	54°	MS00	01-15	
Warm white DALI					
19W	2000	16°	MS05	01-15	
19W	2000	22°	MS06	01-15	
19W	2000	38°	MS07	01-15	
19W	2000	54°	MS08	01-15	
Warm white DALI - CRI 90					
19W	1600	16°	MS13	01-15	
19W	1600	22°	MS14	01-15	
19W	1600	38°	MS15	01-15	
19W	1600	54°	MS16	01-15	



light source	W*	lm	optic	code	colour
LED	Complete with power supply				
Neutral white					
32W	3100	12°	MS17	01-15	
30W	3400	22°	MS18	01-15	
30W	3400	38°	MS19	01-15	
30W	3400	48°	MS20	01-15	
Warm white					
32W	3100	12°	MS25	01-15	
30W	3400	22°	MS26	01-15	
30W	3400	38°	MS27	01-15	
30W	3400	48°	MS28	01-15	
Warm white - CRI 90					
32W	2200	12°	MS33	01-15	
30W	2400	22°	MS34	01-15	
30W	2400	38°	MS35	01-15	
30W	2400	48°	MS36	01-15	
Neutral white DALI					
32W	3100	12°	MS21	01-15	
30W	3400	22°	MS22	01-15	
30W	3400	38°	MS23	01-15	
30W	3400	48°	MS24	01-15	
Warm white DALI					
32W	3100	12°	MS29	01-15	
30W	3400	22°	MS30	01-15	
30W	3400	38°	MS31	01-15	
30W	3400	48°	MS32	01-15	
Warm white DALI - CRI 90					
32W	2200	12°	MS37	01-15	
30W	2400	22°	MS38	01-15	
30W	2400	38°	MS39	01-15	
30W	2400	48°	MS40	01-15	

Class of Insulation I

accessories



64



114



180



240

	code	colour	code	colour	code	colour	code	colour
Refractor for elliptical distribution	---	---	MW32	24	1191	24	---	---
Antiglare screen	6910	04	6936	04	MW51	04	MW52	04

components

	code	colour		code	colour
Constant-current LED driver 1,5÷21 W VIN=220-240Vac Vout max=38Vdc Iout=600mA Min 1x(3x2) LED Max 3x(3x2) LED	6993	00	Driver group for recessed RGB DALI 220-240 Vac - Includes DALI 500/600mA interface and 30 W 28Vdc electronic ballast. - Can connect up to 9 LED RGB - Occupies 3 DALI addresses	SP07	00

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

**DER NEUE BMW i8.
DER SPORTWAGEN DER ZUKUNFT.**
THE ALL-NEW BMW i8.
THE MOST PROGRESSIVE SPORTS CAR.



Frame

design G. Aulenti - P. Castiglioni



Features



- Recessed installation in false ceilings with 12,5 mm for Minimal versions (without perimeter rim) or from 1 to 30 mm for Frame versions (with rim) using torsion springs.
- Die-cast aluminium optical assemblies, metal outer rim, painted sheet steel lamp holder unit.
- Optical assemblies of die-cast aluminium equipped with articulated joints and mechanical locking devices for +/- 45° inclination with respect to the horizontal and vertical axes.
- Versions with high-performance LEDs with warm white and neutral white monochromatic emission; available with passive dissipation (with lamellar radiator). Complete with DALI power supply.
- Versions with reflector with high luminous efficiency.
- LED versions with high color rendering index >90.
- IP20
- IP23 for visible body of fitting after installation.



Range

Frame

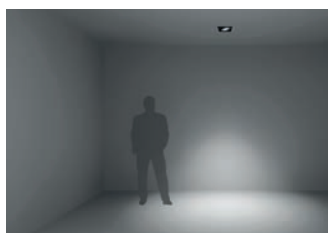


Optical diffusers

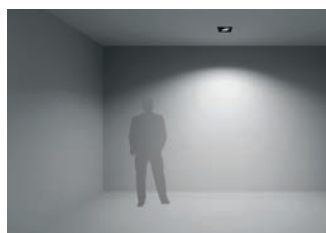
By simply installing these refractors you can vary the light cone angle without having to change the luminaire.

The product without diffuser has a spot optic.

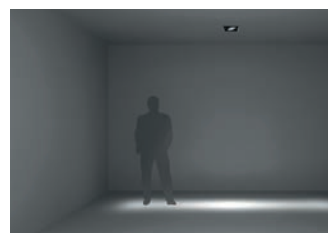
For more flexible lighting, install different optical diffusers on the same luminaire.



M - Medium



F - Flood



E - Elliptical





Optics and lamps



S - Spot
α from 9° to 15°
M - Medium
α from 16° to 25°
F - Flood
α from 26° to 39°
E - Elliptical*

* Elliptical optic is obtained by installing the respective accessories.

LED <small>PASSIVE DISSIPATION</small>	5,8 - 6,2 - 18W	HIT-TC-CE	20 - 35 - 70W
QR-CBC 51	50W	HIR-111 CE	35 - 70W
QR 111	75W	HI-PAR 51 CE	35W
HIT-CE	35 - 70W		

LED

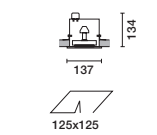
Energy saving

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

lumen lm	LED	QR CBC 51	
1800	18W	2x50W	82%

(3000K) LED energy saving compared with conventional lamps

light source	W*	lm	optic	code colour
LED				
Neutral white	6,2W	370	24°	M344 01
Warm white	5,8W	270	26°	M345 01

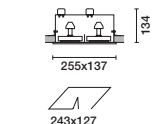


QR CBC 51 (GU5,3)	50W 12V	8857 01
-----------------------------	----------------	----------------

HI-PAR51-CE (GX10)	Complete with electronic control gear 35W	M340 01
------------------------------	---	----------------

Class of Insulation I

light source	W*	lm	optic	code colour
LED				
Neutral white Complete with power supply	2x6,2W	370	24°	M346 01
Warm white Complete with power supply	2x5,8W	270	26°	M347 01

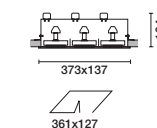


QR CBC 51 (GU5,3)	2x50W 12V	8859 01
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HI-PAR51-CE (GX10)	Complete with electronic control gear 2x35W	M341 01
------------------------------	---	----------------

Class of Insulation I

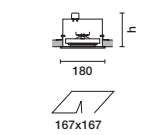
light source	W*	lm	optic	code colour
LED				
Neutral white	3x5,8W	270	26°	M348 01



Electric cables that are necessary for operation of the fittings with discharge lamps are contained in the special power supply groups (to be ordered separately).

light source	W*	lm	h	optic	code colour
LED					
Passive dissipation Complete with DALI power supply Neutral white	18W	1900	110	46°	MF55 01
Warm white	18W	1800	110	14°	MF56 01
	18W	1800	110	30°	MF57 01
	18W	1800	110	46°	MF58 01
Warm white - CRI>90	18W	1500	110	14°	MF59 01
	18W	1500	110	30°	MF60 01

Class of Insulation II



QR 111 (G5,3)	75W 12V	134	8877 01
-------------------------	----------------	------------	----------------

HIT-TC-CE (G8,5)	35/70W	224	42°	4244 01
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HIT-CE (G12)	35/70W	224	56°	4245 01
------------------------	---------------	------------	------------	----------------


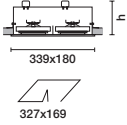

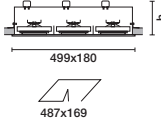



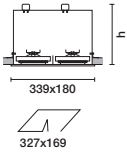

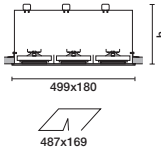






HIR-111-CE (GX8,5)	35/70W	184	5872 01
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light source	W*	lm	h	optic	code colour
High-efficiency reflector					
HIT-TC-CE (G8,5)	20/35/70W	224	12°	M190 01	
	20/35/70W	224	30°	M191 01	

We advise against the use of accessories so as to leave the LOR unchanged
Class of Insulation I

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



	light source	W*	lm	h	optic	code colour		light source	W*	lm	h	optic	code colour		
 	LED							LED							
	Passive dissipation							 	Complete with DALI power supply						
	Neutral white								Neutral white						
	2x18 W 1900								3x18 W 1900						
	110 46° MF61 01								110 46° MF67 01						
	Warm white								Warm white						
	2x18 W 1800								3x18 W 1800						
	110 14° MF62 01								110 14° MF68 01						
	2x18 W 1800								3x18 W 1800						
	110 30° MF63 01								110 30° MF69 01						
2x18 W 1800							3x18 W 1800								
110 46° MF64 01							110 46° MF70 01								
Warm white - CRI>90							Warm white - CRI>90								
2x18 W 1500							3x18 W 1500								
110 14° MF65 01							110 14° MF71 01								
2x18 W 1500							3x18 W 1500								
110 30° MF66 01							110 30° MF72 01								
IP20 - Class of Insulation II							IP20 - Class of Insulation II								
	QR 111 (G53)	2x75 W 12V	134			8879 01		QR 111 (G53)	3x75 W 12V	134			8881 01		
 	HIT-TC-CE (G8,5)	2x35/70 W	224	42°		4247 01	 	HIR-111-CE (GX8,5)	3x35/70 W	224			M196 01		
	HIT-CE (G12)	2x35/70 W	224	56°		4248 01		HIT-TC-CE (G8,5)	2x70 W (HIT-TC-CE)	224	42°		4250 01		
	HIR-111-CE (GX8,5)	2x35/70 W	184			5873 01		+75 W (QR 111)							
	High-efficiency reflector								QR 111 (G53)	70 W (HIT-TC-CE)	224	42°		4253 01	
	HIT-TC-CE (G8,5)	2x20/35/70 W	224	12°		M192 01	+2x75 W (QR 111)								
	HIT-TC-CE (G8,5)	2x20/35/70 W	224	30°		M193 01	HIT-CE (G12)		2x70 W (HIT-CE)	224	56°		4251 01		
We advise against the use of accessories so as to leave the LOR unchanged							We advise against the use of accessories so as to leave the LOR unchanged								
Class of Insulation I							Class of Insulation I								
	HI-PAR 30-CE (E27)	2x70 W (HI-PAR30-CE)	224			4252 01		QR 111 (G53)	70 W (HIT-CE)	224	56°		4254 01		
								+2x75 W (QR 111)							
									HIT-TC-CE (G8,5)	3x20/35/70 W	224	12°		M194 01	
Class of Insulation I							Class of Insulation I								
	HIT-TC-CE (G8,5)	3x20/35/70 W	224	12°		M194 01		HIT-TC-CE (G8,5)	3x20/35/70 W	224	30°		M195 01		
We advise against the use of accessories so as to leave the LOR unchanged							We advise against the use of accessories so as to leave the LOR unchanged								
Class of Insulation I							Class of Insulation I								

Electric cables that are necessary for operation of the fittings with discharge lamps are contained in the special power supply groups (to be ordered separately).

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

Frame









125x125
243x127
361x127










167x167
327x169
487x169

accessories

	code	colour	code	colour
 Refractor for elliptical distribution	8766	24	1191	24
	for QR CBC 51		no for LED	
 Optical diffuser for LED medium	---	---	MXG3	24
 Optical diffuser for LED flood	---	---	MXG4	24
 Optical diffuser for LED elliptical	---	---	MXG5	24
 Coloured filters	8753	05-06-09 65	8754	05-06-09 65
	for QR CBC 51		no for LED	
 Louvre	8775	04	---	---
	for QR CBC 51			

components

	code	colour
 Constant-current LED driver 1,5÷21 W V _{IN} =220-240Vac V _{OUT} max=38Vdc I _{OUT} =600mA	6993	00
 Electronic control gear for 2x35W HIT Kg. 0,365 - Dim. 175x79,5x32h	4437	00
 Electronic control gear for 20W HIT Kg. 0,320 - Dim. 225x60x37h	9698	00
	4466	00
	4467	00
 Control gear complete with capacitor for 35W HIT Kg. 1,450 - Dim. 257x92x70h	4468	00
	4469	00
 Control gear complete with capacitor and ignitor with controlled pulses for 35W HIT Kg. 1,450 - Dim. 257x92x70h	4471	00
	4472	00
 Electronic safety transformer 10-60W 230/12V St	5581	00
	5583	00
 Electronic safety transformer 50-200W 230/12V Top	5586	00
	5587	00
	5584	00
	5585	00

Deep Frame - Deep Minimal



Deep Frame



Deep Minimal

Features



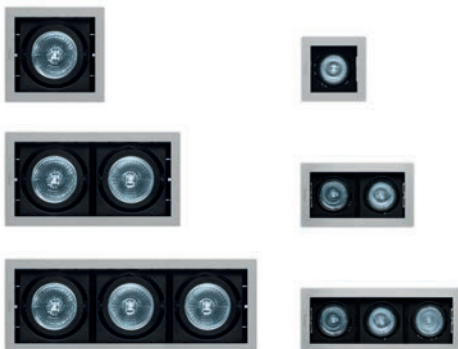
- Recessed installation in false ceilings with 12,5 mm for Deep Minimal versions (without perimeter rim) or from 1 to 30 mm for Deep Frame versions (with rim) using torsion springs.
- Die-cast aluminium optical assemblies, metal outer rim, painted sheet steel lamp holder unit.
- Versions with high-performance LEDs with warm white and neutral white monochromatic emission;

- available with passive dissipation (with lamellar radiator). Complete with DALI power supply.
- Versions with reflector with high luminous efficiency.
- LED versions with high color rendering index >90
- Installation without tools.
- IP20
- IP23 for visible body of fitting after installation.

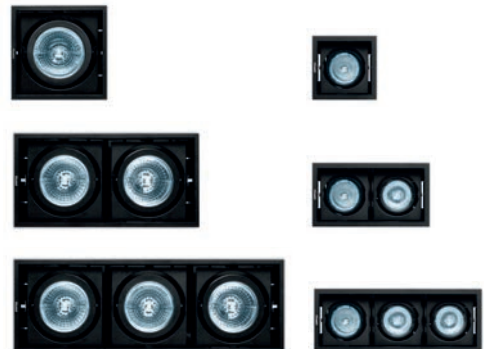


Range

Deep Frame



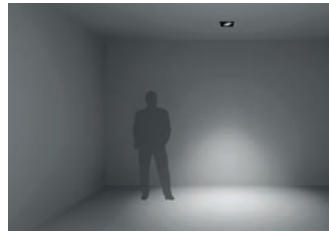
Deep Minimal



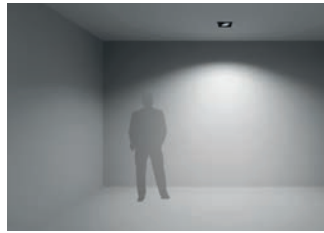
Deep Frame - Deep Minimal

Optical diffusers

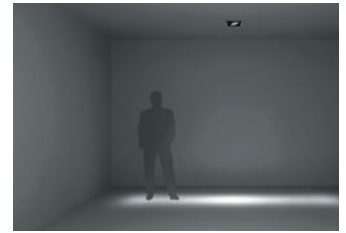
By simply installing these refractors you can vary the light cone angle without having to change the luminaire.
The product without diffuser has a spot optic.
 For more flexible lighting, install different optical diffusers on the same luminaire.



M - Medium



F - Flood



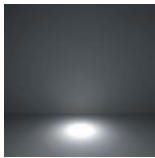
E - Elliptical



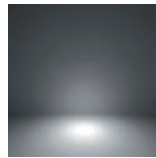
Optics and lamps



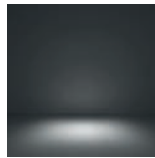
S - Spot
 α from 9° to 15°



M - Medium
 α from 16° to 25°



F - Flood
 α from 26° to 39°



E - Elliptical*

LED <small>PASSIVE DISSIPATION</small>	5,9 - 6,2 - 19W	HIT-CE	35 - 70W
HIT-CE	20W	HIR-111 CE	35 - 70W
QR-CBC 51	50W	HIT-TC-CE	35 - 70W
QR 111	75W	HI-PAR 51 CE	35W

* Elliptical optic is obtained by installing the respective accessories.

LED

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
 50000 h **L80**
- Color temperature:
 Neutral white **4000K**
 Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51 	
1900	19W	2x50W	81%

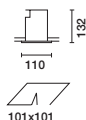
(3000K) LED energy saving compared with conventional lamps



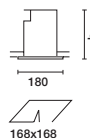
01
WHITE



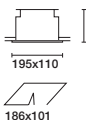
74
GREY/BLACK



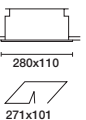
light source	W*	lm	h	optic	code colour
LED Warm white Complete with power supply	6,2W	330		26°	2693 01-74
QR CBC 51 (GU5,3)	50W 12V				2689 01-74
Class of Insulation III					
HI-PAR51-CE (GX10)	Complete with electronic control gear				
	35W				2690 01-74
HIT-CE (PGJ5)	Complete with electronic control gear				
	20W		72°		2691 01-74



light source	W*	lm	h	optic	code colour
LED Passive dissipation Complete with DALI power supply					
Neutral white	19W	2000	120	46°	MG39 01-74
Warm white	19W	1900	120	14°	MG40 01-74
	19W	1900	120	30°	MG41 01-74
	19W	1900	120	46°	MG42 01-74
Warm white - CRI>90	19W	1600	120	14°	MG43 01-74
	19W	1600	120	30°	MG44 01-74



LED Warm white Complete with power supply	2x6,2W	330		26°	2698 01-74
QR CBC 51 (GU5,3)	2x50W 12V				2694 01-74
Class of Insulation III					
HI-PAR51-CE (GX10)	Complete with electronic control gear				
	2x35W				2695 01-74
HIT-CE (PGJ5)	Complete with electronic control gear				
	2x20W		72°		2696 01-74



LED Warm white Complete with power supply	3x6,2W	330	132	26°	2954 01-74
QR CBC 51 (GU5,3)	3x50W 12V	142			2950 01-74
Class of Insulation III					
HI-PAR51-CE (GX10)	Complete with electronic control gear				
	3x35W		132		M197 01-74
HIT-CE (PGJ5)	Complete with electronic control gear				
	2x20W		132	72°	2952 01-74
QR CBC 51 (GU5,3)	+50W 12V (QR CBC 51)				

QR 111 (G53)	75W		122		2955 01-74
Class of Insulation III					
HIT-CE (G12)	35/70W		197	60°	2957 01-74
HIR-111-CE (GX8,5)	35/70W		197		2958 01-74

High-efficiency reflector

HIT-TC-CE (G8,5)	20/35/70W		197	12°	M198 01-74
	20/35/70W		197	30°	M199 01-74

We advise against the use of accessories so as to leave the LOR unchanged

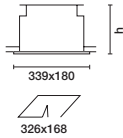
Electric cables that are necessary for operation of the fittings with discharge lamps are contained in the special power supply groups (to be ordered separately).



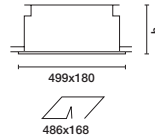
01
WHITE



74
GREY/BLACK












light source	W*	lm	h	optic	code colour
LED	Passive dissipation				
	Complete with DALI power supply				
	Neutral white				
	2x19W 2000	120	46°	MG45	01-74
	Warm white				
	2x19W 1900	120	14°	MG46	01-74
	2x19W 1900	120	30°	MG47	01-74
	2x19W 1900	120	46°	MG48	01-74
	Warm white - CRI>90				
	2x19W 1600	120	14°	MG49	01-74
	2x19W 1600	120	30°	MG50	01-74
	Class of Insulation II				
QR 111 (G53)	2x75W	122		2959	01-74
	Class of Insulation III				
HIT-CE (G12)	2x35/70W	197	60°	2961	01-74
HIR-111-CE (GX8,5)	2x35/70W	197		2962	01-74
	High-efficiency reflector				
HIT-TC-CE (G8,5)	2x20/35/70W	197	12°	M200	01-74
	2x20/35/70W	197	30°	M201	01-74
	We advise against the use of accessories so as to leave the LOR unchanged				



light source	W*	lm	h	optic	code colour
LED	Passive dissipation				
	Complete with DALI power supply				
	Neutral white				
	3x19W 2000	120	46°	MG51	01-74
	Warm white				
	3x19W 1900	120	14°	MG52	01-74
	3x19W 1900	120	30°	MG53	01-74
	3x19W 1900	120	46°	MG54	01-74
	Warm white - CRI>90				
	3x19W 1600	120	14°	MG55	01-74
	3x19W 1600	120	30°	MG56	01-74
	Class of Insulation II				
QR 111 (G53)	3x75W	122		2963	01-74
	Class of Insulation III				
HIR-111-CE (GX8,5)	3x35/70W	197		M204	01-74
HIT-CE (G12)	2x35/70W	197	60°	2965	01-74
	+ 75W (QR 111)				
QR 111 (G53)	2x75W	197		2966	01-74
	+35/70W (HIT-CE G12)	60°			
HIR-111-CE (GX8,5)	2x35/70W	197		2967	01-74
	+ 75W (QR 111)				
	High-efficiency reflector				
HIT-TC-CE (G8,5)	3x20/35/70W	197	12°	M202	01-74
	3x20/35/70W	197	30°	M203	01-74
	We advise against the use of accessories so as to leave the LOR unchanged				

Electric cables that are necessary for operation of the fittings with discharge lamps are contained in the special power supply groups (to be ordered separately).

Deep Frame

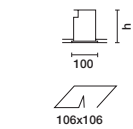
accessories	101x101 186x101 271x101		168x168 326x168 486x168		components		
	code	colour	code	colour		code	colour
 Optical diffuser for LED medium flood elliptical	---	---	MXG3	24	 Electronic control gear for 2x35W HIT Kg. 0,365 - Dim. 175x79,5x32h	4437	00
 Coloured filters Not for use with HI-PAR 51-CE lamps. Maximum 35 W output for QR CBC 51.	---	---	MXG4	24	 Electronic control gear for 20W HIT Kg. 0,320 - Dim. 225x60x37h	9698	00
			MXG5	24	for 35W HIT Kg. 0,320 - Dim. 225x60x37h	4466	00
			8754	05-06-09 65	for 70W HIT Kg. 0,350 - Dim. 185x90x37h	4467	00
 Antiglare screen	2998	01 04	2999	01 04	 Control gear complete with capacitor for 35W HIT Kg. 1,450 - Dim. 257x92x70h	4468	00
					for 70W HIT Kg. 1,700 - Dim. 257x92x70h	4469	00
					 Control gear complete with capacitor and ignitor with controlled pulses for 35W HIT Kg. 1,450 - Dim. 257x92x70h	4471	00
					for 70W HIT Kg. 1,700 - Dim. 257x92x70h	4472	00
					 Electronic safety transformer 10-60W 230/12V St	5581	00
					35-105W 230/12V St	5583	00
					 Electronic safety transformer 50-200W 230/12V Top	5586	00
					50-200W 230/12V St	5587	00
					20-60W 230/12V St	5584	00
					50-105W 230/12V St	5585	00



01
WHITE

04
BLACK

light source	W*	lm	h	optic	code colour
LED	Warm white Complete with power supply				
	5,9W	330	132	26°	2664 01-04
QR CBC 51 (GU5,3)	50W 12V		132		2660 01-04

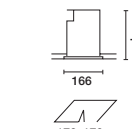


Class of Insulation III

HI-PAR51-CE (GX10)	Complete with electronic control gear				
	35W		132		2661 01-04

HIT-CE (PGJ5)	Complete with electronic control gear				
	20W		132	72°	2662 01-04

light source	W*	lm	h	optic	code colour
LED	Passive dissipation				
Complete with DALI power supply					
Neutral white					
	19W	2000	120	46°	MG21 01-04



Warm white					
	19W	1900	120	14°	MG22 01-04
	19W	1900	120	30°	MG23 01-04
	19W	1900	120	46°	MG24 01-04

Warm white - CRI>90					
	19W	1600	120	14°	MG25 01-04
	19W	1600	120	30°	MG26 01-04

Class of Insulation II

QR 111 (G5,3)	75W		122		2675 01-04
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Class of Insulation III

HIT-CE (G12)	35/70W		197	60°	2677 01-04
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HIR-111-CE (GX8,5)	35/70W		197		2678 01-04
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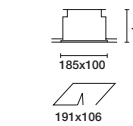
High-efficiency reflector

HIT-TC-CE (G8,5)	20/35/70W		197	12°	M206 01-04
	20/35/70W		197	30°	M207 01-04



We advise against the use of accessories so as to leave the LOR unchanged

light source	W*	lm	h	optic	code colour
LED	Warm white Complete with power supply				
	2x5,9W	30	132	26°	2669 01-04
QR CBC 51 (GU5,3)	2x50W 12V		132		2665 01-04

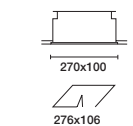


Class of Insulation III

HI-PAR51-CE (GX10)	Complete with electronic control gear				
	2x35W		132		2666 01-04

HIT-CE (PGJ5)	Complete with electronic control gear				
	2x20W		132	72°	2667 01-04

light source	W*	lm	h	optic	code colour
LED	Warm white Complete with power supply				
	3x5,9W	330	132	26°	2674 01-04
QR CBC 51 (GU5,3)	3x50W 12V		132		2670 01-04



Class of Insulation III

HI-PAR51-CE (GX10)	Complete with electronic control gear				
	3x35W		132		M205 01-04

HIT-CE (PGJ5)	Complete with electronic control gear				
	2x20W (HIT-CE)		132	72°	2672 01-04

QR CBC 51 (GU5,3)	+50W 12V (QR CBC 51)				
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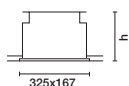
Electric cables that are necessary for operation of the fittings with discharge lamps are contained in the special power supply groups (to be ordered separately).



01
WHITE

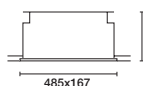


04
BLACK



light source	W*	lm	h	optic	code colour
LED	Passive dissipation				
Complete with DALI power supply					
Neutral white					
2x19W 2000	120	46°	MG27	01-04	
Warm white					
2x19W 1900	120	14°	MG28	01-04	
2x19W 1900	120	30°	MG29	01-04	
2x19W 1900	120	46°	MG30	01-04	
Warm white - CRI>90					
2x19W 1600	120	14°	MG31	01-04	
2x19W 1600	120	30°	MG32	01-04	
Class of Insulation II					
QR 111 (G53)	2x75W	122	2679	01-04	
Class of Insulation III					
HIT-CE (G12)	2x35/70W	197	60°	2681	01-04
HIR-111-CE (GX8,5)	2x35/70W	197		2682	01-04
High-efficiency reflector					
HIT-TC-CE (G8,5)	2x20/35/70W	197	12°	M208	01-04
	2x20/35/70W	197	30°	M209	01-04




We advise against the use of accessories so as to leave the LOR unchanged









light source	W*	lm	h	optic	code colour
LED	Passive dissipation				
Complete with DALI power supply					
Neutral white					
3x19W 2000	120	46°	MG33	01-04	
Warm white					
3x19W 1900	120	14°	MG34	01-04	
3x19W 1900	120	30°	MG35	01-04	
3x19W 1900	120	46°	MG36	01-04	
Warm white - CRI>90					
3x19W 1600	120	14°	MG37	01-04	
3x19W 1600	120	30°	MG38	01-04	
Class of Insulation II					
QR 111 (G53)	3x75W	122	2683	01-04	
Class of Insulation III					
HIR-111-CE (GX8,5)	3x35/70W	197		M212	01-04
HIT-CE (G12)	2x35/70W	197	60°	2685	01-04
	+ 75W (QR 111)				
QR 111 (G53)	2x75W	197		2686	01-04
	+ 35/70W (HIT-CE G12) 60°				
HIR-111-CE (GX8,5)	2x35/70W	197		2687	01-04
	+ 75W (QR 111)				
High-efficiency reflector					
HIT-TC-CE (G8,5)	3x20/35/70W	197	12°	M210	01-04
	3x20/35/70W	197	30°	M211	01-04

We advise against the use of accessories so as to leave the LOR unchanged

Deep Minimal

	106x106 191x106 276x106		173x173 331x173 491x173	
	code	colour	code	colour
 Optical diffuser for LED				
medium	---	---	MXG3	24
flood	---	---	MXG4	24
elliptical	---	---	MXG5	24
 Coloured filters	---	---	8658	05-06-09
Not for use with HI-PAR 51-CE lamps. Maximum 35 W output for QR CBC 51.				65
 Antiglare screen	2998	01 04	2999	01 04
Installation system for false ceilings with cross-sections of 15 mm				
for version with 1 optical assembly	2992	00	2995	00
for version with 2 optical assemblies	2993	00	2996	00
for version with 3 optical assemblies	2994	00	2997	00

components

	code	colour
 Electronic control gear for 2x35W HIT Kg. 0,365 - Dim. 175x79,5x32h	4437	00
 Electronic control gear for 20W HIT Kg. 0,320 - Dim. 225x60x37h	9698	00
for 35W HIT Kg. 0,320 - Dim. 225x60x37h	4466	00
for 70W HIT Kg. 0,350 - Dim. 185x90x37h	4467	00
 Control gear complete with capacitor for 35W HIT Kg. 1,450 - Dim. 257x92x70h	4468	00
for 70W HIT Kg. 1,700 - Dim. 257x92x70h	4469	00
 Control gear complete with capacitor and ignitor with controlled pulses for 35W HIT Kg. 1,450 - Dim. 257x92x70h	4471	00
for 70W HIT Kg. 1,700 - Dim. 257x92x70h	4472	00
 Electronic safety transformer 10-60W 230/12V St	5581	00
35-105W 230/12V St	5583	00
 Electronic safety transformer 50-200W 230/12V Top	5586	00
50-200W 230/12V St	5587	00
20-60W 230/12V St	5584	00
50-105W 230/12V St	5585	00



Spotlights

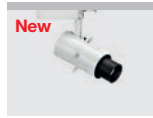
Spotlights



162 Palco
LED



166 Palco
wall washer
LED



168 Palco
framer
LED



168 Palco
framer
LED



172 Le Perroquet
LED



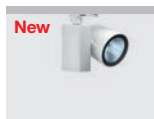
178 Front Light
LED



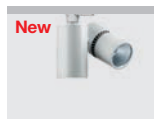
184 Tecnica
LED



188 Tecnica Pro
LED



192 iShop
LED



194 iSight
LED



198 Sydecar
LED



202 Primopiano
wall washer
LED



204 Primopiano
LED



209 Cestello
LED



206 Tilt
LED



214 Cerchio



214 Zoom

Tracks



216 iDuo



218 Standard
track



220 Recessed
tracks



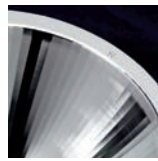
222 Mini Limelight

Spotlights and tracks

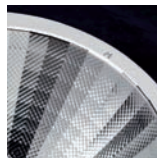
Opti Beam - Patent Pending



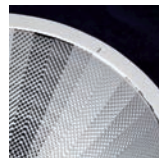
The lenticular surface of the reflectors can improve light distribution without reducing optical performance and therefore luminaire efficiency.



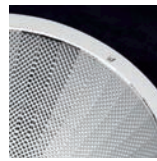
Spot



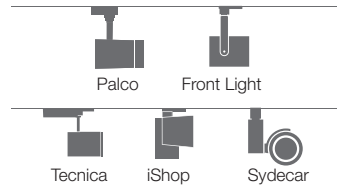
Medium



Flood



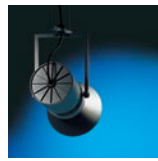
Wide Flood



Coloured filters



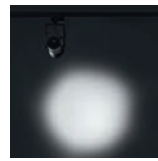
The luminaire/coloured filters combination uses colours to emphasise spaces and objects.



Soft Lens filter



The use of this filter allows for softening the borders of the light cone. Versions with CRI > 80/90 are available.



with filter



without filter

Warmtone filter



It corrects the colour temperature, making the most of objects that need warm tones.



Product with Warmtone



Coldtone filter



Ideal for lighting and showing off cool-coloured objects.



Product with Coldtone

IR/UV filter



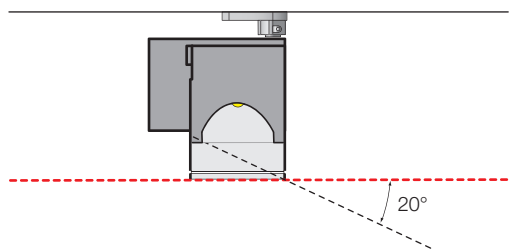
These filters reduce and control ultraviolet (UV) and infrared (IR) rays.



Visual comfort



The set back position of the lamps and the optical accessories supplied prevent glare and provide a high level of visual comfort.



Spotlights and tracks

CRI Color Rendering Index

HIGH CRI Retail and museum areas need lighting that is carefully crafted and precisely enhances the colours of metals, fabrics or works of art.



LED CRI 80
Warm, comfortable light to exalt gold and jewels. Ideal for jewellery shops.




LED CRI > 90
The chromatic rendering index makes the artificial light spectrum very similar to daylight.

DALI protocol

DALI Digital Adressable Lighting Interface
This technology allows both energy saving and the possibility of customised lighting.




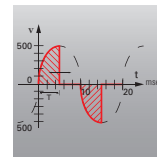
Dimmer

 On-board electronic adjustment device for controlling and modulating the intensity of the lamp light flow.




IGBT

 Phase cut-off with sine wave cutting at the trailing edge.



Focusing



 Device for adjusting light beam angle, for precise lighting control.



Used with the Spot optic it allows the beam of light to be focused.


The Flood optic changes the width of the beam of light (HAL and QT12 versions).

Adjustability

 The spot/floodlights can rotate about the vertical axis and be angled relative to the horizontal plane. The degrees vary depending on the luminaire.




Locking mechanism and graduated scale

 This system allows more precise adjustment of the angle of the luminaire, keeping the direction of the beam of light stationary and stable.



Palco

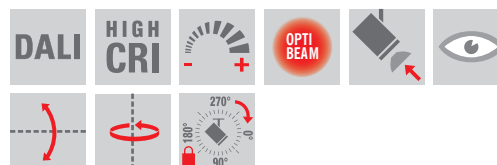
design Artec3 Studio



Features

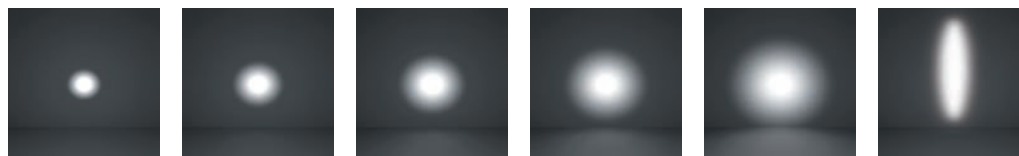


- Installation on three-phase track and on a ceiling-mounted base.
- Made of die-cast aluminium and thermoplastic material.
- Opti Beam interchangeable reflectors with high luminous efficiency and uniform distribution.
- LED versions with high color rendering index.
- High visual comfort.
- Inclination of 90° on horizontal plane and 360° rotation around the vertical axis, with mechanical aiming lock.
- C.o.B LED versions with passive dissipation.
- Complete with safety glass.



Superspot optic

Optics and lamps



SS - Superspot $\alpha < 8^\circ$ **S** - Spot α from 9° to 15° **M** - Medium α from 16° to 25° **F** - Flood α from 26° to 39° **WF** - Wide Flood α from 40° to 60° **E** - Elliptical*

* Elliptical optic is obtained by installing the respective accessories.

LED	4 - 11 - 17 - 19W
	25 - 28 - 29 - 30W
	32 - 44 - 47 - 55W

LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life **50000 h L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

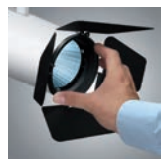
lumen lm	LED	QR CBC 51	ENERGY SAVING	HIT-CE	ENERGY SAVING
1260	19W	50W	62%	-	-
3000	29W	3x50W	81%	-	-
5000	47W	-	-	70W	32%

(3000K) LED energy saving compared with conventional lamps

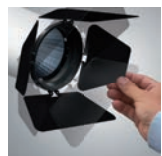
The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space. The use of screens eliminates possible glare or stray light, guaranteeing a high level of visual comfort.



Accessory holder ring



External accessories installation without tools



External accessories with rotation up to 360°



Accessory-holder ring

Refractor for elliptical distribution **medium**



Refractor for elliptical distribution **wide**



Soft Lens filter



Louvre



Antiglare screen



Directional flaps



Interchangeable reflectors

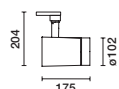




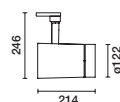
01
WHITE



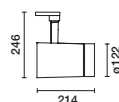
04
BLACK



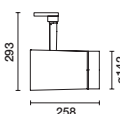
light source	W*	lm	optic	code colour
LED new	Neutral white complete with dimmer			
	19W	1490	10°	MJ66 01-04
	19W	1490	16°	MJ67 01-04
	19W	1490	29°	MJ69 01-04
	19W	1490	38°	MJ68 01-04
	Warm white complete with dimmer - CRI 90			
	4W	330	6°	N208 01-04
	19W	1260	10°	MJ70 01-04
	19W	1260	16°	MJ71 01-04
	19W	1260	29°	MJ73 01-04
	19W	1260	38°	MJ72 01-04
	Neutral white DALI			
	19W	1490	10°	MT30 01-04
	19W	1490	16°	MT31 01-04
	19W	1490	29°	MT32 01-04
	19W	1490	38°	MT33 01-04
	Warm white DALI - CRI 90			
	4W	330	6°	N209 01-04
	19W	1260	10°	MT34 01-04
	19W	1260	16°	MT35 01-04
	19W	1260	29°	MT36 01-04
	19W	1260	38°	MT37 01-04



light source	W*	lm	optic	code colour
LED new	Neutral white DALI			
	17W	2000	10°	MT38 01-04
	17W	2000	18°	MT39 01-04
	17W	2000	28°	MT40 01-04
	17W	2000	42°	MT41 01-04
	30W	3000	10°	MT50 01-04
	30W	3000	18°	MT51 01-04
	30W	3000	28°	MT52 01-04
	30W	3000	42°	MT53 01-04
	Warm white DALI			
	17W	2000	10°	MT42 01-04
	17W	2000	18°	MT43 01-04
	17W	2000	28°	MT44 01-04
	17W	2000	42°	MT45 01-04
	30W	3000	10°	MT54 01-04
	30W	3000	18°	MT55 01-04
	30W	3000	28°	MT56 01-04
	30W	3000	42°	MT57 01-04
	Warm white DALI - CRI 90			
	11W	790	6°	N211 01-04
	25W	2000	10°	MT46 01-04
	25W	2000	18°	MT47 01-04
	25W	2000	28°	MT48 01-04
	25W	2000	42°	MT49 01-04
	32W	2400	10°	MT58 01-04
	32W	2400	18°	MT59 01-04
	32W	2400	28°	MT60 01-04
	32W	2400	42°	MT61 01-04



light source	W*	lm	optic	code colour
LED new	Neutral white complete with dimmer			
	17W	2000	10°	MJ78 01-04
	17W	2000	18°	MJ79 01-04
	17W	2000	28°	MJ80 01-04
	17W	2000	42°	MJ81 01-04
	29W	3000	10°	MJ90 01-04
	29W	3000	18°	MJ91 01-04
	29W	3000	28°	MJ92 01-04
	29W	3000	42°	MJ93 01-04
	Warm white complete with dimmer			
	17W	2000	10°	MJ82 01-04
	17W	2000	18°	MJ83 01-04
	17W	2000	28°	MJ84 01-04
	17W	2000	42°	MJ85 01-04
	29W	3000	10°	MJ94 01-04
	29W	3000	18°	MJ95 01-04
	29W	3000	28°	MJ96 01-04
	29W	3000	42°	MJ97 01-04
	Warm white complete with dimmer - CRI 90			
	11W	790	6°	N210 01-04
	25W	2000	10°	MJ86 01-04
	25W	2000	18°	MJ87 01-04
	25W	2000	28°	MJ88 01-04
	25W	2000	42°	MJ89 01-04
	34W	2600	10°	MJ98 01-04
	34W	2600	18°	MJ99 01-04
	34W	2600	28°	MK00 01-04
	34W	2600	42°	MK01 01-04
	Warm white complete with dimmer - CRI>95			
	28W	1300	19°	MK02 01-04
	28W	1300	30°	MK03 01-04
	28W	1300	39°	MK04 01-04



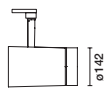
light source	W*	lm	optic	code colour
LED new	Neutral white			
	47W	5000	16°	MK18 01-04
	47W	5000	30°	MK19 01-04
	47W	5000	48°	MK20 01-04
	Warm white			
	47W	5000	16°	MK22 01-04
	47W	5000	30°	MK23 01-04
	47W	5000	48°	MK24 01-04
	Warm white - CRI 90			
	19W	1380	6°	N212 01-04
	55W	4300	16°	MK26 01-04
	55W	4300	30°	MK27 01-04
	55W	4300	48°	MK28 01-04
	Neutral white DALI			
	44W	5000	16°	MT65 01-04
	44W	5000	30°	MT66 01-04
	44W	5000	48°	MT67 01-04
	Warm white DALI			
	47W	5000	16°	MT68 01-04
	47W	5000	30°	MT69 01-04
	47W	5000	48°	MT70 01-04
	Warm white DALI - CRI 90			
	19W	1380	6°	N213 01-04
	47W	4100	16°	MT71 01-04
	47W	4100	30°	MT72 01-04
	47W	4100	48°	MT73 01-04

Superspot versions (α=6°) are CRI 97.
See your instruction manual for the exact number of accessories that may be installed. DALI spotlights are provided with a special adapter and are only compatible with iguzzini DALI tracks.

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

Palco

accessories



	code	colour	code	colour	code	colour
Refractor for elliptical distribution medium wide	MXB7	24	MXB8	24	MXB9	24
	MXC0	24	MXC1	24	MXC2	24
"Soft Lens" filter	MXD8	24	MXD9	24	MXE0	24
Louvre	MXF0	04	MXF1	04	MXF2	04
Antiglare screen	MXF3	04-47	MXF4	04-47	MXF5	04-47
Directional flaps	MXF6	04	MXF7	04	MXF8	04
Ceiling base	8773	01-04	8773	01-04	---	---
Ceiling base DALI	MW30	01-04	MW30	01-04	---	---
Recessed base	8902	01-04	8902	01-04	---	---
Recessed base DALI Hole for installation 108 mm	MW31	01-04	MW31	01-04	---	---
Cover for adapter IP40	6854	01-04	6854	01-04	6854	01-04
	code (α)	colour	code (α)	colour	code (α)	colour
Interchangeable reflectors for LED	spot	MX82 (10°)	12	MX90 (10°)	12	---
	medium	MX83 (16°)	12	MX91 (18°)	12	MXA6 (16°)
	flood	MX85 (29°)	12	MX92 (28°)	12	MXA7 (30°)
	wide flood	MX84 (38°)	12	MX93 (42°)	12	MXA8 (48°)
Interchangeable reflectors for LED - CRI>95	spot	---	---	MX94 (19°)	12	---
	medium	---	---	MX95 (30°)	12	---
	flood	---	---	MX96 (39°)	12	---

Palco wall washer

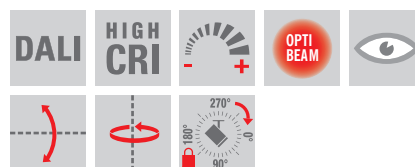
design Artec3 Studio



Features



- Installation on three-phase track and on a ceiling-mounted base.
- Made of die-cast aluminium and thermoplastic material.
- Inclination of 90° on horizontal plane and 360° rotation around the vertical axis, with mechanical aiming lock.
- Complete with asymmetrical wall-washer screen for a uniform wall washing effect from the top down.
- Reflectors in superpure mirrored aluminium with special faceting that improves the distribution of the light beam (Opti Beam).
- Passive heat dissipation.



LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51	ENERGY SAVING	HIT-CE	ENERGY SAVING
1260	19W	50W	62%	-	-
3000	29W	3x50W	81%	-	-
5000	47W	-	-	70W	32%

(3000K) LED energy saving compared with conventional lamps



01
WHITE

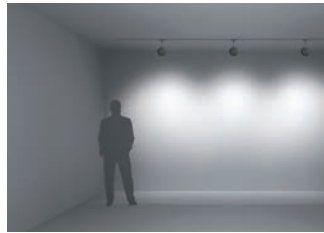
04
BLACK

Optic

The innovative wall washer optic (patented) has been designed to homogeneously light walls without areas of shadow in the space close to the ceiling.



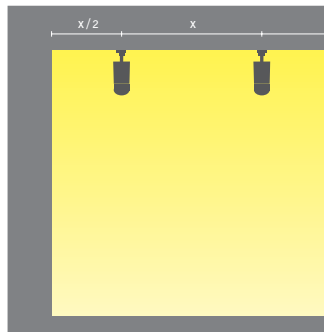
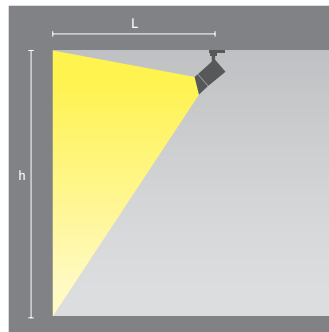
Palco Wall Washer



Traditional Wall Washer

Correct installation

The table shows the correct installation distances for uniform lighting on the wall.



code	x _{max} (m)	L (m)	h (m)
MR55 - MR56 MT74 - MT75	0,7	0,8	2,7
MR58 - MR59 - MR60 MT76 - MT77 - MT78	0,9	1	
MR64 - MT82	0,8		
MR61 - MR62 - MR63 MR67 - MR68 - MR69 MT79 - MT80 - MT81 MT83 - MT84 - MT85	1		



light source	W*	lm	code colour
LED			
Neutral white complete with dimmer			
19W	1490	MR55	01-04
Warm white complete with dimmer - CRI 90			
19W	1260	MR56	01-04
Neutral white DALI			
19W	1490	MT74	01-04
Warm white DALI - CRI 90			
19W	1260	MT75	01-04



light source	W*	lm	code colour
LED			
Neutral white			
47W	5000	MR67	01-04
Warm white			
47W	5000	MR68	01-04
Warm white - CRI 90			
55W	4300	MR69	01-04
Neutral white DALI			
44W	5000	MT83	01-04
Warm white DALI			
47W	5000	MT84	01-04
Warm white DALI - CRI 90			
47W	4100	MT85	01-04



light source	W*	lm	code colour
LED			
Neutral white complete with dimmer			
17W	2000	MR58	01-04
29W	3000	MR61	01-04
Warm white complete with dimmer			
17W	2000	MR59	01-04
29W	3000	MR62	01-04
Warm white complete with dimmer - CRI 90			
25W	2000	MR60	01-04
34W	2600	MR63	01-04
Neutral white DALI			
17W	2000	MT76	01-04
30W	3000	MT79	01-04
Warm white DALI			
17W	2000	MT77	01-04
30W	3000	MT80	01-04
Warm white DALI - CRI 90			
25W	2000	MT78	01-04
32W	2400	MT81	01-04
Warm white - CRI>95			
28W	1300	MR64	01-04
Warm white DALI - CRI>95			
28W	1300	MT82	01-04

accessories

	code	colour	code	colour
Ceiling base	8773	01-04	8773	01-04
Ceiling base DALI	MW30	01-04	MW30	01-04
Recessed base	8902	01-04	8902	01-04
Recessed base DALI	MW31	01-04	MW31	01-04
Hole for installation 108 mm				
Cover for adapter IP40	6854	01-04	6854	01-04

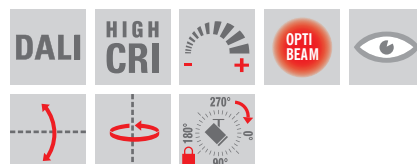
* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



Features



- Installation on three-phase track.
- Made of die-cast aluminium.
- Inclination of +10° - 90° on horizontal plane and 360° rotation around the vertical axis, with mechanical aiming lock.
- Framers with metal gobo \varnothing 30 - \varnothing 40 mm.
- Small body version: the metal wings used to adjust and shape the light beam are in external position; 360° rotation of the optical assembly with respect to the optical axis.
- Medium body version: the metal wings used to adjust and shape the light beam are in internal position.
- All aiming, focusing and routine maintenance operations can be carried out without using tools.
- Possibility of ordering as accessories: iris with opening from 2.5 to 40 mm for emission of circular light beams; customized gobo made of chemically cut metal; 24x36 mm slides (medium body only).



Focusing



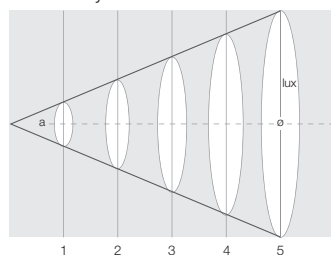
Extractable accessory support (small body)



Mechanical lock and graduated scale

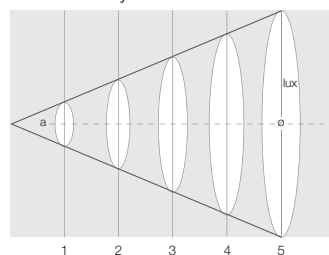
Lighting design values

Small body



m	\varnothing 30 ($\alpha = 19$)		\varnothing 40 ($\alpha = 26$)	
	\varnothing	lux	\varnothing	lux
1	-	-	0,45	5377
2	0,68	1563	0,91	1314
3	1,02	674	1,36	589
4	1,36	385	1,82	329
5	1,70	242	2,27	211

Medium body



m	\varnothing 30 ($\alpha = 19$)		\varnothing 40 ($\alpha = 26$)	
	\varnothing	lux	\varnothing	lux
1	0,34	7702	0,45	6552
2	0,68	1926	0,91	1638
3	1,02	856	1,36	728
4	1,36	481	1,82	409
5	1,70	308	2,27	262

Photometric data refer to the Metal gobo (\varnothing 30 and \varnothing 40) supplied with the luminaire.

Palco framer

Components

Single-body compact shaper spotlight. A telecentric optics system for maximum system efficiency.

Mechanical aiming lock

360° rotation around the vertical axis

Dimmer

360° rotation around the optical axis

Focusing

Shaper

Mechanical aiming lock

360° rotation around the vertical axis

Dimmer

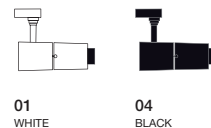
Focusing

Shaper | Metal gobo

No stray light

The Palco framer's closed body guarantees that there are no reflections on the ceiling.

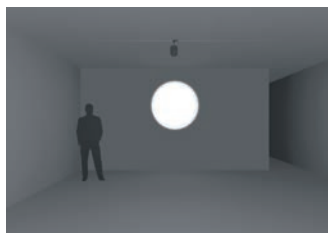




Lighting effect

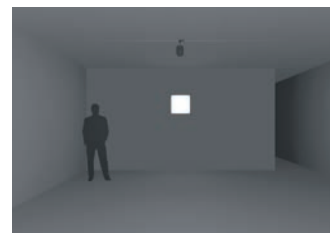
Metal gobo

Available in two different diameters, it is integrated with the product to produce circular shapes.



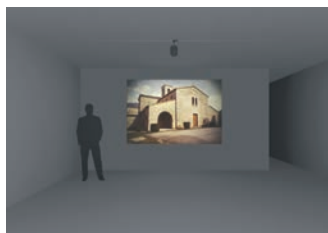
Shaper

Integrated in the product, for creating square or rectangular shapes with variable sides.



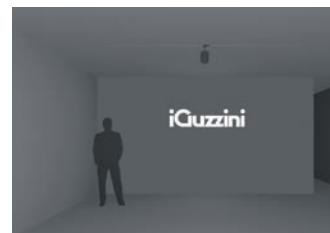
Slide

The accessory allows the use of slides. Only for medium body.



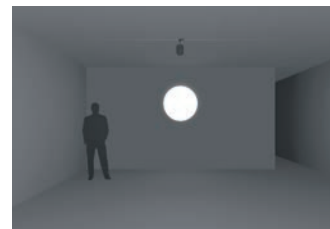
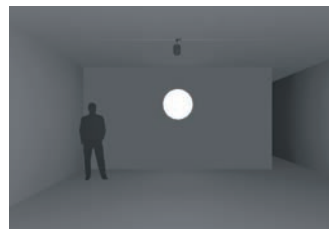
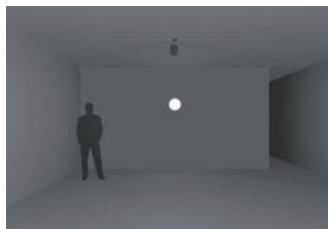
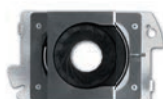
Customized Gobo

Ideal for producing text, logos or customized images (on request) on walls.



Iris

The accessory allows the creation of different sized circular light beams.



light source	W*	lm	code colour
LED new	Warm white complete with dimmer - CRI 90		
•	21 W	1900	MXJ0 01-04
	Warm white DALI - CRI 90		
•	21 W	1900	MXJ1 01-04

Complete with ø 30 - ø 40 mm Metal gobo and Shaper

light source	W*	lm	code colour
LED	Warm white complete with dimmer - CRI 90		
	29 W	2500	MR98 01-04
	Warm white DALI - CRI 90		
	29 W	2500	MT86 01-04

Complete with ø 30 - ø 40 mm Metal gobo and Shaper

accessories

	code colour
Iris	MXJ2 00 for MXJ0-MXJ1
Support for slide 24x36	MXQ0 00 for MR98-MT86
Support complete with iris	MXQ1 00 for MR98-MT86

Liberec Regional Gallery - Liberec, Czech Republic
 Architectural project: Atelier SIAL - Karel Novotný, Jiří Buček
 Lighting project: Etna s.r.o - Photo: Petr Janžura



Le Perroquet

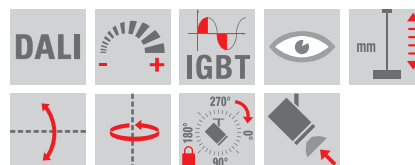
design Piano Design



Features

   IP20 (IP40 with optional glass)

- Installation on three-phase/DALI track and on a ceiling-mounted base.
- Made of die-cast aluminium and thermoplastic material.
- High visual comfort.
- Inclination of 90° on horizontal plane and 360° rotation around the vertical axis, with mechanical aiming lock.
- The luminaires include a dimmable electronic transformer and are made using IGBT technology.
- Pendant versions with cables equipped with millimetric regulation system.
- C.o.B. LED versions with passive dissipation.
- Complete with safety glass.



Versions

Le Perroquet is available in versions:

- wall/ceiling-mounted
- track suspension
- suspension with base



track suspension



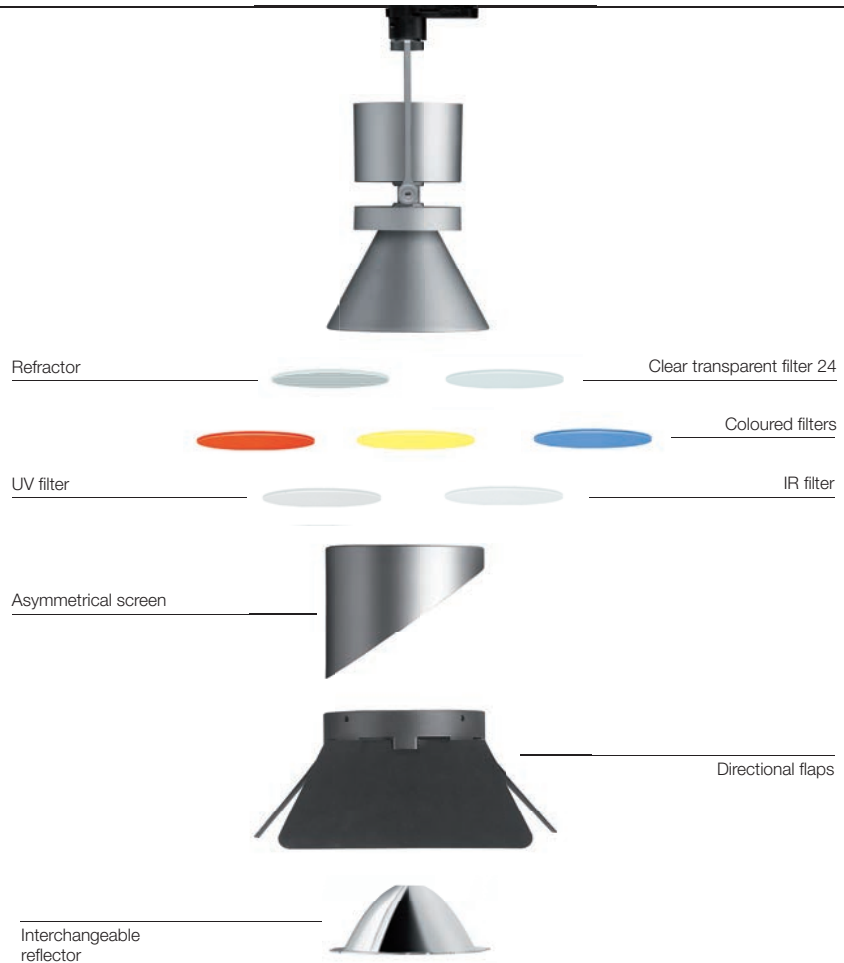
suspension with base



wall/ceiling mounted

Le Perroquet

The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space. The use of screens eliminates possible glare or stray light, guaranteeing a high level of visual comfort.

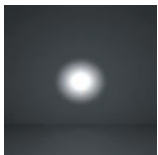


External accessories installation without tools

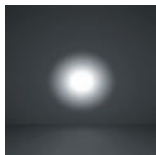


External accessories with rotation up to 360°

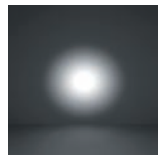
Optics and lamps



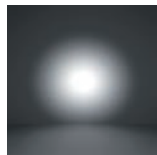
S - Spot
α from 9° to 15°



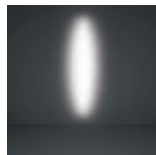
M - Medium
α from 16° to 25°



F - Flood
α from 26° to 39°



WF - Wide Flood
α from 40° a 60°



E - Elliptical*

	LED	17 - 30 - 38W
	QR-CBC 51	50W
	QR 111	50 - 75W
	HIT-CE	70W

* Elliptical optic is obtained by installing the respective accessory.

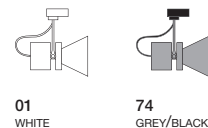
LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

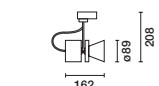
lumen lm	LED	QR CBC 51 		HIT-CE 	
2000	17W	2x50W	83%	-	-
4200	38W	-	-	70W	46%

(3000K) LED energy saving compared with conventional lamps

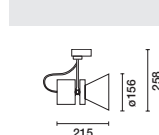


spotlight

light source	W*	lm	optic	code colour
QR CBC51 (GU5.3)	Electronic complete with dimmer			
	50 W 12 V			4870 01-74



light source	W*	lm	optic	code colour
LED	Neutral white complete with dimmer			
	30 W	3000	20°	MR19 01-74
	30 W	3000	36°	MR20 01-74



30 W	3000	48°	MR21 01-74
Warm white complete with dimmer			
30 W	3000	20°	MR22 01-74
30 W	3000	36°	MR23 01-74
30 W	3000	48°	MR24 01-74

Warm white complete with dimmer - CRI 90			
30 W	2600	20°	MR25 01-74
30 W	2600	36°	MR26 01-74
30 W	2600	48°	MR27 01-74

Neutral white DALI			
17 W	2000	20°	MR28 01-74
17 W	2000	36°	MR29 01-74
17 W	2000	48°	MR30 01-74

Warm white DALI			
17 W	2000	20°	MR31 01-74
17 W	2000	36°	MR32 01-74
17 W	2000	48°	MR33 01-74

Warm white DALI - CRI 90			
17 W	1600	20°	MR34 01-74
17 W	1600	36°	MR35 01-74
17 W	1600	48°	MR36 01-74

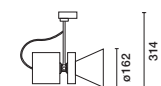
light source	W*	lm	optic	code colour
QR 111 (G53)	Electronic complete with dimmer			
	50 W 12 V			4871 01-74



75 W 12 V			4872 01-74
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DALI spotlights are provided with a special adapter and are only compatible with iGuzzini DALI tracks.

light source	W*	lm	optic	code colour
LED	Neutral white			
	38 W	4200	18°	MT98 01-74
	38 W	4200	32°	MT99 01-74



38 W	4200	42°	MU00 01-74
Warm white			
38 W	4200	18°	MU01 01-74
38 W	4200	32°	MU02 01-74
38 W	4200	42°	MU03 01-74

Warm white - CRI 90			
38 W	3800	18°	MU04 01-74
38 W	3800	32°	MU05 01-74
38 W	3800	42°	MU06 01-74

Neutral white DALI			
38 W	4200	18°	MU07 01-74
38 W	4200	32°	MU08 01-74
38 W	4200	42°	MU09 01-74

Warm white DALI			
38 W	4200	18°	MU10 01-74
38 W	4200	32°	MU11 01-74
38 W	4200	42°	MU12 01-74

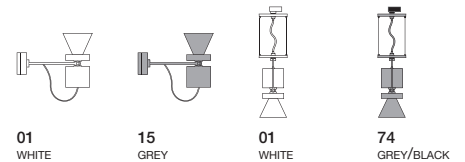
Warm white DALI - CRI 90			
38 W	3800	18°	MU13 01-74
38 W	3800	32°	MU14 01-74
38 W	3800	42°	MU15 01-74

light source	W*	lm	optic	code colour
HIT-CE (G12)	Electronic			
	70 W		18°	4826 01-74

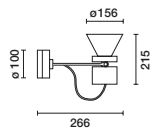


IP40 for optical assembly
Complete with safety glass and power factor correction capacitor

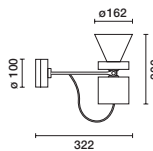
Le Perroquet



wall/ceiling-mounted



light source	W*	lm	optic	code colour
LED	Neutral white complete with dimmer			
30W	3000	20°	MR01	01-15
30W	3000	36°	MR02	01-15
30W	3000	48°	MR03	01-15
Warm white complete with dimmer				
30W	3000	20°	MR04	01-15
30W	3000	36°	MR05	01-15
30W	3000	48°	MR06	01-15
Warm white complete with dimmer - CRI 90				
30W	2600	20°	MR07	01-15
30W	2600	36°	MR08	01-15
30W	2600	48°	MR09	01-15
QR 111 (G53)	Electronic complete with dimmer			
	50W 12V		4900	01-15
	75W 12V		4901	01-15



light source	W*	lm	optic	code colour
LED	Neutral white			
38W	4200	18°	MR10	01-15
38W	4200	32°	MR11	01-15
38W	4200	42°	MR12	01-15
Warm white				
38W	4200	18°	MR13	01-15
38W	4200	32°	MR14	01-15
38W	4200	42°	MR15	01-15
Warm white - CRI 90				
38W	3800	18°	MR16	01-15
38W	3800	32°	MR17	01-15
38W	3800	42°	MR18	01-15
HIT-CE (G12)	Electronic			
	70W	18°	4923	01-15
	70W	40°	4924	01-15

IP40
Complete with safety glass and power factor correction capacitor

track suspension

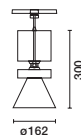


light source	W*	lm	optic	code colour
QR CBC51 (GU5.3)	Electronic complete with dimmer			
	50W 12V		3231	01-74
Complete with suspension cables L=2000 (h max 2257), track adapter and power cable. Compatible with Decostar IRC OSRAM				



light source	W*	lm	optic	code colour
LED	Neutral white complete with dimmer			
30W	3000	20°	MP88	01-74
30W	3000	36°	MP89	01-74
30W	3000	48°	MP90	01-74
Warm white complete with dimmer				
30W	3000	20°	MP91	01-74
30W	3000	36°	MP92	01-74
30W	3000	48°	MP93	01-74
Warm white complete with dimmer - CRI 90				
30W	2600	20°	MP94	01-74
30W	2600	36°	MP95	01-74
30W	2600	48°	MP96	01-74
QR 111 (G53)	Electronic complete with dimmer			
	50W 12V		3232	01-74
	75W 12V		3233	01-74
DALI				
	75W 12V		3236	01-74

Complete with suspension cables L=2000 (h max 2313), track adapter and power cable.
DALI spotlights are provided with a special adapter and are only compatible with iGuzzini DALI tracks.



light source	W*	lm	optic	code colour
LED	Neutral white			
38W	4200	18°	MP97	01-74
38W	4200	32°	MP98	01-74
38W	4200	42°	MP99	01-74
Warm white				
38W	4200	18°	MQ00	01-74
38W	4200	32°	MQ01	01-74
38W	4200	42°	MQ02	01-74
Warm white - CRI 90				
38W	3800	18°	MQ03	01-74
38W	3800	32°	MQ04	01-74
38W	3800	42°	MQ05	01-74
HIT-CE (G12)	Electronic			
	70W	18°	3252	01-74
	70W	40°	3253	01-74

IP40 for optical assembly
Complete with safety glass, power factor correction capacitor, suspension cables, L=2000 (h max 2402), track adapter and power cable.

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

suspension with base



light source	W*	lm	optic	code colour
QR CBC51 (GU5.3)	Electronic complete with dimmer			
	50 W 12 V			3151 15

Complete with suspension cables L=2000 (h max 2216), base and power supply cable.
Compatible with Decostar IRC OSRAM.



LED				
Neutral white complete with dimmer - CRI 80				
30 W	3000	20°		MP70 15
30 W	3000	36°		MP71 15
30 W	3000	48°		MP72 15

Warm white complete with dimmer - CRI 80

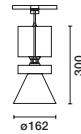
30 W	3000	20°		MP73 15
30 W	3000	36°		MP74 15
30 W	3000	48°		MP75 15

Warm white complete with dimmer - CRI 90

30 W	2600	20°		MP76 15
30 W	2600	36°		MP77 15
30 W	2600	48°		MP78 15

light source	W*	lm	optic	code colour
QR 111 (G53)	Electronic complete with dimmer			
	50 W 12 V			3152 15
	75 W 12 V			3153 15

Complete with suspension cables L=2000 (h max 2321), base and power supply cable.



light source	W*	lm	optic	code colour
LED	Neutral white - CRI 80			
38 W	4200	18°		MP79 15
38 W	4200	32°		MP80 15
38 W	4200	42°		MP81 15

Warm white - CRI 80

38 W	4200	18°		MP82 15
38 W	4200	32°		MP83 15
38 W	4200	42°		MP84 15















Warm white - CRI 90

38 W	3800	18°		MP85 15
38 W	3800	32°		MP86 15
38 W	3800	42°		MP87 15

light source	W*	lm	optic	code colour
HIT-CE (G12)	Electronic			
	70 W		16°	3160 15
	70 W		40°	3161 15

IP40
Complete with safety glass, power factor correction capacitor, suspension cables L=2000 (h max 2411), base and power cable.

Le Perroquet

							
accessories		code	colour	code	colour	code	colour
	Refractor for elliptical distribution	9538	24	9539	24	9540	24
	Coloured filters	9536	05-06-09 24	---	---	9537	05-06-09
	IR filter	9541	24	---	---	---	---
	UV filter	---	---	---	---	9542	24
	Asymmetrical screen	9532	01-15	9533	01-15	9534	01-15
	Antiglare screen	9528	04	9529	04	9530	04
	Spill-ring	---	---	---	---	9513	04
		code	colour	code	colour	code	colour
	Interchangeable reflectors for LED						
	medium	---	---	MXH9 (20°)	12	MXI2 (18°)	12
	flood	---	---	MXI0 (36°)	12	MXI3 (22°)	12
	wide flood	---	---	MXI1 (48°)	12	MXI4 (42°)	12
accessories for versions with adapter for track		code	colour	code	colour	code	colour
	Ceiling base	8773	01-04	8773	01-04	8773	01-04
	Ceiling base DALI	---	---	MW30	01-04	---	---
	Recessed base	8902	01-04	8902	01-04	8902	01-04
	Recessed base DALI	---	---	MW31	01-04	---	---
	Hole for installation 108 mm						
	Cover for adapter IP40	6854	01-04	6854	01-04	6854	01-04

Front Light



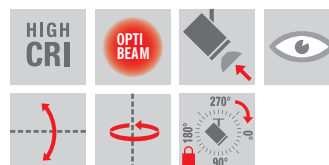
Features

03

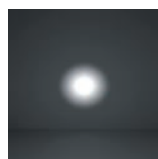
 IP20 (IP40 with optional glass)

- Installation on three-phase track and on a ceiling-mounted base.
- Made of die-cast aluminium and thermoplastic material.
- Opti Beam interchangeable reflectors with high luminous efficiency and uniform distribution.
- High visual comfort.
- Inclination of 90° on horizontal plane and 360° rotation around the vertical axis, with mechanical aiming lock.

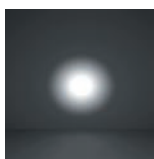
- The luminaires include a dimmable electronic transformer and are made using IGBT technology.
- C.o.B. LED versions with passive dissipation.
- Complete with safety glass.



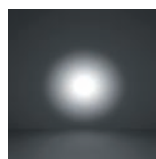
Optics and lamps



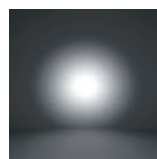
S - Spot
α from 9° to 15°



M - Medium
α from 16° to 25°



F - Flood
α from 26° to 39°



WF - Wide Flood
α from 40° to 60°

LED	12 - 17 - 25W	HIT-CE	20 - 35 - 50W
	28 - 29 - 30W	HIT-CE	35 - 70W
	38 - 47 - 55W	HIT-TC-CE	35 - 50 - 70W
QR 111	75W	HIR-111-CE	35 - 70W

LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51 	75%	HIT-CE 	21%
2300	25W	2x50W	75%	-	-
3000	33W	-	-	35W	-
5000	55W	-	-	70W	21%

(3000K) LED energy saving compared with conventional lamps

Front Light

The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space.



External accessories installation without tools



External accessories with rotation up to 360°



Pendant

Front Light is available in the suspended version on track.



Front Light



01
WHITE

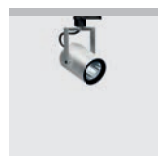


04
BLACK

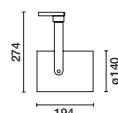


74
GREY/BLACK

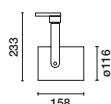
spotlight



light source	W*	lm	optic	code	colour
LED new					
	12 W	1550	16°	N285	01-04-74
	12 W	1550	31°	N286	01-04-74
	12 W	1550	53°	N287	01-04-74
Warm white					
	12 W	1500	16°	N288	01-04-74
	12 W	1500	31°	N289	01-04-74
	12 W	1500	53°	N290	01-04-74
Warm white - CRI 90					
	12 W	1100	16°	N291	01-04-74
	12 W	1100	31°	N292	01-04-74
	12 W	1100	53°	N293	01-04-74



light source	W*	lm	optic	code	colour
LED					
	29 W	3000	16°	MB36	01-04-74
	29 W	3000	30°	MB37	01-04-74
	29 W	3000	48°	MB38	01-04-74
	47 W	5200	16°	MK82	01-04-74
	47 W	5200	30°	MK83	01-04-74
	47 W	5200	48°	MK84	01-04-74
Warm white					
	30 W	3000	16°	MB39	01-04-74
	30 W	3000	30°	MB40	01-04-74
	30 W	3000	48°	MB41	01-04-74
	47 W	5000	16°	MK85	01-04-74
	47 W	5000	30°	MK86	01-04-74
	47 W	5000	48°	MK87	01-04-74



light source	W*	lm	optic	code	colour
LED					
	17 W	2100	13°	MB30	01-04-74
	17 W	2100	28°	MB31	01-04-74
	17 W	2100	42°	MB32	01-04-74
	28 W	3000	13°	MK95	01-04-74
	28 W	3000	28°	MK96	01-04-74
	28 W	3000	42°	MK97	01-04-74
Warm white					
	17 W	2000	13°	MB33	01-04-74
	17 W	2000	28°	MB34	01-04-74
	17 W	2000	42°	MB35	01-04-74
	30 W	3000	13°	MK98	01-04-74
	30 W	3000	28°	MK99	01-04-74
	30 W	3000	42°	ML00	01-04-74
Warm white - CRI 90					
	25 W	2000	13°	MN46	01-04-74
	25 W	2000	28°	MN47	01-04-74
	25 W	2000	42°	MN48	01-04-74
	30 W	2400	13°	MN52	01-04-74
	30 W	2400	28°	MN53	01-04-74
	30 W	2400	42°	MN54	01-04-74

HIT-CE (GU6,5)	Electronic	W*	lm	optic	code	colour
		20 W	6°		M922	01-04-74
		20 W	16°		MD37	01-04-74
		20 W	30°		M923	01-04-74
		20 W	46°		MD38	01-04-74
		35 W	8°		M924	01-04-74
		35 W	16°		MD39	01-04-74
		35 W	30°		M925	01-04-74
		35 W	46°		MD40	01-04-74
		50 W	8°		MT26	01-04-74
		50 W	16°		MT27	01-04-74
		50 W	30°		MT28	01-04-74
		50 W	46°		MT29	01-04-74

See your instruction manual for the exact number of accessories that may be installed

light source	W*	lm	optic	code	colour
	38 W	2800	16°	MN49	01-04-74
	38 W	2800	30°	MN50	01-04-74
	38 W	2800	48°	MN51	01-04-74
	55 W	4300	16°	MN55	01-04-74
	55 W	4300	30°	MN56	01-04-74
	55 W	4300	48°	MN57	01-04-74

QR 111 (G53)	Electronic complete with dimmer	W*	lm	code	colour
		75 W	12 V	MB17	01-04-74

HIR-111-CE (GX8,5)	Electronic	W*	lm	code	colour
		35 W		MB18	01-04-74
		70 W		MB19	01-04-74

HIT-TC-CE (G8,5)	Electronic High-efficiency reflector	W*	lm	optic	code	colour
		35 W		8°	M926	01-04-74
		35 W		20°	MD41	01-04-74
		35 W		36°	M927	01-04-74
		35 W		54°	MD42	01-04-74
		50 W		8°	MH85	01-04-74
		50 W		20°	MH86	01-04-74
		50 W		36°	MH87	01-04-74
		50 W		54°	MH88	01-04-74
		70 W		8°	M928	01-04-74
		70 W		20°	MD43	01-04-74
		70 W		36°	M929	01-04-74
		70 W		54°	MD44	01-04-74

HIT-CE (G12)	Electronic	W*	lm	optic	code	colour
		35 W		8°	M930	01-04-74
		35 W		14°	MD45	01-04-74
		35 W		28°	M931	01-04-74
		35 W		46°	MD46	01-04-74
		70 W		10°	M932	01-04-74
		70 W		16°	MD47	01-04-74
		70 W		28°	M933	01-04-74
		70 W		46°	MD48	01-04-74

See your instruction manual for the exact number of accessories that may be installed

Front Light



01
WHITE



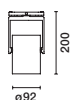
04
BLACK

pendant



light source W* lm optic code colour

- LED new** Warm white - CRI 90
- 12W 1500 16° **N273** 01-04
 - 12W 1500 31° **N274** 01-04
 - 12W 1500 53° **N275** 01-04



light source W* lm optic code colour

- LED new** Warm white - CRI 90
- 25W 2000 13° **N276** 01-04
 - 25W 2000 28° **N277** 01-04
 - 25W 2000 42° **N278** 01-04
 - 30W 2400 13° **N279** 01-04
 - 30W 2400 28° **N280** 01-04
 - 30W 2400 42° **N281** 01-04

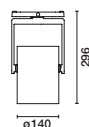


See your instruction manual for the exact number of accessories that may be installed
















light source W* lm optic code colour

- LED new** Warm white - CRI 90
- 55W 4300 16° **N282** 01-04
 - 55W 4300 30° **N283** 01-04
 - 55W 4300 48° **N284** 01-04



See your instruction manual for the exact number of accessories that may be installed

Front Light

accessories			
	code colour	code colour	code colour
 Refractor for elliptical distribution	MXV1 24	MWD6 24	MWY3 24
 Coloured filters	--- ---	MWY4 05-06-09	MWY5 05-06-09
 UV filter	--- ---	MWY6 24	MWY7 24
 "Soft Lens" filter	--- ---	MWN5 24	MWM6 24
 Louvre	--- ---	MWY8 04	MWY9 04
 Antiglare screen	--- ---	MWN7 04	MWN8 04
 Ceiling base	8773 01-04	8773 01-04	8773 01-04
 Recessed base Hole for installation 108 mm	8902 01-04	8902 01-04	8902 01-04
 Cover for adapter IP40	6854 01-04	6854 01-04	6854 01-04
	code (α) colour	code (α) colour	code (α) colour
 Interchangeable reflectors for LED			
spot	--- ---	MX90 (13°) 12	--- ---
medium	MXV2 (16°) 12	--- ---	MXA6 (16°) 12
flood	MXV3 (31°) 12	MX92 (28°) 12	MXA7 (30°) 12
wide flood	MXV4 (53°) 12	MX93 (42°) 12	MXA8 (48°) 12
Interchangeable reflectors for HIT-CE lamps			
spot	--- ---	MX21 (6°) 12	MX29 (8°) 12
medium	--- ---	MX22 (16°) 12	MX30 (14°) 12
flood	--- ---	MX23 (30°) 12	MX31 (28°) 12
wide flood	--- ---	MX24 (46°) 12	MX32 (46°) 12
Interchangeable reflectors for HIT-TC-CE lamps			
spot	--- ---	--- ---	MX25 (8°) 12
medium	--- ---	--- ---	MX26 (20°) 12
flood	--- ---	--- ---	MX27 (36°) 12
wide flood	--- ---	--- ---	MX28 (54°) 12

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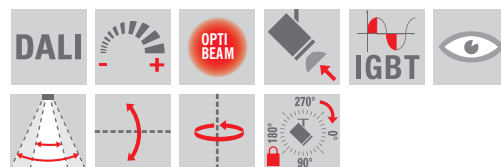




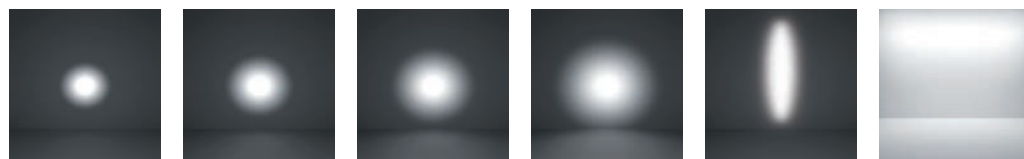
Features



- Installation on three-phase/DALI track and on a ceiling-mounted base.
- Made of die-cast aluminium and thermoplastic material.
- Opti Beam interchanging reflectors with high luminous efficiency and uniform distribution.
- High visual comfort.
- Inclination of 90° on horizontal plane and 360° rotation around the vertical axis, with mechanical aiming lock.
- Spotlights with flood optics and lamps without reflectors have a manual focusing device for the light beam.
- The luminaires include a dimmable electronic transformer and are made using IGBT technology.
- C.o.B. LED versions with passive dissipation.
- Complete with safety glass.



Optics and lamps



S - Spot α from 9° to 15° **M** - Medium α from 16° to 25° **F** - Flood α from 26° to 39° **WF** - Wide Flood α from 40° to a 60° **E** - Elliptical* **WW** - Wall Washer*

LED	30 - 38 - 47 - 55W
QR-CBC 51	50W
QR 111	75 - 100W
QT 12 ES	100W
HIT-TC-CE	35 - 50 - 70W

* The Elliptical and Wall Washer optics are obtained by fitting the appropriate accessory.

LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51 		HIT-CE 	
3000	39W	3x50W	74%	-	-
5000	55W	-	-	70W	21%

(3000K) LED energy saving compared with conventional lamps

The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space. The use of screens eliminates possible glare or stray light, guaranteeing a high level of visual comfort.



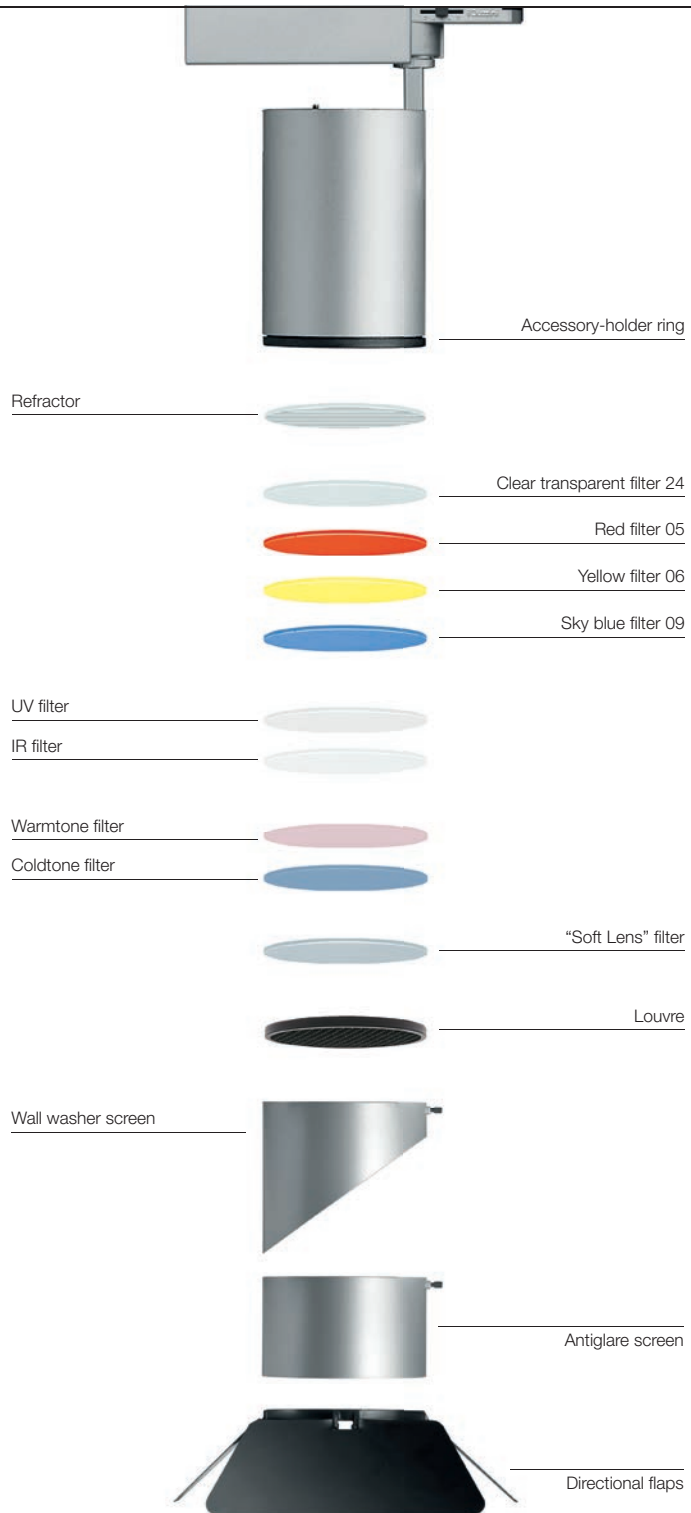
Accessory-holder ring, which can hold up to three flat accessories

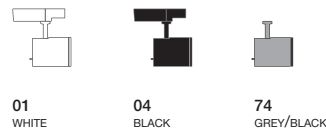


External accessories installation without tools

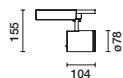


External accessories with rotation up to 360°

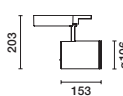




light source **W*** **lm** **optic** **code colour**
QR CBC51 Electronic complete with dimmer
 (GU5,3) **50 W 12 V** **6336** 01-04



LED Neutral white complete with dimmer
30 W 3100 11° MK58 01-04
30 W 3100 30° MK59 01-04
30 W 3100 46° MK60 01-04



Warm white complete with dimmer
30 W 3000 11° MK61 01-04
30 W 3000 30° MK62 01-04
30 W 3000 46° MK63 01-04

Warm white complete with dimmer - CRI 90
38 W 2700 11° MN34 01-04
38 W 2700 30° MN35 01-04
38 W 2700 46° MN36 01-04

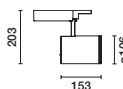
Neutral white DALI
30 W 3100 11° MK64 01-04
30 W 3100 30° MK65 01-04
30 W 3100 46° MK66 01-04

Warm white DALI
30 W 3000 11° MK67 01-04
30 W 3000 30° MK68 01-04
30 W 3000 46° MK69 01-04

Warm white DALI - CRI 90
38 W 2700 11° MN37 01-04
38 W 2700 30° MN38 01-04
38 W 2700 46° MN39 01-04



QT 12 ES Electronic complete with dimmer
 (GY6,35) **100 W max 12 V 10° 6347** 01-04
100 W max 12 V 38° 6348 01-04

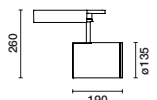


HIT-TC-CE Electronic
 (G8,5) **35 W 8° 6343** 01-04
35 W 16° MC91 01-04
35 W 30° 6344 01-04
35 W 50° MC92 01-04
50 W 8° MH53 01-04
50 W 16° MH54 01-04
50 W 30° MH55 01-04
50 W 50° MH56 01-04
70 W 10° 6345 01-04
70 W 16° MC93 01-04
70 W 30° 6346 01-04
70 W 50° MC94 01-04

IP40 for optical assembly



light source **W*** **lm** **optic** **code colour**
LED Neutral white
47 W 5200 15° ML01 01-04
47 W 5200 35° ML02 01-04
47 W 5200 48° ML03 01-04



Warm white
47 W 5000 15° ML04 01-04
47 W 5000 35° ML05 01-04
47 W 5000 48° ML06 01-04

Warm white - CRI 90
55 W 4400 15° MN40 01-04
55 W 4400 35° MN41 01-04
55 W 4400 48° MN42 01-04

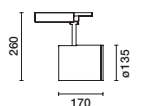
Neutral white DALI
47 W 5200 15° MM24 01-04
47 W 5200 35° MM25 01-04
47 W 5200 48° MM26 01-04

Warm white DALI
47 W 5000 15° MM27 01-04
47 W 5000 35° MM28 01-04
47 W 5000 48° MM29 01-04

Warm white DALI - CRI 90
55 W 4400 15° MN43 01-04
55 W 4400 35° MN44 01-04
55 W 4400 48° MN45 01-04



QR 111 Electronic complete with dimmer
 (G53) **75/100 W 12 V 6350** 01-04
 DALI
100 W 12 V 6430 01-04



Tecnica

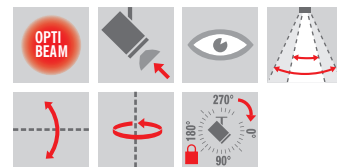
accessories						
	code	colour	code	colour	code	colour
 Refractor for elliptical distribution	9538	24	2931	24 no for LED	2932	24 for QR 111
			MXB4	24 for versions LED	MWY3	24 for versions LED
 Coloured filters	9536	05-06-09 24	2935	05-06-09 24 no for LED	2943	05-06-09 24
 IR filter	9541	24	2933	24 no for LED	2934	24 for QR 111
 UV filter	9516	24	9517	24 no for LED	9518	24 for QR 111
 Warmtone filter	2944	24	2945	24 no for LED	2946	24 for QR 111
 Coldtone filter	2947	24	2948	24 no for LED	2949	24 for QR 111
 "Soft Lens" filter	MWA3	24	MWA4	24 no for LED	MWA5	24 for QR 111
			MXD8	24 for versions LED	MWM6	24 for versions LED
 Louvre	6828	04	6829	04 no for LED	---	---
 Wall washer screen complete with diffusing filter	---	---	MW81	43-47-74 for 6344-6346-6348 MC92-MC94	---	---
 Antiglare screen	6861	04 47-74	6862	04 47-74	6863	04 47-74
 Directional flaps	6831	04	6832	04	6833	04
 Cover for adapter IP40	6854	01-04	6854	01-04	6854	01-04



Features

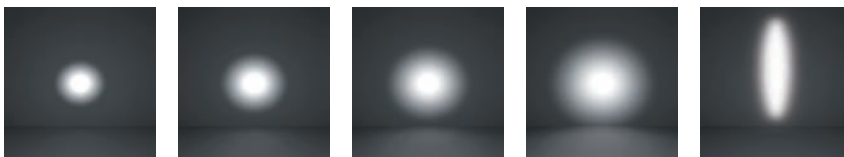


- Installation on three-phase track and extruded aluminium channel complete with track; the channel can be suspended with cables or rods and surface mounted.
- Made of die-cast aluminium and thermoplastic material.
- Super-pure aluminium reflector with high luminous efficiency and uniform distribution.
- High visual comfort.
- Inclination of 90° on horizontal plane and 360° rotation around the vertical axis, with mechanical aiming lock.
- C.o.B. LED versions with passive dissipation
- Complete with safety glass.



Installation in channel with recessed power box

Optics and lamps



- S** - Spot α from 9° to 15°
- M** - Medium α from 16° to 25°
- F** - Flood α from 26° to 39°
- WF** - Wide Flood α from 40° to 60°
- E** - Elliptical*

* Elliptical optic is obtained by installing the respective accessory.

LED 30W

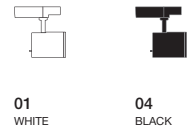
LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

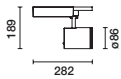
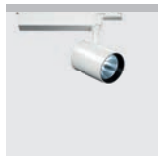
Energy saving

lumen lm	LED	QR CBC 51	ENERGY SAVING	HIT-CE	ENERGY SAVING
3000	30W	3x50W	80%	35W	14%

(3000K) LED energy saving compared with conventional lamps



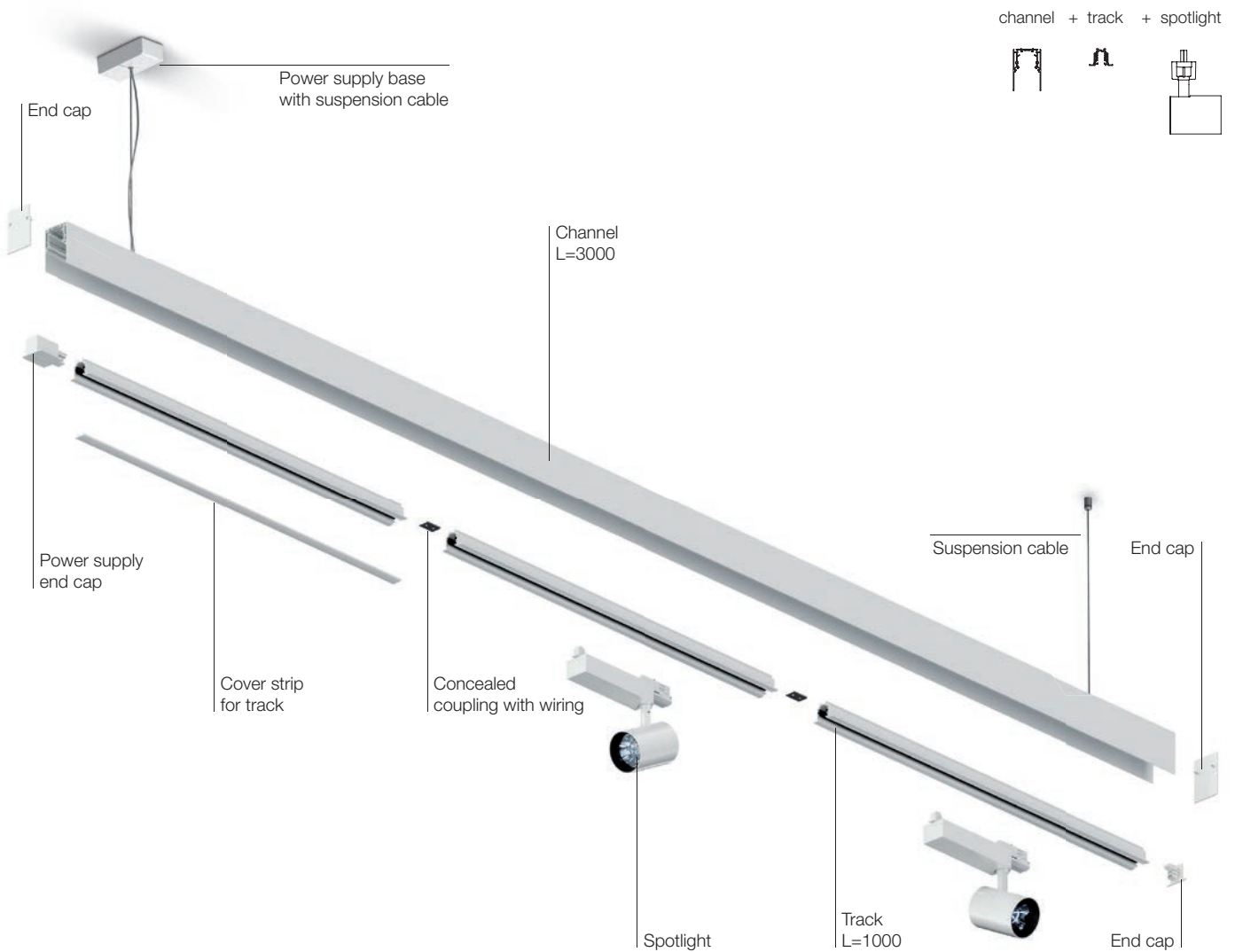
accessories and installation systems



light source	W*	lm	optic	code	colour
LED					
Warm white					
30W	3000	15°	MR90	01-04	
30W	3000	22°	N351	01-04	
30W	3000	42°	N353	01-04	
30W	3000	60°	N355	01-04	
Warm white - CRI 90					
30W	2200	15°	MR91	01-04	
30W	2200	22°	N352	01-04	
30W	2200	42°	N354	01-04	
30W	2200	60°	N356	01-04	

	code	colour
Refractor for elliptical distribution	1191	24
Cover for adapter IP40	6854	01-04
Channel		
L=1000	TBG4	01-04
L=2000	TBG5	01-04
L=3000	TY92	01-04

Installation in channel



* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



01
WHITE



04
BLACK



length	code colour
Channel	
1000	TBG4 01-04
2000	TBG5 01-04
3000	TY92 01-04



length	code colour
Track module	
1000	6779 01-04
2000	6780 01-04
3000	6781 01-04

accessories and systems for channel installation

	code	colour
Intermediate suspension cable L=1500	MW67	00
Suspension rods h=1000		
with power supply 3 pole	TY94	01-04
without power supply	TBG8	01-04
Two end caps	TY95	01-04
Power supply base with suspension cables L=1500	MWB4	01

accessories and track components

	code	colour
End cap	MWT2	01-04
Power supply end cap with earth contact		
right	MWT3	01-04
left	MWT4	01-04
Concealed coupling with wiring	MWS2	01-04
Direct coupling for power supply	MWT5	01-04
Tool for track wires conformation	MWX0	00
Cover strip L=1000	MWW7	01-04



The second level will keep (re)discovering the life of furniture represented in a more abstract and less figurative manner. Still, the first part, becoming (re)discovered, is accompanied by organic forms and (re)discovered. Our mission for all living organisms is to make themselves known well and take care for each other. Since the world will discover that we are all family.

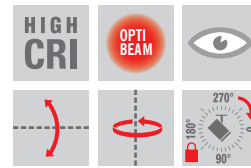
Just's it is
Please do not touch S2



Features



- Installation on three-phase track and on a ceiling-mounted base.
- Made of die-cast aluminium and thermoplastic material.
- Opti Beam interchangeable reflectors with high luminous efficiency and uniform distribution.
- High visual comfort.
- Inclination of 90° on horizontal plane and 360° rotation around the vertical axis, with mechanical aiming lock.
- C.o.B. LED versions with passive dissipation.
- Complete with safety glass.



Optics and lamps



S - Spot α from 9° to 15° **M** - Medium α from 16° to 25° **F** - Flood α from 26° to 39° **WF** - Wide Flood α from 40° to 60° **E** - Elliptical*

* Elliptical optic is obtained by installing the respective accessory.

LED 23 - 37 - 50W

LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51 		HIT-CE 	
1100	12W	50W	76%	-	-
3000	29W	2x75W	81%	-	-
5200	46W	-	-	70W	43%

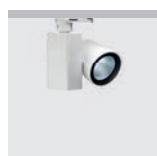
(3000K) LED energy saving compared with conventional lamps



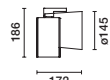
01
WHITE



04
BLACK



light source	W*	lm	optic	code colour
LED				
Neutral white				
12W	1500	16°	N180	01-04
12W	1500	31°	N181	01-04
12W	1500	53°	N294	01-04
Warm white- CRI 90				
12W	1100	16°	N182	01-04
12W	1100	31°	N183	01-04
12W	1100	53°	N295	01-04



light source	W*	lm	optic	code colour
LED				
Neutral white				
46W	5400	16°	N196	01-04
46W	5400	30°	N197	01-04
46W	5400	48°	N198	01-04
Warm white				
46W	5200	16°	N200	01-04
46W	5200	30°	N201	01-04
46W	5200	48°	N202	01-04



light source	W*	lm	optic	code colour
LED				
Neutral white				
29W	3100	13°	N184	01-04
29W	3100	18°	N185	01-04
29W	3100	28°	N186	01-04
29W	3100	42°	N187	01-04
Warm white				
29W	3000	13°	N188	01-04
29W	3000	18°	N189	01-04
29W	3000	28°	N190	01-04
29W	3000	42°	N191	01-04
Warm white - CRI 90				
29W	2200	13°	N192	01-04
29W	2200	18°	N193	01-04
29W	2200	28°	N194	01-04
29W	2200	42°	N195	01-04

light source	W*	lm	optic	code colour
Warm white - CRI 90				
46W	3800	16°	N204	01-04
46W	3800	30°	N205	01-04
46W	3800	48°	N206	01-04

See your instruction manual for the exact number of accessories that may be installed

accessories



	code	colour	code	colour	code	colour
Refractor for elliptical distribution	MXV1	24	MWD6	24	MWY3	24
Ceiling base	8773	01-04	8773	01-04	---	---
Recessed base Hole for installation 108 mm	8902	01-04	8902	01-04	---	---
Cover for adapter IP40	6854	01-04	6854	01-04	6854	01-04

	code (α)	colour	code (α)	colour	code (α)	colour
Interchangeable reflectors						
spot	---	---	MX90	(13°) 12	---	---
medium	MXV2	(16°) 12	MX91	(18°) 12	MXA6	(16°) 12
flood	MXV3	(31°) 12	MX92	(28°) 12	MXA7	(30°) 12
wide flood	MXV4	(53°) 12	MX93	(42°) 12	MXA8	(48°) 12

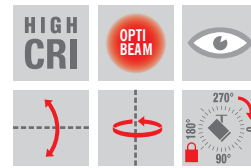
* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



Features



- Installation on three-phase track or surface-mounted with base.
- Made of two extruded aluminium cylinders, one provided with electronic driver (fixed) and one with optical assembly (adjustable).
- Superpure aluminium reflector (large body) or in metallised polycarbonate (small body).
- High visual comfort.
- Inclination of $\pm 90^\circ$ on horizontal plane and 360° rotation around the vertical axis.
- C.o.B. LED versions with passive dissipation.
- Complete with safety glass.



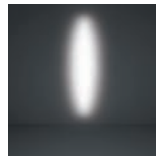
Optics and lamps



M - Medium
 α from 16° to 25°



F - Flood
 α from 26° to 42°



E - Elliptical*

LED 13 - 25W

* Elliptical optic is obtained by installing the respective accessories.

LED

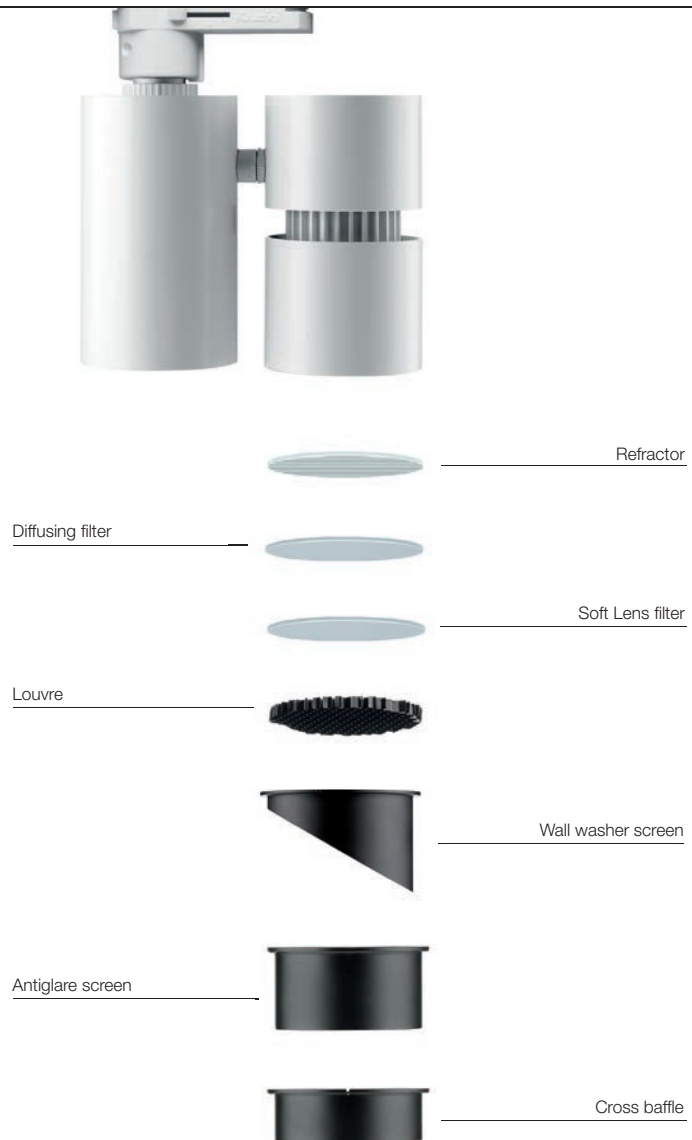
- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51	ENERGY SAVING
1300	13W	50W	74%
2700	25W	2,5x50W	80%

(3000K) LED energy saving compared with conventional lamps

The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space. The use of screens eliminates possible glare or stray light, guaranteeing a high level of visual comfort.





01
WHITE



04
BLACK



light source	W*	lm	optic	code colour
LED	Neutral white			
	13 W	1350	18°	N335 01-04
	13 W	1350	31°	N336 01-04
Warm white				
	13 W	1300	18°	N337 01-04
	13 W	1300	31°	N338 01-04
Warm white - CRI 90				
	13 W	1000	18°	N339 01-04
	13 W	1000	31°	N340 01-04

See your instruction manual for the exact number of accessories that may be installed



light source	W*	lm	optic	code colour
LED	Neutral white			
	25 W	2800	21°	N341 01-04
	25 W	2800	42°	N342 01-04
Warm white				
	25 W	2700	21°	N343 01-04
	25 W	2700	42°	N344 01-04
Warm white - CRI 90				
	25 W	2000	21°	N345 01-04
	25 W	2000	42°	N346 01-04

See your instruction manual for the exact number of accessories that may be installed

accessories	ø53		ø69	
	code	colour	code	colour
Refractor for elliptical distribution	MXT8	24	MXU5	24
Diffusing filter	MXT7	65	MXU4	65
"Soft Lens" filter	MXT9	24	MXU6	24
Louvre	MXU0	04	MXU7	04
Wall washer screen	MXU3	04	MXV0	04
Antiglare screen	MXU2	04	MXU9	04
Cross baffle	MXU1	04	MXU8	04
Ceiling base	8773	01-04	8773	01-04
Recessed base Hole for installation 108 mm	8902	01-04	8902	01-04
Cover for adapter IP40	6854	01-04	6854	01-04

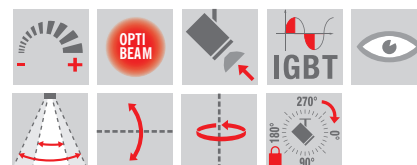




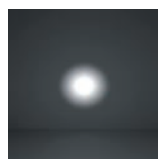
Features



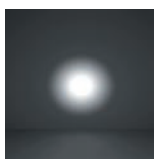
- Installation on three-phase/DALI track and on a ceiling-mounted base.
- Made of die-cast aluminium and thermoplastic material.
- Opti Beam interchangeable reflectors with high luminous efficiency and uniform distribution.
- High visual comfort.
- Inclination of 90° on horizontal plane and 360° rotation around the vertical axis, with mechanical aiming lock.
- Spotlights with flood optics and lamps without reflectors have a manual focusing device for the light beam.
- The luminaires include a dimmable electronic transformer and are made using IGBT technology.
- C.o.B. LED versions with passive dissipation.
- Complete with safety glass.



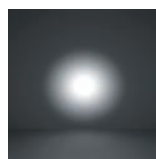
Optics and lamps



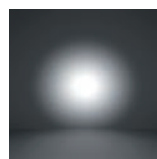
S - Spot
 α from 9° to 15°



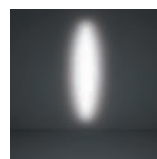
M - Medium
 α from 16° to 25°



F - Flood
 α from 26° to 39°



WF - Wide Flood
 α from 40° to 60°



E - Elliptical*



WW - Wall Washer*

LED	39 - 55W
QR-CBC 51	50W
QT 12 ES	50 - 100W
HIT-TC-CE	35 - 70W

* The Elliptical and Wall Washer optics are obtained by fitting the appropriate accessory.

LED

- **LED C.o.B.**
- Colour stability
Mac Adam <3
- Life
50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51 		HIT-CE 	
3000	39W	3x50W	74%	-	-
5000	55W	-	-	70W	21%

(3000K) LED energy saving compared with conventional lamps

The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space. The use of screens eliminates possible glare or stray light, guaranteeing a high level of visual comfort.



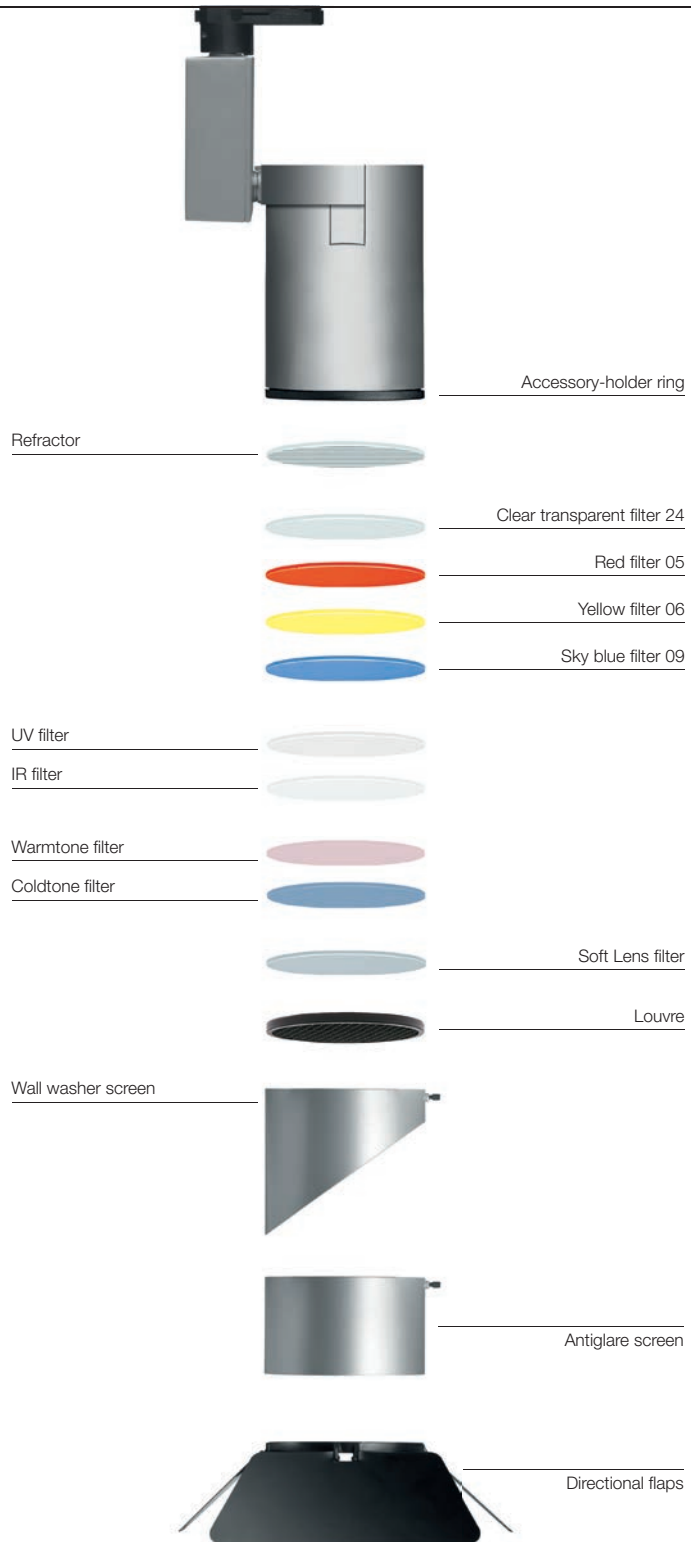
Accessory-holder ring, which can hold up to three flat accessories



External accessories installation without tools



External accessories with rotation up to 360°



Accessory-holder ring

Refractor

Clear transparent filter 24

Red filter 05

Yellow filter 06

Sky blue filter 09

UV filter

IR filter

Warmtone filter

Coldtone filter

Soft Lens filter

Louvre

Wall washer screen

Antiglare screen

Directional flaps



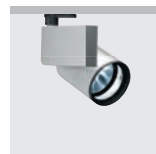
01
WHITE



74
GREY/BLACK



light source	W*	lm	optic	code colour
QR CBC51 (GU5.3)	Electronic complete with dimmer			
	50 W	12 V		6475 01-74



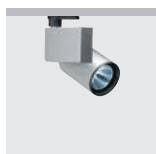
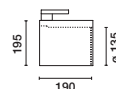
light source	W*	lm	optic	code colour
LED	Neutral white			
	47 W	5200	14°	MN11 01-74
	47 W	5200	34°	MN12 01-74
	47 W	5200	48°	MN13 01-74

Warm white

47 W	5000	14°	MN14 01-74
47 W	5000	34°	MN15 01-74
47 W	5000	48°	MN16 01-74

Warm white - CRI 90

55 W	4300	14°	MP67 01-74
55 W	4300	34°	MP68 01-74
55 W	4300	48°	MP69 01-74



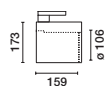
light source	W*	lm	optic	code colour
LED	Neutral white complete with dimmer			
	30 W	3100	13°	MN05 01-74
	30 W	3100	28°	MN06 01-74
	30 W	3100	45°	MN07 01-74

Warm white complete with dimmer

30 W	3000	13°	MN08 01-74
30 W	3000	28°	MN09 01-74
30 W	3000	45°	MN10 01-74

Warm white complete with dimmer - CRI 90

38 W	2700	13°	MP64 01-74
38 W	2700	28°	MP65 01-74
38 W	2700	45°	MP66 01-74



light source	W*	lm	optic	code colour
QT 12 ES (GY6,35)	Electronic complete with dimmer			
	100 W max	12 V	10°	6482 01-74
	100 W max	12 V	38°	6483 01-74



light source	W*	lm	optic	code colour
HIT-TG-CE (G8,5)	Electronic			
	35 W		8°	6485 01-74
	35 W		16°	MD17 01-74
	35 W		30°	6486 01-74
	35 W		48°	MD18 01-74
	50 W		8°	MH61 01-74
	50 W		16°	MH62 01-74
	50 W		30°	MH63 01-74
	50 W		48°	MH64 01-74
	70 W		10°	6487 01-74
	70 W		16°	MD19 01-74
	70 W		30°	6488 01-74
	70 W		48°	MD20 01-74



See your instruction manual for the exact number of accessories that may be installed.

DALI spotlights are provided with a special adapter and are only compatible with iGuzzini DALI tracks.

accessories		 ø 77		 ø 108		 ø 135	
	code	colour	code	colour	code	colour	
	Refractor for elliptical distribution	9538 24	2931 24 no for LED MXB4 24 for versions LED	MWY3 24			
	Coloured filters	9536 05-06-09 24	2935 05-06-09 24 no for LED	---	---		
	IR filter	9541 24	2933 24 no for LED	---	---		
	UV filter	9516 24	9517 24 no for LED	---	---		
	Warmtone filter	2944 24	2945 24 no for LED	---	---		
	Coldtone filter	2947 24	2948 24 no for LED	---	---		
	"Soft Lens" filter	MWA3 24	MWA4 24 no for LED MXD8 24 for versions LED	MWM6 24			
	Louvre	6828 04	6829 04 no for LED	---	---		
	Wall washer screen complete with diffusing filter	---	MW81 43-47-74 for 6483-6486-6488-M291 MD18-MD20-MH63-MH64	---	---		
	Antiglare screen	6861 47-74	6862 47-74	6863 47-74			
	Directional flaps	6831 04	6832 04	6833 04			
	Ceiling base	8773 01-04	8773 01-04	8773 01-04			
	Ceiling base DALI	---	MW30 01-04	---	---		
	Recessed base	8902 01-04	8902 01-04	8902 01-04			
	Recessed base DALI Hole for installation 108 mm	---	MW31 01-04	---	---		
	Cover for adapter IP40	6854 01-04	6854 01-04	6854 01-04			

Primopiano wall washer

design Piano Design



Features



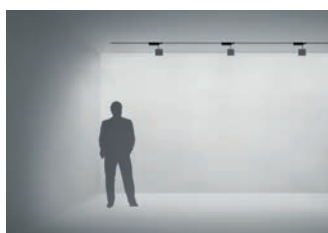
- Installation on mains voltage and DALI track.
- Body in die-cast aluminium and stainless steel rod.
- Inclination of 90° on horizontal plane and 360° rotation around the vertical axis, with mechanical aiming lock.

- Spotlight complete with local manually dimmable electronic control gear.

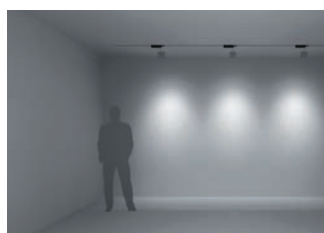


Optic

The innovative wall washer optic has been designed to homogeneously light walls without areas of shadow in the space close to the ceiling.



Primopiano Wall Washer



Traditional Wall Washer

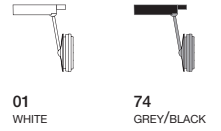
LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

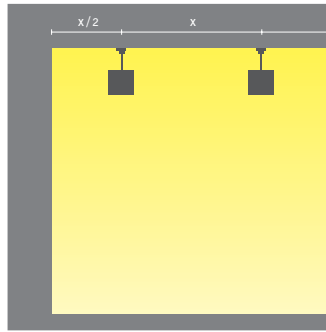
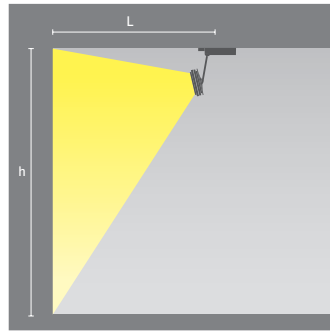
lumen lm	LED	QR CBC 51	
1220	13W	50W	74%
2150	22W	2x50W	78%

(3000K) LED energy saving compared with conventional lamps



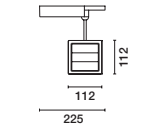
Correct installation

The table shows the correct installation distances for uniform lighting on the wall.

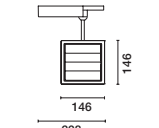


code	x max (m)	L (m)	h (m)
MJ40 - MJ41 MJ42 - MJ43	1,5	1	2,7
MJ44 - MJ45 MJ46 - MJ47	2	1	3

light source	W*	lm	code colour
LED Neutral white complete with dimmer	13W	1220	MJ40 01-74
Warm white complete with dimmer	13W	1220	MJ41 01-74
Neutral white DALI	13W	1220	MJ42 01-74
Warm white DALI	13W	1220	MJ43 01-74




light source	W*	lm	code colour
LED Neutral white complete with dimmer	22W	2150	MJ44 01-74
Warm white complete with dimmer	22W	2150	MJ45 01-74
Neutral white DALI	22W	2150	MJ46 01-74
Warm white DALI	22W	2150	MJ47 01-74



DALI spotlights are provided with a special adapter and are only compatible with iGuzzini DALI tracks.

accessories

	code	colour
 Cover for adapter IP40	6854	01-04

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

Primopiano

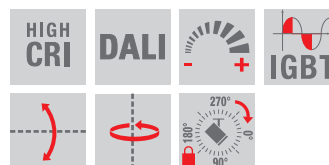
design Piano Design



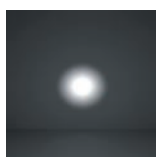
Features



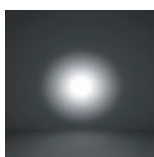
- Installation on mains voltage and DALI track.
- Body in die-cast aluminium and stainless steel rod.
- LED versions with high color rendering index.
- Inclination of 90° on horizontal plane and 360° rotation around the vertical axis, with mechanical aiming lock.
- The luminaires include a dimmable electronic transformer and are made using IGBT technology.



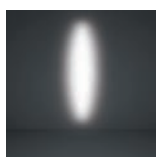
Optics and lamps



S - Spot
α from 9° to 15°



F - Flood
α from 26° to 39°



E - Elliptical*

LED	14 - 15W
	25 - 26W

* Elliptical optic is obtained by installing the respective accessory.

LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51	ENERGY SAVING
720	14W	35W	60%
1280	25W	2x35W	64%

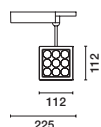
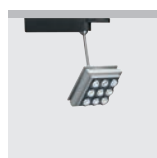
(3000K) LED energy saving compared with conventional lamps



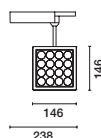
01
WHITE



74
GREY/BLACK



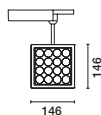
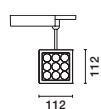
light source	W*	lm	optic	code colour
LED	Neutral white			
	15W	1010	12°	M642 01-74
	15W	1010	32°	M643 01-74
Warm white - CRI 90				
	14W	720	12°	M640 01-74
	14W	720	32°	M641 01-74
Neutral white DALI				
	15W	1010	12°	M646 01-74
	15W	1010	32°	M647 01-74
Warm white DALI - CRI 90				
	14W	720	12°	M644 01-74
	14W	720	32°	M645 01-74



light source	W*	lm	optic	code colour
LED	Neutral white			
	26W	1770	12°	M650 01-74
	26W	1770	32°	M651 01-74
Warm white - CRI 90				
	25W	1280	12°	M648 01-74
	25W	1280	32°	M649 01-74
Neutral white DALI				
	26W	1770	12°	M654 01-74
	26W	1770	32°	M655 01-74
Warm white DALI - CRI 90				
	25W	1280	12°	M652 01-74
	25W	1280	32°	M653 01-74

DALI spotlights are provided with a special adapter and are only compatible with iGuzzini DALI tracks.

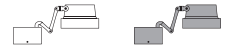
accessories



	code colour	code colour
Refractor for elliptical distribution	MWD7 24	MWD8 24
Accessory-frame	MWD2 01-15	MWD3 01-15
Cover for adapter IP40	6854 01-04	6854 01-04

Accessories must be installed with accessory-frame

Tilt



01
WHITE

15
GREY



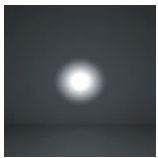
Features



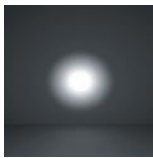
- Surface-mounted on a wall or turned through 180°.
- Made of die-cast and extruded aluminium.
- Optical diffuser in thermoplastic material.
- Lamps are adjustable and can be rotated around the vertical axis.



Optics and lamps



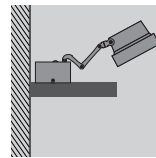
S - Spot
α from 9° to 15°



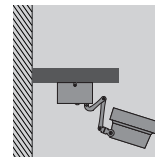
M - Medium
α from 16° to 25°

LED 17 - 19 - 35W

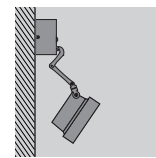
Applications



Installation above cornice



Installation under cornice



Wall installation

LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51	
1010	17W	50W	66%
2000	19W	2x50W	81%

(3000K) LED energy saving compared with conventional lamps



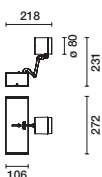
light source **W*** lm optic code colour

LED	Warm white			
	Complete with power supply			
	17 W	1010	12°	MB28 01-15
	17 W	1010	20°	MB29 01-15

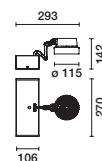


light source **W*** lm optic code colour

LED new	Passive dissipation			
	Complete with power supply			
	Warm white			
	• 19 W	2000	14°	N347 01-15
	Warm white - CRI 90			
	• 19 W	1700	14°	N348 01-15
	Active dissipation			
	Complete with power supply			
	Warm white			
	• 35 W	3000	14°	N349 01-15
	Warm white - CRI 90			
	• 35 W	2500	14°	N350 01-15



	code	colour
Optical diffuser medium	MXG3	24
flood	MXG4	24
elliptical	MXG5	24







Cestello

design G. Aulenti - P. Castiglioni



Features



- Installation on three-phase/DALI track and on a ceiling-mounted base.
- Made of die-cast aluminium and thermoplastic material.
- For low voltage versions the luminaire has an integrated electronic transformer in the structure's lateral longitudinal members.
- For discharge and LED versions the electronic power supply is integrated in one of the 4 compartments of the structure, reducing the number of optical assemblies to 3.
- The luminaires include a dimmable electronic transformer and are made using IGBT technology.



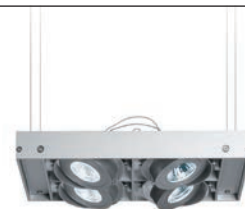
Versions

Cestello is available in two sizes and in the following versions:

- spotlight
- wall mounted
- pendant
- floor lamp



floor lamp



pendant



wall mounted

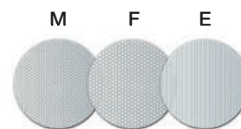
Cestello

Optical diffusers

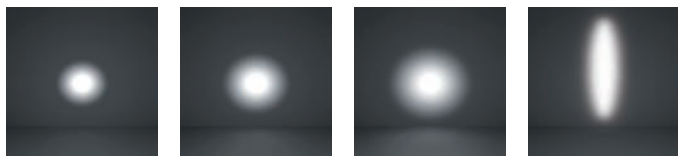
Simply fitting these refractors means that the width of the light beams can be adjusted, without replacing the luminaire.

The product without diffuser has a spot optic.

For more flexible lighting, install different optical diffusers on the same luminaire.



Optics and lamps



S - Spot
 α from 9° to 15°

M - Medium
 α from 16° to 25°

F - Flood
 α from 26° to 39°

E - Elliptical*

* Elliptical optic is obtained by installing the respective accessory.

LED <small>PASSIVE DISSIPATION</small>	19W
QR-CBC 51	50W
QR 111	100W
HIR-111-CE	35W

LED

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
50000 h **L80**
- Color temperature:
Warm white **3000K**

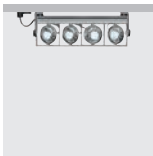
Energy saving

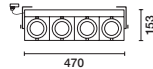
lumen lm	LED	QR CBC 51 	
2000	19W	2x50W	81%


(3000K) LED energy saving compared with conventional lamps

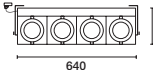


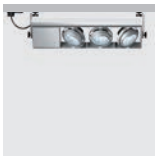
spotlight

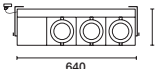
light source	W	code colour
 QRCBC51 (GU5,3)	Electronic transformer 4x50 W 12V	2729 15



 QR 111 (G53)	Electronic transformer 4x100 W 12V	2730 15
--	---------------------------------------	---------




light source	W*	lm	optic	code colour
 LED	Passive dissipation			
Warm white				
3x19 W 2000			14°	MH06 15
3x19 W 2000			30°	MH07 15
3x19 W 2000			46°	MH08 15
Warm white - CRI>90				
3x19 W 1700			14°	MH09 15
3x19 W 1700			30°	MH10 15

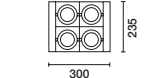



 HIR-111-CE (GX8,5)	Electronic 3x35 W	*2728 15
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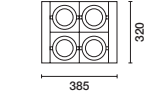
* Class of Insulation I


pendant

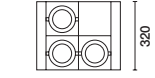
light source	W	code colour
 QRCBC51 (GU5,3)	Electronic transformer 4x50 W 12V	3051 15
Complete with steel suspension cables and power cable L=2000		




 QR 111 (G53)	Electronic transformer 4x100 W 12V	3052 15
Complete with steel suspension cables and power cable L=2000		



light source	W*	lm	optic	code colour
 LED	Passive dissipation			
Warm white DALI				
3x19 W 2000			14°	MG94 15
3x19 W 2000			30°	MG95 15
3x19 W 2000			46°	MG96 15
Warm white DALI - CRI>90				
3x19 W 1700			14°	MG97 15
3x19 W 1700			30°	MG98 15



 HIR-111-CE (GX8,5)	Electronic 3x35 W	*3184 15
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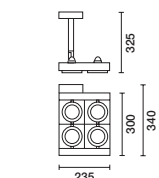
* Class of Insulation I

Complete with steel suspension cables and power cable L=2000

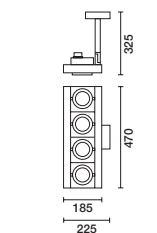


wall mounted

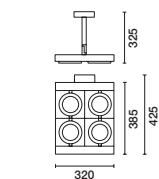
light source	W*	lm	optic	code colour
QR CBC51 (GU5,3)	Electronic transformer			
	4x50W 12V			5181 15
Complete with one adjustable fixing rod				



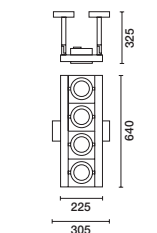
light source	W*	lm	optic	code colour
QR CBC51 (GU5,3)	Electronic transformer			
	4x50W 12V			5179 15
Complete with one adjustable fixing rod				



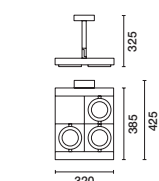
light source	W*	lm	optic	code colour
QR 111 (G53)	Electronic transformer			
	4x100W 12V			5182 15
Complete with one adjustable fixing rod				



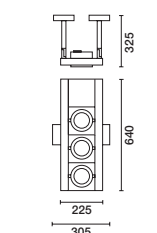
light source	W*	lm	optic	code colour
QR 111 (G53)	Electronic transformer			
	4x100W 12V			5180 15
Complete with two adjustable fixing rods				



LED	Passive dissipation	Warm white DALI		
		3x19W 2000	14°	MH18 15
		3x19W 2000	30°	MH19 15
		3x19W 2000	46°	MH20 15



LED	Passive dissipation	Warm white DALI		
		3x19W 2000	14°	MH30 15
		3x19W 2000	30°	MH31 15
		3x19W 2000	46°	MH32 15

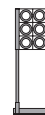


LED	Passive dissipation	Warm white DALI - CRI>90		
		3x19W 1700	14°	MH21 15
		3x19W 1700	30°	MH22 15

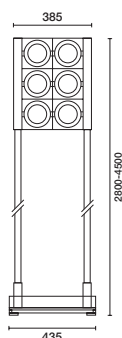
HIR-111-CE	Electronic			
(GX8,5)		3x35W		*5145 15
* Class of Insulation I				
Complete with one adjustable fixing rod				

LED	Passive dissipation	Warm white DALI - CRI>90		
		3x19W 1700	14°	MH33 15
		3x19W 1700	30°	MH34 15

HIR-111-CE	Electronic			
(GX8,5)		3x35W		*5146 15
* Class of Insulation I				
Complete with two adjustable fixing rods				



floor lamp



light source	W*	lm	h	optic	code colour
LED	Passive dissipation				
Warm white					
6x19W 2000	2800	14°	MH42	15	
6x19W 2000	2800	30°	MH43	15	
6x19W 2000	2800	46°	MH44	15	
Warm white - CRI>90					
6x19W 1700	2800	14°	MH45	15	
6x19W 1700	2800	30°	MH46	15	

Class of Insulation I
Designed for separate switch-on of 3 groups of lamps
and equipped with L=2000 cable with plug.

accessories

	code	colour
● Refractor for elliptical distribution	8766	24 for QR CBC51
	8771	24 for QR 111 - HIR-111-CE
● Optical diffuser for LED	MXG3	24 medium
	MXG4	24 flood
	MXG5	24 elliptical
● Coloured filters	8753	05-06-09 65 for QR CBC51
	8754	05-06-09 65 for QR 111 - HIR-111-CE
● Louvre	8775	04 for QR CBC51
└ Cover for adapter IP40	6854	01-04 for versions with adapter for track

Cerchio - Zoom

design Bruno Gecchelin



Cerchio



Zoom

Features



Cerchio

- Installation on low voltage track, Mini Limelight.
- Made of die-cast aluminium and thermoplastic material.
- 305° rotation around the vertical axis and inclination of 130° (35W) - 122° (50W) in relation to the horizontal plane.

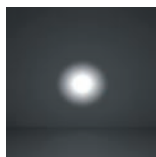


Zoom

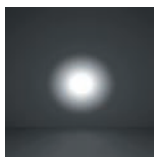
- Installation on low voltage track, Mini Limelight.
- Made of die-cast aluminium and thermoplastic material.
- 360° rotation around the vertical axis and inclination of 140° in relation to the horizontal plane.
- The fitting has a patented joint system that makes it highly adjustable and assures electrical conductivity.



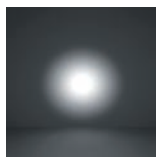
Optics and lamps



S - Spot
α from 9° to 15°



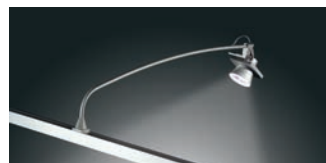
M - Medium
α from 16° to 25°

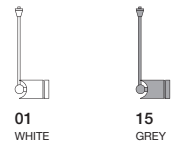


F - Flood
α from 26° to 39°


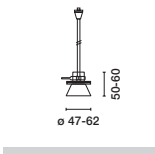

QR-CBC 35	35 - 50W
QR-CBC 51	35 - 50W

Fitting on a curved rod






Cerchio

	light source	W	code	colour
	QR CBC 35 (GU4)	Straight rod L=70	35 W 12 V	6327 15
		Straight rod L=300	50 W 12 V	6328 15
	QR CBC 51 (GU5,3)	Straight rod L=70	35 W 12 V	6329 15
		Straight rod L=300	50 W 12 V	6330 15
	QR CBC 35 (GU4)	Curved rod	35 W 12 V	6334 15
		QR CBC 51 (GU5,3)	Curved rod	50 W 12 V





Technical drawings for Cerchio fixtures show a diameter of $\varnothing 47-62$ and a height of 50-60 mm.

Zoom

	light source	W	code	colour
	QR CBC 51 (GU5,3)	Straight rod L=70	50 W 12 V	6314 01-15
		Straight rod L=300	50 W 12 V	6315 01-15
		Straight rod L=500	50 W 12 V	6316 01-15
		Straight rod L=800	50 W 12 V	6317 01-15

Technical drawing for Zoom fixture shows a diameter of $\varnothing 55$, a base width of 92 mm, and a height of 106-336 mm (536-836 mm).

accessories

	code	colour	code	colour
 Coloured filters	---	---	8658	05-06-09 24 65
 Directional flaps	6000	04 for QR CBC35	8740	04
	6001	04 for QR CBC51		
 Base with 50 W electronic transformer, for ceiling application	6091	01-15 h46 - $\varnothing 123$	6091	01-15 h46 - $\varnothing 123$
 Recessed base Hole for installation 63 mm	6092	01-15 h89 - $\varnothing 71$	6092	01-15 h89 - $\varnothing 71$

iDuo

design Jean Michel Wilmotte

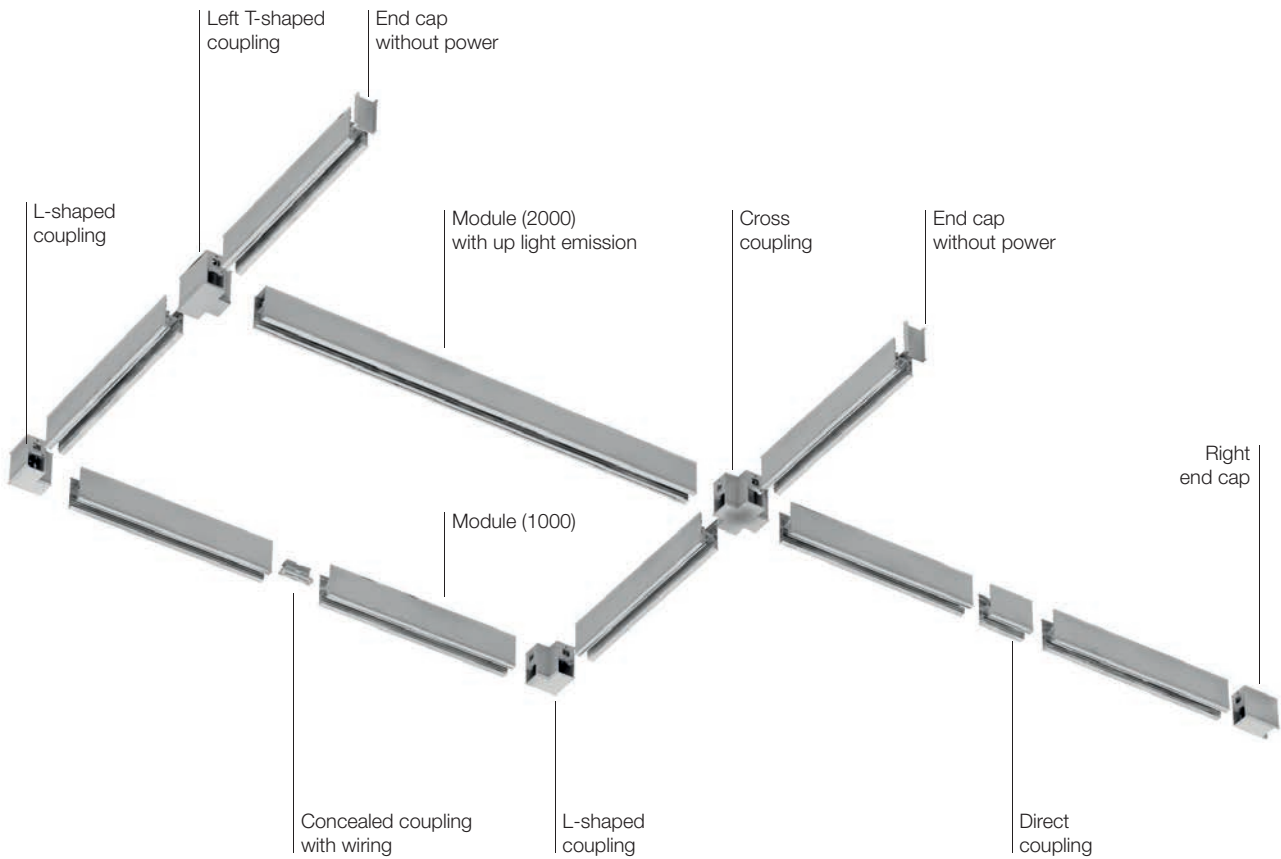


Features



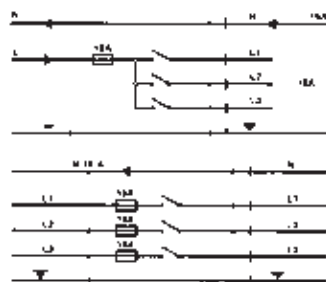
- Aluminium track.
- The track houses the wires that are shielded by rigid extruded isolating material. The isolating material has very high dielectric resistance.
- The 3-phase wires with a common ground provide 3 separate circuits that allow the use of 3 distinct switches. Powering the track to the one phase network, the maximum load is 16° (3500 VA), divided up in 3 circuits.
- Connection to the 3-phase power network allows the system to have a total load of 16° (10500 VA) divided into 3 circuits (3x3500 VA).
- The lateral position of the grounding element makes the track structure asymmetrical. Therefore, the connecting joints must be chosen by keeping this in mind.
- Also available: versions with T16 fluorescent modules for upright emission with electronic and dimmable DALI control gear. The electronic version features multi-power ballasts that allow users to select the power of the fluorescent tube.

Composition



Multiphase tracks

The electric conductor section offers the following installation possibilities:
 Operating voltage 220/250 V.
 Connection to the single-phase 220/250 V electric mains permits a total load of 16 A corresponding to 3500/4000 VA which may be subdivided over the 3 circuits.
 Operating voltage 220/380 V.
 Connection to the three-phase 220/380 V electric mains permits a total load of 16 A corresponding to 10500 VA which may be subdivided over 3 circuits (3x3500 VA).
 (Not for U.K. installation).



220/250 V

DALI tracks

The electric conductor section offers the following installation possibilities:
 Operating voltage 220/250 V.
 Connection to the single-phase 220/250 V electric mains permits a total load of 16 A.
 Operating voltage 220 V.



220/250 V



01
WHITE



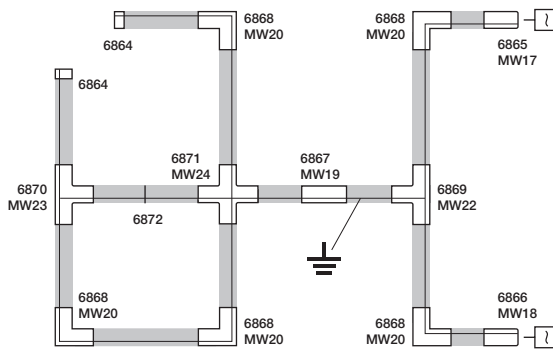
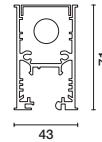
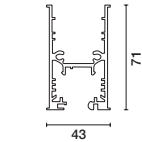
12
ALUMINIUM



light source	code colour
Module	
1000	6647 01-12
2000	6648 01-12
3000	6649 01-12
4000	6650 01-12



light source	code colour
Module DALI	
1000	6666 01-12
2000	6667 01-12
3000	6668 01-12
4000	6669 01-12



light source	W	lungh.	code colour
T 16 (G5)			
Module with up light emission			
Multiwatt			
28/54 W		2000	6651 01-12
35/49/80 W		3000	6652 01-12
DALI multiwatt			
28/54 W		2000	6654 01-12
35/49/80 W		3000	6657 01-12
DALI module with up light emission			
Multiwatt			
28/54 W		2000	6670 01-12
35/49/80 W		3000	6671 01-12
DALI multiwatt			
28/54 W		2000	6673 01-12
35/49/80 W		3000	6676 01-12

Complete with polycarbonate upper safety screen
DALI versions occupies 1 address

couplings

	code colour 6864 01-15 Designed for suspended installation		code colour L-shaped coupling 6868 01-15 DALI L-shaped coupling MW20 01-15 Designed for suspended installation		code colour Cross coupling 6871 01-15 DALI cross coupling MW24 01-15 Designed for suspended installation
	code colour End cap right 6865 01-15 left 6866 01-15 DALI end cap right MW17 01-15 left MW18 01-15 Designed for suspended installation		code colour Long L-shaped coupling 9158 01-74 DALI long L-shaped coupling MW21 01-74 Designed for suspended installation For maximum allowed loads please consult the instruction sheet		code colour Concealed coupling with wiring 6872 01 Always in combination with suspension system
	code colour Direct coupling 6867 01-15 DALI direct coupling MW19 01-15 Designed for suspended installation		code colour T-shaped coupling right 6869 01-15 left 6870 01-15 DALI T-shaped coupling right MW22 01-15 left MW23 01-15 Designed for suspended installation		code colour Item for intermediate suspension 6873 00 Used to install the suspension system in intermediate position on track

accessories and installation systems

	code colour Upper safety screen for module L=1000 6875 24 for module L=2000 6876 24 for module L=3000 6877 24		code colour 4-pole power supply base with suspension cables L=2000 9176 15		code colour Suspension rods h=1000 with power supply 9 pole 9181 01-15 with power supply 5 pole 9180 01-15 without power supply 9179 01-15
	code colour Suspension cable with millimetric regulation L=2000 9187 00		code colour 5-pole power supply base with suspension cables L=2000 9177 01-15 (Transparent power supply cable with colour 15)		code colour Ceiling clamp 9182 00
	code colour Suspension cable L=2000 9186 00		code colour 9-pole power supply base with suspension cables L=2000 9178 01		code colour Load hook 10 Kg 8951 10
			code colour Cover strip L=1000 8968 01-04		

Standard track

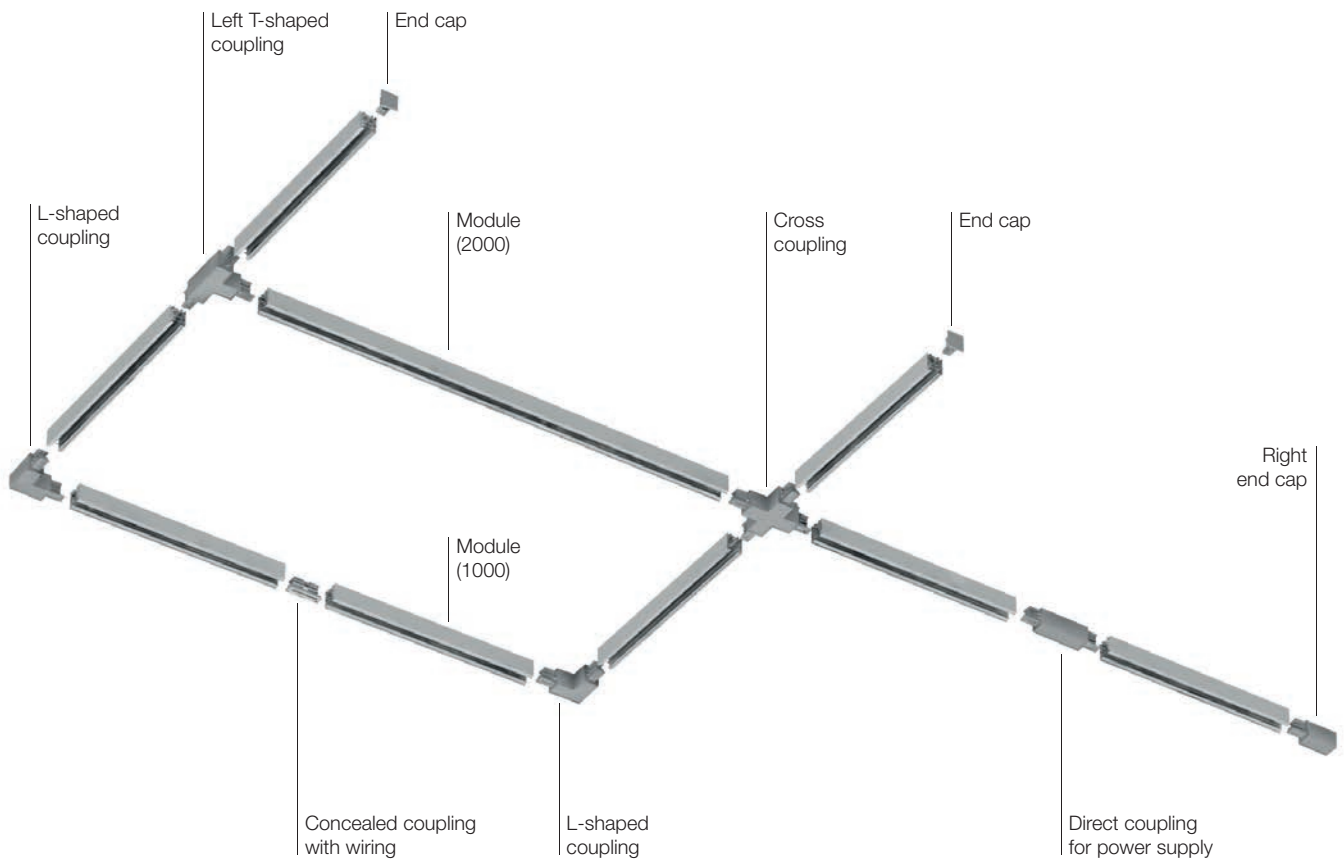


Features



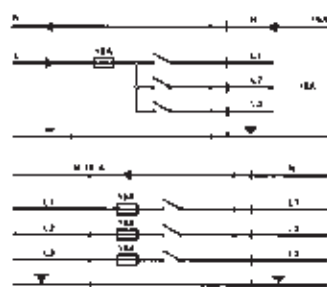
- Aluminium track.
- The track houses the wires that are shielded by rigid extruded isolating material. The isolating material has very high dielectric resistance.
- The 3-phase wires with a common ground provide 3 separate circuits that allow the use of 3 distinct switches. Powering the track to the one phase network, the maximum load is 16° (3500 VA), divided up in 3 circuits.
- Connection to the 3-phase power network allows the system to have a total load of 16° (10500 VA) divided into 3 circuits (3x3500 VA).
- The lateral position of the grounding element makes the track structure asymmetrical. Therefore, the connecting joints must be chosen by keeping this in mind.

Composition



Multiphase tracks

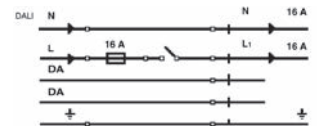
The electric conductor section offers the following installation possibilities:
 Operating voltage 220/250 V.
 Connection to the single-phase 220/250 V electric mains permits a total load of 16 A corresponding to 3500/4000 VA which may be subdivided over the 3 circuits.
 Operating voltage 220/380 V.
 Connection to the three-phase 220/380 V electric mains permits a total load of 16 A corresponding to 10500 VA which may be subdivided over 3 circuits (3x3500 VA).
 (Not for U.K. installation).



220/250 V

DALI tracks

The electric conductor section offers the following installation possibilities:
 Operating voltage 220/250 V.
 Connection to the single-phase 220/250 V electric mains permits a total load of 16 A.
 Operating voltage 220 V.



220/250 V

Standard track



01
WHITE



04
BLACK

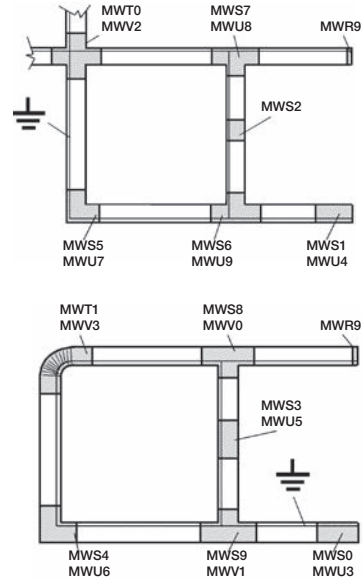


12
ALUMINIUM


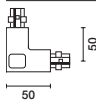
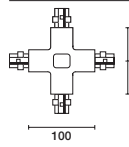

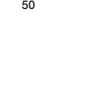
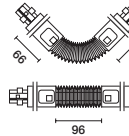

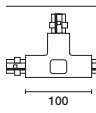






length	code colour
Module	
1000	6771 01-04-12
2000	6772 01-04-12
3000	6773 01-04-12
4000	6774 01-04-12
DALI module	
1000	6775 01-04-12
2000	6776 01-04-12
3000	6777 01-04-12
4000	6778 01-04-12










FLOOR VIEW



couplings

	code colour		code colour		code colour
	End cap MWR9 01-04		L-shaped coupling earth wire internal MWS4 01-04 external MWS5 01-04		Cross coupling MWT0 01-04 DALI cross coupling MWV2 01-04
	Power supply end cap with earth contact right MWS0 01-04 left MWS1 01-04		DALI L-shaped coupling earth wire internal MWU6 01-04 external MWU7 01-04		Flexible coupling MWT1 01-04 DALI flexible coupling MWV3 01-04
	DALI power supply end cap with earth contact right MWU3 01-04 left MWU4 01-04		T-shaped coupling earth wire right + internal MWS8 01-04 left + internal MWS9 01-04 right + external MWS7 01-04 left + external MWS6 01-04		DALI T-shaped coupling earth wire right + internal MWV0 01-04 left + internal MWV1 01-04 right + external MWU8 01-04 left + external MWU9 01-04
	Concealed coupling MWS2 01-04 with wiring				
	Direct coupling MWS3 01-04 for power supply				
	DALI direct coupling MWU5 01-04 for power supply				

installation systems

	code colour		code colour		code colour
	Suspension cable with millimetric regulation L=2000 MWW6 01-04		Suspension system with double cable MWW5 01-04-15		Ceiling clamp MWW8 00
	Suspension cable L=2000 MX66 12		Suspension rod h=1000 MWW4 01-04		Load hook 10 Kg MWW9 10
	Power supply cable L=2200 MW09 01-04-15 for DALI Standard track 8988 01-04 15 for Standard track		Cover strip L=1000 MWW7 01-04		Tool for track wires conformation MWX0 00

Recessed tracks



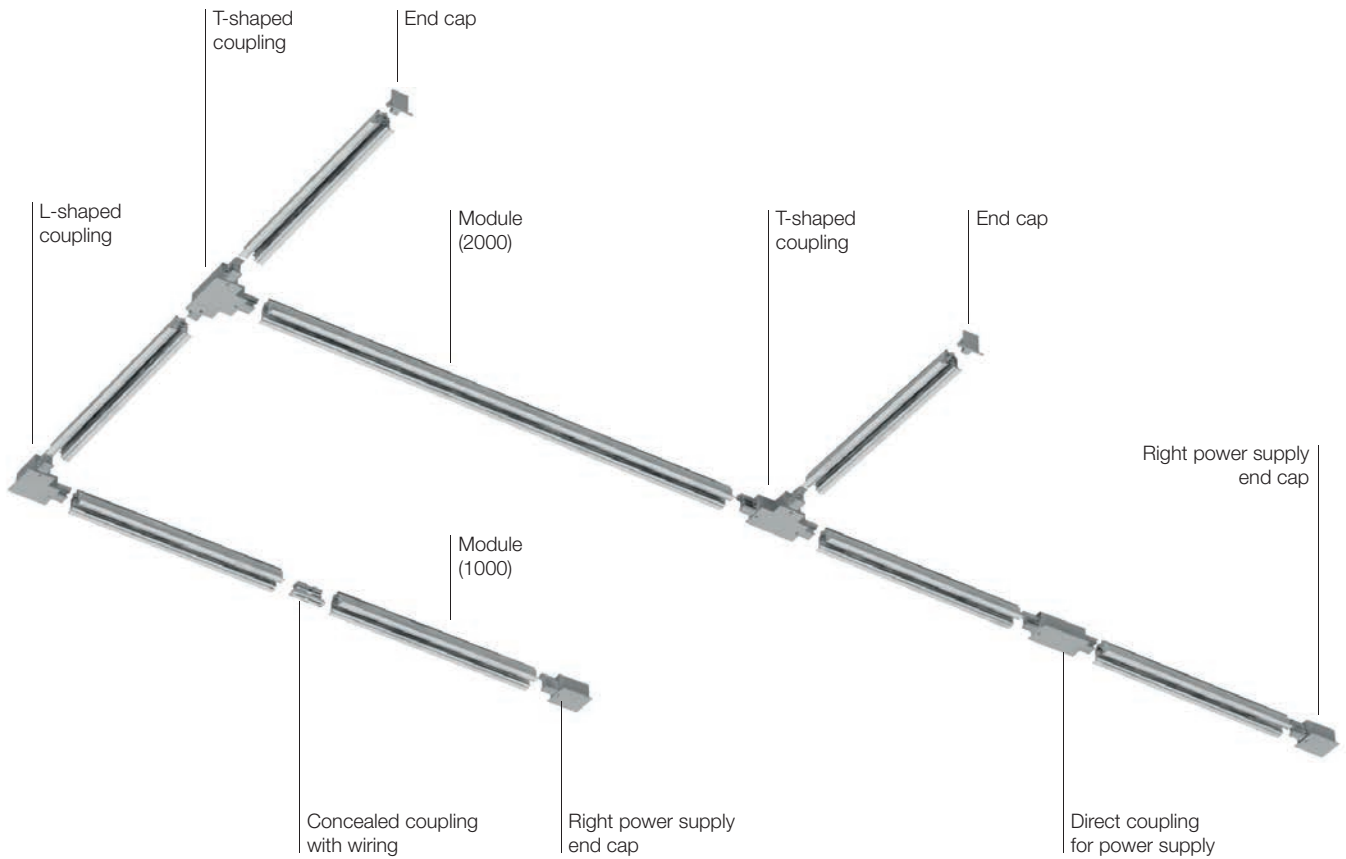
Features



- Made of aluminium.
 - Has two lateral wings that serve as supports for false ceiling panels.
 - The conductors are housed in the track and enclosed in a rigid, extruded casing made of an insulating material with high dielectric strength.
 - The 3 conductors together with the neutral wire form 3 separate circuits, which make 3 switching arrangements possible.
- If the power supply to the track is

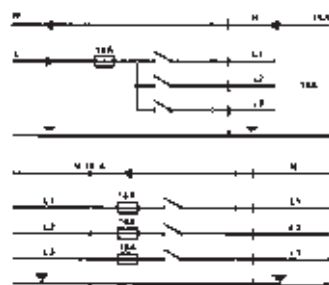
- single-phase, the maximum load is 16 A (3500/4000 VA) which can be divided among the 3 circuits.
- If the track is connected to a three-phase power supply, the maximum total is 16A (10500 VA) which can be divided among the 3 circuits (3x3500 VA).
- The decentralized position of the earth contact renders the track structure asymmetrical. Therefore the connecting joints must be chosen accordingly.

Composition



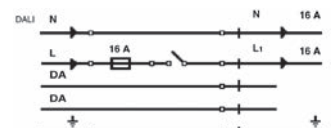
Multiphase tracks

The electric conductor section offers the following installation possibilities:
 Operating voltage 220/250 V.
 Connection to the single-phase 220/250 V electric mains permits a total load of 16 A corresponding to 3500/4000 VA which may be subdivided over the 3 circuits.
 Operating voltage 220/380 V.
 Connection to the three-phase 220/380 V electric mains permits a total load of 16 A corresponding to 10500 VA which may be subdivided over 3 circuits (3x3500 VA).
 (Not for U.K. installation).



DALI tracks

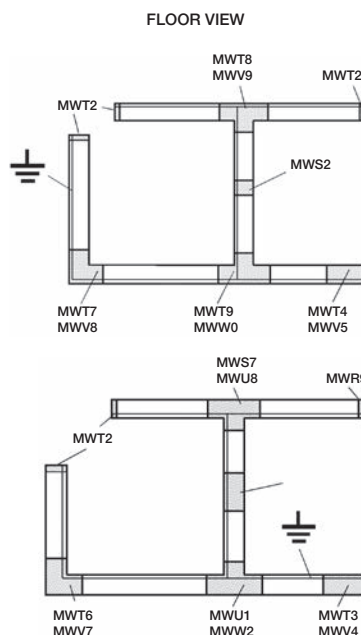
The electric conductor section offers the following installation possibilities:
 Operating voltage 220/250 V.
 Connection to the single-phase 220/250 V electric mains permits a total load of 16 A.
 Operating voltage 220 V.




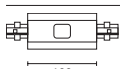
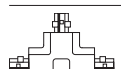



Recessed tracks









length	code colour
Module	
1000	6779 01-04-12
2000	6780 01-04-12
3000	6781 01-04-12
4000	6782 01-04-12
DALI module	
1000	6783 01-04-12
2000	6784 01-04-12
3000	6785 01-04-12
4000	6786 01-04-12



couplings

	code colour		code colour		code colour
	End cap MWT2 01-04		Direct coupling for power supply MWT5 01-04		T-shaped coupling earth wire
	Power supply end cap with earth contact		DALI direct coupling for power supply MWV6 01-04		right + internal MWU0 01-04
	right MWT3 01-04				left + internal MWU1 01-04
	left MWT4 01-04				right + external MWT8 01-04
	DALI power supply end cap with earth contact		L-shaped coupling earth wire		left + external MWT9 01-04
	right MWV4 01-04		internal MWT6 01-04		DALI T-shaped coupling earth wire
	left MWV5 01-04		external MWT7 01-04		right + internal MWV1 01-04
					left + internal MWV2 01-04
					right + external MWV9 01-04
					left + external MWV0 01-04
	Concealed coupling with wiring MWS2 01-04				

installation systems

	Suspension cable with millimetric regulation L=2000 MWV6 01-04		Ceiling clamp MWV8 00
	Suspension cable L=2000 MX66 12		Load hook 10 Kg MWV9 10
	Cover strip L=1000 MWV7 01-04		Tool for track wires conformation MWV0 00

Mini Limelight

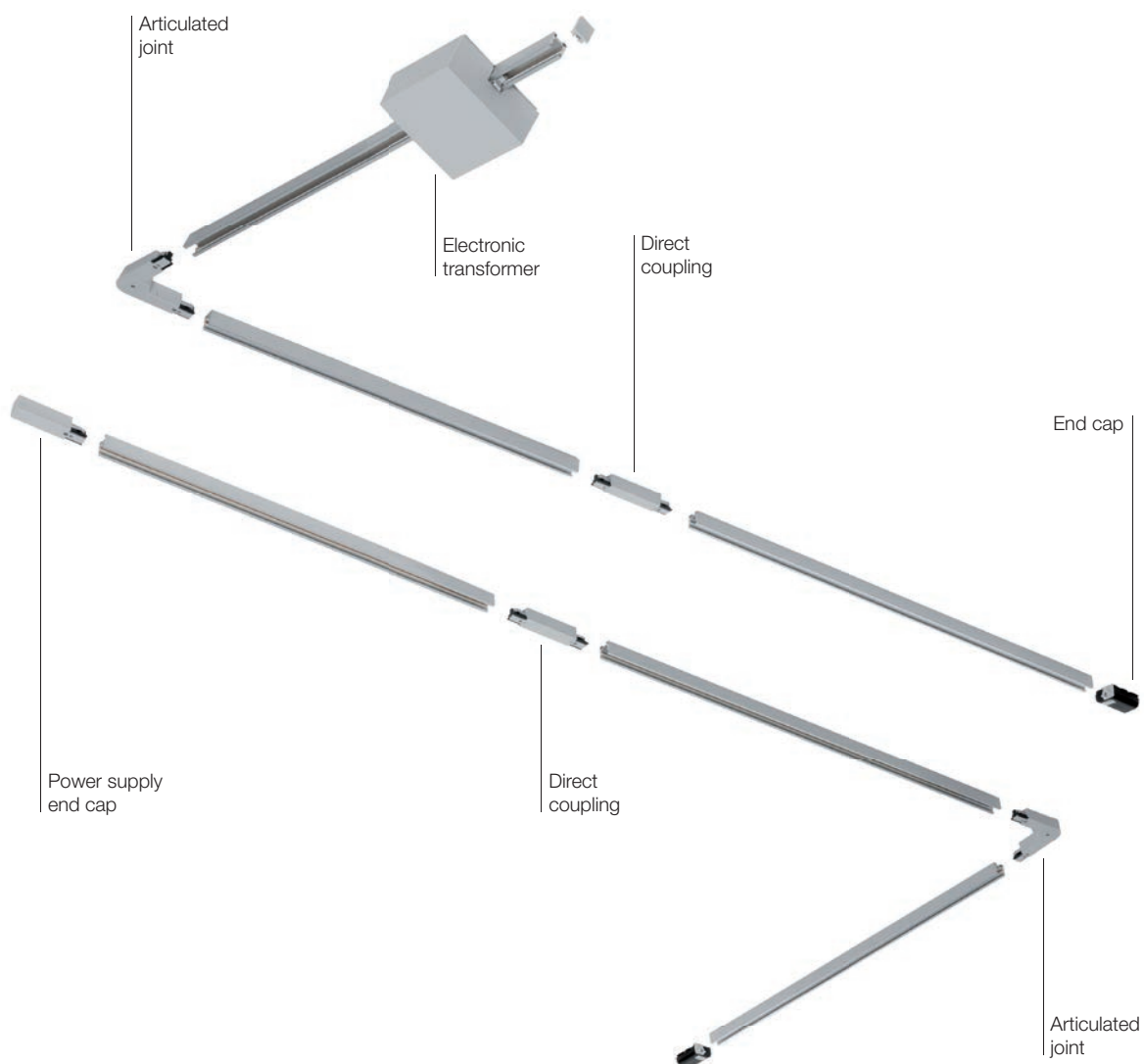


Features



- Single-phase low voltage track, made for 12 V halogen lamp spotlights.
- Certified for 12 V and for a maximum current of 25 Amps, in compliance with the recent CENELEC norms for low-voltage tracks.
- The is fed by a 50/200W transformer for tracks up to 2000 mm in length.

Composition



Mini Limelight



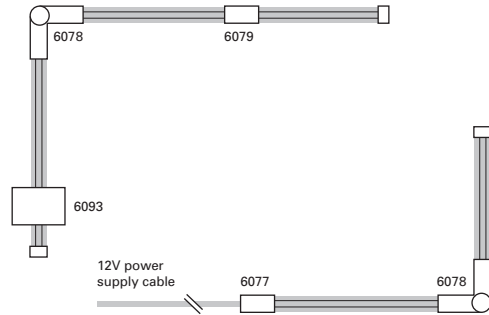
01
WHITE



12
ALUMINIUM



length	code colour
Module	
500	6065 01-12
1000	6066 01-12
2000	6067 01-12
3000	6068 01-12



couplings

	code colour		code colour
<p>50/200 W electronic transformer for 2 m. max. track lengths Equipped with two end caps Only for track installation</p>	6093 01-15	<p>Direct coupling Equipped with two end caps</p>	6079 01-15
<p>End cap for 12V power supply Equipped with one end cap</p>	6077 01-15	<p>Articulated joint</p>	6078 01-15

installation systems

	code	colour		code	colour
<p>Suspension cable L=2000</p>	6081	00	<p>Cable to hang paintings L=2000</p>	6087	00
<p>Power cable for electronic transformer and suspension cable for precise adjustments L=2000 mm</p>	6088	01-15	<p>Wall attachment</p>	6089	01-15
<p>Power supply cable for electronic transformer L=2000 mm</p>	6086	01-15	<p>Ceiling attachment</p>	6090	00
			<p>Slanting rod h=500 h=1000</p>	6097 6098	01-15 01-15



General lighting systems

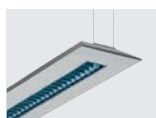
General lighting systems



230 iPlan LED



239 Lightshine LED



242 Light air



245 Mini Light air



283 Lineup darklight



283 Lineup general light



248 Action



254 Y Light



259 iN90



259 iN60 LED



259 iN30 LED

Recessed luminaires



230 iPlan LED



235 iPlan Easy LED



274 Wide plus



276 Wide basic



278 Galaxy LED



280 Lineup darklight



280 Lineup general light



280 Lineup wall washer



248 Action



259 iN90

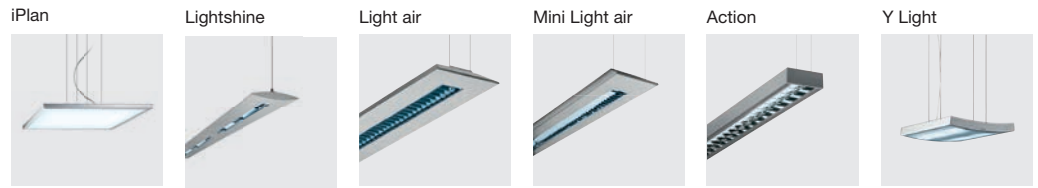













259 iN60 LED



259 iN30 LED

General lighting systems



	iPlan	Lightshine	Light air	Mini Light air	Action	Y Light
 Diffuse General light	●	●	●	●	●	●
 Low luminance General light	●	●	●	●	●	●
 Up/down light	●	●	●	●	●	●
 Recessed installation	●				●	
 Ceiling installation	●				●	
 Wall installation	●					●
 Pendant installation	●	●	●	●		●
 Modular system		●	●		●	
 Floor lamp version	●					●
 LED light source	●	●				
 FL light source	●		●	●	●	●

iN90 - iN60 - iN30



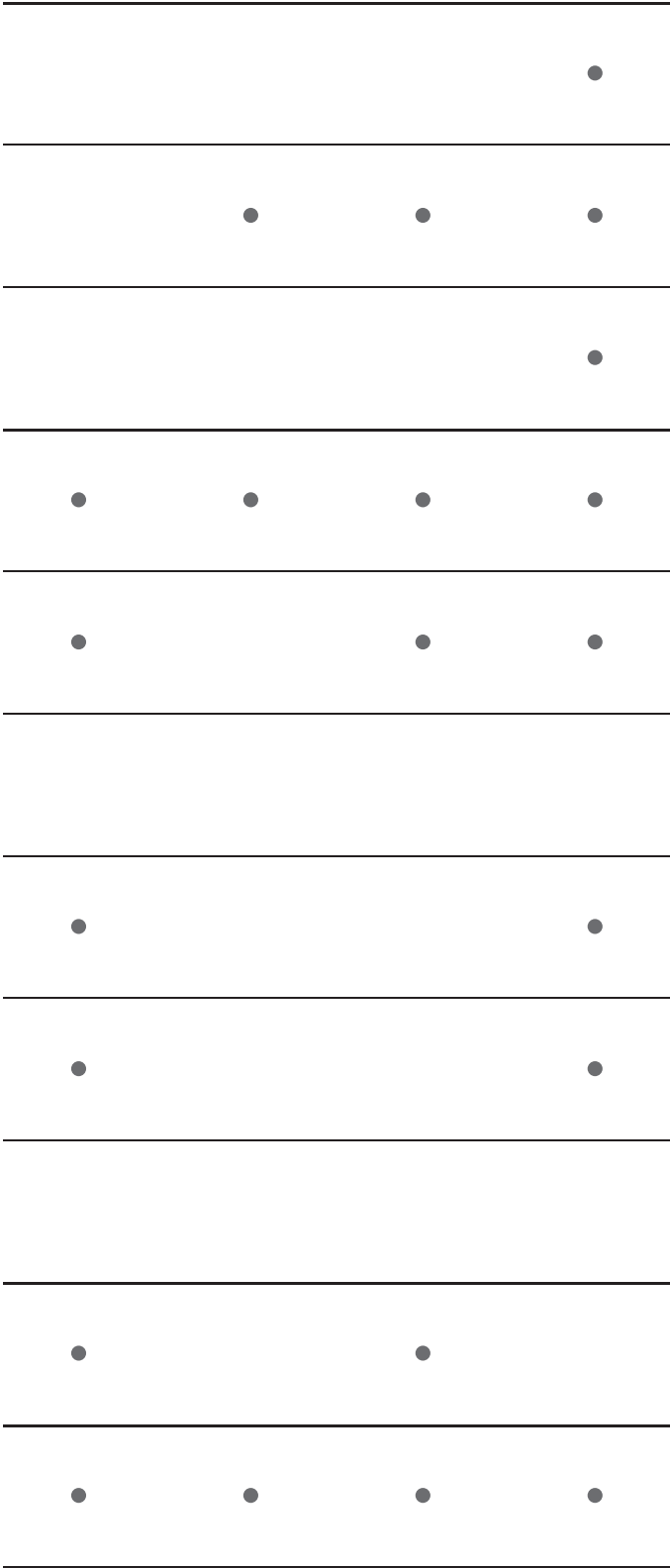
Wide



Galaxy



Lineup



General lighting systems

Controlled luminance



Luminaires equipped with these optic are suitable for use in environments with video terminals in accordance with EN 12464-1.



High output

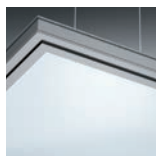


These luminaires allow compliance with European standards, guaranteeing a high level of light output and consequent energy savings.



Opal diffuser

Luminaires with frosted polycarbonate diffuser screen guarantee diffused, uniform light distribution.



Microprismatic diffuser

Luminaires with a micro-prismatic screen provide high luminous efficiency and perfect luminance control UGR<19.

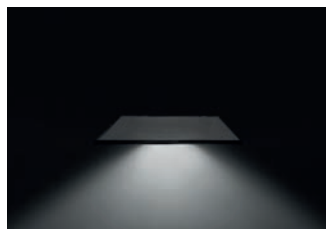


Light emissions

The possibility of “modulating” the flow of light emission allows correct lighting of the relevant working areas with down light, simultaneously with up light, always with the right uniformity and optimum visual comfort.



Up down lighting



Down lighting



Up lighting

Electronic features



Ballast Multiwatt

The luminaires are equipped with ballasts for fluorescent lamps which allow selection of the installed power. This means greater flexibility in terms of use and consequent energy savings.



Emergency lighting

Luminaires incorporating an emergency device, in compliance with the regulations governing their use, are now widespread in homes, offices and public areas.



Switch Dim

This system allows DALI luminaires to be dimmable even using a standard electric button.



DALI protocol

Digital Adressable Lighting Interface
This technology allows not just energy savings, but also customised lighting set-ups.

General lighting systems

Installation

Single and continuous line pendant luminaires

Luminaires are available in the "single" version complete with power supply base and suspension cables, or in the "continuous line" version for modular installation.



Individual pendant



Continuous line pendant



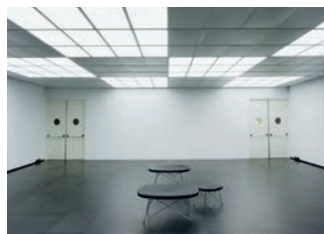
Cable millimetric regulation

During installation this device allows for positioning the luminaire perfectly parallel to the horizontal plane. According to the product, it can be housed in the optical assembly or suspension base.



Recessed luminaires for modular false ceilings

Modular recessed luminaires are designed for offices, meeting rooms, business premises, dealerships, waiting rooms and transit zones with standard module false ceilings. These luminaires have many advantages: reduced height, rapid fixing, easy installation.



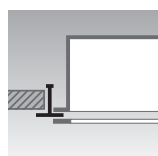
Reduced height

The extremely limited height of these luminaires means that they can even be fitted in the lowest false ceilings.

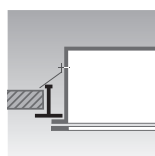


Installation

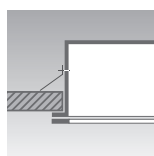
Special accessories are used to install these modular recessed luminaires in any type of false ceiling and/or wall.



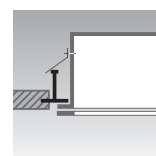
Grid installation from above



Grid installation from below



Plasterboard application



Installation: recessed in false ceiling frame from below



Features



- Luminaire with direct and indirect/ direct emission equipped with fluorescent and LED sources.
- Available in suspended, ceiling mounted, and recessed versions.
- Optical assembly in anodised extruded aluminium, methacrylate diffuser screen for general light emission or microprismatic for controlled luminance emission UGR<19.
- Versions with electronic and DALI control gear and emergency with inverter (FL versions).
- Pendant versions ready for contemporary start of both light emissions (direct and indirect); complete with driver, support cables L=1500 mm and power supply base.
- Ceiling mounted versions with installation kit to be ordered separately as an accessory.
- Floor versions with DALI and DALI ACTILUME electronic control gear with motion and lux sensors.

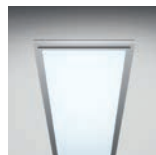


Compact size

Light distribution

Opal diffuser

The version with frosted methacrylate opale diffuser screen guarantees diffused, uniform light distribution.



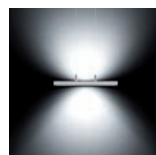
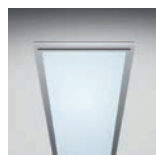
Up/down light for pendant



Down light for recessed and wall/ceiling mounted

Prismatized diffuser (only for LED version)

Luminaires with a micro-prismatic screen provide high luminous efficiency and perfect luminance control UGR<19.



Up/down light for pendant

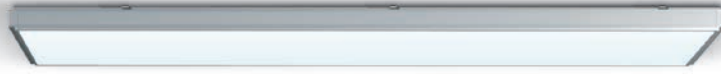


Down light for recessed and wall/ceiling mounted

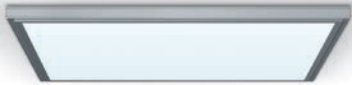
Versions

Available in the following versions:

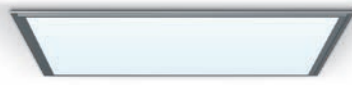
- wall/ceiling-mounted
- recessed
- pendant
- floor lamp



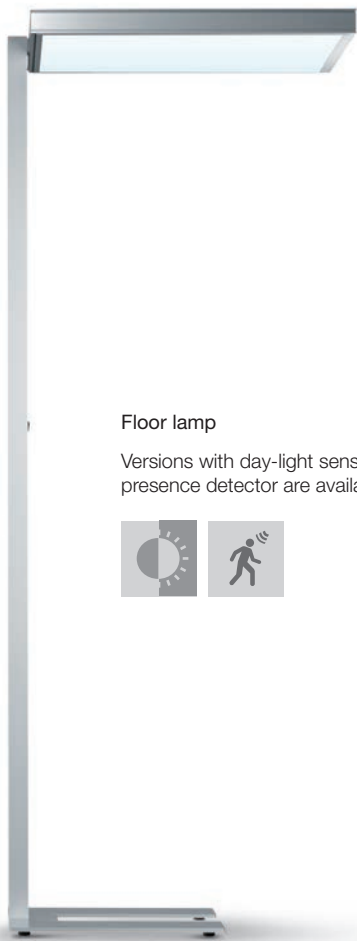
Ceiling-mounted



Ceiling-mounted



Recessed

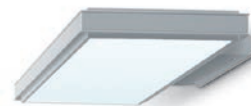


Floor lamp

Versions with day-light sensor and presence detector are available



Wall-mounted installation



Wall-mounted
Up light 60%
Down light 40%



Pendant

light source	W*	lm	length	code colour
LED	Up/down light - Low contrast			
	Neutral white			
	45 W	7100	600	ME68 12
	Warm white			
45 W	6600	600	ME69 12	
Neutral white DALI				
45 W	7100	600	ME70 12	
Warm white DALI				
45 W	6600	600	ME71 12	
new	Up/down light - UGR<19 3000 cd/m²			
Neutral white				
• 45 W	7100	600	N257 12	
Warm white				
• 45 W	6600	600	N258 12	
Neutral white DALI				
• 45 W	7100	600	N259 12	
Warm white DALI				
• 45 W	6600	600	N260 12	
new	Up/down light - UGR<19 1500 cd/m²			
Neutral white DALI				
• 35 W	5850	600	N249 12	
Warm white DALI				
• 35 W	5400	600	N250 12	

DALI versions occupy 1 address.
Complete with power supply base
and suspension cables L=1500.

light source	W*	lm	length	code colour
LED	Up/down light - Low contrast			
	Neutral white			
	45 W	7100	1200	ME76 12
	Warm white			
45 W	6600	1200	ME77 12	
Neutral white DALI				
45 W	7100	1200	ME78 12	
Warm white DALI				
45 W	6600	1200	ME79 12	
new	Up/down light - UGR<19 3000 cd/m²			
Neutral white				
• 45 W	7100	1200	N261 12	
Warm white				
• 45 W	6600	1200	N262 12	
Neutral white DALI				
• 45 W	7100	1200	N263 12	
Warm white DALI				
• 45 W	6600	1200	N264 12	
new	Up/down light - UGR<19 1500 cd/m²			
Neutral white DALI				
• 35 W	5850	600	N251 12	
Warm white DALI				
• 35 W	5400	600	N252 12	

DALI versions occupy 1 address.
Complete with power supply base
and suspension cables L=1500.

light source	W*	lm	code colour
T 16 (G5)	Up/down light - UGR<19 1500 cd/m²		
	Multiwatt		
	2x35/49 W	1500	MC79 01-15
	2x28/54 W	1200	MC80 01-15
DALI multiwatt			
2x35/49 W	1500	MC81 01-15	
2x28/54 W	1200	MC82 01-15	
Multiwatt and permanent emergency light			
2x35/49 W	1500	MM42 01-15	


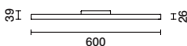
DALI versions occupy 1 address.
Complete with end cap, power supply base
and suspension cables L=1500.

accessories


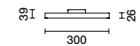
	code	colour
	MWX6	01-15 for versions FL - L=1500
	MWX5	01-15 for versions FL - L=1200
	MWX2	24 for versions FL - L=1500
	MWX1	24 for versions FL - L=1200



Recessed / wall / ceiling-mounted


	light source	W*	lm	length	code colour
 	LED	Low contrast			
		Neutral white			
		39W	6100	600	ME84 12
		Warm white			
		39W	5650	600	ME85 12
	Neutral white DALI				
	39W	6100	600	ME86 12	
	Warm white DALI				
	39W	5650	600	ME87 12	
	new Up/down light - UGR<19 3000 cd/m ²				
Neutral white					
•	39W	6100	600	N265 12	
Warm white					
•	39W	5650	600	N266 12	
Neutral white DALI					
•	39W	6100	600	N267 12	
Warm white DALI					
•	39W	5650	600	N268 12	
new Up/down light - UGR<19 1500 cd/m ²					
Neutral white DALI					
•	30W	5000	600	N253 12	
Warm white DALI					
•	30W	4650	600	N254 12	

DALI versions occupy 1 address



	light source	W*	lm	length	code colour
 	LED	Low contrast			
		Neutral white			
		39W	6100	1200	ME92 12
		Warm white			
		39W	5650	1200	ME93 12
	Neutral white DALI				
	39W	6100	1200	ME94 12	
	Warm white DALI				
	39W	5650	1200	ME95 12	
	new Up/down light - UGR<19 3000 cd/m ²				
Neutral white					
•	39W	6100	1200	N269 12	
Warm white					
•	39W	5650	1200	N270 12	
Neutral white DALI					
•	39W	6100	1200	N271 12	
Warm white DALI					
•	39W	5650	1200	N272 12	
new Up/down light - UGR<19 1500 cd/m ²					
Neutral white DALI					
•	30W	5000	600	N255 12	
Warm white DALI					
•	30W	4650	600	N256 12	

DALI versions occupy 1 address


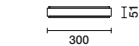
ceiling/wall-mounted installation

	code	colour
 Ceiling/wall-mounted installation kit	MX49	00
	for modules 600x600	
	MX50	00
for modules 300x1200		

recessed installation

	code	colour
 Adapter for installation in plasterboard false ceilings	9695	00
	for modules 600x600	
	9689	00
for modules 300x1200		
 Adapter for installation in false ceilings with 625x625 tiles	MX76	01-15

Ceiling-mounted

	light source	W	length	code colour
 	T 16 (G5)	UGR<19 1500 cd/m ²		
		Multiwatt		
		2x35/49W	1500	5187 01-15
		2x28/54W	1200	5188 01-15
		DALI multiwatt		
	2x35/49W	1500	5189 01-15	
	2x28/54W	1200	5190 01-15	
	Multiwatt and permanent emergency light			
	2x35/49W	1500	MM44 01-15	

DALI versions occupy 1 address

Wall-mounted

light source	W*	lm	length	code	colour
LED new	Up/down light				
Neutral white DALI					
•	32 W	4300	640	5192	01-15
Warm white DALI					
•	32 W	4100	640	5193	01-15
Neutral white DALI with inverter					
•	32 W	4300	640	5194	01-15
Warm white DALI with inverter					
•	32 W	4100	640	5195	01-15

DALI versions occupy 1 address



light source	W	length	code	colour
Up/down light				
Electronic				
TC-L (2G11)	2x55 W	640	5018	01-15
DALI				
	2x55 W	640	5019	01-15
Electronic and permanent emergency light				
	2x55 W	640	5020	01-15

DALI versions occupy 1 address



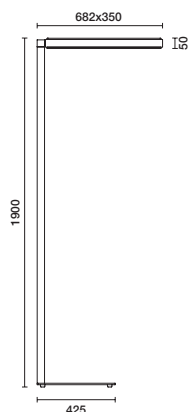
accessories

	code	colour
Upper safety screen	MWX4	24 for FL versions

Floor lamp

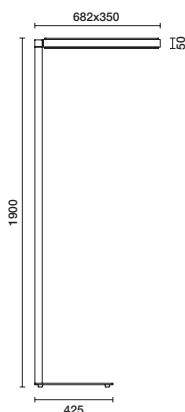
light source	W*	lm	code	colour
LED	Up/down light			
Neutral white DALI				
	32 W	4400 up	4589	01-15
	17 W	2200 down		
Neutral white DALI ACTILUME with motion and lux sensors				
	32 W	4400 up	4590	01-15
	17 W	2200 down		

Equipped with a L= 2000 mm cable with a plug



light source	W	code	colour
Up/down light			
Electronic double switch on			
TC-L (2G11)	4x28 W	4580	01-15
	4x55 W	4581	01-15
DALI			
	4x28 W	4583	01-15
	4x55 W	4584	01-15
DALI ACTILUME with motion and lux sensors			
	4x28 W	4586	01-15
	4x55 W	4587	01-15
Up/down light - UGR<19			
Electronic double switch on			
	2x55 W up	4582	01-15
	28 W down		
DALI			
	2x55 W up	4585	01-15
	28 W down		
DALI ACTILUME with motion and lux sensors			
	2x55 W up	4588	01-15
	28 W down		

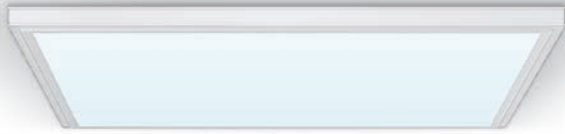
Equipped with a L= 2000 mm cable with a plug



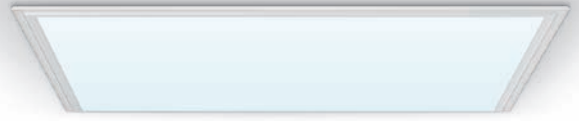
accessories

	code	colour
Upper safety screen	MWX3	24 for FL versions
Remote control for ACTILUME versions	9704	04 for 4586-4587-4588 4589-4590

iPlan Easy



Wall/ceiling-mounted



Recessed

Features



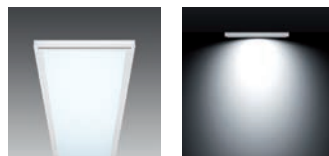
- Direct light emission LED fitting.
- Available in ceiling-mounted and recessed versions (using accessory kit).
- Optical assembly in painted extruded aluminium, methacrylate diffuser screen for general light emission or microprismatic for controlled luminance emission $UGR < 19$.
- Versions with electronic and DALI control gear.
- Luminaire reduced height.
- Ceiling mounted versions with installation kit to be ordered separately as an accessory. The same kit can be used to install the products on walls.



Light distribution

Opal diffuser

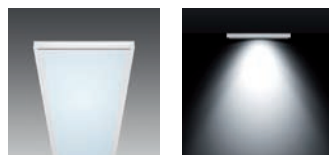
The version with frosted methacrylate diffuser screen guarantees diffused, uniform light distribution.




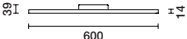
Down light
for recessed and
wall/ceiling mounted

Prismatized diffuser

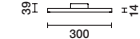
Luminaires with a micro-prismatic screen provide high luminous efficiency and perfect luminance control $UGR < 19$.



Down light
for recessed and
wall/ceiling mounted


light source	W*	lm	length	code colour	
 	LED	Low contrast			
	Neutral white	32W	4600	600	MT10 01
	Warm white	32W	4300	600	MT11 01
	Neutral white DALI	32W	4600	600	MT12 01
	Warm white DALI	32W	4300	600	MT13 01
	High contrast UGR<19				
	Neutral white	32W	4600	600	MT14 01
	Warm white	32W	4300	600	MT15 01
	Neutral white DALI	32W	4600	600	MT16 01
	Warm white DALI	32W	4300	600	MT17 01

On request available in colour 12 aluminium
DALI versions occupy 1 address



light source	W*	lm	length	code colour	
 	LED	Low contrast			
	Neutral white	32W	4600	1200	MT18 01
	Warm white	32W	4300	1200	MT19 01
	Neutral white DALI	32W	4600	1200	MT20 01
	Warm white DALI	32W	4300	1200	MT21 01
	High contrast UGR<19				
	Neutral white	32W	4600	1200	MT22 01
	Warm white	32W	4300	1200	MT23 01
	Neutral white DALI	32W	4600	1200	MT24 01
	Warm white DALI	32W	4300	1200	MT25 01

On request available in colour 12 aluminium
DALI versions occupy 1 address

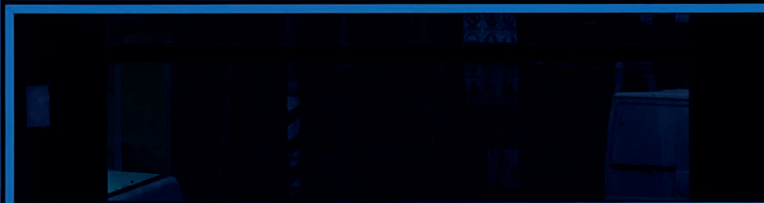
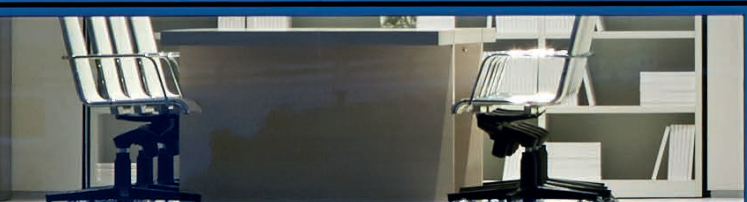
Ceiling/wall-mounted installation

	code	colour
 Ceiling/wall-mounted installation kit	MX49	00 for modules 600x600
	MX50	00 for modules 300x1200

Recessed installation

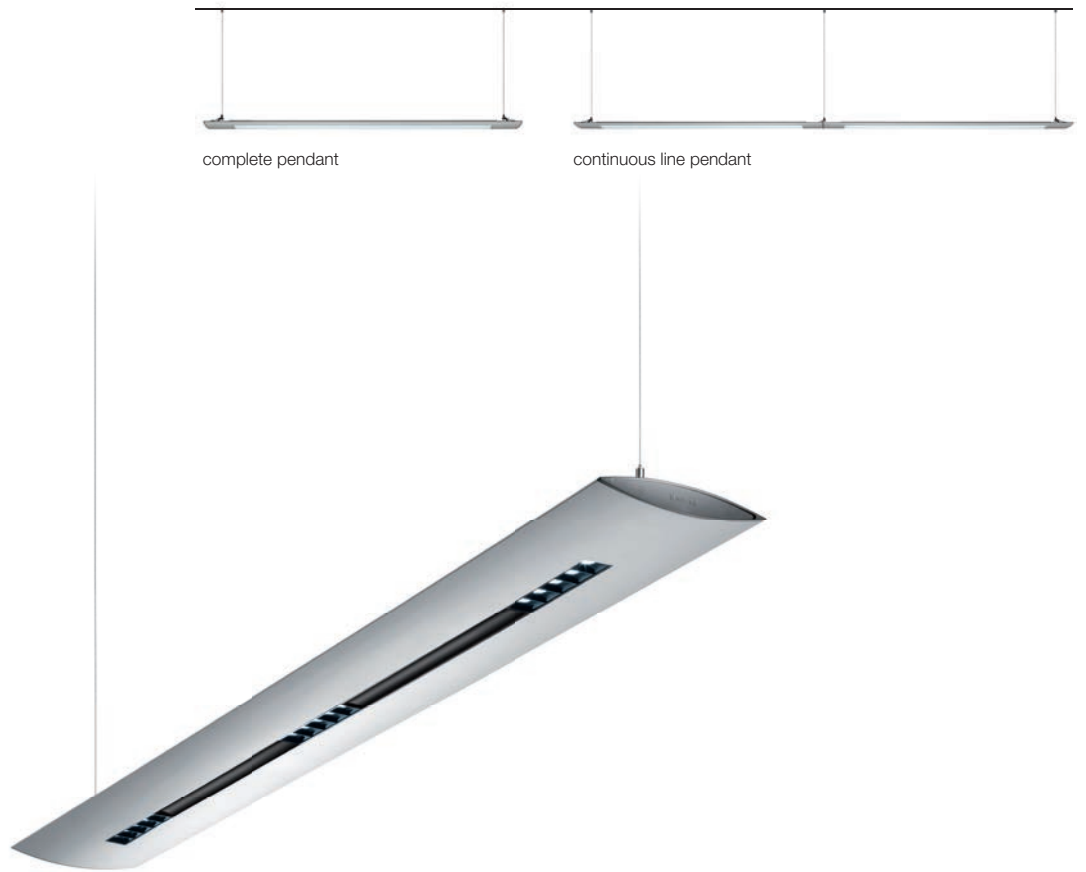
	code	colour
 Adapter for installation in plasterboard false ceilings	9695	00 for modules 600x600
	9689	00 for modules 300x1200
 Adapter for installation in false ceilings with 625x625 tiles	MX76	01-15





Lightshine

design Bruno Gecchelin



Features



- Suspended direct/indirect light emission LED system.
- Manufactured in very thin aluminium profile; thermoplastic end caps.
- Versions with electronic and DALI control gear.
- Luminaire reduced height.
- Available in two direct emission versions: low contrast for general light with opal diffuser screen; high contrast with modules for controlled luminance direct light UGR<19; diffused indirect emission for all versions.
- Suspension cables equipped with millimetric regulation system.



Compact size

Light distribution

Low Contrast

General light
Uniform, comfortable,
glare-free light emission.



Up/down light
Up 20%
Down 80%

High Contrast

UGR<19 visual comfort
High lighting design performance and
controlled luminance, ideal for areas
where video terminals are used.



Up/down light
Up 45%
Down 55%



Complete pendants

light source	W*	lm	length	code colour
LED	Up/down light - Low contrast			
	Neutral white			
45 W	7100	1387	MJ29	01-15
	Warm white			
45 W	7100	1387	MJ30	01-15
	Neutral white DALI			
45 W	7100	1387	MJ31	01-15
	Warm white DALI			
45 W	7100	1387	MJ32	01-15

Complete with end cap, power supply base and suspension cables L=1500

light source	W*	lm	length	code colour
LED	Up/down light - High contrast UGR<19			
	Neutral white			
54 W	5260	1284	MJ21	01-15
	Warm white			
54 W	4900	1284	MJ22	01-15
	Neutral white DALI			
54 W	5260	1284	MJ23	01-15
	Warm white DALI			
54 W	4900	1284	MJ24	01-15

Complete with end cap, power supply base and suspension cables L=1500

Continuous line modules

light source	W*	lm	length	code colour
LED	Up/down light - Low contrast			
	Neutral white			
45 W	6600	1381	MJ33	01-15
	Warm white			
45 W	6600	1381	MJ34	01-15
	Neutral white DALI			
45 W	6600	1381	MJ35	01-15
	Warm white DALI			
45 W	6600	1381	MJ36	01-15

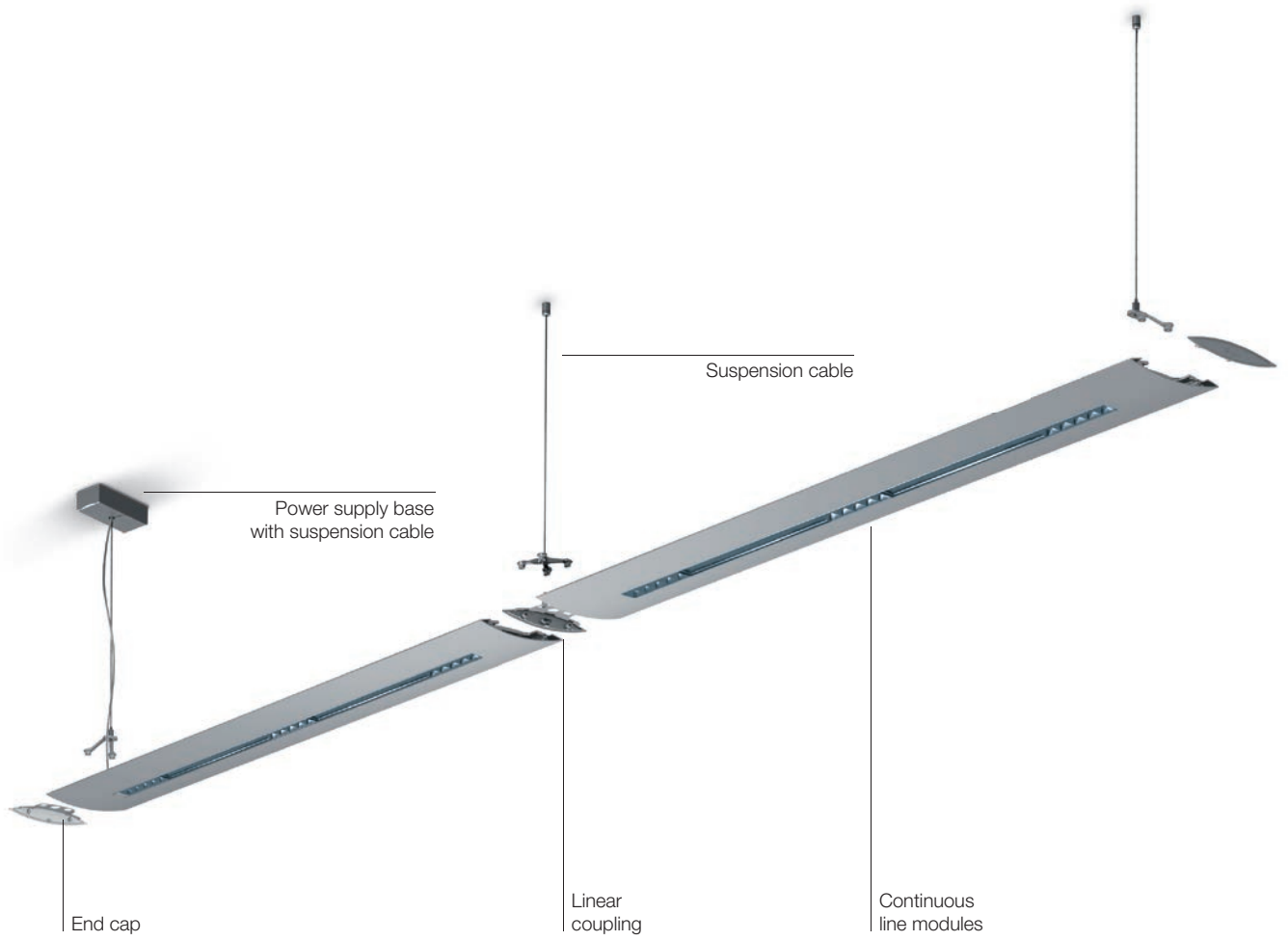
light source	W*	lm	length	code colour
LED	Up/down light - High contrast UGR<19			
	Neutral white			
54 W	5260	1278	MJ25	01-15
	Warm white			
54 W	4900	1278	MJ26	01-15
	Neutral white DALI			
54 W	5260	1278	MJ27	01-15
	Warm white DALI			
54 W	4900	1278	MJ28	01-15

installation systems

	code	colour
Two end caps	MX70	01-86
Linear coupling complete with suspension cable	MX71	01-86
Power supply unit with suspension cable L=1500	MX72	01
Suspension cable L=1500	MX73	00

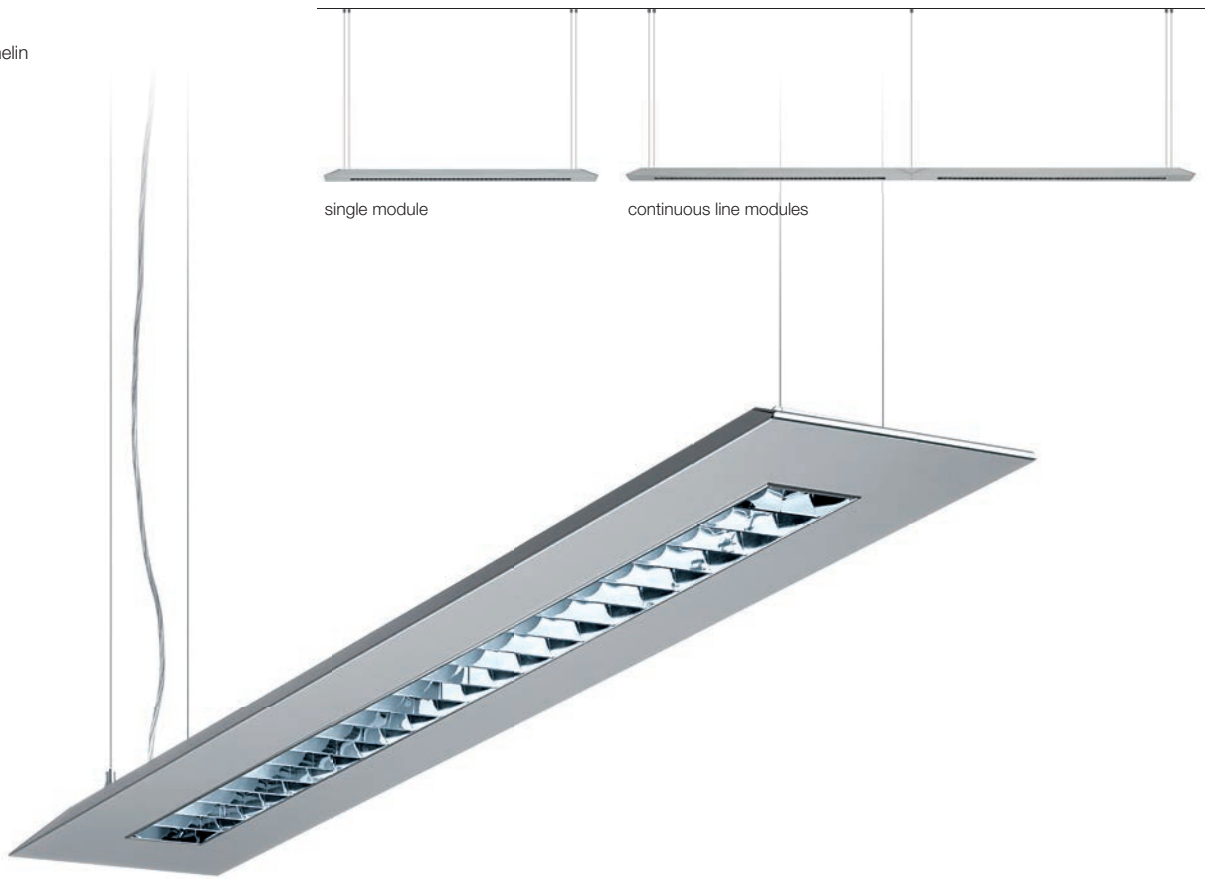
For information on system composition please refer to the instructions sheet

System composition



Light air

design Bruno Gecchelin



Features



- Pendant installation.
- Galvanised, painted sheet steel body.
- Versions with diffused light and dark VDU emission, using super-pure aluminium reflector a controlled luminance UGR<19.
- High level of light output.
- Available electronic and DALI control gear, and permanent emergency light; 1,5 hours autonomy with 12 hour recharging cycle - 3 hours autonomy with 24 hour recharging cycle. Conforms to EN60598-2-22.
- Dimmable DALI versions with Switch Dim: can be switched on and off via a regular electric button.
- Separate switches.
- Luminaire ready for pass-through wiring.
- Luminaire reduced height.
- Suspension cables equipped with millimetric regulation system.



Light distribution

Darklight

Negative contrast up/down module ($L \leq 200 \text{ cd/m}^2$), with super-pure specular aluminium optics, ideal for lighting offices where video terminals are used.



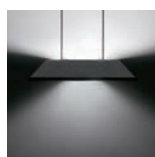
Up/down light

Down light

Down Light emission with cover accessory.

General light up/down light

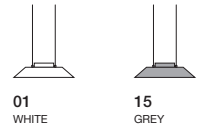
General light module with polycarbonate diffuser screen, for direct and up/down light. Creates diffused lighting ideal for offices, schools, shopping centres, stores, showrooms.



Up/down light

Down light

Down Light emission with cover accessory.

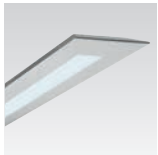


accessories and installation systems



light source	W	length	code colour
T 16 (G5)	Darklight up/down light module		
	Electronic		
	2x28 W	1400	3371 01-15
	2x35 W	1700	3372 01-15
	2x54 W	1400	3257 01-15
	DALI		
	2x28 W	1400	3393 01-15
	2x35/49 W	1700	3394 01-15
	2x54 W	1400	3259 01-15
Electronic and permanent emergency light with inverter			
2x35 W	1700	MM51 01-15	

DALI versions occupy 1 address



light source	W	length	code colour
T 16 (G5)	General light up/down light module		
	Electronic		
	2x35 W	1700	3377 01-15
	2x54 W	1400	3378 01-15
	2x80 W	1700	3255 01-15
	DALI multiwatt		
	2x35/49 W	1700	3395 01-15
	2x28/54 W	1400	3396 01-15
	Electronic and permanent emergency light with inverter		
2x35 W	1700	MM52 01-15	

DALI versions occupy 1 address

	code	colour
Upper cover for down light emission	9151	01-15 for Darklight module L=1400
	9152	01-15 for Darklight module L=1700
Upper safety screen	9119	24 for Darklight module L=1400
	9118	24 for Darklight module L=1700
Upper safety screen	9121	24 for General lightg module L=1400
	9120	24 for General lightg module L=1700
90° joint with end caps	9110	01-86
Intermediate coupling with suspension cable L=2000	9111	01-86
Base with suspension cables L=1500	9168	01-86
Power supply base with suspension cables L=1500	9169	01-86 for electronic versions
Versions with transparent power-supply cable are supplied upon request	9170	01-86 for DALI and emergency

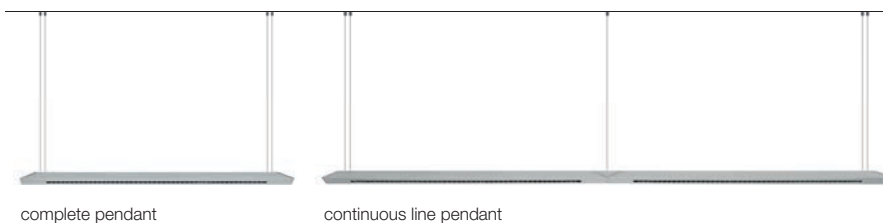
For information on system composition please refer to the instructions sheet

L'entra



Mini Light air

design Bruno Gecchelin



Features



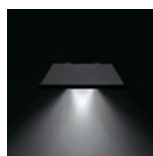
- Pendant installation.
- Galvanised, painted sheet steel body.
- Versions with diffused light and dark VDU emission, using super-pure aluminium reflector a controlled luminance $UGR < 19$.
- High level of light output.
- Available electronic and DALI control gear and emergency with inverter.
- Dimmable DALI versions with Switch Dim: can be switched on and off via a regular electric button.
- Separate switches.
- Luminaire ready for pass-through wiring.
- Luminaire reduced height.
- Suspension cables equipped with millimetric regulation system.



Light distribution

Darklight

The Dark VDU module $L \leq 1000 \text{ cd/m}^2$ for $\alpha > 65^\circ$ is ideal for offices with video terminals.



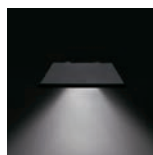
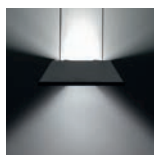
Up/down light

Down light

Down Light emission with cover accessory.

General light

The module with polycarbonate diffuser screen is recommended for diffused lighting for commercial premises, stores, showrooms and shopping centres.



Up/down light

Down light

Down Light emission with cover accessory.



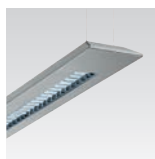
01
WHITE




15
GREY

Complete pendants

accessories




light source	W	length	code	colour
T 16 (G5)	Darklight up/down light			
	Multiwatt			
	35/49/80 W	1700	M105	01-15
	28/54 W	1400	M106	01-15
DALI multiwatt				
	28/54 W	1400	M107	01-15
	35/49/80 W	1700	M108	01-15
Multiwatt and permanent emergency light				
	35/49/80 W	1700	M109	01-15




DALI versions occupy 1 address
Complete with power supply base
and suspension cables L=1500

	code	colour
Upper cover for down light emission	2922	01
		15
		for versions L=1400
Upper safety screen	2923	01
		15
		for versions L=1700
Upper safety screen	2920	24
		for versions L=1400
Upper safety screen	2921	24
		for versions L=1700



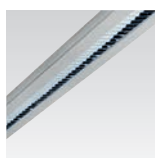
light source	W	length	code	colour
T 16 (G5)	General light up/down light			
	Multiwatt			
	35/49/80 W	1700	M116	01-15
	28/54 W	1400	M117	01-15
DALI multiwatt				
	28/54 W	1400	M118	01-15
	35/49/80 W	1700	M119	01-15
Multiwatt and permanent emergency light				
	35/49/80 W	1700	M120	01-15




DALI versions occupy 1 address
Complete with power supply base
and suspension cables L=1500

Continuous line modules

accessories and installation systems

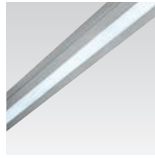


light source	W	length	code	colour
T 16 (G5)	Darklight up/down light module			
	Multiwatt			
	35/49/80 W	1700	3186	01-15
	28/54 W	1400	3187	01-15
DALI multiwatt				
	28/54 W	1400	3190	01-15
	35/49/80 W	1700	3191	01-15
Multiwatt and permanent emergency light				
	35/49/80 W	1700	3192	01-15




DALI versions occupy 1 address

	code	colour
Upper cover for down light emission	2922	01
		15
		for versions L=1400
Upper safety screen	2923	01
		15
		for versions L=1700
Upper safety screen	2920	24
		for versions L=1400
Upper safety screen	2921	24
		for versions L=1700
90° joint with end caps	2918	01-86
Two installation systems need to be ordered separately in order to apply the 90° joint		



light source	W	length	code	colour
T 16 (G5)	General light up/down light module			
	Multiwatt			
	35/49/80 W	1700	3193	01-15
	28/54 W	1400	3194	01-15
DALI multiwatt				
	28/54 W	1400	3197	01-15
	35/49/80 W	1700	3198	01-15
Multiwatt and permanent emergency light				
	35/49/80 W	1700	3199	01-15



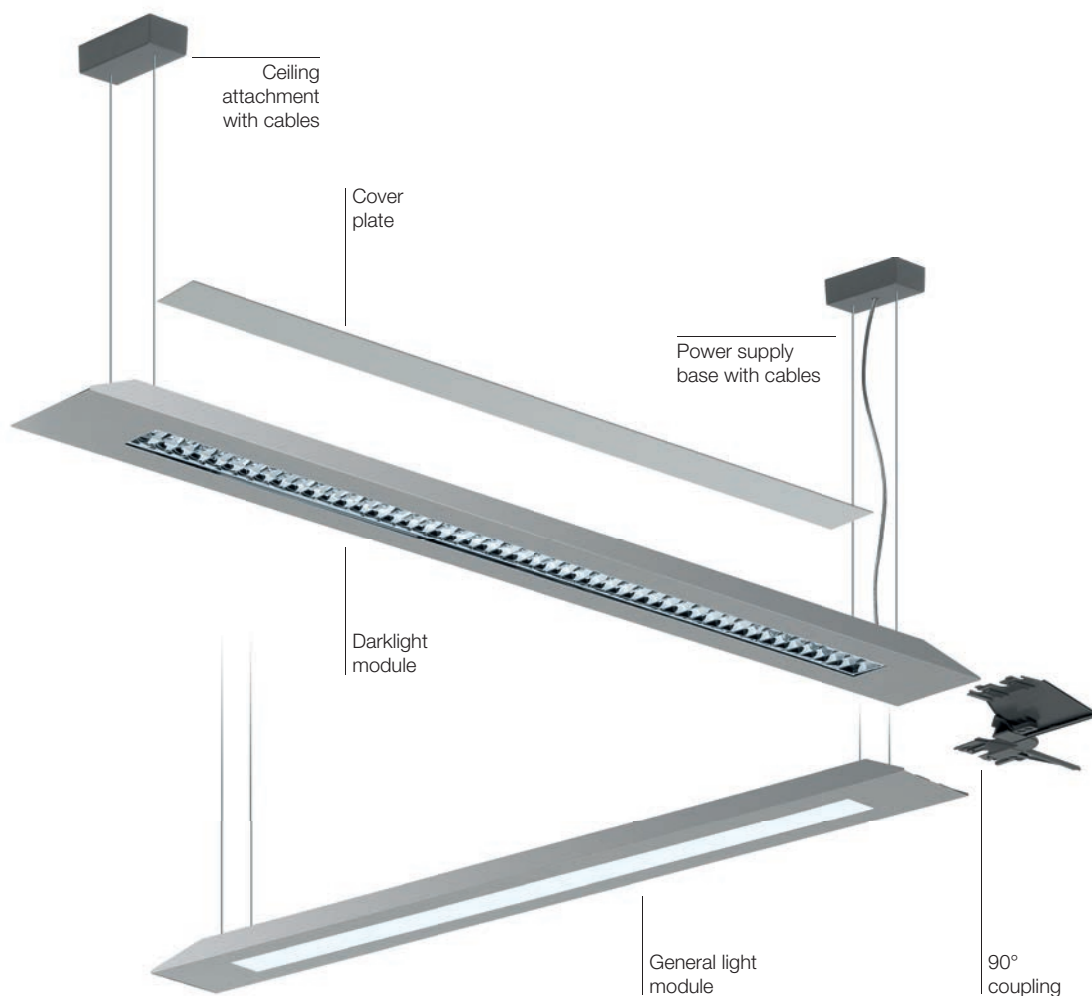
DALI versions occupy 1 address

Intermediate coupling with suspension cables L=1500	2919	01-86
Base with suspension cables L=1500	2924	01-86
Power supply base with suspension cables L=1500	2925	01-86
Transparent power-supply cable	2926	01-86
		for electronic versions
		for DALI and emergency

For information on system composition please refer to the instructions sheet

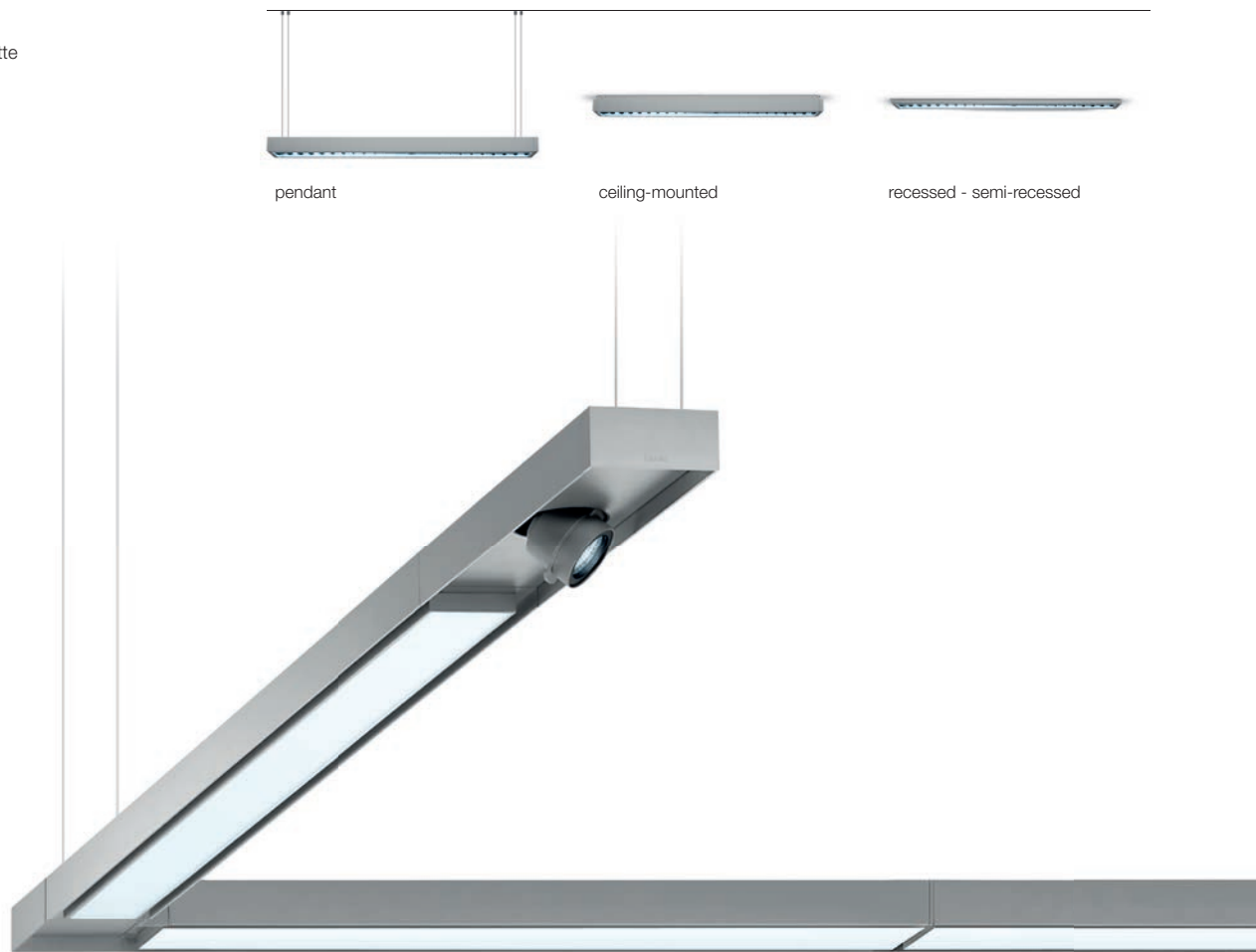
Mini Light air

System composition



Action

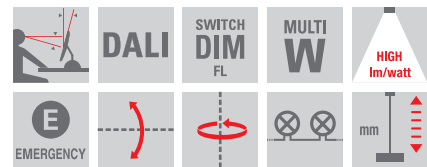
design Jean Michel Wilmotte



Features



- Pendant, ceiling-mounted, recessed and semi-recessed in false ceilings with thickness of 12.5 and 15 mm.
- Painted extruded aluminium structure.
- Aluminium grouping joints.
- Painted polycarbonate end caps.
- Transparent polycarbonate upper protective screen for pendant version.
- Versions with diffused light and dark VDU emission, using super-pure aluminium reflector a controlled luminance UGR<19.
- Accent light modules complete with adjustable and extractable spotlights.
- High level of light output.
- Available electronic and DALI control gear and permanent emergency light; 1,5 hours autonomy with 12 hour recharging cycle - 3 hours autonomy with 24 hour recharging cycle. Conforms to EN60598-2-22.
- Multiwatt ballasts.
- Dimmable DALI versions with Switch Dim: can be switched on and off via a regular electric button.
- Separate switches.
- Luminaire ready for pass-through wiring.
- Suspension cables equipped with millimetric regulation system.



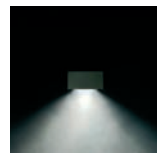
Light distribution

Darklight

Versions with Darklight optic made of specular aluminium. Versions with controlled luminance in compliance with EN 12464-1. Ideal for installation in spaces with monitors.



Up/down light



Down light

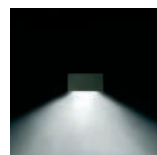
Down Light emission with cover accessory.

General light

Polycarbonate diffusing screen models for general lighting. Homogeneous light emission with limited direct glare from lamps. Ideal for installation in exhibition areas, meeting rooms, and halls.



Up/down light



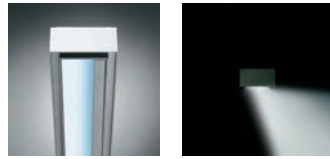
Down light

Down Light emission with cover accessory.

Light distribution

Wall Washer

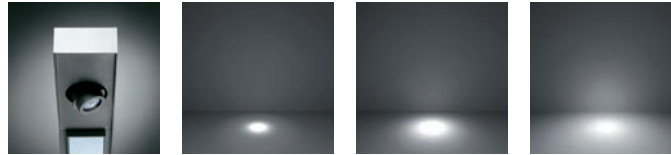
Wall washer optic models made of ultra pure aluminium. Reflector is optimized for lighting vertical surfaces with perfectly uniform lighting. Ideal for installation in exhibition areas, libraries, and commercial spaces.



Wall Washer

Accent lighting

Accent lighting models with halogen and discharge lamps. Light emission with spot and flood light cones. Ideal to light certain objects or to create light effects in exhibition areas, commercial spaces, managerial offices, meeting rooms, and halls.



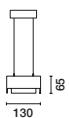
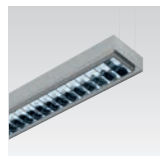
S - Spot

M - Medium

F - Flood

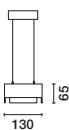
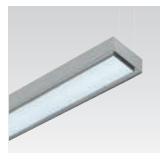
Complete pendants

accessories



light source	W	length	code	colour
Darklight up/down light				
T 16 (G5)	Multiwatt			
	2x35/49W	1517	6677	01-15
	2x28/54W	1217	6678	01-15
DALI multiwatt				
	2x35/49W	1517	6679	01-15
	2x28/54W	1217	6680	01-15
DALI multiwatt automatic dimming				
	2x35/49W	1517	*6681	01-15
	2x28/54W	1217	*6682	01-15
Multiwatt and permanent emergency light				
	2x35/49W	1517	MM45	01-15

DALI versions occupy 1 address
Complete with power supply base and suspension cables L=1500
* Complete with lux and motion sensor



light source	W	length	code	colour
General light up/down light				
T 16 (G5)	Multiwatt			
	2x35/49W	1517	6691	01-15
	2x28/54W	1217	6692	01-15
DALI multiwatt				
	2x35/49W	1517	6693	01-15
	2x28/54W	1217	6694	01-15
Multiwatt and permanent emergency light				
	2x35/49W	1517	MM46	01-15

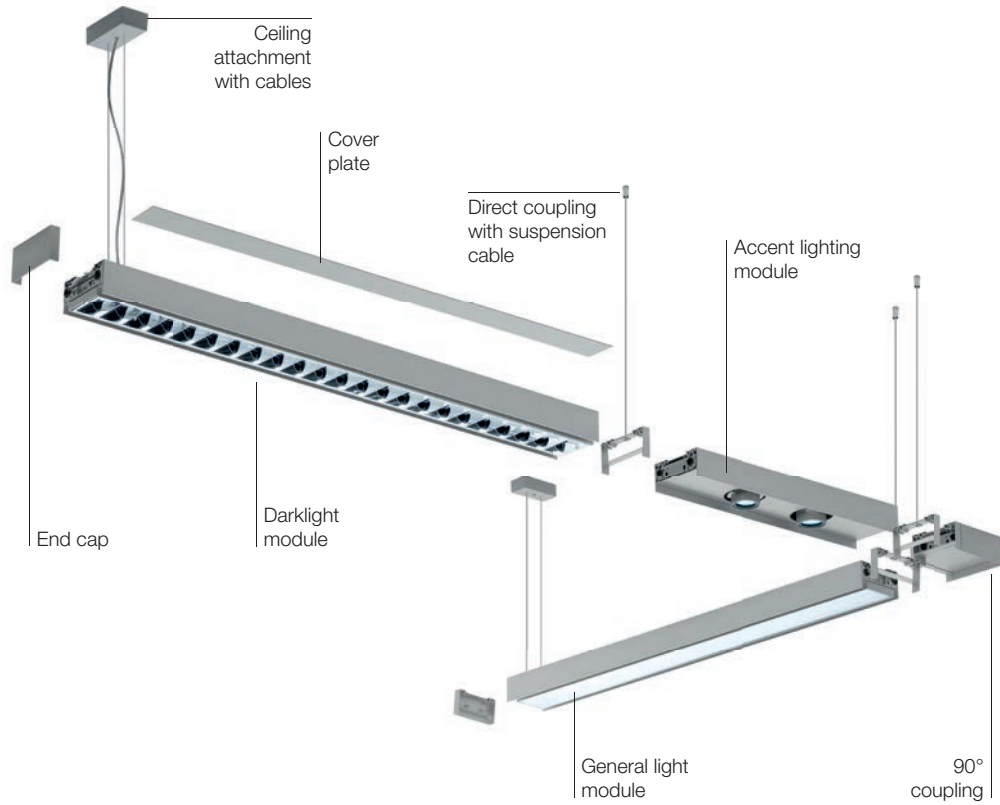
DALI versions occupy 1 address
IP40 with upper safety screen
Complete with power supply base and suspension cables L=1500

	code	colour
Upper cover for down light emission	6805	01-15 for versions L=1217
	6806	01-15 for versions L=1517
Upper safety screen	6807	24 for versions L=1217
	6808	24 for versions L=1517
Infrared control for versions with automatic dimming	9704	04 for 6681-6682

Action

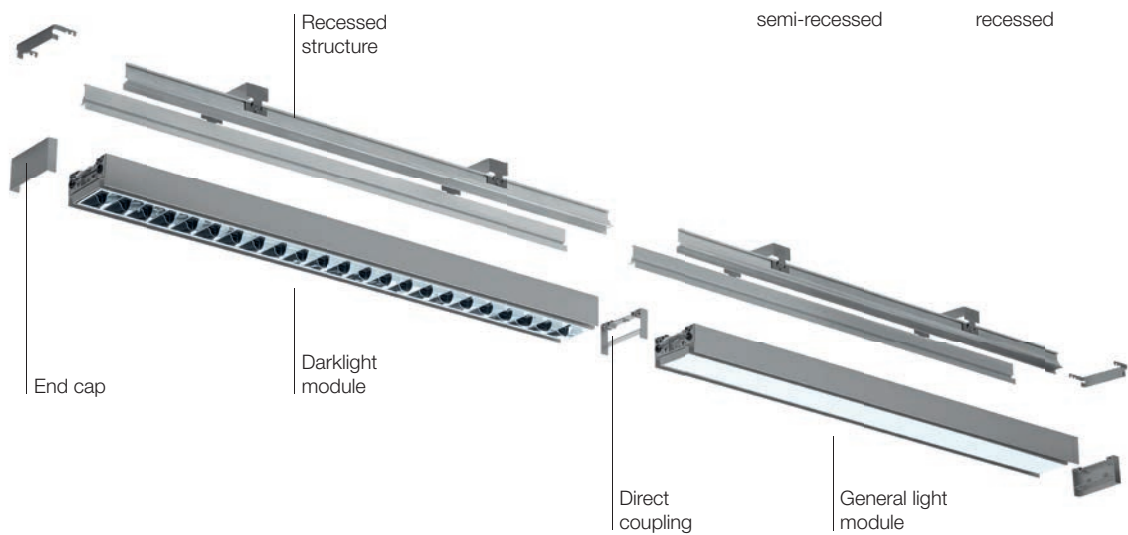
System composition - pendant / ceiling-mounted

The ceiling-mounted version uses the same grouping system, substituting the suspension kit with the ceiling-mounting structure (code 6811-6812-6813-6814).

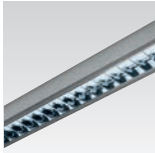


System composition - recessed / semi-recessed


The semi-recessed version uses the same grouping system.



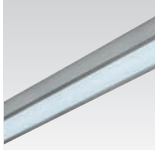
Continuous line modules




light source	W	length	code colour
Darklight up/down light module			
T 16 (G5)	Multiwatt		
	35/49/80 W	1477	6600 01-15
	2x35/49 W	1477	6602 01-15
	2x28/54 W	1177	6601 01-15
DALI multiwatt			
	2x35/49 W	1477	6605 01-15
	2x28/54 W	1177	6606 01-15
Multiwatt and permanent emergency light			
	2x35/49 W	1477	*MM49 01-15



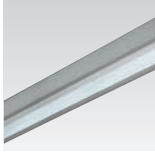
DALI versions occupy 1 address
* For ceiling-mounted/recessed installation exclusively use 35 W





light source	W	length	code colour
General lighting module up/down light			
T 16 (G5)	Multiwatt		
	2x35/49 W	1477	6609 01-15
	2x28/54 W	1177	6608 01-15
DALI multiwatt			
	2x35/49 W	1477	6612 01-15
	2x28/54 W	1177	6613 01-15
Multiwatt and permanent emergency light			
	2x35/49 W	1477	*MM50 01-15



IP40 with upper safety screen, with ceiling-mounted attachment or recessed structure
DALI versions occupy 1 address
* For ceiling-mounted/recessed installation exclusively use 35 W





light source	W	length	code colour
Wall-washer module			
T 16 (G5)	Multiwatt		
	35/49/80 W	1477	6615 01-15
	28/54 W	1177	6616 01-15






light source	W	length	code colour
Track module			
Standard			
		1200	6767 01-15



L track = 1000


light source	W*	lm	length	optic	code colour
Accent lighting module with 1 optical assembly					
LED	Neutral white				
	2 W	130	400	24°	6768 01-15
QR CBC51 (GU5,3)	Electronic				
	50 W 12V		400		6618 01-15
HIT-CE (PGJ5)	Electronic				
	20 W		400	8°	6619 01-15
	20 W		400	38°	6620 01-15

light source	W*	lm	length	optic	code colour
Accent lighting module with 2 optical assemblies					
LED	Neutral white				
	2x2 W	130	600	24°	6769 01-15
QR CBC51 (GU5,3)	Electronic				
	2x50 W 12V		600		6621 01-15
HIT-CE (PGJ5)	Electronic				
	2x20 W		600	8°	6622 01-15
	2x20 W		600	38°	6623 01-15





light source	W	length	code colour
Structural module			
		400	6624 01-15
		600	6625 01-15
		1177	6626 01-15
		1477	6627 01-15







* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue

Action

accessories




	code	colour
 Upper cover for down light emission	6805 01-15 for Darklight and general lighting modules L=1177	
	6806 01-15 for Darklight and general lighting modules L=1477	
 Upper safety screen	6807 24 for general lighting modules L=1177	
	6808 24 for general lighting modules L=1477	
 Two end caps Should be ordered two for each single module or composition	6800 01-15	
 Spill ring for accent lighting modules	9545 04	


installation systems


	code	colour
 Direct coupling with suspension cable L=1500	6802 01-15	
 90° joint with suspension cable L=1500	6804 01-15	
 Base with suspension cables L=1500	6809 01-15	
 Power supply base with suspension cables L=1500	6810 01-15 5 pole for electronic versions	
	6824 01-15 8 pole for DALI and emergency	

For information on system composition please refer to the instructions sheet

recessed/semi-recessed/ceiling-mounted installation

	code	colour
 Direct coupling	6801 01-15	
 90° coupling	6803 01-15	
 Structure for ceiling installation	6811 01-15 for modules L=400	
	6812 01-15 for modules L=600	
	6813 01-15 for modules L=1177	
	6814 01-15 for modules L=1477	

	code	colour
 Structure for recessed and semi-recessed installation for false ceilings 12,5 mm	6815 00 for modules L=400	
	6816 00 for modules L=600	
	6817 00 for modules L=1177	
	6818 00 for modules L=1477	

 End caps for the structure	6823 00	
1 pair must be ordered for each single structure or composition		

For information on system composition please refer to the instructions sheet



Y Light

design Studio & Partners



Features



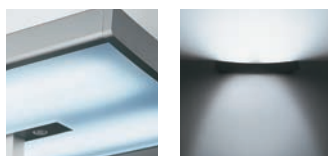
- Pendant and wall-mounted installation and floor lamp version.
- Optical assembly with extruded aluminium lateral profiles.
- Injection moulded polycarbonate end caps, painted sheet steel internal structure.
- Floor lamp version: extruded aluminium shaft with quick-coupling connectors for assembly to the 8 mm thick steel base.
- Luminaires with controlled luminance, suitable for use in environments with video terminals.
- Available electronic and DALI control gear and emergency with inverter.
- Dimmable DALI versions with Switch Dim: can be switched on and off via a regular electric button.
- Pendant version with cables equipped with millimetric regulation system.



Light distribution

Polycarbonate screens

Another version has a micro-prismatic polycarbonate diffuser and polycarbonate transfective film. Light flow emission is: 65% up light, 35% down light.



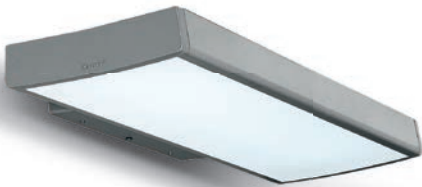
Up/down light

Y Light

Versions

Y Light pendant, wall-mounted and floor lamp, is a system of luminaires for working areas and those where video terminals are used, for showrooms and meeting rooms.

Wall-mounted TC-L



Floor lamp

Versions with day-light sensor and presence detector are available

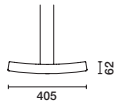


Y Light



Pendant

accessories



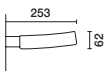
light source	W	length	code	colour
TC-L (2G11)	Up/down light			
	Dual-start electronic			
	4x55 W	620	3040	15
	4x80 W	620	3041	15
DALI				
	4x55 W	620	3042	15

DALI versions occupy 2 addresses
Complete with covering base, power-supply cable and steel suspension cables L=1500

	code	colour
Upper safety screen	9142	24
for 3040-3042		

Wall-mounted

accessories

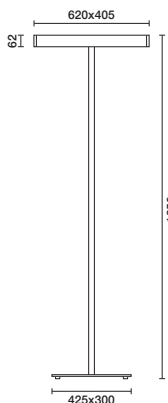


light source	W	length	code	colour
TC-L (2G11)	Up/down light			
	Electronic			
	2x55 W	620	5152	15
	2x80 W	620	5155	15
DALI				
	2x55 W	620	5153	15
Electronic and permanent emergency light				
	2x55 W	620	5154	15
DALI versions occupy 1 address				

	code	colour
Upper safety screen	9171	24
for 5152-5153		

Floor lamp

accessories



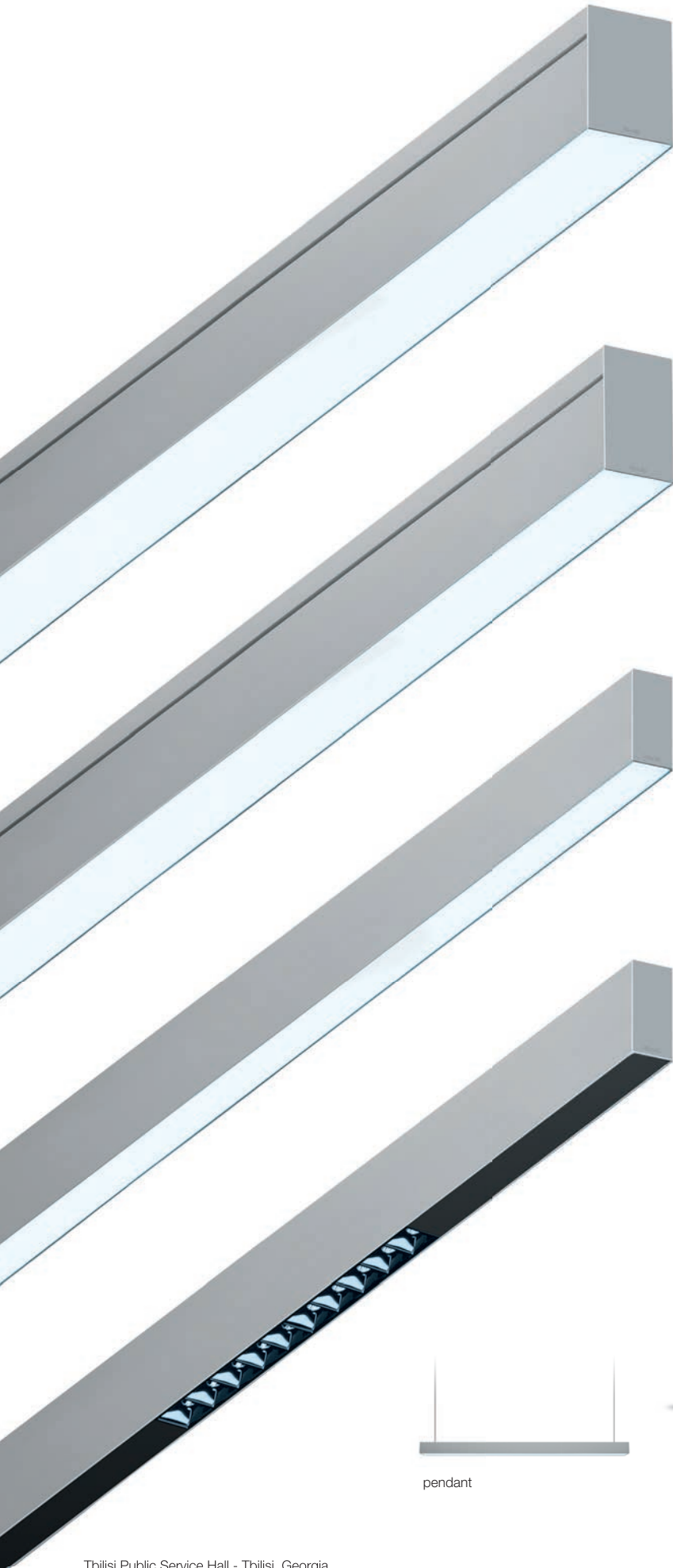
light source	W	code	colour
TC-L (2G11)	Up/down light		
	Dual-start electronic		
	4x55 W	4577	15
DALI and manual light adjustment			
	4x55 W	4578	15
DALI with motion and lux sensors			
	4x55 W	4579	15
Supplied with cable L=2000 with plug			

	code	colour
Upper safety screen	9142	24
for 4577-4578		





iN90 - iN60 - iN30



iN90

iN60
iN60 LED

iN30 FL
iN30 LED
Low contrast

iN30 LED
High contrast



pendant



ceiling-mounted



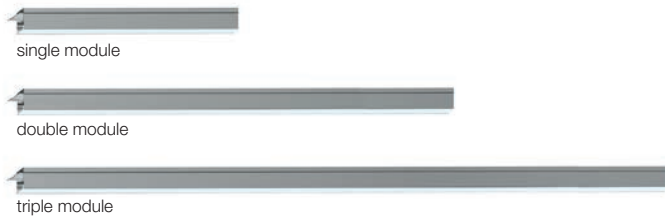
recessed



wall-mounted

Structural elements

Initial module
complete with through wiring
and diffuser



Continuous line module
complete with diffuser
and available in triple version



Angular module
complete with wired plate,
through wiring and diffuser

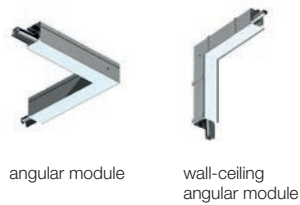


Plate for electronic control gear
also available with DALI control gear
and emergency lighting



**Pass-through cables for
continuous line modules**
complete with terminal blocks
and available in lengths:
3, 6, 9 and 12 modules



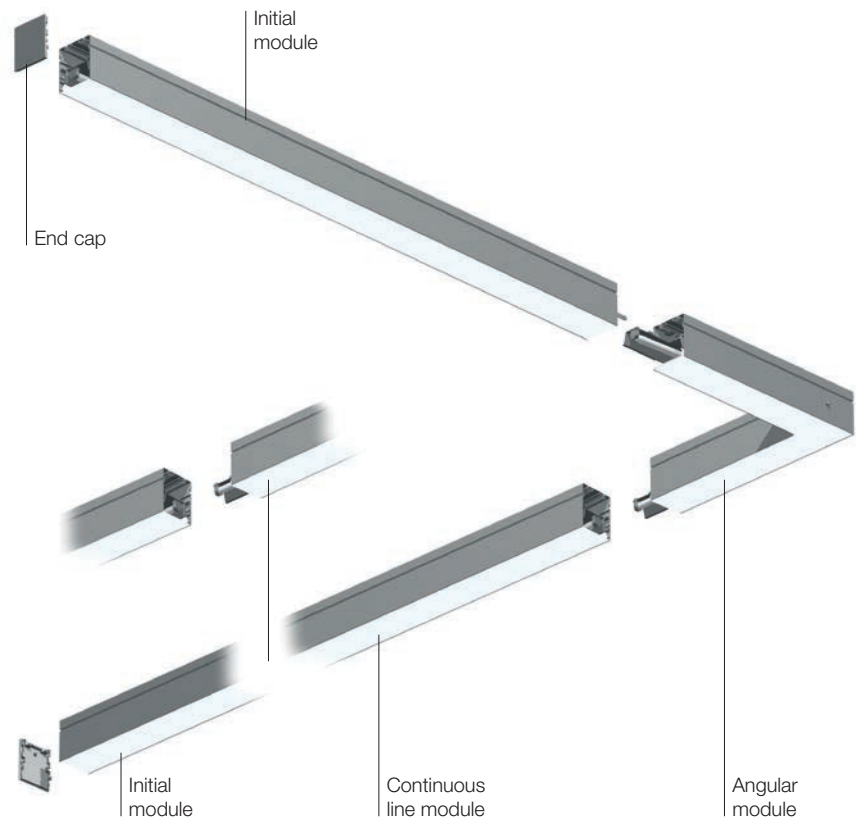
This aggregation system allows
creating the most diverse
compositions.

For the complete order please
add the codes of the installation
system you have chosen.

**For complex installations,
consult the instruction manual
and/or online configurator.**



<http://inconfigurator.iguzzini.it/>



iN90 - iN60

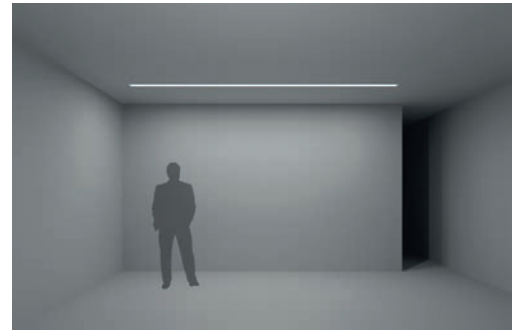
Composition

① iN 90 Minimal: overlapping linear composition L=4,8m

- Initial single module **M434**
- Continuous line module **M440**
- Pass-through cables **M496**
- Plates for wiring **4xM490**
- Two end caps **MWB3**
- T16 8x28/54W tubes

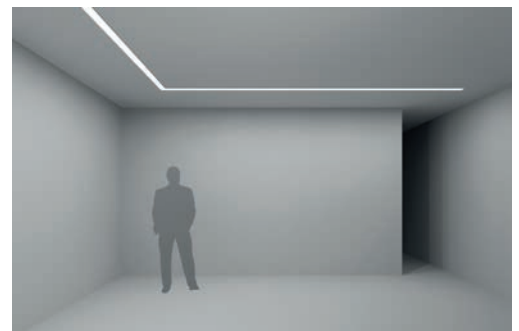
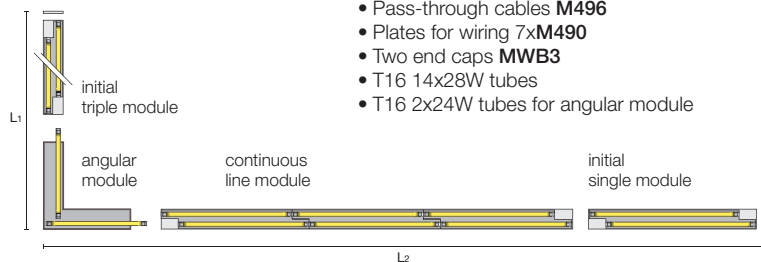
initial single module

continuous line module



② iN 90 Minimal: overlapping angular composition L₁=4,3m - L₂=5,5m

- Initial triple module **M436**
- Initial single module **M434**
- Continuous line module **M440**
- Angular module **MWA7**
- Pass-through cables **M496**
- Plates for wiring **7xM490**
- Two end caps **MWB3**
- T16 14x28W tubes
- T16 2x24W tubes for angular module



③ iN 60 Minimal: overlapping linear composition L=8,6m with track module

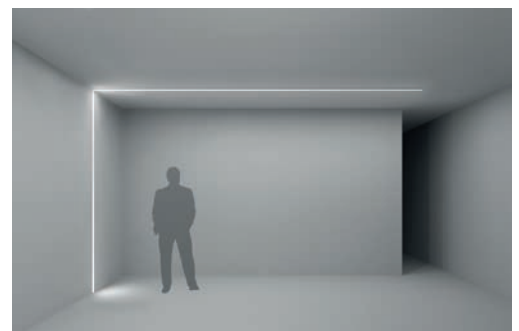
- Initial single module **2xM678**
- Track module **MWH4**
- Continuous line module **M682**
- Pass-through cables **M757**
- Plates for wiring **7xM748**
- Two end caps **MWH5**
- T16 5x35/49/80W tubes

initial single module

track module

initial single module

continuous line module



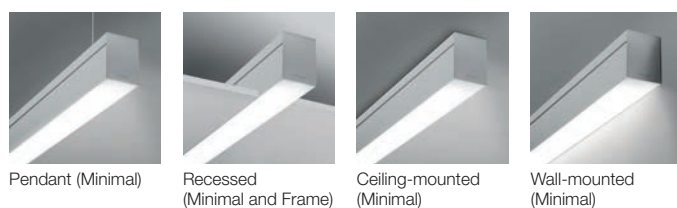


Features



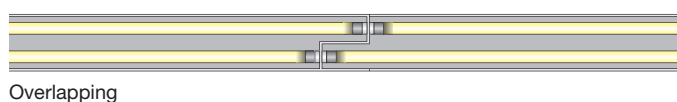
- Modular lighting systems for continuous lines.
- Pendant, recessed, ceiling-mounted and wall-mounted installation.
- Extruded aluminium profile.
- Zamak end caps.
- Sheet steel wired lamp holder plate.

- Available electronic and DALI control gear.
- Multiwatt ballasts.
- High level of light output.
- Pendant version with cables equipped with a system for millimetric regulation.



Light sources

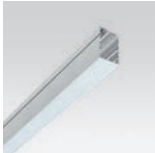

iN90 two-lamp version with overlapping systems, using T16 fluorescent tubes.




Overlapping



Minimal





length	plates	code colour
Initial module complete with pass-through wiring		
for plate 21 W		
985	1	M433 12
for plate 28/54W		
1285	1	M434 12
2452	2	M435 12
3626	3	M436 12
for plate 35/49W		
1585	1	M437 12
3052	2	M438 12
4526	3	M439 12
Continuous line module		
for plate 28/54W		
3526	3	M440 12
for plate 35/49W		
4426	3	M441 12




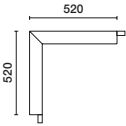
Pass-through wiring for continuous line modules		
28/54 W	3	M496 00
28/54 W	6	M497 00
28/54 W	9	M498 00
28/54 W	12	M499 00
35/49 W	3	M500 00
35/49 W	6	M501 00
35/49 W	9	M502 00
35/49 W	12	M503 00

For control gears of recessed applications refer to the instructions sheet



light source	W	code colour
Two-lamp plate		
Electronic		
T 16 (G5)	2x21 W	M489 01
	2x28/54 W	M490 01
	2x35/49 W	M491 01
DALI		
	2x21 W	M492 01
	2x28 W	M493 01
	2x35/49 W	M494 01
Emergency light		
	2x35 W	MM55 01






DALI versions occupy 1 address

Angular module complete with wired plate and pass-through wiring		
T 16 (G5)	2x24 W	MWA7 12
DALI		
	2x24 W	MWA8 12

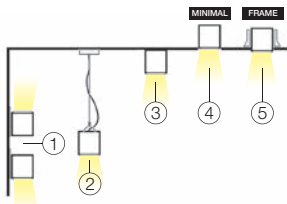
In combination with corner module, use only modules with 28/35W light sources (use with 49/54W light sources is not compatible).

accessories and installation systems

	code	colour
 Two end caps Complete with cover for overlapping plates	MWB3	15
 Accessory for recessed installation without rim Complete with spacer for puttying	MWB6	00
 Attachment for wall installation	MWB7	15
 Power supply base with suspension cables L=1500	MWB4 01	for electronic versions
	MWB5 01	for DALI and emergency
 Intermediate suspension cable	MW67	00

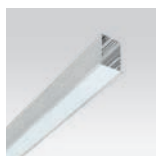
For information on system composition please refer to the instructions sheet.

Technical information



Code	①	②	③	④	⑤
MWA7	24W	24W	24W	24W	-
MWA8	24W	24W	24W	24W	-
M489	21W	21W	21W	21W	-
M492	21W	21W	21W	21W	-
M490	28/54W	28/54W	28/54W	28W	-
M493	28W	28W	28W	28W	-
M491	35/49W	35/49W	35/49W	35W	-
M494	35/49W	35/49W	35/49W	35W	-
MM55	35W	35W	35W	35W	-

Frame



W	length	plates	code colour
Initial module complete with pass-through wiring			
for plate 21 W			
985	1		M451 01-12
for plate 28/54W			
1285	1		M452 01-12
2452	2		M453 01-12
3626	3		M454 01-12
for plate 35/49W			
1585	1		M455 01-12
3052	2		M456 01-12
4526	3		M457 01-12

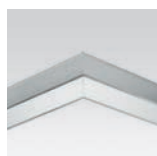
Continuous line module			
for plate 28/54W			
3526	3		M458 01-12
for plate 35/49W			
4426	3		M459 01-12

Complete with brackets for recessed installation



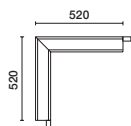
light source	W	code colour
Two-lamp plate		
Electronic		
T 16 (G5)	2x21 W	M489 01
	2x28/54W	M490 01
	2x35/49W	M491 01
DALI		
T 16 (G5)	2x21 W	M492 01
	2x28 W	M493 01
	2x35/49W	M494 01
Emergency light		
T 16 (G5)	2x35 W	MM55 01

DALI versions occupy 1 address



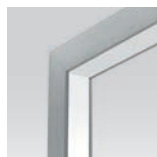
Angular module complete with wired plate and pass-through wiring		
T 16 (G5)	2x24 W	MWB9 01-12
DALI		
T 16 (G5)	2x24 W	MWC0 01-12

In combination with corner module, use only modules with 28/35W light sources (use with 49/54W light sources is not compatible).



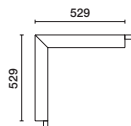
Pass-through wiring for continuous line modules		
28/54W	3	M496 00
28/54W	6	M497 00
28/54W	9	M498 00
28/54W	12	M499 00
35/49W	3	M500 00
35/49W	6	M501 00
35/49W	9	M502 00
35/49W	12	M503 00

For control gears of recessed applications refer to the instructions sheet



Wall-ceiling angular module complete with wired plate and pass-through wiring		
T 16 (G5)	2x24 W	MWC3 01-12
DALI		
T 16 (G5)	2x24 W	MWC4 01-12

In combination with corner module, use only modules with 28/35W light sources (use with 49/54W light sources is not compatible).

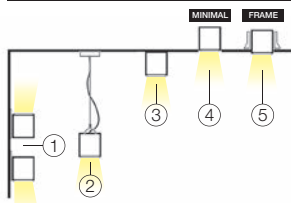


accessories

	code colour
Two end caps	MWC9 01-15
Complete with cover for overlapping plates	

For information on system composition please refer to the instructions sheet.

Technical information



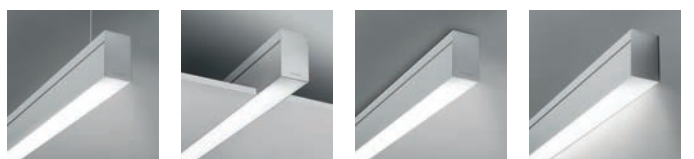
Code	①	②	③	④	⑤
MWC3-MWB9	-	-	-	-	24W
MWC0-MWC4	-	-	-	-	24W
M489	21W	21W	21W	-	21W
M492	21W	21W	21W	-	21W
M490	28/54W	28/54W	28/54W	-	28W
M493	28W	28W	28W	-	28W
M491	35/49W	35/49W	35/49W	-	35W
M494	35/49W	35/49W	35/49W	-	35W
MM55	35W	35W	35W	-	35W



Features



- Modular lighting systems for continuous lines.
- Possibility of individual installation or grouping in a continuous line.
- Available in versions with FL T16 and LED lamps.
- Diffused emission for general lighting with PMMA opal diffuser screen.
- Extruded aluminium profile.
- Zamak end caps.
- Sheet steel wired lamp holder plate.
- Pendant, recessed, ceiling-mounted and wall-mounted installation.
- Available electronic and DALI control gear.
- Multiwatt ballasts for versions with FL T16 lamps.
- High level of light output.
- Pendant version with cables equipped with a system for millimetric regulation.



Pendant (Minimal) Recessed (Minimal and Frame) Ceiling-mounted (Minimal) Wall-mounted (Minimal)

Lamps

iN 60 LED with Low contrast optic.



LED

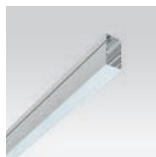

iN 60 one-lamp version with overlapping system, uses T16 fluorescent tubes.



Overlapping




Minimal


W	length	plates	code colour
Initial module complete with pass-through wiring for plate 21/39W			
	885	1	M674 12
for plate 28/54W			
	1185	1	M675 12
	2252	2	M676 12
	3326	3	M677 12
for plate 35/49/80W			
	1485	1	M678 12
	2852	2	M679 12
	4226	3	M680 12

Continuous line module			
for plate 28/54W			
	3226	3	M681 12
for plate 35/49/80W			
	4126	3	M682 12




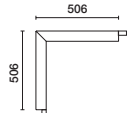
Pass-through wiring for continuous line modules			
28/54W		3	M753 00
28/54W		6	M754 00
28/54W		9	M755 00
28/54W		12	M756 00
35/49/80W		3	M757 00
35/49/80W		6	M758 00
35/49/80W		9	M759 00
35/49/80W		12	M760 00

For control gears of recessed applications refer to the instructions sheet








light source	W	code colour
One-lamp plate		
T 16 (G5)	Multiwatt	
	21/39W	M746 01
	28/54W	M747 01
	35/49/80W	M748 01
DALI multiwatt		
	21/39W	M749 01
	28/54W	M750 01
	35/49/80W	M751 01
Multiwatt and emergency light		
	35/49W	M752 01

DALI versions occupy 1 address

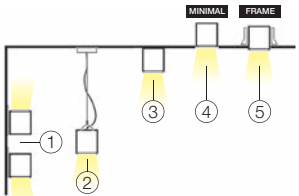
Angular module complete with wired plate and pass-through wiring		
T 16 (G5)	2x14/24W	MWG9 12
DALI		
	2x14/24W	MWH0 12

accessories and installation systems

	code	colour
 Two end caps Complete with cover for overlapping plates	MWH5	15
 Accessory for recessed installation without rim Complete with spacer for puttying	MWH6	00
 Attachment for wall installation	MWB7	15
 Power supply base with suspension cables L=1500	MWB4 01 MWM2 01	for electronic versions for DALI and emergency
 Intermediate suspension cable	MW67	00

For information on system composition please refer to the instructions sheet.

Technical information



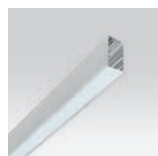
Code	①	②	③	④	⑤
M746 - M749	21/39W	21/39W	21/39W	21/39W	-
M747 - M750	28/54W	28/54W	28/54W	28/54W	-
M748 - M751	35/49/80W	35/49/80W	35/49/80W	35/49W	-
MWG9 - MWH0	2x14/24W	2x14/24W	2x14/24W	2x14/24W	-
M752	35/49W	35/49W	35/49W	35/49W	-



01
WHITE

12
ALUMINIUM

Frame



W	length	plates	code colour
Initial module complete with pass-through wiring for plate 21/39W			
885	1		M692 01-12
for plate 28/54W			
1185	1		M693 01-12
2252	2		M694 01-12
3326	3		M695 01-12
for plate 35/49/80W			
1485	1		M696 01-12
2852	2		M697 01-12
4226	3		M698 01-12

Continuous line module			
for plate 28/54W			
3226	3		M699 01-12
for plate 35/49/80W			
4126	3		M700 01-12

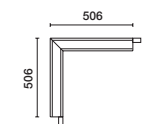
Complete with brackets for recessed installation



light source	W	code colour
One-lamp plate		
T 16 (G5)	Multiwatt	
	21/39 W	M746 01
	28/54 W	M747 01
	35/49/80 W	M748 01
DALI multiwatt		
	21/39 W	M749 01
	28/54 W	M750 01
	35/49/80 W	M751 01
Multiwatt and emergency light		
	35/49 W	M752 01
DALI versions occupy 1 address		



Angular module complete with wired plate and pass-through wiring		
T 16 (G5)	2x14/24 W	MWH7 01-12
	DALI	
	2x14/24 W	MWH8 01-12

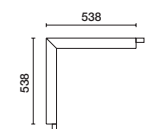


Pass-through wiring for continuous line modules			
28/54 W	3		M753 00
28/54 W	6		M754 00
28/54 W	9		M755 00
28/54 W	12		M756 00
35/49/80 W	3		M757 00
35/49/80 W	6		M758 00
35/49/80 W	9		M759 00
35/49/80 W	12		M760 00

For control gears of recessed applications refer to the instructions sheet



Wall-ceiling angular module complete with wired plate and pass-through wiring		
T 16 (G5)	2x14/24 W	MWI1 01-12
	DALI	
	2x14/24 W	MWI2 01-12

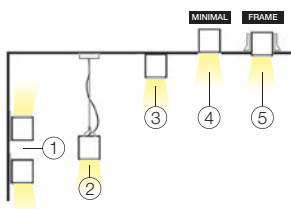


accessories

	code	colour
Two end caps Complete with cover for overlapping plates	MW17	01-15

For information on system composition please refer to the instructions sheet.

Technical information



Code	①	②	③	④	⑤
M746 - M749	21/39W	21/39W	21/39W	-	21/39W
M747 - M750	28/54W	28/54W	28/54W	-	28/54W
M748 - M751	35/49/80W	35/49/80W	35/49/80W	-	35/49W
MWH7 - MWH8 MWI1 - MWI2	-	-	-	-	2x14/24W
M752	35/49W	35/49W	35/49W	-	35/49W

LED

light source	W*	lm	length	plates	code colour
Minimal initial module complete with pass-through wiring for LED plate L=597					
	612		1		MR37 12
for LED plate L=1196					
	1210		1		MR38 12
	2397		2		MR39 12
	3594		3		MR40 12
Minimal continuous line module for LED plate L=1196					
	3594		3		MR41 12



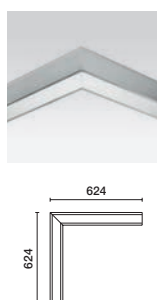
light source	W*	lm	length	plates	code colour
Frame initial module complete with pass-through wiring for plate L=597					
	612		1		MR42 01-12
for plate L=1196					
	1210		1		MR43 01-12
	2397		2		MR44 01-12
	3594		3		MR45 01-12
Frame continuous line module for plate L=1196					
	3594		3		MR46 01-12



LED					
Minimal angular module complete with LED plate and pass-through wiring Neutral white					
22 W	2650				MXM7 12
Warm white					
22 W	2460				MXM8 12
Neutral white DALI					
22 W	2650				MXM9 12
Warm white DALI					
22 W	2460				MXN0 12



LED					
Frame angular module complete with LED plate and pass-through wiring Neutral white					
22 W	2650				MXN1 01-12
Warm white					
22 W	2460				MXN2 01-12
Neutral white DALI					
22 W	2650				MXN3 01-12
Warm white DALI					
22 W	2460				MXN4 01-12



LED					
LED Plate Neutral white					
11 W	1330	597			MR47 01
22 W	2650	1196			MR48 01
Warm white					
11 W	1230	597			MR49 01
22 W	2460	1196			MR50 01
Neutral white DALI					
11 W	1330	597			MR51 01
22 W	2650	1196			MR52 01
Warm white DALI					
11 W	1230	597			MR53 01
22 W	2460	1196			MR54 01



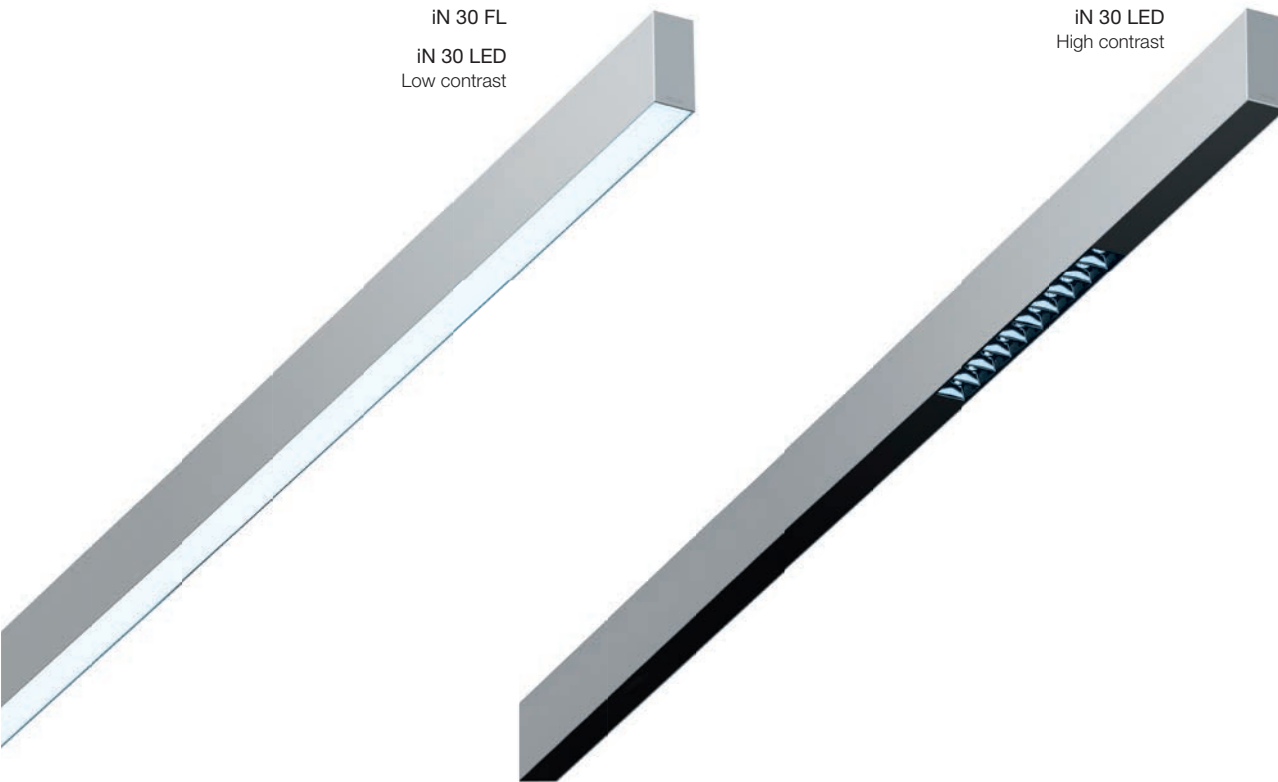
DALI versions occupy 1 address

installation systems

	code	colour
Plate with terminal block and cable-clamp to join pass-through cables It must be used for every new intermediate power supply (please refer to instruction sheet).	M761	00
Two end caps	MWP6	15 for Minimal versions
	MWP7	01-15 for Frame versions

For information on system composition please refer to the instructions sheet.

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue



Features



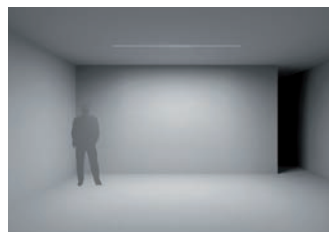
- Modular lighting systems for continuous lines.
- Available in versions with T16 and LED lamps.
- Minimal (frameless) version made with extruded aluminium profile.
- LED version available in two down light solutions: low contrast for general lighting with frosted diffuser screen; high contrast with controlled luminance UGR<19 down light modules.
- Low contrast: can be ceiling-mounted, pendant or recessed; modules available in two lengths in end or middle version for continuous line set-up; end modules can be completed with

- end cap accessories and used individually but they are always needed to start or finish a continuous line.
- High contrast: can be ceiling mounted and pendant; modules supplied in two lengths; possibility of individual installation or grouping in a continuous line, completing the modules with the accessories supplied.
- Available electronic and DALI control gear.
- Multiwatt ballasts.
- High level of light output.
- Pendant version with cables equipped with a system for millimetric regulation.



Optics and lamps

iN30 is available in the fluorescent and LED version (low contrast and high contrast optics).



Low contrast



High contrast - Wide Flood α 48°

System composition

This aggregation system allows creating the most diverse compositions.

For the complete order please add the codes of the installation system you have chosen.

End cap

Initial module

For complex installations, consult the instruction manual and/or online configurator.



<http://inconfigurator.iguzzini.it/>

Angular module

The system even allows the grouping of Low contrast modules with High contrast modules, using the special accessory.

End cap

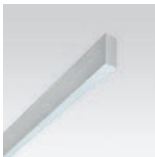


iN 30 LED
Low contrast

Connecting element
and cover

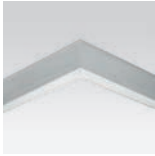
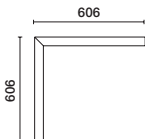

iN 30 LED
High contrast



FL





	light source	W	length	code colour
 	T 16 SLS (G5) 	Initial module Opal diffuser		
		Multiwatt		
		24 W	601	M656 12
		21/39 W	901	M657 12
		28/54 W	1201	M658 12
		2x14/24 W	1186	M659 12
	2x21/39 W	1786	M660 12	
	2x28/54 W	2386	M661 12	
	Initial module Microprismatic diffuser			
	Multiwatt			
24 W	601	M665 12		
21/39 W	901	M666 12		
28/54 W	1201	M667 12		
2x14/24 W	1186	M668 12		
2x21/39 W	1786	M669 12		
2x28/54 W	2386	M670 12		

Complete with end caps

 	T 16 SLS (G5) 	Angular module Opal diffuser	
		Multiwatt	
	2x14/24 W	MWG3 12	
	Angular module Microprismatic diffuser		
Multiwatt			
2x14/24 W	MWG4 12		

For control gears of recessed applications refer to the instructions sheet



accessories and installation systems



	code	colour
 Power supply base with suspension cables L=1500	MWG5	01
 Intermediate suspension cable	MWG6	00
 Attachment for ceiling-mounted installation	MWG7	00
 Accessory for recessed installation without rim	MWG8	00

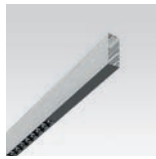

For information on system composition please refer to the instructions sheet.

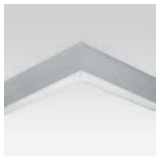
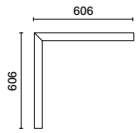


LED







light source	W*	lm	length	code colour
 	LED	Initial module		
	Low contrast			
	Neutral white			
	22 W	2650	1197	ME36 12
	45 W	5290	2394	ME37 12
	Warm white			
	22 W	2460	1197	ME38 12
	45 W	4920	2394	ME39 12
	Neutral white DALI			
	22 W	2650	1197	MJ48 12
	45 W	5290	2394	MJ49 12
	Warm white DALI			
22 W	2460	1197	MJ50 12	
45 W	4920	2394	MJ51 12	

light source	W*	lm	length	code colour
 	LED	Continuous line module		
	Low contrast			
	Neutral white			
	22 W	2650	1197	ME40 12
	45 W	5290	2394	ME41 12
	Warm white			
	22 W	2460	1197	ME42 12
	45 W	4920	2394	ME43 12
	Neutral white DALI			
	22 W	2650	1197	MJ52 12
	45 W	5290	2394	MJ53 12
	Warm white DALI			
22 W	2460	1197	MJ54 12	
45 W	4920	2394	MJ55 12	

light source	W*	lm	length	code colour
 	LED	Module		
	High contrast			
	Neutral white			
	22 W	2000	1197	MJ58 12
	42 W	4000	1462	MJ62 12
	Warm white			
	22 W	1800	1197	MJ59 12
	42 W	3600	1462	MJ63 12
	Neutral white DALI			
	22 W	2000	1197	MJ60 12
	42 W	4000	1462	MJ64 12
	Warm white DALI			
22 W	1800	1197	MJ61 12	
42 W	3600	1462	MJ65 12	

light source	W*	lm	length	code colour
 	LED	Angular module		
	Low contrast			
	Neutral white			
	22 W	2650		ME44 12
	Warm white			
	22 W	2460		ME45 12
	Neutral white DALI			
	22 W	2650		MJ56 12
	Warm white DALI			
	22 W	2460		MJ57 12

accessories and installation systems

	code	colour
 Two end caps to complete modules for single and continuous line installation	MX80	15
 Connection elements and covers for continuous line installation	MX81	00 only for High contrast versions
 Power supply base with suspension cables L=1500	MWG5	01
 Intermediate suspension cable	MWG6	00
 Attachment for ceiling-mounted installation	MWG7	00
 Accessory for recessed installation without rim	MWG8	00

For information on system composition please refer to the instructions sheet.



Wide plus



Darklight

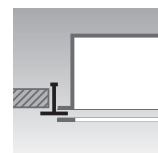
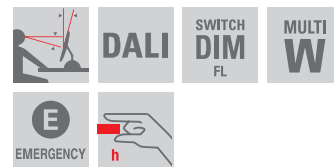


General light

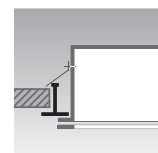
Features



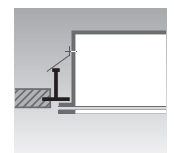
- Recessed installation in false ceilings with 1 to 25 mm.
- Load-bearing structure made of painted sheet steel, plastic diffuser screen, white sheet steel internal reflector.
- Lamellar optics with controlled luminance UGR<19 and general light.
- Available electronic and DALI control gear, and permanent emergency light; 1,5 hours autonomy with 12 hour recharging cycle - 3 hours autonomy with 24 hour recharging cycle. Conforms to EN60598-2-22.
- Multiwatt ballasts.
- Dimmable DALI versions have Switch Dim; can be controlled via a simple electric button.
- Luminaire reduced height.



Grid installation from above



Grid installation from below



Recessed grid installation from below

Light distribution

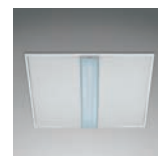
Darklight

Optic with specular reflector has controlled luminance $L \leq 1000 \text{ cd/m}^2$ $\alpha > 65^\circ$.



General light

Optic with frosted polycarbonate diffuser screen for uniform lighting.





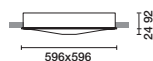
01
WHITE



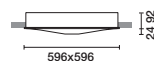
39
WHITE/ALUMINIUM



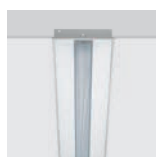
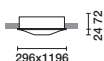
light source	W	code	colour
TC-L (2G11)	Darklight		
	Electronic		
	55 W	6231	39
	DALI		
	55 W	6233	39
	Electronic and permanent emergency light		
	55 W	6235	39
T 16 (G5)	Multiwatt		
	2x14/24 W	6232	39
	DALI		
	2x24 W	6234	39
	DALI versions occupy 1 address		



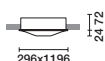
light source	W	code	colour
TC-L (2G11)	General light		
	Electronic		
	55 W	6241	01
	2x55 W	6242	01
	DALI		
	55 W	6244	01
	2x55 W	6245	01
	Electronic and permanent emergency light		
	55 W	6247	01
T 16 (G5)	Multiwatt		
	2x14/24 W	6243	01
	DALI		
	2x24 W	6246	01
	DALI versions occupy 1 address		



light source	W	code	colour
T 16 (G5)	Darklight		
	Multiwatt		
	28/54 W	6236	39
	2x28/54 W	6237	39
	DALI multiwatt		
	28/54 W	6238	39
	2x28/54 W	6239	39
	Electronic and permanent emergency light		
	2x28/54 W	6240	39
	DALI versions occupy 1 address		



light source	W	code	colour
T 16 (G5)	General light		
	Multiwatt		
	28/54 W	6248	01
	2x28/54 W	6249	01
	DALI multiwatt		
	28/54 W	6250	01
	2x28/54 W	6251	01
	Electronic and permanent emergency light		
	2x28/54 W	MM60	01
	DALI versions occupy 1 address		



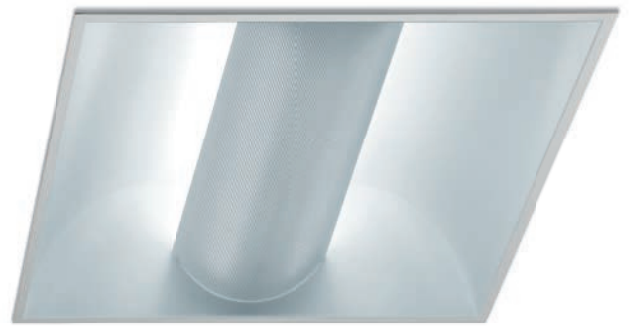
accessories

	code	colour
Luminance control screen	9498	01 for 6237-6239-6240

Wide basic



Darklight

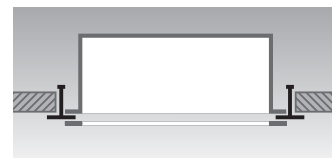


General light

Features



- Recessed installation in modular false ceilings with 600 mm tile size, 1 to 25 mm thick.
- Load-bearing structure made of painted sheet steel.
- Lamellar optics with controlled luminance UGR<19 and general light.
- Available electronic and DALI control gear and emergency with inverter.
- Luminaire reduced height.

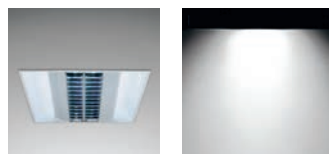
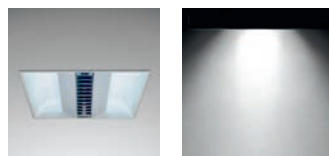


Grid installation from above

Light distribution

Darklight

Optic with specular reflector has controlled luminance $L \leq 1000 \text{ cd/m}^2$ $\alpha > 65^\circ$, available with single and double optic.



General light

Optic with micro-perforated sheet metal diffuser screen for diffused, uniform light distribution.





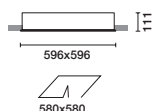
01
WHITE



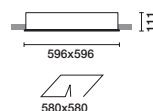
39
WHITE/ALUMINIUM



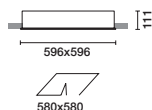
light source	W	code colour
Darklight		
TC-L (2G11)	Electronic	
	55 W	MA92 01
	40 W	MA93 01
DALI		
	55 W	MA94 01
	40 W	MA95 01
Electronic and permanent emergency light		
	55 W	MA96 01
	40 W	MA97 01
DALI versions occupy 1 address		



light source	W	code colour
General light		
TC-L (2G11)	Electronic	
	2x55 W	MB04 01
DALI		
	2x55 W	MB05 01
Electronic and permanent emergency light		
	2x55 W	MB06 01
DALI versions occupy 1 address		



light source	W	code colour
Darklight		
TC-L (2G11)	Electronic	
	2x55 W	MA98 01
	2x40 W	MA99 01
DALI		
	2x55 W	MB00 01
	2x40 W	MB01 01
Electronic and permanent emergency light		
	2x55 W	MB02 01
	2x40 W	MB03 01
DALI versions occupy 1 address		



Galaxy



Recessed



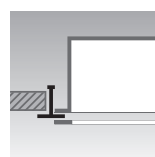
Ceiling-mounted

Features

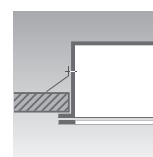


- Ceiling mounted and recessed installation on modular 600x600 mm false ceilings with 1 to 25 mm thickness.
- Load-bearing structure made of painted sheet steel.
- Super-pure aluminium lamellar optics with controlled luminance UGR<19.

- Available electronic and DALI control gear and emergency with inverter.
- Multiwatt ballasts.
- High level of light output.
- Luminaire reduced height.



Grid installation from above



Plasterboard application

Light distribution


The luminaire guarantees extremely high luminous efficiency and perfect luminance control UGR<19.



LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

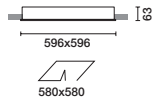
Energy saving

lumen lm	LED	T 16	
4000	45W	4x14W	19%

(3000K) LED energy saving compared with conventional lamps



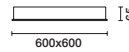
Recessed



light source	W*	lm	code colour
LED			
Neutral white	45W	4100	MR71 01
Warm white	45W	4000	MR72 01
T 16 (G5)			
Multiwatt	4x14/24 W		MA89 01
DALI multiwatt	4x14/24 W		MA90 01
Multiwatt and permanent emergency light	4x14/24 W		MA91 01

DALI versions occupy 1 address

Ceiling-mounted



light source	W	code colour
T 16 (G5)		
Multiwatt	4x14/24 W	M637 01
DALI multiwatt	4x14/24 W	M638 01
Multiwatt and permanent emergency light	4x14/24 W	M639 01

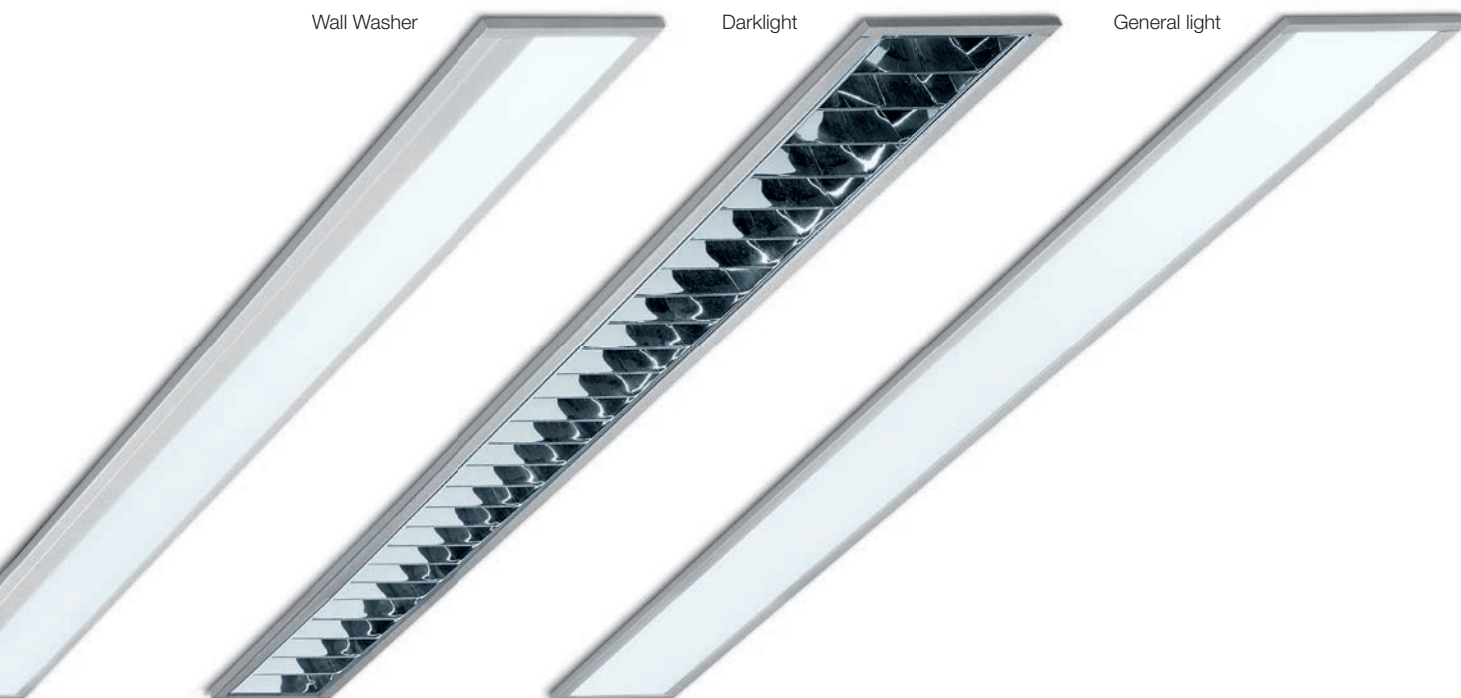
DALI versions occupy 1 address

accessories

	code colour
Kit of fastening rods for false ceilings with cross sections of 8 to 40 mm	MWN4 00

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue

Lineup recessed



Features



- Recessed installation in false ceilings with 1 to 35 mm.
- Galvanised, painted sheet steel supporting structure and end caps.
- Wall-washer versions with painted aluminium lamp cover and superpure aluminium reflector.
- UGR<19 Darklight versions, super-pure aluminium reflectors and lamellar optics with parabolic profile.
- General light versions with polycarbonate diffuser.
- Versions with RGB dynamic colour change and compatible with preconfigured light management systems.
- Available electronic and DALI control gear and emergency with inverter; 1,5 hours autonomy with 12 hour recharging cycle - 3 hours autonomy with 24 hour recharging cycle. Conforms to EN60598-2-22.
- Multiwatt ballasts.
- Luminaire ready for pass-through wiring.
- High level of light output.
- Luminaire reduced height.



Light distribution

Darklight

Ideal when lighting offices and spaces with monitors. The ultrapure aluminium reflectors deliver top lighting performance and controlled luminance in compliance with EN 12464 1 standards.



General light

The polycarbonate diffusing screens has a comfortable and homogenous light distribution with limited glare from the lamps.






Wall Washer

Ideal for vertical surfaces. The shape of the reflector was specially designed, and it produces uniform lighting on walls.








Recessed




100x(1174/1474xN+13)
N=number of fittings

light source	W	length	code colour
T 16 (G5)	Wall washer		
	Electronic		
	28 W	1198	5800 01
	35 W	1498	5801 01
	54 W	1198	5802 01
80 W	1498	5803 01	
DALI multiwatt			
	28/54 W	1198	5806 01
	35/49/80 W	1498	5807 01
DALI versions occupy 1 address			




100x(1174/1474xN+13)
N=number of fittings

light source	W	length	code colour
T 16 (G5)	Darklight		
	Electronic		
	35 W	1498	5814 01
	54 W	1198	5815 01
	2x35 W	1498	5816 01
2x54 W	1198	5817 01	
DALI multiwatt			
	28/54 W	1198	5818 01
	2x35 W	1498	5819 01
	2x28/54 W	1198	5820 01
Electronic and permanent emergency light			
	54 W	1198	5821 01
DALI versions occupy 1 address			







168x(574xN+13)
N=number of fittings

light source	W	length	code colour
TC-L (2G11)	Wall washer		
	Electronic		
	55 W	598	5808 01
DALI			
	55 W	598	5810 01
DALI versions occupy 1 address			




100x(1174/1474xN+13)
N=number of fittings

100x(1174/1474xN+13)
N=number of fittings

5826-5830

light source	W	length	code colour
T 16 (G5)	General light		
	Electronic		
	54 W	1198	5823 01
	80 W	1498	5824 01
	2x35 W	1498	5825 01
2x54 W	1198	5826 01	
DALI			
	28/54 W	1198	5827 01
	35/49/80 W	1498	5828 01
	2x35 W	1498	5829 01
	2x54 W	1198	5830 01
Electronic and permanent emergency light			
	54 W	1198	MM61 01
	2x35 W	1498	MM62 01
DALI versions occupy 1 address			
Complete with protection screen			

168x(1174xN+13)
N=number of fittings

light source	W	length	code colour
T 16 (G5)	Wall washer		
	RGB		
	3x28/54 W	1198	5813 01
Complete with lamp. Occupies 3 DALI addresses.			
Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.			



Continuous line modules

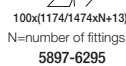
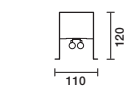
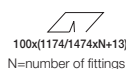
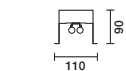
accessories



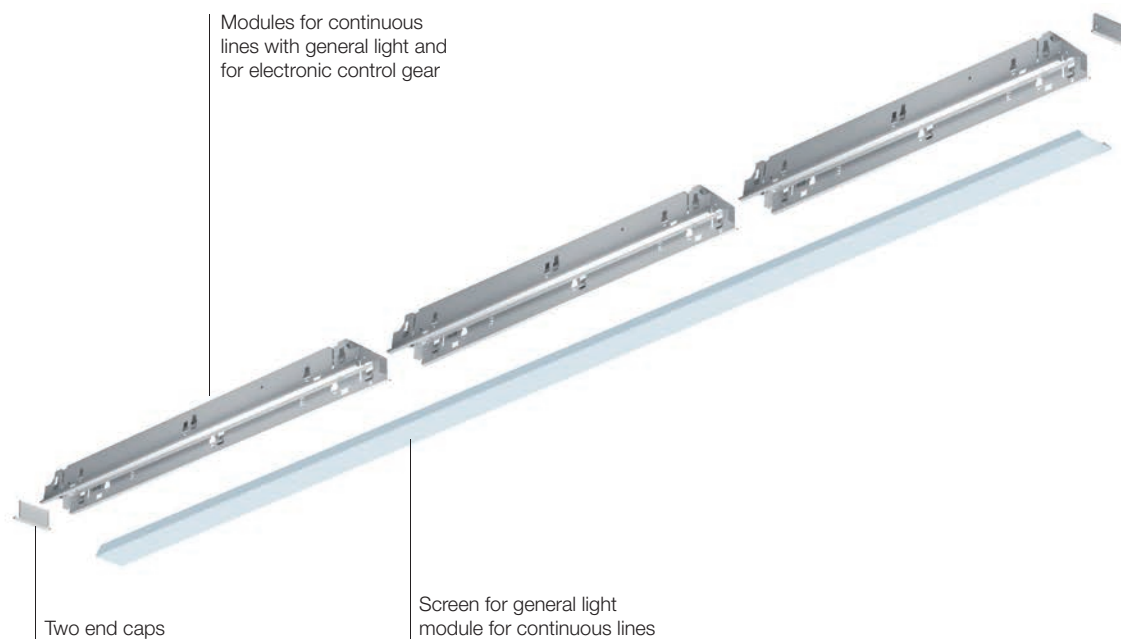
light source	W	length	code	colour
General light				
Electronic				
T 16 (G5)	54 W	1174	5894	01
	80 W	1474	5895	01
	2x35 W	1474	5896	01
	2x54 W	1174	5897	01
DALI				
	28/54 W	1174	5898	01
	35/49/80 W	1474	5899	01
	2x35 W	1474	6294	01
	2x54 W	1174	6295	01
Electronic and permanent emergency light				
	54 W	1174	MM63	01
	2x35 W	1474	MM64	01

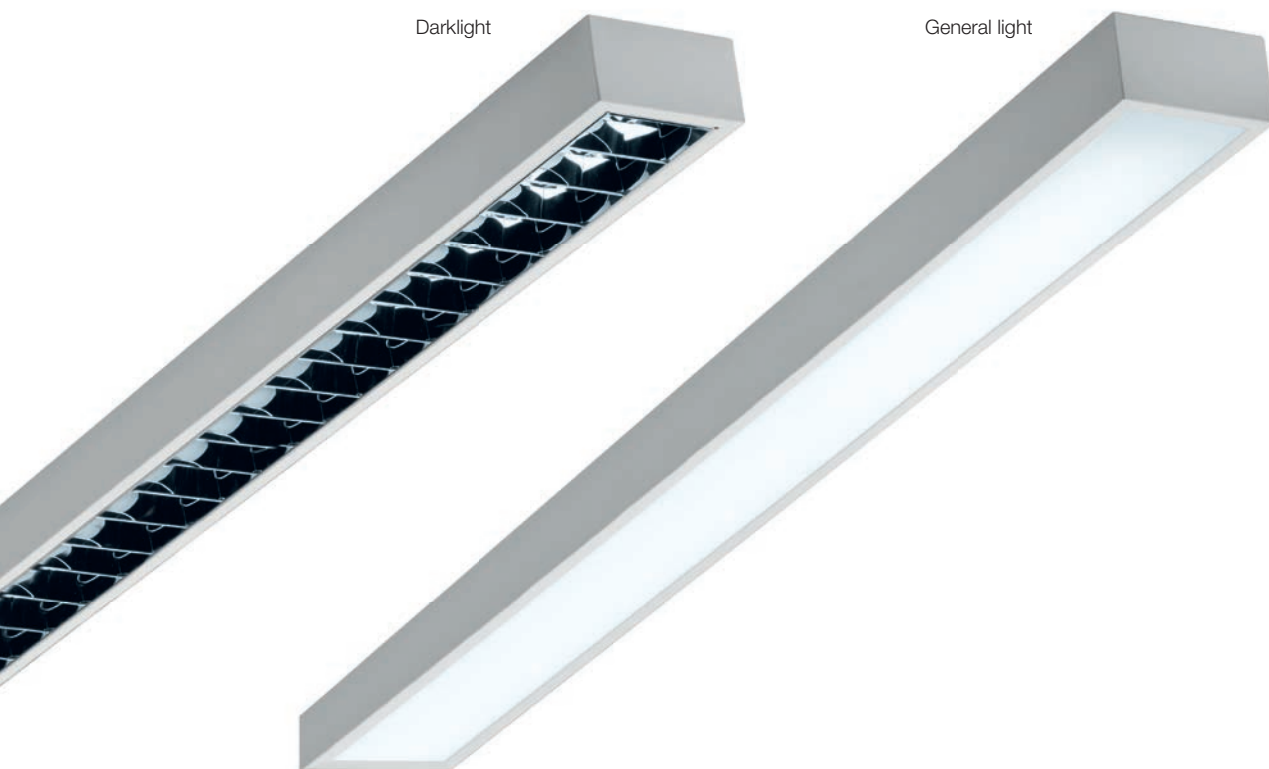
DALI versions occupy 1 address

	code	colour
Protection diffuser for multiple lengths		
1 module L=1174	9667	01
2 modules L=1174 (2348)	9668	01
3 modules L=1174 (3522)	9669	01
1 module L=1474	9670	01
2 modules L=1474 (2948)	9671	01
3 modules L=1474 (4422)	9672	01
Two end caps	9673	01



System composition





Features



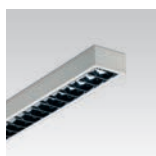
- Ceiling mounted or pendant installation.
- Powder-painted sheet steel structure.
- UGR<19 Darklight versions, super-pure aluminium reflectors and lamellar optics with parabolic profile.
- General light versions with polycarbonate diffuser.
- Available electronic and DALI control gear and emergency with inverter; 1,5 hours autonomy with 12 hour recharging cycle - 3 hours autonomy with 24 hour recharging cycle. Conforms to EN60598-2-22.
- Multiwatt ballasts.
- High level of light output.
- Suspension cables equipped millimetric regulation system.



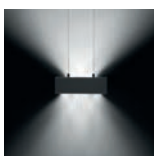
Light distribution

Darklight ceiling-mounted/pendant luminaire

Modules with up/down light emission can only be installed as pendants, whilst modules with down light emission can be either ceiling-mounted or pendant, installed using the appropriate accessories.

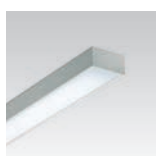


110 mm version

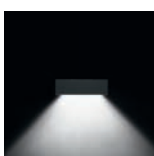


General light ceiling-mounted

The modules, with down light, can be either ceiling-mounted or pendant using the appropriate accessories.



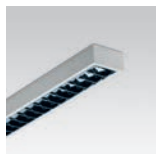
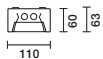
110 mm version







Pendant

installation systems



light source	W	length	code	colour
Darklight up/down light				
Multiwatt				
T 16 (G5)	35/49/80 W	1490	MA74	01
	28/54 W	1200	MA75	01
	2x35/49 W	1490	MA76	01
	2x28/54 W	1200	MA77	01
DALI multiwatt				
	35/49/80 W	1490	MA78	01
	28/54 W	1200	MA79	01
	2x35/49 W	1490	MA80	01
	2x28/54 W	1200	MA81	01

DALI versions occupy 1 address

	code	colour
 Ceiling attachment with suspension cables L=1500 Centre-to-centre distance 70 mm	MWM8	01
 Power supply base with suspension cables L=1500 Centre-to-centre distance 70 mm	MWM9	01



Ceiling-mounted / pendant

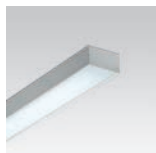
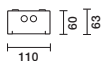
installation systems

light source	W	length	code	colour
Darklight down light				
Multiwatt				
T 16 (G5)	35/49/80 W	1490	M601	01
	28/54 W	1200	M602	01
	2x35/49 W	1490	M603	01
	2x28/54 W	1200	M604	01
DALI multiwatt				
	35/49/80 W	1490	M605	01
	28/54 W	1200	M606	01
	2x35/49 W	1490	M607	01
	2x28/54 W	1200	M608	01

DALI versions occupy 1 address

	code	colour
 Ceiling attachment with suspension cables L=1500 Centre-to-centre distance 70 mm	MWM8	01
 Power supply base with suspension cables L=1500 Centre-to-centre distance 70 mm	MWM9	01

light source	W	length	code	colour
General light down light				
Multiwatt				
T 16 (G5)	35/49/80 W	1490	M619	01
	28/54 W	1200	M620	01
	2x35/49 W	1490	M621	01
	2x28/54 W	1200	M622	01
DALI multiwatt				
	35/49/80 W	1490	M623	01
	28/54 W	1200	M624	01
	2x35/49 W	1490	M625	01
	2x54 W	1200	M626	01

DALI versions occupy 1 address



228

228



Pendants

Pendants



288 Gem



290 Greenwich



292 Berlino



294 Central 41



294 Central 42

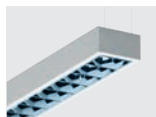


296 Tray



298 iSign

The codes, technical and lighting design features of this luminaire are presented in the relevant section



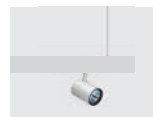
283 Lineup



172 Le Perroquet
LED



178 Front Light
LED



188 Tecnica Pro
LED



209 Cestello
LED



230 iPlan
LED

Gem

design Paul Andreu

DESIGN PLUS Light+Building



65
NITRIC



Features



- Pendant luminaire for direct or indirect/direct lighting, equipped with LED sources.
- Luminaires have two polycarbonate shells with a partial satin-finish.
- The shells are closed by special supports that are hooked to suspension cables (ordered separately as accessories).
- The joint between the two shells is water-tight thanks to a silicone gasket located around the perimeter and by a M12x1,5 nickel-plated brass cable-clamp for the exit of the power cable..
- Microperforated, polished superpure aluminium reflector.
- An aluminium support plate houses the light source and the control gear box.
- Suspension cables equipped with a system for highly precise adjustments.



Inclination of suspension cables max. 45°



Millimetric regulation of suspension cables

Light distribution

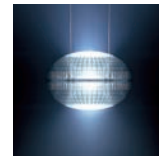
Down light

This version allows down light at a 145°.

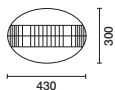


Up/down light

The double reflector provides up light at α 90° and down light at α 145°.



Installation systems



light source	W*	lm	code	colour
LED new				
Down light				
Neutral white DALI				
•	30 W	4500	N308	24
Warm white DALI				
•	30 W	4000	N309	24
Up/down light				
Neutral white DALI				
•	50 W	6500	N310	24
Warm white DALI				
•	50 W	6000	N311	24



Cable and base plate kit for suspension with power supply cable L=2000

code colour

4461 15

Shanghai Oriental Art Center - Shanghai, China
Architectural project: Paul Andreu, ADPI, ECADI (Chinese Architecture Institute)
Lighting project: Paul Andreu - Photo: Hans Schlupp



Greenwich

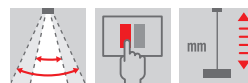
design Foster & Partners



Features



- Pendant with steel cables or rods.
- Turned, painted aluminium body.
- Superpure aluminium reflectors.
- Safety glass and anti-glare screen for controlling down light.
- The optical system allows adjustment of the down light cone in a range from 60° to 100° by focusing.
- Separate switches.
- Suspension cables equipped with a system for highly precise adjustments.



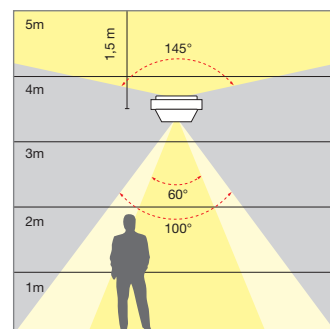
Light distribution

Up/down light guarantees great visual comfort, at the same time ensures an optimum lighting level.



Focusing

The optical system allows adjustment of the down light cone in a range from 60° to 100° by focusing, guaranteeing uniform, optimised lighting irrespective of the height at which the luminaire is installed.





Installation

Installation using rods

Installed on adjustable rods, guaranteeing maximum application flexibility to suit any architectural requirements.



Ceiling application



Wall application

Installation using cables

Suspension on steel cables allows easy, efficient installation operations and the luminaire discreetly fits in to any architectural context.

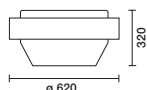



Suspension cables







Base with power supply cable

Installation systems



light source	W	code	colour
Up/down light			
HIT-CE (G12)	150 W up	3125	15
	+150 W down		
	150 W up	3126	15
	+70 W down		
	150 W up	*3127	15
	+150 W down		
	150 W up	*3128	15
	+70 W down		

* Designed to accept 100 W HAL B15d auxiliary halogen lamp.

	code	colour
 Adjustable suspension rods (± 80) L=4000	4457	15
 Adjustable suspension rods (± 80) L=4000 with power cord For non-standard installation heights, the rods may be cut.	4458	15
 Suspension cable kit L=3000 Suitable for use only in internal environments	0509	00
 Base with power supply cable L=3500	4459	15

Berlino

design Piano Design Workshop



Features




 IP23 (IP65 with safety glass)

- Pendant installation.
- Die-cast aluminium control gear box.
- Die-cast aluminium anchoring base equipped with power cable and hooking device, plus millimetre-accurate adjustment of the steel cable.
- Screen with transparent safety glass housed in a die-cast aluminium ring with a seal.
- Adjustment of light beam opening.
- Versions with emergency light available.



Small body



Large body

Light distribution

Down light

Version with aluminium reflector for down light.



Up/down light






Version with reflector made of glass + aluminium for down/up light.

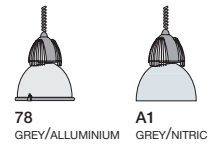




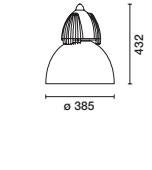



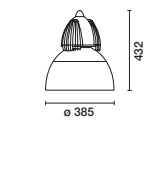

Diffused lighting



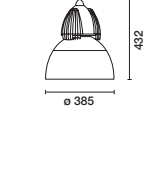

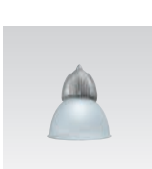

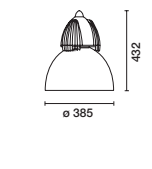

Version with etched glass reflector for diffused light emission. (small body).



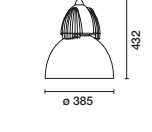





	HALO ES	150 - 250W		TC-TEL	42W
	HIE	250 - 400W		HIT-CE	70 - 150W
	QT 32	150 - 250W			










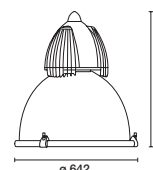
	light source	W	code colour
	HALO ES (E27)	150 W max (HALO ES)	4300 78
		250 W (QT 32)	
	QT 32 (E27)		
			
	TC-TEL (GX24q-4)	Electronic	4302 78
		42 W	
	HIT-CE (G12)	70 W	* 4305 78
		150 W	* 4306 78
* Complete with safety glass			



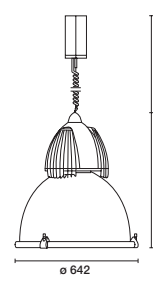
	light source	W	code colour
	HALO ES (E27)	150 W max (HALO ES)	4332 78
		150/250 W (QT 32)	
	QT 32 (E27)		
			
	TC-TEL (GX24q-4)	Electronic	4334 78
		42 W	
	HIT-CE (G12)	70 W	* 4337 78
		150 W	* 4338 78
* Complete with safety glass			

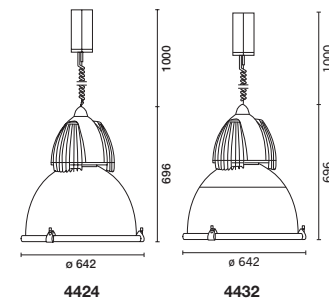
	light source	W	code colour
	QT 32 (E27)	150/250 W	4348 A1
			
	TC-TEL (GX24q-4)	Electronic	4350 A1
		42 W	
	HIT-CE (G12)	70 W	* 4353 A1
		150 W	* 4354 A1
* Complete with safety glass and superpure aluminium flow director			

accessories

	code colour	code colour
 Kit for ceiling installation and class II connection L=2000	4449 15 for 4300-4302-4305-4306 4332-4334-4337-4338 4348-4350-4353-4354	4449 15 for 4327-4343
 Kit for ceiling installation and class II connection L=2000	4447 15 for 4300-4302-4305-4306 4332-4334-4337-4338 4348-4350-4353-4354	4447 15 for 4327-4343
 Safety glass complete with seal Use of this accessory guarantees the product IP65 protection	4442 15	--- ---
 Superpure aluminium flow director	4462 12 for 4350	--- ---
 Antiglare screen Use of this accessory provides increased visual comfort, but reduces luminous yield.	4450 04 for 4305-4306-4337-4338	4455 04 for 4343-4432
	4451 04 for 4300-4332	4456 04 for 4327-4424

	light source	W	code colour
	HIE (E40)	250 W	4327 78
			
		250 W	4343 78
* Complete with safety glass			

	light source	W	code colour
	HIE (E40)	250 W	4424 78
			
		250 W	4432 78
Complete with safety glass			



Central

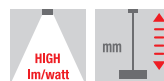
design M. and L. Vignelli - D. Law



Features



- Direct lighting pendant.
- Moulded polycarbonate component holder box integrated with diffuser.
- Central 41 is equipped with safety glass held in the lower polycarbonate ring. Simplified unhooking system and safety cable.
- Central 42 is equipped with a multifaceted internal diffuser made of ultrapure aluminium.
- Suspension system complete with a power cable (only for model SM05 and model SM11) or a plastic-coated cable. Transparent power cable for all models.
- Steel sheet ceiling mounted attachment and polycarbonate external rose element.
- High level of light output.
- Suspension cables equipped with a system for highly precise adjustments.



Light distribution

Central 41
aluminium screen
for direct lighting

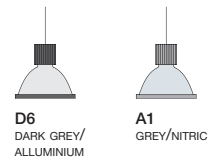




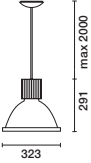




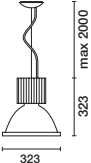





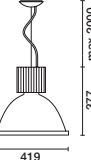




	QT 32	150 - 250W
	HIT-CE	70 - 150W
	TC-TEL	32 - 57W

Central 42
polycarbonate screen
for diffused lighting




	QT 32	100 - 150W
	HIE	70 - 150W
	TC-TEL	32 - 42W



	light source	W	code	colour		light source	W	code	colour	
	QT 32 (E27) 	150 W	Aluminium reflector SM05 D6				QT 32 (E27) 	100 W	Polycarbonate screen SM11 A1	
			Complete with suspension cables and power supply cable						Complete with suspension cables and power supply cable	
	HIT-CE (G12) 	70 W	Aluminium reflector SM06 D6				HIE (E27) 	70 W	Polycarbonate screen SM12 A1	
			TC-TEL (GX24q-3) 	32 W					Electronic SM07 D6	
Complete with suspension cables and power supply cable		Complete with suspension cables and power supply cable								
	QT 32 (E27) 	250 W	Aluminium reflector SM10 D6				QT 32 (E27) 	150 W	Polycarbonate screen SM16 A1	
			HIT-CE (G12) 	70 W 150 W					SM17 D6 SM08 D6	
TC-TEL (GX24q-5) 	57 W	Electronic SM09 D6			Electronic SM15 A1					
		Complete with suspension cables and power supply cable		Complete with suspension cables and power supply cable						

accessories

	code	colour
 Antiglare screen	MW53 04 for SM16	
	MW54 04 for SM14-SM18	

Tray

design G. and O. Buratti



Features



- Pendant installation.
- Cylindrical lamp is made of polycarbonate sheet with a satin finish.
- Moulded aluminum structure and painted.
- Thermoformed acrylic anti-glare screen with prismatic finish.
- Suspension cables equipped with a system for highly precise adjustments.



Light distribution

The cylindrical diffuser body and the prismatic lower screen guarantee uniform lighting and excellent visual comfort.

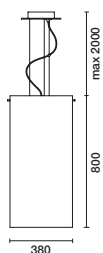


	HALO ES	3x100 - 4x100W
	TC-L	2x55 - 3x18W
	QT 32	3x100 - 4x100W
	TC-DEL	4x26W

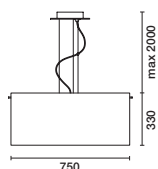


light source	W	code colour
TC-L (2G11)	2x55 W	SH35 B5

Complete with suspension cables and power supply cable



light source	W	code colour
HALO ES (E27)	4x100 W max (HALO ES)	SH38 B5
QT 32 (E27)	4x100 W (QT32)	

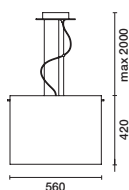


light source	W	code colour
TC-DEL (G24q-3)	4x26 W	SH39 B5

Complete with suspension cables and power supply cable



light source	W	code colour
HALO ES (E27)	3x100 W max (HALO ES)	SH36 B5
QT 32 (E27)	3x100 W (QT32)	



light source	W	code colour
TC-L (2G11)	3x18 W	SH37 B5

Complete with suspension cables and power supply cable

iSign

design J. M. Duthilleul



Features



- Diffused light luminaire equipped with fluorescent and LED sources.
- Polycarbonate body and end caps, aluminium and sheet steel internal structure.
- End caps can be unhooked via stainless steel clips.
- Extractable plate for lamp changes.
- Terminal boxes for quick connection.
- Available electronic and DALI control gear, and permanent emergency light, 1.5 hours autonomy with 12 hour recharging cycle - 3 hours autonomy with 24 hour recharging cycle. Conforms to EN60598-2-22.
- Versions (FL) with RGB dynamic colour change and compatible with preconfigured light management systems.
- Luminaire ready for pass-through wiring.

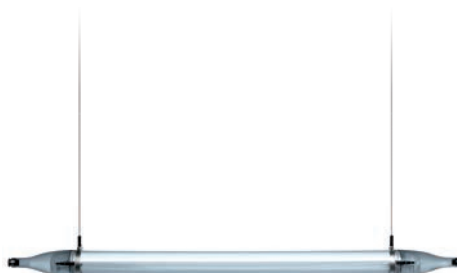


Application

With specific accessories iSign can be installed in wall/ceiling, single or double pendant version in horizontal and vertical position.



wall/ceiling-mounted



horizontal pendant



vertical pendant



Horizontal double pendant application

ø 80 mm



light source	W*	lm	length	code colour
LED new	Neutral white - Complete with pass-through wiring			
• 32W	4350	1630	6787	24
• 41W	5450	1910	6788	24
Warm white - Complete with pass-through wiring				
• 32W	4200	1630	6789	24
• 41W	5250	1910	6790	24
Neutral white DALI - Complete with pass-through wiring				
• 32W	4350	1630	6791	24
• 41W	5450	1910	6792	24
Warm white DALI - Complete with pass-through wiring				
• 32W	4200	1630	6793	24
• 41W	5450	1910	6794	24
Neutral white - Permanent emergency light autonomy 3 hour				
• 41W	5450	1910	6795	24
Warm white - Permanent emergency light autonomy 3 hour				
• 41W	5250	1910	6796	24
DALI versions occupy 1 address				












T 16 (G5)	Electronic	W	lm	code colour
←	28W	1460	6743	24
	35W	1760	6744	24
	54W	1460	6745	24
	80W	1760	6746	24
Class of Insulation I				
Electronic complete with pass-through wiring				
	28W	1460	6736	24
	35W	1760	6737	24
	39W	1160	6738	24
	54W	1460	6739	24
	80W	1760	6740	24
	2x28W	1460	6741	24
	2x35W	1760	6742	24
DALI versions on request				
Electronic and permanent emergency light				
	2x35W	1760	MM58	24

ø 110 mm



light source	W	length	code colour
T 16 (G5)	Electronic		
←	2x28W	1575	6751 24
	2x49W	1875	6752 24
	2x54W	1575	6753 24
Class of Insulation I			
Electronic complete with pass-through wiring			
	2x28W	1575	6748 24
	2x49W	1875	6749 24
	2x54W	1575	6750 24
DALI versions on request			
Electronic and permanent emergency light			
	2x28W	1575	MM59 24
RGB complete with pass-through cables			
	3x28/54W	1575	6755 24
	3x35/49W	1875	6756 24
Complete with: 1 Red tube 1 Green tube 1 Blue tube Occupies 3 DALI addresses			
Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.			

accessories	ø 80		ø 110	
	code	colour	code	colour
 Two plastic brackets for ceiling/wall installation	9400	15	9412	15
 Two aluminium brackets for ceiling/wall installation	9499	15	9619	15
 5-pole power base	9401	15	9401	15
 Cable for single horizontal suspension L=1500	9403	00	9421	00
 5-pole power base with cables for single horizontal suspension L=1500	9402	15 To be ordered with code 9403	9413	15 To be ordered with code 9421
 Cable for double horizontal suspension L=1500	9409	00	9423	00
 5-pole power base with cables for double horizontal suspension L=1500	9408	15 To be ordered with code 9409	9422	15 To be ordered with code 9423
 5-pole power base with cables for single vertical suspension L=1500	9410	15	9431	15
 5-pole power base with cables for double vertical suspension L=1500	9411	15	9432	15

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



Wall / ceiling / floor luminaires

Ceiling-mounted luminaires



302 iRoll
LED



306 Cup
LED

Wall/ceiling-mounted luminaires



308 Motus LED



310 Motus



310 Motus



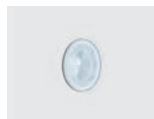
312 Anyway



New
313 Mini Reglette
LED



316 Ceiling
luminaires
LED



317 Vision
LED

Wall-mounted luminaires



318 iTeka

Specific lighting effect luminaires



320 Underscore6
LED



320 Underscore
15/18
LED



320 Underscore
X26
LED



New
334 Underscore
Grazer
LED



339 PizzaKobra
LED

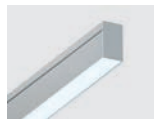
The codes, technical and lighting design features of these luminaires are shown in the relevant sections



248 Action



283 Lineup



259 iN90 - iN60 -
iN30
LED



298 iSign



172 Le Perroquet
LED



209 Cestello
LED



254 Y Light



209 Cestello



230 iPlan
LED



254 Y Light



636 iPro
micro / mini
LED



473 Linealuce
Mini
LED



473 Linealuce
Compact
LED



563 Ledplus
all glass
LED



563 Ledplus
stainless steel frame
LED



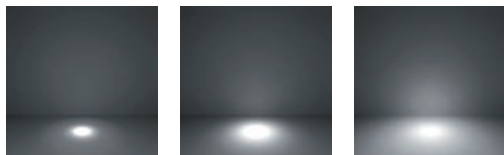
Features



- Ceiling-mounted, wall-mounted, or installed as pendants.
- Aluminium body turned on a lathe, die-cast aluminium ceiling plate, lower frame for ø 240 model made of highly heat-resistant polycarbonate, ø 140 model made of die-cast aluminium.
- Superpure aluminium reflector.
- Professional optics with controlled luminance UGR<19.
- Available electronic multiwatt and DALI control gear, and emergency with inverter.
- High level of light output.
- LED versions with passive dissipation.



Optics and lamps



S - Spot
α from 9° to 15°

M - Medium
α from 16° to 25°

F - Flood
α from 26° to 39°

LED	10 - 17 - 38W	HIT-CE	70W
QR 111	50W	TC-TEL	26 - 2x26 - 2x32W
PAR 30S	75W	TC-DEL	2x18W
HIR-111-CE	35W		

Applications



ceiling-mounted



pendant



wall-mounted




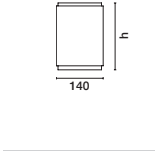

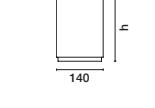




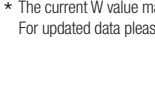
LED


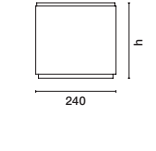







Energy saving

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

lumen lm	LED	QR CBC 51	ENERGY SAVING	QR 111	ENERGY SAVING	HIT-CE	ENERGY SAVING
1200	10W	50W	80%	-	-	-	-
2100	17W	2x50W	83%	-	-	-	-
4000	38W	-	-	3x75W	83%	50W	24%

(3000K) LED energy saving compared with conventional lamps

light source	W*	lm	h	code colour
General lighting				
 QR 111 (G53)	Electronic			
 PAR 30S (E27)	50W 12V		200	5474 01-15
 HIR-111-CE (GX8,5)	75W		200	5476 01-15
 HIR-111-CE (GX8,5)	Electronic			
 HIR-111-CE (GX8,5)	35W		230	5475 01-15
LED UGR<19				
 LED UGR<19	Neutral white			
 LED UGR<19	10W	1250	200	MQ06 01-15
 LED UGR<19	Warm white			
 LED UGR<19	10W	1200	200	MQ07 01-15
 LED UGR<19	Neutral white DALI			
 LED UGR<19	10W	1250	200	MQ08 01-15
 LED UGR<19	Warm white DALI			
 LED UGR<19	10W	1200	200	MQ09 01-15

light source	W*	lm	h	code colour
LED General lighting				
 LED General lighting	Neutral white			
 LED General lighting	17W	2200	228	MQ10 01-15
 LED General lighting	38W	4200	228	MQ12 01-15
 LED General lighting	Warm white			
 LED General lighting	17W	2100	228	MQ11 01-15
 LED General lighting	38W	4000	228	MQ13 01-15
 LED General lighting	Neutral white DALI			
 LED General lighting	17W	2200	228	MQ14 01-15
 LED General lighting	38W	4200	228	MQ16 01-15
 LED General lighting	Warm white DALI			
 LED General lighting	17W	2100	228	MQ15 01-15
 LED General lighting	38W	4000	228	MQ17 01-15
 LED General lighting	Neutral white with inverter			
 LED General lighting	17W	2200	228	MQ18 01-15
 LED General lighting	Warm white with inverter			
 LED General lighting	17W	2100	228	MQ19 01-15
 TC-TEL (GX24q-3)	Electronic			
 TC-TEL (GX24q-3)	26W		200	5479 01-15
 TC-TEL (GX24q-3)	2x26W		200	5481 01-15
 TC-TEL (GX24q-3)	DALI			
 TC-TEL (GX24q-3)	26W		200	5482 01-15
 TC-TEL (GX24q-3)	2x26W		200	5484 01-15
 TC-TEL (GX24q-3)	Emergency light with inverter			
 TC-TEL (GX24q-3)	2x26W		200	5496 01-15
 TC-DEL (G24q-2)	Electronic			
 TC-DEL (G24q-2)	2x18W		200	5480 01-15
 TC-DEL (G24q-2)	DALI			
 TC-DEL (G24q-2)	2x18W		200	5483 01-15
 TC-DEL (G24q-2)	Emergency light with inverter			
 TC-DEL (G24q-2)	2x18W		200	5485 01-15
 HIT-CE (G12)	Electronic			
 HIT-CE (G12)	70W		273	5495 01-15
 HIT-CE (G12)	IP43 - Complete with safety glass			
 HIT-CE (G12)	DALI versions occupy 1 address			

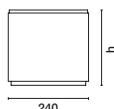
* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



01
WHITE



15
GREY



light source	W*	lm	h	code	colour
LED	UGR<19				
Neutral white					
17 W	2200	273		MQ20	01-15
38 W	4200	273		MR73	01-15
Warm white					
17 W	2100	273		MQ21	01-15
38 W	4000	273		MR74	01-15
Neutral white DALI					
17 W	2200	273		MR75	01-15
38 W	4200	273		MR77	01-15
Warm white DALI					
17 W	2100	273		MR76	01-15
38 W	4000	273		MR78	01-15
Neutral white with inverter					
17 W	2200	273		MR79	01-15
Warm white with inverter					
17 W	2100	273		MR80	01-15



Darklight					
Electronic					
2x26 W		228		5487	01-15
2x32 W		228		5488	01-15
DALI					
2x26 W		228		5489	01-15
2x32 W		228		5490	01-15
Emergency light with inverter					
2x26 W		228		5497	01-15

DALI versions occupy 1 address

accessories



	code	colour	code	colour
Safety glass	---	---	9445	24
Diffusing glass	---	---	9445	65
			for 5479-5480-5481-5482 5483-5484-5485-5496	
Kit for wall installation	9439	01-15	9443	01-15
Power supply base with suspension cables L=1500	9438	01-15	9440	01-15
for DALI versions	---	---	9441	01-15
for versions with inverter	---	---	9442	01-15

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



Cup

design Roberto Pamio



Features



- Diffused light luminaire.
- Ceiling-mounted, pendant and recessed installation.
- Die-cast aluminium body; thick, transparent pressed glass with an internal satin finish.
- High level of light output.



Application



ceiling-mounted



semi-recessed



pendant

Cup



01
WHITE



15
GREY

65
NITRIC

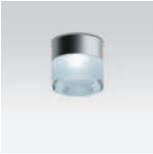


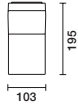

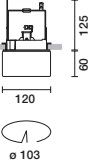

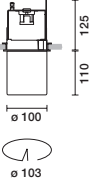

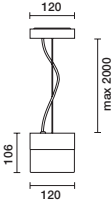

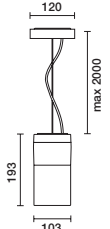
LED

Energy saving

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
30000 h **L70**
- Color temperature:
Warm white **2700K**

lumen lm	LED	QR CBC 51 	
800	11W	50W	78%

LED energy saving compared with conventional lamps

light source	W*	lm	code colour	light source	W*	lm	code colour
 	LED Ceiling-mounted Warm white 11 W 800		MQ97 01-15	 	LED Ceiling-mounted Warm white 11 W 800		MQ98 01-15
 	LED Recessed Warm white 11 W 800 Class of Insulation II		MQ99 65	 	LED Recessed Warm white 11 W 800 Class of Insulation II		MR00 65
 	LED Pendant Warm white 11 W 800 Complete with suspension cables and power cable		MQ95 01-15	 	LED Pendant Warm white 11 W 800 Complete with suspension cables and power cable		MQ96 01-15

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



Features



- Safety indication with LED lamp.
- Painted steel lamp body.
- Transparent PMMA screens with pictograms for signalling (design L22).
- Indication visible from a distance of 25 m in conformity with UNI EN 1838.
- Ceiling-mounted, recessed, wall-mounted and cantilever.
- Ni-Cd battery; autonomy: 3 hours.
- Permanent operation (always-on).
- Auto-test or centralized test versions.
- Accessories: control system for luminaires with centralized test; remote control for inhibiting luminaires with auto-test.



Applications

Motus LED can be applied in different installation modes.

recessed

ceiling-mounted

cantilever

wall-mounted



Signalling

In compliance with EN 1838 European standard



SA emergency operation

The system is always on to show directions and emergency exits.

Rest mode

Available for all versions, it permits deactivating the system for short periods. The emergency system is reactivated with remote control code MXT0 (versions with auto-test) or with control system code MXS9 (versions with centralized test).

Inhibition mode


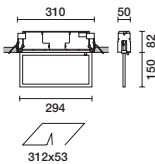

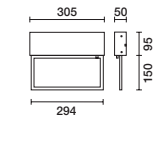

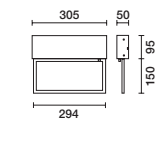

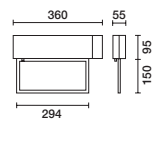
Available for versions with centralized test, it permits deactivating the system for long inactivity periods. The emergency system is reactivated with control system code MXS9.



Optical system






Indicator luminaire with Neutral White LED lamp, visible from a distance of 25 meters (EN1838), life 70,000 hours.





	light source	W	lm	auton.	recharge	code	colour
 	LED						
	Recessed						
	Always-on (SA) with emergency signalling - Auto-Test						
	Neutral white						
	1 W	35	3h	24h		MU31	01
	Always-on (SA) with emergency signalling - Centralized test						
	Neutral white						
	1 W	35	3h	24h		MU32	01
 	LED						
	Ceiling-mounted						
	Always-on (SA) with emergency signalling - Auto-Test						
	Neutral white						
	1 W	35	3h	24h		MU33	01
	Always-on (SA) with emergency signalling - Centralized test						
	Neutral white						
	1 W	35	3h	24h		MU34	01
 	LED						
	Wall-mounted						
	Always-on (SA) with emergency signalling - Auto-Test						
	Neutral white						
	1 W	35	3h	24h		MU35	01
	Always-on (SA) with emergency signalling - Centralized test						
	Neutral white						
	1 W	35	3h	24h		MU36	01
 	LED						
	Wall-mounted, cantilever style						
	Always-on (SA) with emergency signalling - Auto-Test						
	Neutral white						
	1 W	35	3h	24h		MU37	01
	Always-on (SA) with emergency signalling - Centralized test						
	Neutral white						
	1 W	35	3h	24h		MU38	01

The codes refer to the installation system. Indicator screens to be ordered separately.

accessories

	code	colour
 Screen with pictogram 1 side - left arrow	MXS4	84
 Screen with pictogram 1 side - right arrow	MXS5	84
 Screen with pictogram 1 side - downward arrow	MXS6	84
 Screen with pictogram 2 sides - right/left arrow	MXS7	84
 Screen with pictogram 2 sides - downward arrow	MXS8	84

components

	code	colour
 Control system for luminaires with Centralized test - 230V-50Hz - Rechargeable internal battery (charges in 24 h) - Absorption 2VA - 1 output line - max 100 luminaires connectable - Allows: 1) immediate manual tests from keyboard 2) programmed automatic tests	MXS9	00
 Command for inhibiting luminaires with Auto-Test - max 100 luminaires can be operated - Absorption from mains 0,5 VA - Allows: synchronization of tests, immediate function test, inhibiting	MXT0	00

Motus

design Atelier Bellini



Features



- Wall- or ceiling-mounted installation.
- Self-extinguishing shatterproof polycarbonate.
- General or emergency light.



Easy installation



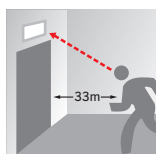
Installed over mounting and connection boxes



Wall mounting with external cable conduit

Emergency lighting

In compliance with EN 1838 European standard



SA emergency operation

The system is always on to show directions and emergency exits and as general illumination.

SE emergency operation

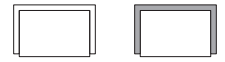
The system functions only in emergency conditions, beginning to operate in the event of power supply failure.

Rest mode

It permits deactivating the system for short periods. When power supply is started again, the emergency system resumes its functions too.

Inhibition mode

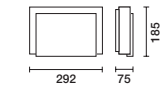
It permits deactivating the system for long inactivity periods. The emergency system needs manual restarting.



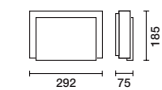
01
WHITE

15
GREY

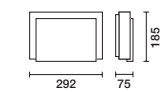
light source	W	autonomy	recharge	code	colour
TC-SEL (2G7)	General light				5424 01-15
	11 W				
	Emergency light (SE)				
	11 W	1h	12h	5423 01-15	
	11 W	1,5h	12h	5498 01-15	



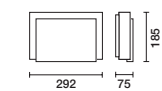
light source	W	autonomy	recharge	code	colour
TC-SEL (2G7)	Emergency light (SE)				5426 01-15
	11 W	1h	12h		
	11 W	1,5h	12h	5499 01-15	



light source	W	autonomy	recharge	code	colour
TC-SEL (2G7)	Emergency light (SE)				5428 01-15
	11 W	1h	12h		
	11 W	1,5h	12h	5500 01-15	

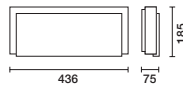


light source	W	autonomy	recharge	code	colour
TC-SEL (2G7)	Emergency light (SE)				5430 01-15
	11 W	1h	12h		
	11 W	1,5h	12h	5568 01-15	

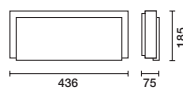


Complete with lamp except General light version.

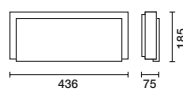
light source	W	autonomy	recharge	code	colour
TC-L (2G11)	General light				5439 01-15
	24 W				
	Emergency light (SE)				
	24 W	1h	12h	5435 01-15	
	24 W	3h	16h	5437 01-15	



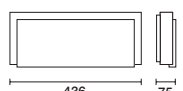
light source	W	autonomy	recharge	code	colour
TC-L (2G11)	Emergency light (SE)				5444 01-15
	24 W	1h	12h		
	24 W	3h	16h	5446 01-15	



light source	W	autonomy	recharge	code	colour
TC-L (2G11)	Emergency light (SE)				5452 01-15
	24 W	1h	12h		
	24 W	3h	16h	5454 01-15	



light source	W	autonomy	recharge	code	colour
TC-L (2G11)	Emergency light (SE)				5460 01-15
	24 W	1h	12h		
	24 W	3h	16h	5462 01-15	



Complete with lamp except General light version.
The versions with 3h autonomy and 16h recharge guarantee the autonomy of 1.5h with 12h recharge with the same flows

accessories

	code	colour
Coupling for external cable trays ø 16 or 20 mm	1199	15
Replacement batteries	1229	00
	for 5423-5426-5428-5430	
	1234	00
	for 5435-5436-5444-5445	
	5452-5453-5460-5461	
	1236	00
	for 5437-5438-5446-5447	
	5454-5455-5462-5463	
	1240	00
	for 5498-5499-5500-5568	



01
WHITE



15
GREY



Features



- Wall- or ceiling-mounted installation.
- Extruded aluminium and polycarbonate.
- Extruded polycarbonate screen, with internal embossed design and satin finish.
- Available electronic control gear and maintained emergency light, 1.5 hours autonomy with 12 hour recharging cycle - 3 hours autonomy with 24 hour recharging cycle. Compliance with EN60598-2-22.



light source	W	length	code colour
TC-L (2G11)	Electronic 18 W	275	SD75 01-15
T 16 (G5)	Electronic 24 W	615	SD76 01-15
IP54 (ceiling application) IP55 (wall application) Class of Insulation II			
Emergency light			
	24 W	615	MM68 01-15

Mini Reglette



Features



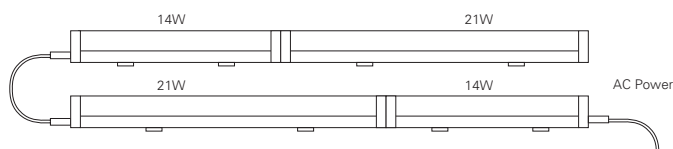
- Wall- or ceiling-mounted installation.
- Aluminium body, polycarbonate screen.
- Fast-coupling direct joints.
- Available electronic and DALI control gear.
- Luminaire reduced dimensions.



System grouping

Maximum number of products that can be connected with one single power supply (electronic versions)
For the DALI versions consult the instructions sheet.

- 14 W T 16 - max 20 pieces
- 21 W T 16 - max 15 pieces
- 28 W T 16 - max 12 pieces
- 35 W T 16 - max 10 pieces
- 10 W LED - max 20 pieces
- 20 W LED - max 10 pieces










Max power 400W

light source	W*	lm	length	code colour
LED new	Complete with power supply			
Neutral white 4000K				
• 10 W	800	598	5229	12
• 20 W	1600	1198	5231	12
Warm white 3000K				
• 10 W	720	598	5230	12
• 20 W	1440	1198	5232	12
Electronic				
3000K				
T 16 (G5)	14 W	578	5203	01
	21 W	878	5204	01
	28 W	1178	5205	01
	35 W	1478	5206	01
4000K				
	14 W	578	5207	01
	21 W	878	5208	01
	28 W	1178	5225	01
	35 W	1478	5226	01
Complete with lamp and protection screen				

light source	W	length	code colour
DALI			
3000K			
T 16 (G5)	14 W	595	5278 01
	21 W	895	5279 01
	28 W	1195	5280 01
	35 W	1495	5281 01
4000K			
	14 W	595	5282 01
	21 W	895	5283 01
	28 W	1195	5284 01
	35 W	1495	5285 01
Complete with lamp and protection screen			
Class of Insulation I			

accessories

	Power supply cable complete with plug L=1800	9693 01	for electronic versions		Power supply cable without plug L=1500	9724 01	for DALI versions
	Power supply cable with 90° base complete with plug L=1800	9692 01	for electronic versions		Flexible connection cable L=300 L=600 L=800 L=1000	9725 01	for DALI versions
	Flexible connection cable L=150 L=300 L=1800	9690 01	for electronic versions	9741 01			
		9694 01		9742 01			
		9691 01		9743 01			



Ceiling Luminaires

design Luigi Massoni (Muna)



01
WHITE



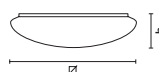
Features



- Wall- or ceiling-mounted installation.
- Sheet steel body, with thermoplastic material screen.
- LED version available.
- Available Inductive control gear and emergency light.



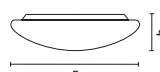
Muna



light source	W	dimens.	h	code colour
TC-S (G23)	Inductive			
	2x9W	∅ 260	85	5235 01
TC-L (2G11)	Inductive			
	2x18W	∅ 394	117	5236 01
	2x36W	∅ 530	143	5240 01
Electronic				
	2x18W	∅ 394	117	5238 01
	2x36W	∅ 530	143	5242 01
	Inductive emergency light			
2x36W	∅ 530	143	5243 01	
TC-DEL (G24q-2)	Inductive emergency light			
2x18W	∅ 394	117	5239 01	

Electronic FL versions in Class of Insulation II

Bos



light source	W*	lm	dimens.	h	code colour
LED	Neutral white				
	9W	1000	∅ 264	80	5014 01
	21W	2170	∅ 426	125	5030 01
	Warm white				
9W	1000	∅ 264	80	5015 01	
21W	2170	∅ 426	125	5031 01	
TC-S (G23)	Inductive				
	2x9W		∅ 264	80	5344 01
HALOES (E27)	Inductive				
	60W max		∅ 426	125	5099 01
	100W max		∅ 530	150	5096 01
TC-L (2G11)	Inductive				
	2x18W		∅ 426	125	5342 01
	2x36W		∅ 530	150	5343 01
	Electronic				
2x18W		∅ 426	125	5353 01	
2x36W		∅ 530	150	5354 01	
Inductive emergency light					
	2x36W		∅ 530	150	5401 01
TC-DEL (G24q-2)	Inductive emergency light				
	2x18W		∅ 426	125	5400 01

Electronic FL versions in Class of Insulation II

Vision

design Roberto Pamio



65
NITRIC



Features




- Recessed wall- and ceiling mounting.
- Diffusers made with pressure-formed glass which have an internal satin finish. Painted metal lamp

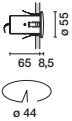
- compartment can be recessed into plasterboard, or similar surfaces, without an outer casing.
- Optional outer casings made of painted metal sheet.




Compact size

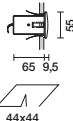
	light source	W*	lm	optic	code colour
	LED	Cool white			
		1,3W	45	88°	SP51 65
		Blue	1,3W	15	88°
	QT9 (G4)	10W 12V		82°	SP41 65

Complete with lamp and electronic transformer




	light source	W*	lm	optic	code colour
	LED	Cool white			
		1,3W	45	88°	SP54 65
		Blue	1,3W	15	88°
	QT9 (G4)	10W 12V		82°	SP46 65

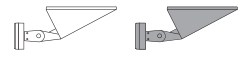
Complete with lamp and electronic transformer



accessories

	code colour	code colour
 Outer casing This accessory permits installation in brick and concrete walls	SP79 01 dim. 223x78x80h	SP81 01 dim. 220x65x80h

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



01
WHITE

15
GREY



Features



- Wall- or surface-mounted.
- Die-cast aluminium body, extruded aluminium components case.
- Superpure aluminium reflector, sodium-calcium safety glass.
- Adjustability of the projector body +30/ -10° on the vertical axis with mechanical aiming lock.



Applications



ceiling-mounted

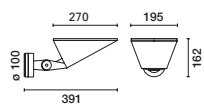


wall-mounted
down light

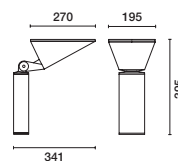


wall-mounted
up light

	light source	W	optic	code	colour
	QT-DE12ES (R7s)	150 W max	A	B787	01-15
	IP66 - Class of Insulation II				



	light source	W	optic	code	colour
	HIT-CE (G12)	Electronic 70 W 150 W	A	5006	01-15
			A	5007	01-15



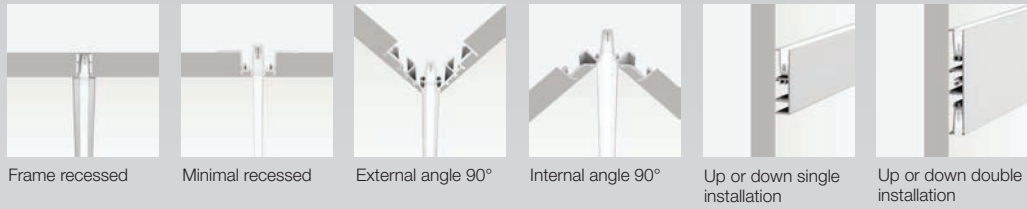
accessories

	code	colour
	B997	65
Diffusing glass to be fitted with accessory-frame		
	B995	04
Transverse baffle Can also be fitted with accessory-frame		

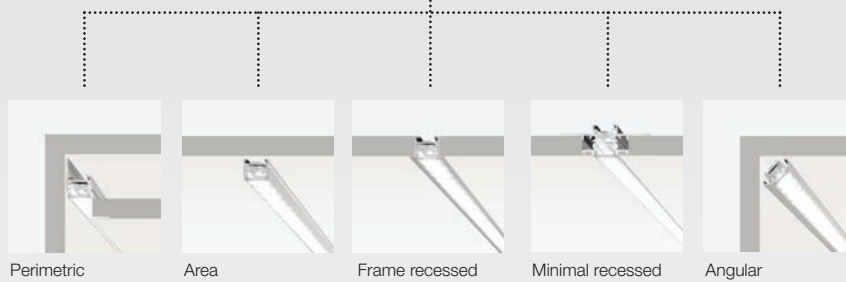
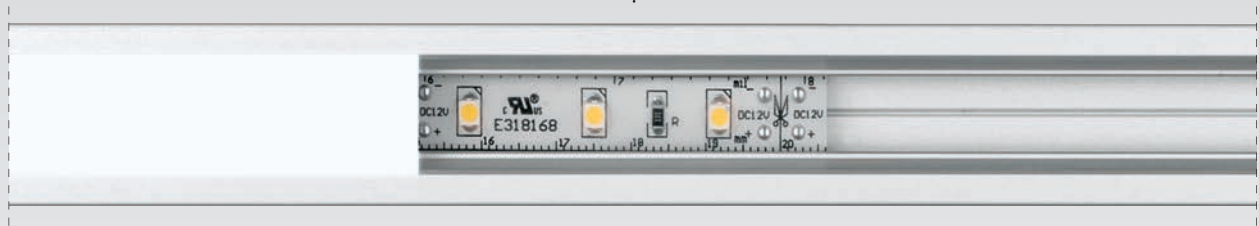
	code	colour
	B996	15
Accessory-frame		

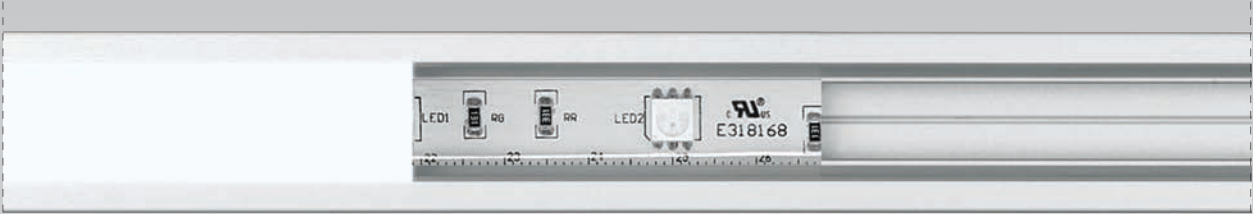


Underscore6 page 323



Underscore15 page 327





Perimetric



Area



Minimal recessed



Recessed



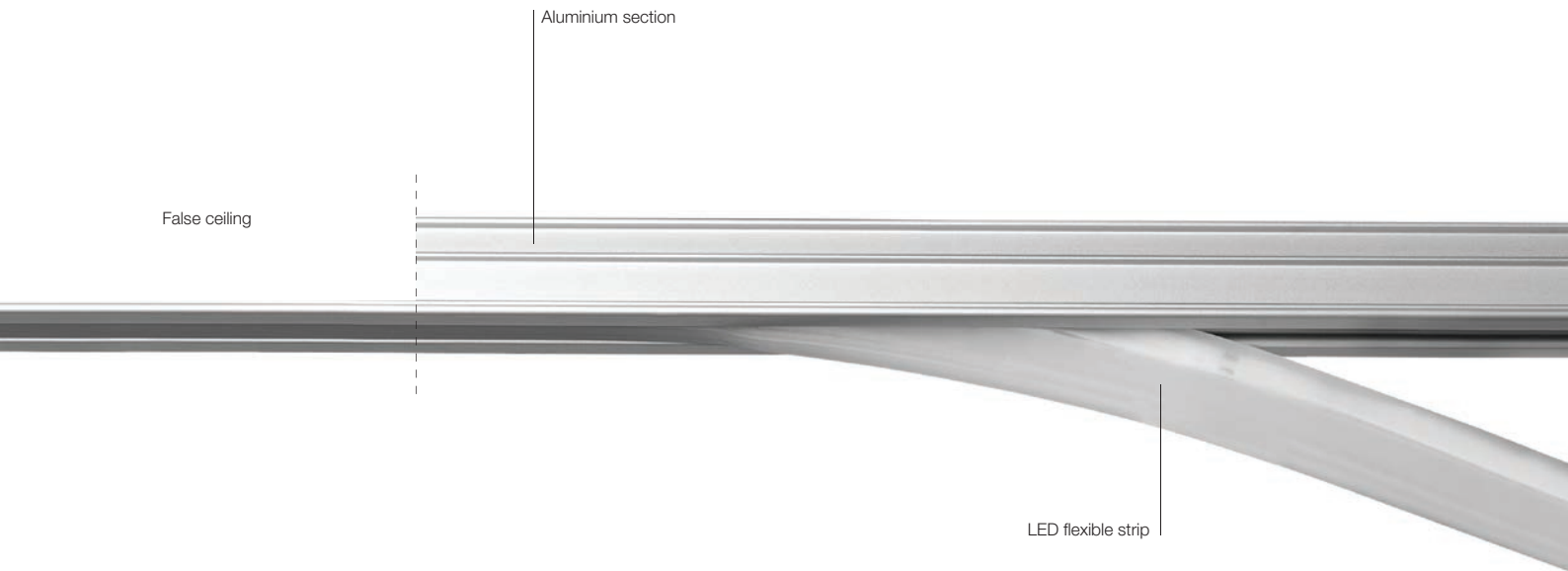
Area

Underscore Grazer is presented on page 334



Underscore6

design Dean Skira

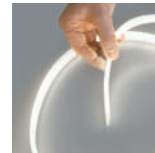


Features



- Flexible strip for linear lighting with monochrome LEDs. Extremely compact (6mm).
- Heat-dissipating silicone elastomer protective cover with diffusing finish.
- Can be cut at preset distances. Uncut strips (full length) ensure a degree of protection of IP65; circuit ends are provided with IP20 end cables, therefore the installer is responsible for completing insulation operations.
- The color temperature values of white LEDs are indicative and subject to changes.
- The strip is specifically for use with innovative aluminum profiles designed to obtain ultra-fine lines of light and impressive lighting effects.
- Frame and minimal recessed linear profiles, for inner corners or edges and for surface applications.

LMS



Compact size

Color temperature K

Underscore is available in three color temperatures: warm, neutral and cool. So, for every requirement you can find the most suitable lighting design solution.



Warm white

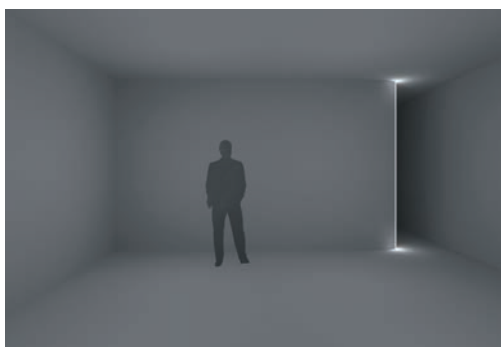
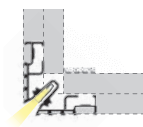


Neutral white

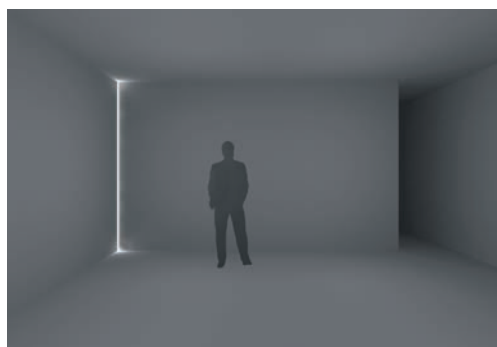


Cool white

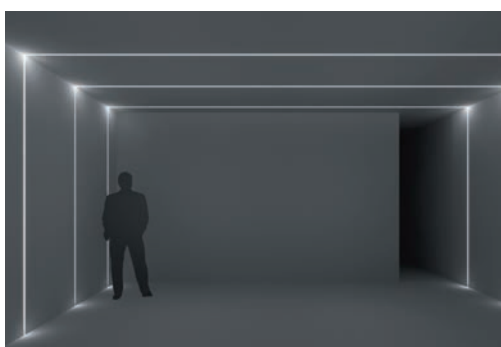
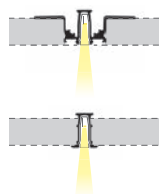
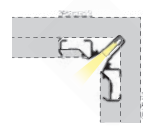
Installation



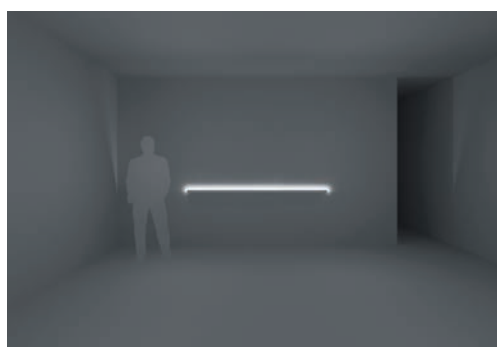
90° outer angular



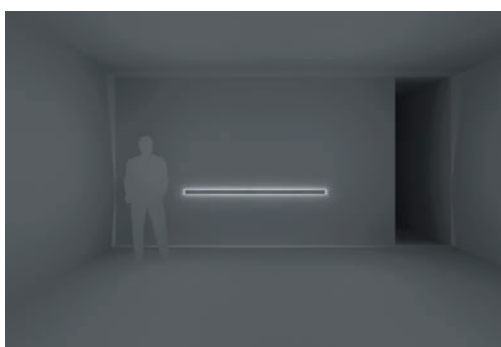
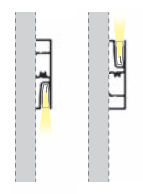
90° inner angular



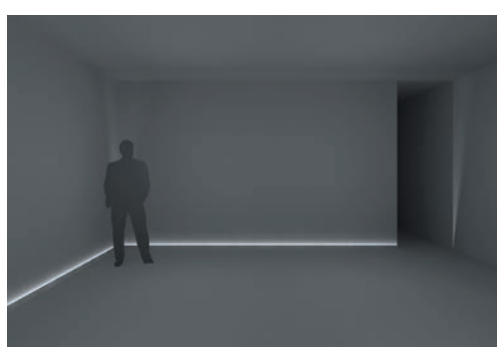
Minimal / frame recessed



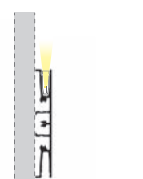
Up or down



Up and down



Baseboard up





light source	W/m	lm/m	K	code colour
LED	10W 24V	170	3000	MT96 01
	10W 24V	170	4000	MT95 01
	10W 24V	170	6000	MT97 01

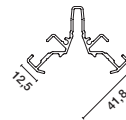
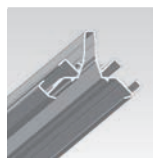
120 LED/m
Sections can be split every 50 mm

The flux and colour temperature values are subject to minor changes according to the profile used.

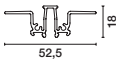
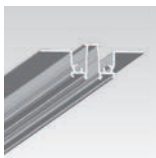
profiles



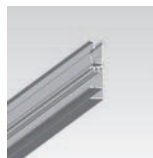
length	code colour
1000	MXR1 01-12
2000	MXR2 01-12



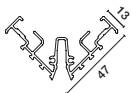
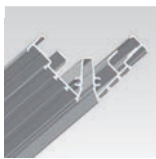
length	code colour
3000	MXR5 01



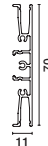
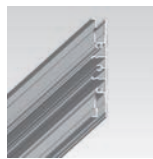
length	code colour
2000	MXR3 01



length	code colour
2000	MXR6 01-12



length	code colour
3000	MXR4 01



length	code colour
2000	MXR7 01-12

installation systems

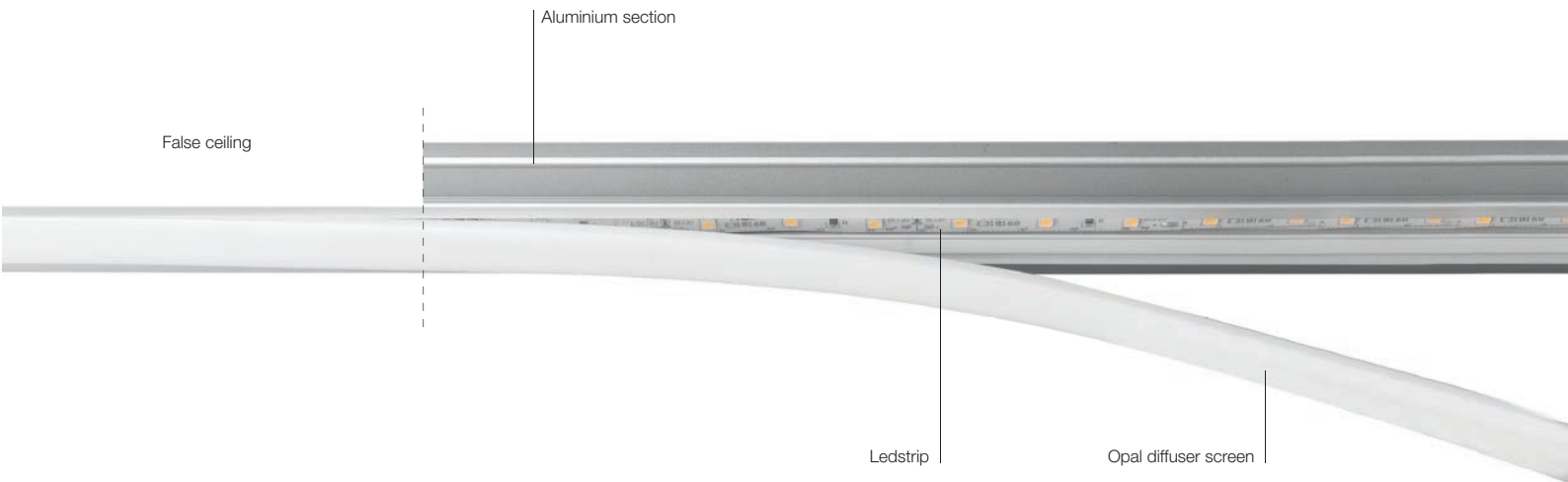
	code colour
End caps for Frame recessed linear profile 2x5 pieces	MXR8 01-15
End caps for Minimal recessed linear profile 4 pieces	MXR9 01
End caps for 90° outer angular profile 4 pieces	MXS0 01

	code colour
End caps for 90° inner angular profile 4 pieces	MXS1 01
End caps for single linear surface profile 2 pieces	MXS2 01-15
End caps for double linear surface profile 2 pieces	MXS3 01-15

	code colour
Fixing clips for linear profiles 5 pieces	MXM4 00 for MXR6-MXR7

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.





Features



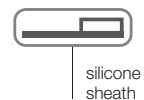
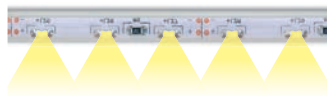
- Linear lighting with monochromatic or RGB LEDs.
- Wall- or ceiling-mounted installation.
- Can be cut at predefined distances according to the version.
- The uncut strips (integral length) ensure a degree of protection of IP65; the circuit ends are provided with IP20 ending connectors,

- therefore the installer is responsible for completing the insulation operations.
- The colour temperature values of white LEDs are indicative and subject to changes.
- When using the RGB Ledstrip in line the white mix may not be homogenous.

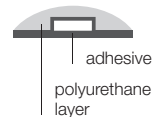
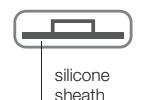


Lighting effect

- Ledstrip tube side



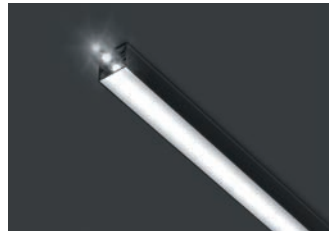
- Ledstrip tube
- Ledstrip tube hi-power
- Ledstrip
- Ledstrip hi-power



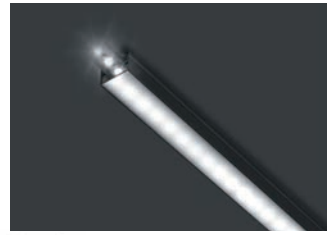
- Ledstrip tube
- Ledstrip tube hi-power
- Ledstrip
- Ledstrip hi-power

High and Low Profiles

The linear profiles are available in two versions:
High for better diffuser uniformity;
Low for higher light flux.

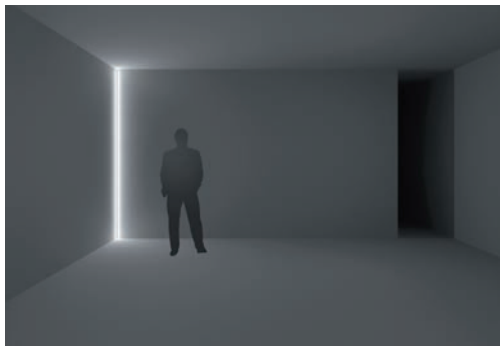
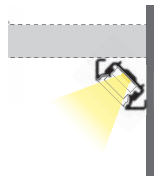


High: 21mm high for the minimal version and 22 mm for the frame version.

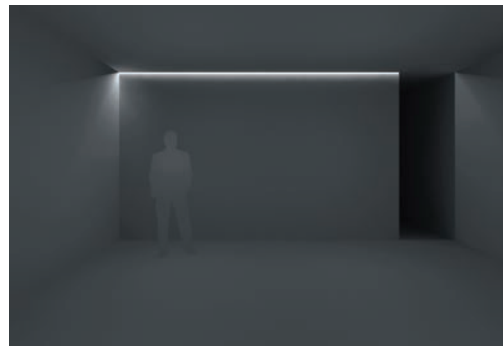


Low: 13.5mm high for the surface version and 14.5 mm for the frame version.

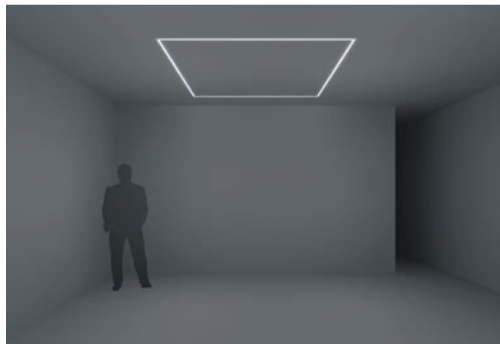
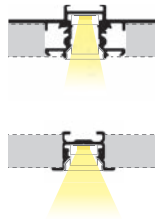
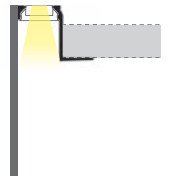
Installation



Angular



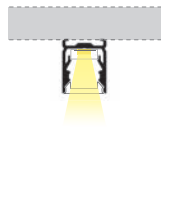
Perimetric

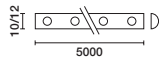


Minimal / Frame



Area





light source	W*/m	lm/m	K	code colour	
LED	5W	12V	370	2400	M249 01
	5W	12V	370	3000	M250 01
	5W	12V	390	4000	M251 01
	5W	12V	330	6000	M252 01

Sections can be split every 50 mm
2 strips connected in consecutive line (it is possible to connect 3 strips for a luminaire up to 15 metres long, although there will be a slight drop in light intensity along the line)



light source	W*/m	lm/m	K	code colour
RGB	5W	90		M253 01

Sections can be split every 100 mm
2 strips connected in consecutive line.
When using the RGB Ledstrip in line the white mix may not be homogenous

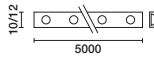
light source	W*/m	lm/m	K	code colour	
LED new	14,4W	24V	1220	3000	MI59 01
	14,4W	24V	1130	4000	MI60 01
	14,4W	24V	1160	6000	MI61 01

Sections can be split every 100 mm

- 19,2W 24V 1350 3000 **N175** 01
- 19,2W 24V 1300 4000 **N176** 01
- 19,2W 24V 1300 6000 **N177** 01

Sections can be split every 125 mm
For use only in combination with Underscore profiles

Compatible with light management systems of the iGuzzini range illustrated on page 659.
For the system definition, refer to the instructions.



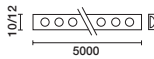
light source	W*/m	lm/m	K	code colour	
LED	5W	12V	410	2400	M824 01
	5W	12V	410	3000	M826 01
	5W	12V	470	4000	M827 01
	5W	12V	420	6000	M828 01

Sections can be split every 50 mm
2 strips connected in consecutive line (it is possible to connect 3 strips for a luminaire up to 15 metres long, although there will be a slight drop in light intensity along the line)



light source	W*/m	lm/m	K	code colour
RGB	5W	90		M829 01

Sections can be split every 100 mm
2 strips connected in consecutive line.
When using the RGB Ledstrip in line the white mix may not be homogenous
For use only with profiles code MWG1 or with clips code MWG2.



light source	W*/m	lm/m	K	code colour	
LED new	9,6W	12V	810	3000	ME33 01
	9,6W	12V	940	4000	ME34 01
	9,6W	12V	840	6000	ME35 01

Sections can be split every 25 mm

CRI 90 - Mac Adam step 3

- 14,3W 24V 1126 2700 **N199** 01
- 14,3W 24V 1126 3000 **N173** 01
- 14,3W 24V 1126 4000 **N174** 01
- 19,6W 24V 1470 2700 ***N203** 01
- 19,6W 24V 1470 3000 ***N178** 01
- 19,6W 24V 1470 4000 ***N179** 01

Sections can be split every 123 mm
* For use only in combination with Underscore profiles



light source	W*/m	lm/m	K	code colour	
LED	5W	12V	270	3000	MC63 01
	5W	12V	300	4000	MC64 01
	5W	12V	320	6000	MC65 01

Sections can be split every 50 mm
2 strips connected in consecutive line (it is possible to connect 3 strips for a luminaire up to 15 metres long, although there will be a slight drop in light intensity along the line)
Not suitable for use with profiles.

accessories

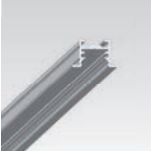
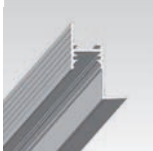


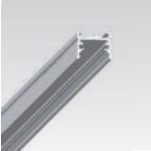



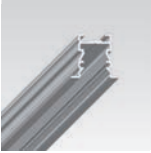



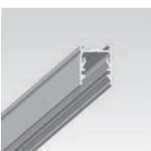


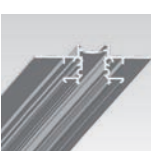

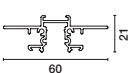
	code	colour
Connector kit It contains 1 male connector, 2 female connectors, 2 heat-shrinking sheaths	MWR5	00
	for M249-M250-M251 M252-MI59-MI60-MI61	
Connector kit It contains 1 male connector, 2 female connectors, 4 end caps without holes	MWR6	00
	for M824-M826-M827 M828-ME33-ME34-ME35	
Kit end caps It contains 4 end caps with holes	MWR7	00
	for M829	
Connector kit It contains 1 male connector, 2 female connectors, 4 end caps	MWR8	00
	for MC63-MC64-MC65	

components











	code	colour		code	colour
Constant-voltage electronic ballast 35W 12V V _{OUT} =12Vdc I _{OUT} =1,65A	MWF7	00	Max 1 coil (5 m) (Ledstrip, Ledstrip tube, Ledstrip tube side)	MWP3	00
Constant-voltage electronic ballast 70W 12V V _{OUT} =12Vdc I _{OUT} =6,8A	MWF8	00	Max 3 coils (15 m) (Ledstrip, Ledstrip tube, Ledstrip tube side) Max 1 coil (5 m) (Ledstrip tube hi-power)	DALI dimming interface monochromatic LED 50W 12V - 120W 24V V _{IN} =10-24Vdc V _{OUT} =10,5-24Vdc	
Constant-voltage electronic ballast 100W 12V V _{OUT} =12Vdc I _{OUT} =8A	MX36	00	Max 4 coils (10+10 m in parallel) (Ledstrip, Ledstrip tube, Ledstrip tube side) Max 2 coils (5+5 m in parallel) (Ledstrip tube hi-power)	PWM slave sequencer 20 W 12 V with voltage output (12 V) for RGB V _{IN} =10,8-26,4Vdc V _{OUT} =V _{IN} 1Vdc I _{OUT} =1,5A F _{OUT} =190-210 Hz	MWG0 00 Max 2 coils (10 m)
Constant-voltage electronic ballast 100W 24V V _{OUT} =24Vdc I _{OUT} =4A	MX67	00	Max 1 coil (Ledstrip hi-power)	PWM master sequencer 20 W 12 V with voltage output (12 V) for RGB with radiocontrol V _{IN} =10,8-26,4Vdc V _{OUT} =V _{IN} 1Vdc I _{OUT} =1,5A F _{OUT} =190-210 Hz	MWF9 00 Max 2 coils (10 m) With code MWF9-master you can connect 2 strips for each code MWG0 slaven in continuous sequence; in this case it is important to calculate the total power of the installation (for power supply).

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

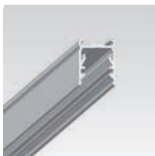




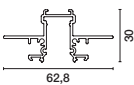

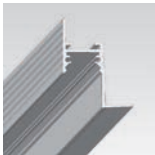
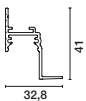

profiles for monochrome Ledstrip

	<p>length code colour</p> <p>1000 MXK6 01-12</p> <p>2000 MXK7 01-12</p>		<p>length code colour</p> <p>2000 MXK5 00</p>
			
	<p>Surface low linear profile</p> <p>1000 MXK8 01-12</p> <p>2000 MXK9 01-12</p>		<p>Angular profile</p> <p>1000 MXK3 01-12</p> <p>2000 MXK4 01-12</p>
			
	<p>Frame recessed high linear profile</p> <p>1000 MXL0 01-12</p> <p>2000 MXL1 01-12</p>		<p>Opal diffuser screen</p> <p>1000 MXM0 38</p> <p>2000 MXM1 38</p>
			<p>Translucid diffuser screen</p> <p>1000 MXM2 21</p> <p>2000 MXM3 21</p>
	<p>Surface high linear profile</p> <p>1000 MXL2 01-12</p> <p>2000 MXL3 01-12</p>		<p>Kit of aluminium rigid channels</p> <p>MWG1 12</p> <p>5 pieces with 1 m Ledstrip tube side cannot be installed with rigid channel.</p>
			
	<p>Minimal recessed high linear profile</p> <p>2000 MXN8 00</p>		<p>Fixing clips kit</p> <p>MWG2 01</p> <p>10 pieces</p>
			





accessories

	<p>code colour</p> <p>MXL6 01-15 for MXK6-MXK7</p> <p>2x5 pieces</p>		<p>code colour</p> <p>MXQ2 01 for MXN8</p> <p>4 pieces</p>		<p>code colour</p> <p>MXM5 00 for MXK3-MXK4</p> <p>5 pieces</p>
	<p>MXL7 01-15 for MXK8-MXK9</p> <p>2x5 pieces</p>		<p>MXL5 01 for MXK5</p> <p>2x5 pieces</p>		<p>MXP6 00 for MXK6-MXK7 MXL0-MXL1</p> <p>2 pieces</p>
	<p>MXL8 01-15 for MXL0-MXL1</p> <p>2x5 pieces</p>		<p>MXL4 01-15 for MXK3-MXK4</p> <p>10 pieces</p>		
	<p>MXL9 01-15 for MXL2-MXL3</p> <p>2x5 pieces</p>		<p>MXM4 00 for MXK6-MXK7-MXK8 MXK9-MXL0-MXL1 MXL2-MXL3</p> <p>5 pieces</p>		

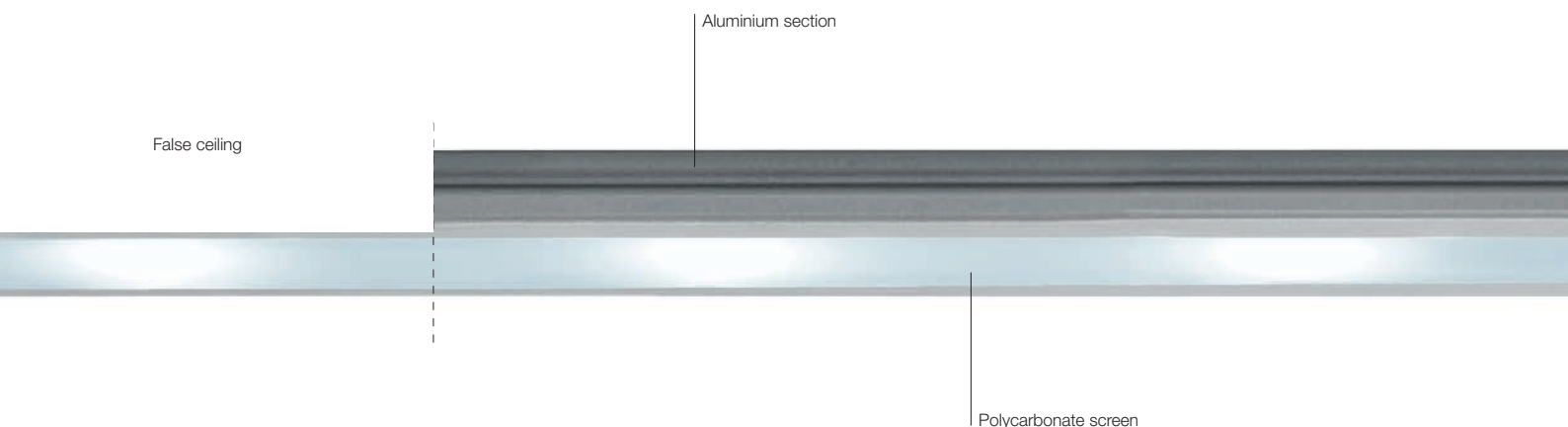
profiles for Ledstrip RGB

	length	code colour		length	code colour
 	2000	MXQ3 01-12		2000	MXQ9 38
				2000	MXR0 21
 	2000	MXQ4 00		MWG1 12	
			5 pieces with 1 m Ledstrip tube side cannot be installed with rigid channel.		
 	2000	MXQ5 00		MWG2 01	
			10 pieces		

accessories

	End caps for surface high linear profile 2x5 pieces	MXQ6 01-15 for MXQ3		End caps for perimetric profile 2x5 pieces	MXQ7 01 for MXQ5
	End caps for minimal recessed high linear profile 4 pieces	MXQ8 01 for MXQ4		Fixing clips for linear profiles 5 pieces	MXM4 00 for MXQ3

Underscore X26



Features



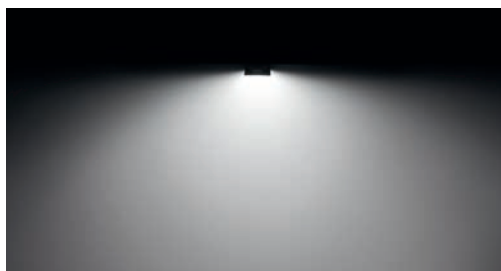
- Wall- or ceiling-mounted installation.
- Extruded aluminium bars, supplied in various lengths, up to 2000 mm.
- Opaline polycarbonate diffuser.
- Fixing system uses clip accessories.
- Luminaire reduced dimensions.



Quick-connecting terminal

Light distribution

X26 is ideal for use in boutiques, stores and retail areas, for lighting showcases, shop windows, corners, shelves and display stands, which require effective linear lighting.



LED

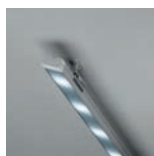
3,2 - 3,4 - 6,3W
6,7 - 13 - 19W
20 - 25 - 27W

Installation

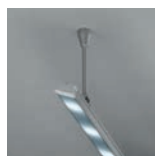
wall/ceiling-mounted



Surface-mounted installation



Adjustable base



Adjustable arm
L=100/200

Recessed



Under-shelf



Through milled



Ceiling-mounted

light source	W*	lm	length	code	colour
LED					
Neutral white					
3,4W	24V	270	250	M846	12
6,7W	24V	530	500	M847	12
13W	24V	1060	1000	M848	12
20W	24V	1590	1500	M849	12
27W	24V	2120	2000	M850	12
Warm white - CRI 90					
3,2W	24V	190	250	M856	12
6,3W	24V	380	500	M857	12
13W	24V	760	1000	M858	12
19W	24V	1140	1500	M859	12
25W	24V	1510	2000	M860	12



Recessed

light source	W*	lm	length	code	colour
LED					
Neutral white					
3,4W	24V	270	250	M877	12
6,7W	24V	530	500	M878	12
13W	24V	1060	1000	M879	12
20W	24V	1590	1500	M880	12
27W	24V	2120	2000	M881	12
Warm white - CRI 90					
3,2W	24V	190	250	M887	12
6,3W	24V	380	500	M888	12
13W	24V	760	1000	M889	12
19W	24V	1140	1500	M890	12
25W	24V	1510	2000	M891	12



Ceiling-mounted installation

	code	colour
Fixing clips	MWJ8	00
Adjustables arms L=100	MWJ5	12
L=200	MWJ6	12
Adjustables base	MWJ4	15
Power supply end cap with cable	MWJ9	15
Power supply intermediate end cap	MWKO	15

Recessed installation

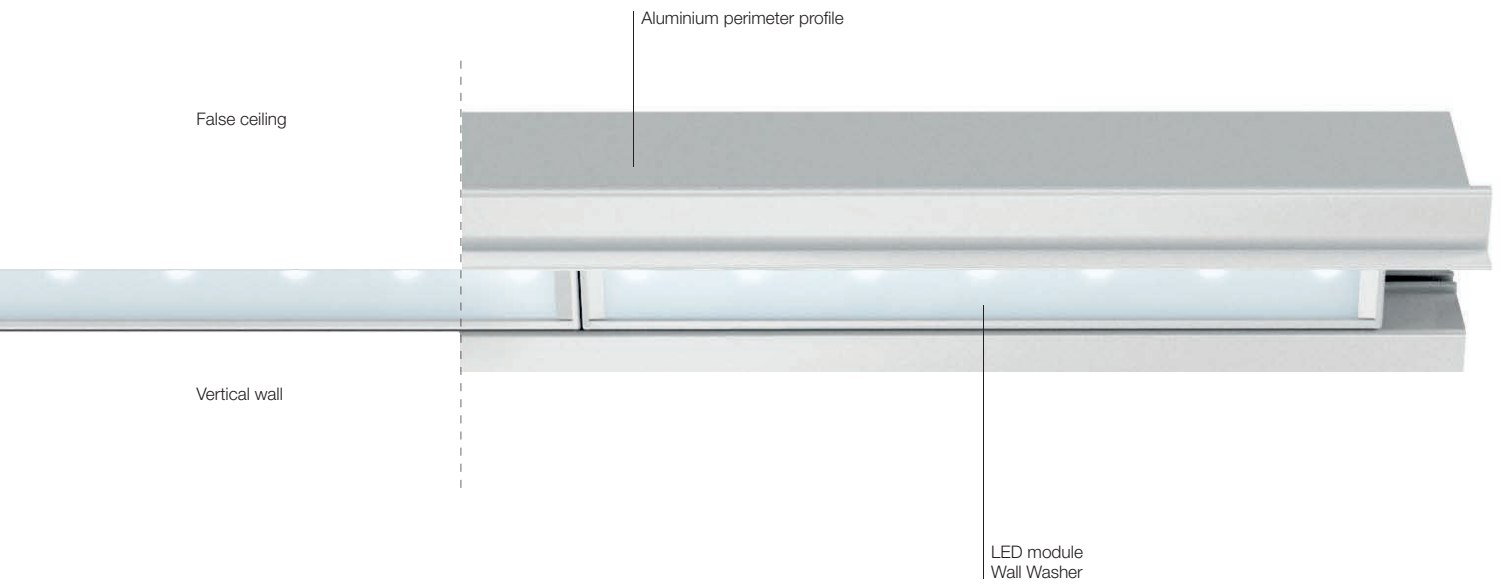
	code	colour
Pair of springs for insertion with through slot	MWK3	00
Power supply end cap with cable	MWK1	15
Power supply intermediate end cap	MWK2	15

components

	code	colour
Constant-voltage electronic ballast 50W 24V I _{out} =2A For complex installations with considerable length, the electronic power supplies for DIN bar with code 9911 (96W) - 9912 (240W)	MWK4	00

	code	colour
Constant-voltage electronic ballast 70W 24V I _{out} =2,9A	MWK5	00
DALI dimming interface monochromatic LED 120W 24V V _N =10-24Vdc V _{OUT} =10,5-24Vdc	MWP3	00

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



Features



- Linear system for wall vertical lighting.
- Application in niche with specific aluminium profile for false ceilings, completed with internal and external corners to adjust the system to the direction of the walls.

- Light modules available in 3 lengths, complete with DALI dimmable control gear and provided with in and out connectors for use in continuous line.
- High-performance wall washer optics.



Flexibility

Underscore Grazer is available in various lengths in order to adjust to each single lighting project.



528 mm



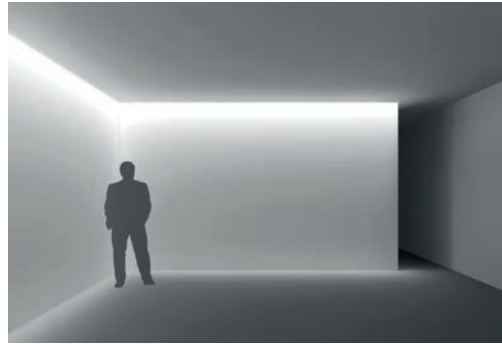
1056 mm



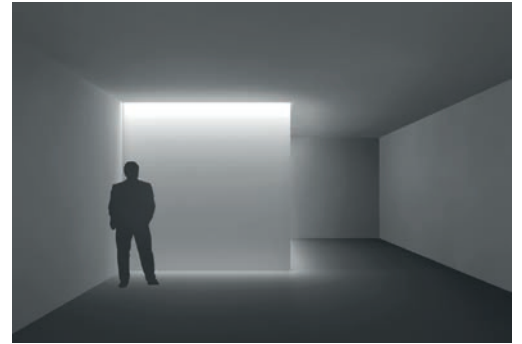
1585 mm

Lighting uniformity

Grazer guarantees a uniform homogeneous lighting, creating a shadow-free luminous effect.



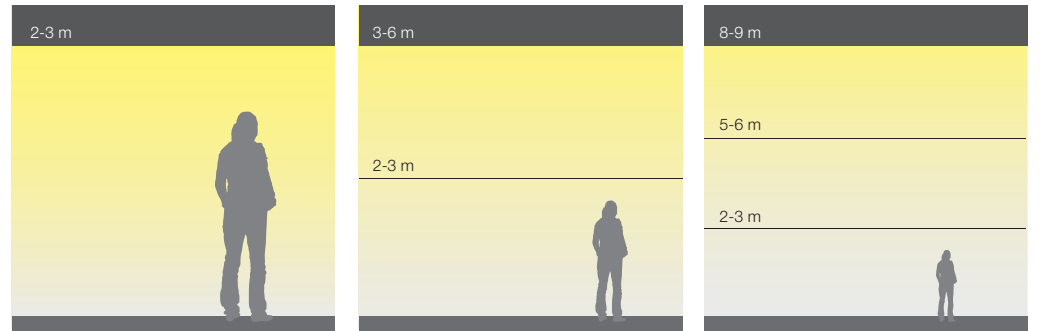
Inner angle



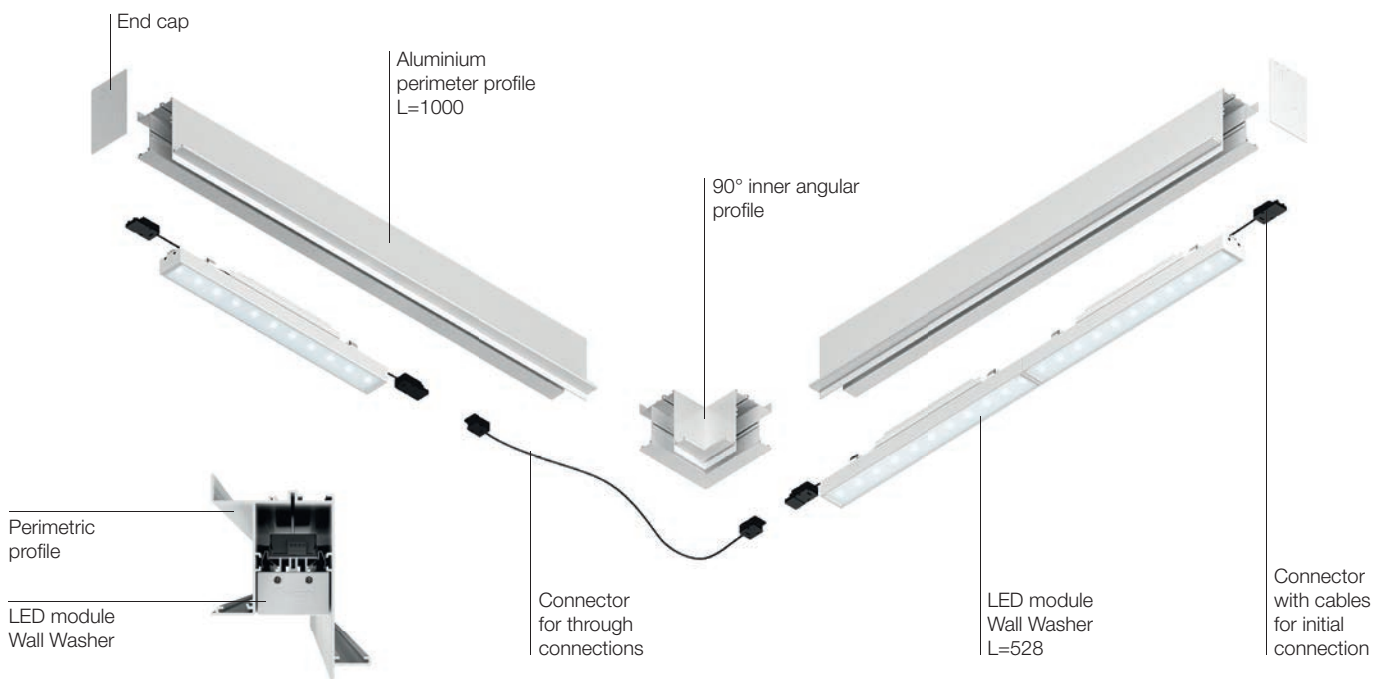
Outer angle

Lighting performance

The efficiency of last-generation LEDs mounted in Underscore Grazer delivers a wide range of applications.



System composition

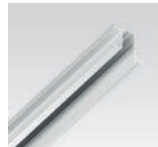




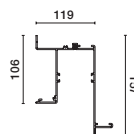
light source	W*/m	lm	length	code colour
LED	Module wall washer			
Neutral white dimmable DALI				
12 W	1140	526	MM91	01
23 W	2270	1054	MM92	01
35 W	3420	1580	MM93	01
Warm white dimmable DALI				
12 W	1070	526	MM94	01
23 W	2140	1054	MM95	01
35 W	3210	1580	MM96	01




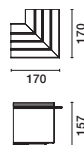
profiles

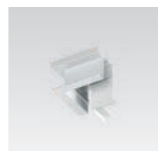
	length	code colour
	Aluminium perimeter profile	
	1000	MX17 01
	2000	MX18 01

Complete with elements for linear connection to adjacent sections

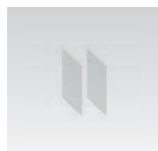


	code colour
	90° outer angular profile
	MXT3 01



	code colour
	90° inner angular profile
	MX19 01



	code colour
	Two end caps
	MXT4 01

components

	code	colour
Connector with cables for initial connection	MXT5	00
Connector for through connections	MXT6	00





PizzaKobra

design Ron Arad



Brit Insurance Designs
AIT




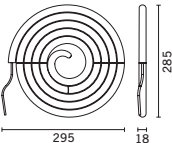
Features



- Desk luminaire made of aluminium and steel with glossy chrome-plated finish, formed of concentric spires and adjustable head made of die-cast aluminium.
- The base of the luminaire is provided with anti-scratch rubber feet.



	light source	W	lm	code colour
	LED	Cool white		
		8 W	300	4059 10





Pole-mounted systems

Urban lighting



353 La Venaria
LED



357 Albero
LED



361 Anello
LED



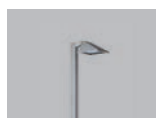
365 UFO
LED



372 Crown
LED



375 iRoll 65 System
LED



379 iTeka
LED



385 Platea System
LED



New

391 Wow
LED



New

399 Archilede HP
LED



405 Lavinia System
LED



412 iRoad
LED



417 Delphi
LED



417 Argo
LED



425 Street

Multiple floodlights



429 CityWoody
LED



435 FrameWoody
LED



441 MultiWoody
LED



449 MultiPro
LED

Wall applications



365 UFO
LED



385 Platea System
LED



379 iTeka
LED



New

391 Wow
LED



New

399 Archilede HP
LED



405 Lavinia System
LED



412 iRoad
LED



417 Delphi
LED



417 Argo
LED

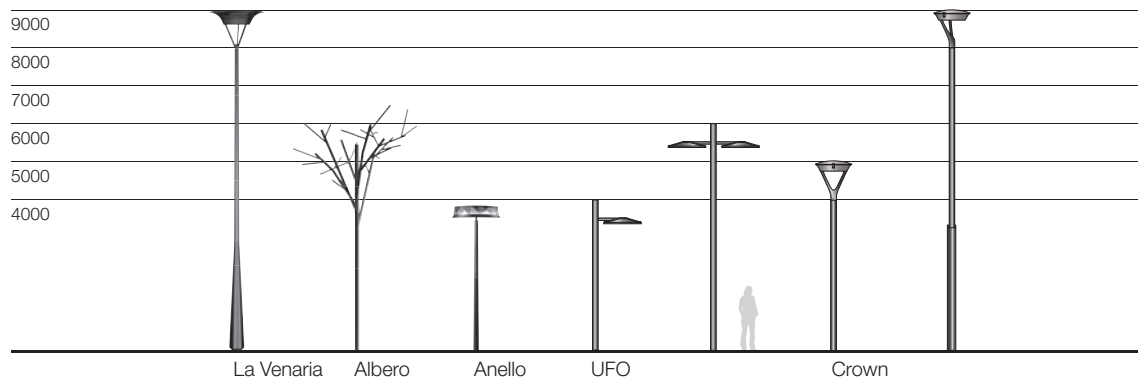


429 CityWoody
LED

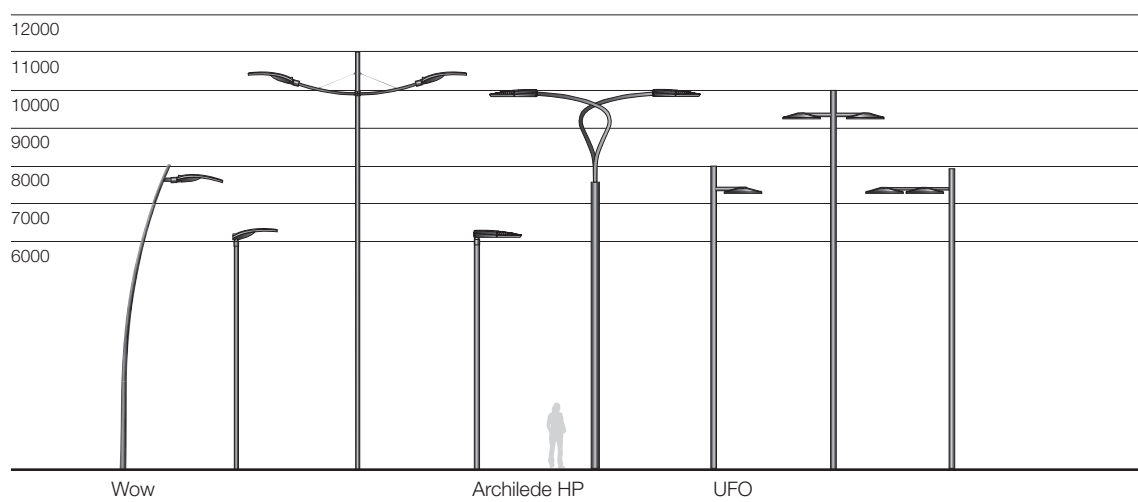
The poles can be found on page 457

Pole-mounted systems

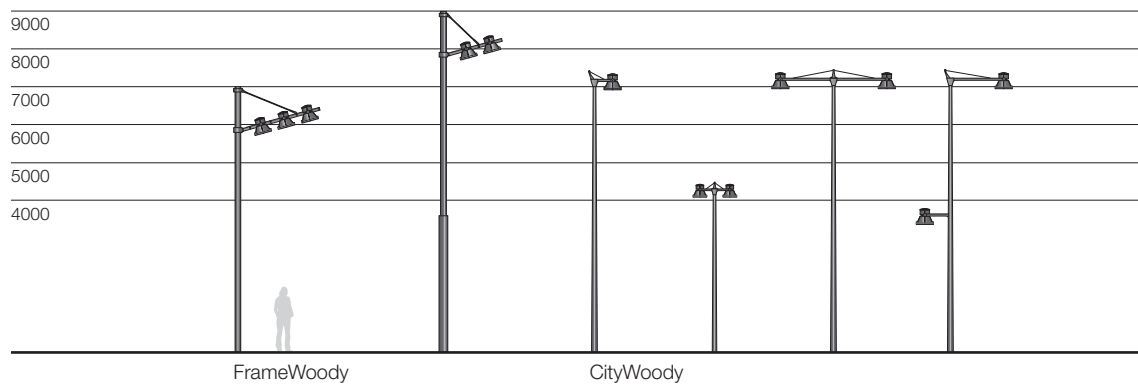
Urban lighting
poles h 4000 / h 9000

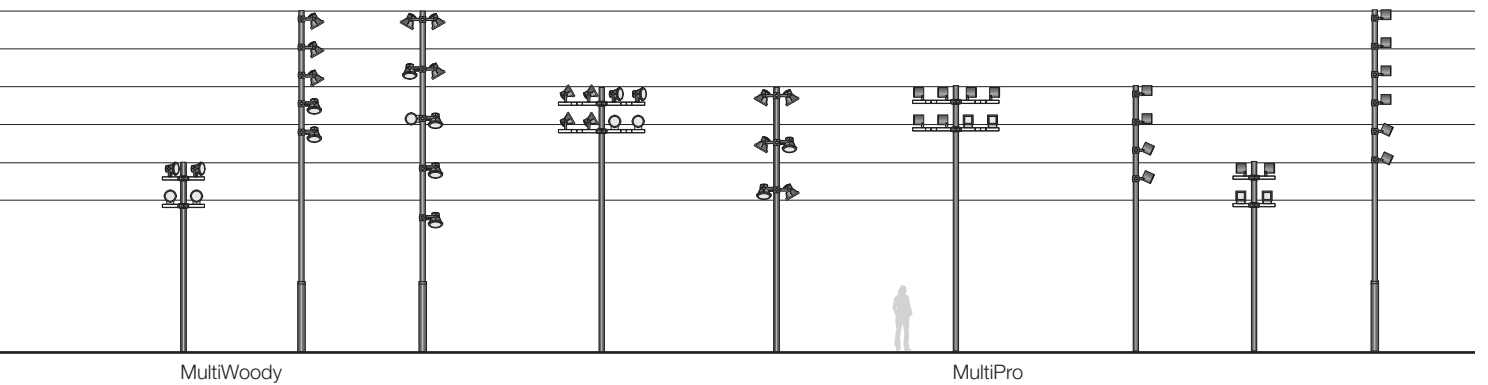
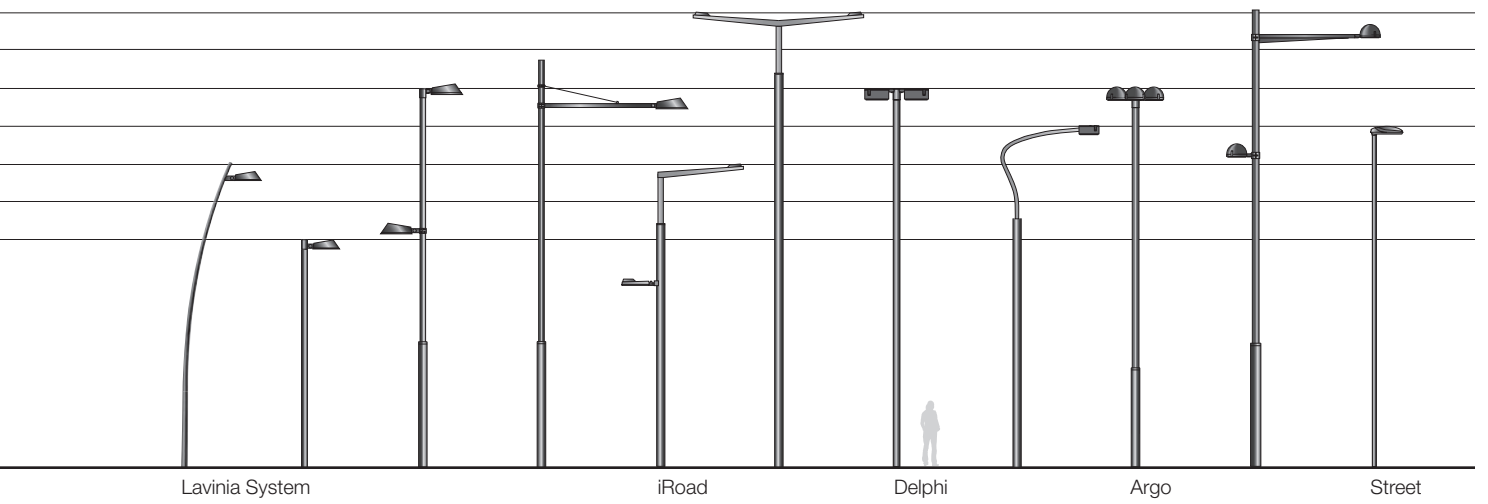
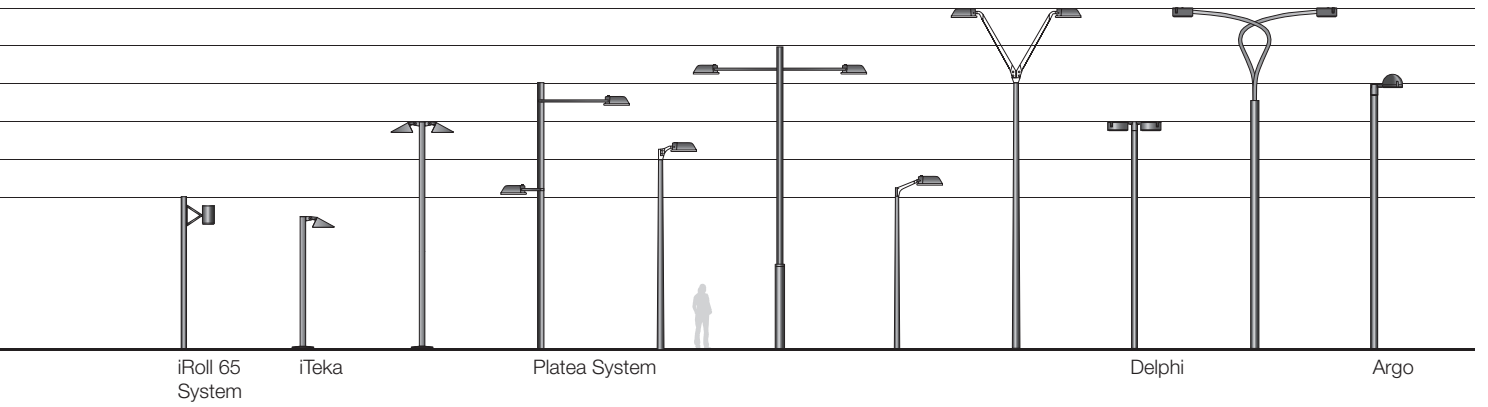


Urban lighting
poles h 6000 / h 12000



Multiple floodlights
poles h 4000 / h 9000





Pole-mounted systems

Opti Smart

Opti Smart



The result of iGuzzini research into the optimum use of LEDs, with their ultra-high performance, **Opti Smart** optics represent the new “frontier” in street lighting. Opti Smart optics are an innovative solution able to use the luminous flux from LEDs to guarantee luminous efficacy, low consumption, long lamp life, reduced CO₂ emissions, excellent

colour rendering. All this is done in order to optimize energy consumption and environmental sustainability. The Opti Smart range is made up of two optic systems which guarantee exceptional visual comfort: the first for streets with vehicular traffic (glare index G4), the other for urban pedestrian areas (glare index G6).

Single Chip models use purpose-designed lenses made using state-of-the-art technologies which increase their transparency.



Exclusive and licensed optic principle.
Outdoor LEDs are:
3000K - CRI 80
4000K - CRI 70

Aluminium with silver deposits

Optical collimators

Improved luminaire efficiency

The average energy saving of Opti Smart optics in comparison with luminaires using high pressure sodium lamps is estimated at between 50 and 60% considering different installation conditions. Compared with luminaires using mercury lamps, energy savings can be higher than 70%. The table compares the equivalent power of

iGuzzini Opti Smart optics and high pressure sodium and mercury street optics widely used for street lighting mainly where there is vehicular traffic. **This allows the existing support to be used, replacing the old luminaire with the new LED luminaire which has high energy savings and minimal installation costs.**

Optic	LED luminaire with Opti Smart	Luminaire with traditional lamp
ST1	24 LED 30W	HST / HIT 83W (70W)* HME 99W (80W)*
ST1	42 LED 54W	HST / HIT 119W (100W)* HME 142,5W (125W)*
ST1	54/66 LED 69/81W	HST / HIT 178W (150W)* HME 287W (250W)*

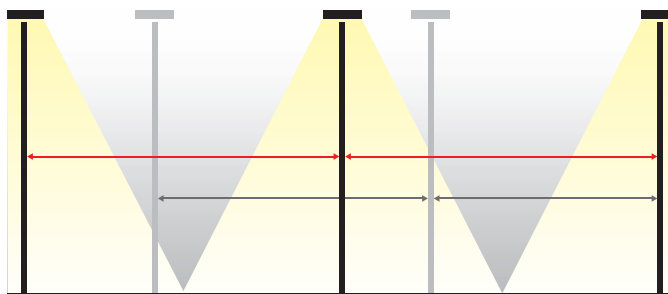


* The value indicated refers to the nominal output

Increased distance between luminaires

The light distribution achieved with Opti Smart optics guarantees compliance with the luminance, uniformity and visual comfort parameters imposed by regulations and at the same time allows a 10% increase in the distance between luminaires compared with that permitted by the usual optics of discharge lamp luminaires.

Systems can be created with fewer luminaires covering the same street length, meaning reduced investment in system set-up and lower energy consumption.



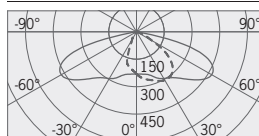
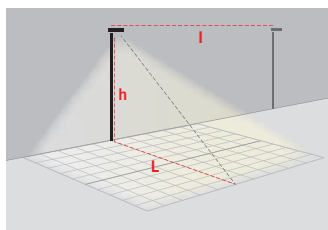
Opti Smart luminaire +10%
Traditional luminaire

Pole-mounted systems

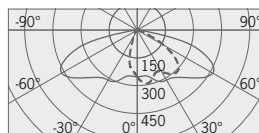
Opti Smart

ST - Road optics

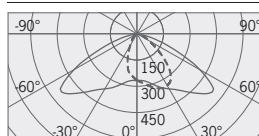
$d = L/h$
h = Installation height
L = Width of area to be lit
l = Spacing between poles



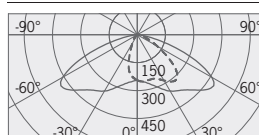
ST1
 Road optic for vehicular traffic, urban and interurban areas
 $= 4h$
 $l = 1$
Glare Index: G4



ST1.2
 Road optic for high vehicular traffic, urban and interurban areas
 $= 4h$
 $l = 1,2$
Glare Index: G4



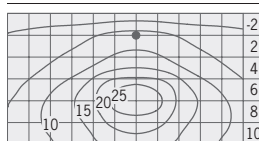
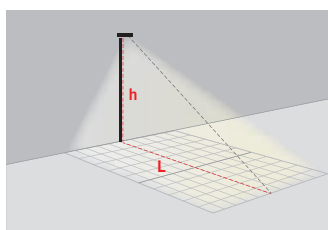
ST1C
 Comfort Road optic for pedestrian urban areas
 $= 3,7h$
 $l = 1$
Glare Index: G6



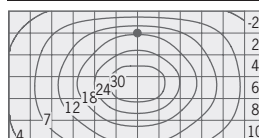
ST0.8C
 Comfort optic for bicycle lanes
 $= 5h$
 $l = 0,5 / 0,8$
Glare Index: G6

A - Asymmetric optic

$d = L/h$
h = Installation height
L = Width of area to be lit






A60
 Asymmetric optic 60°
 $l = 7$
 $l = 2$



A45C
 Comfort Asymmetric optic 45°
 $l = 7$
 $l = 1,6$

Energy saving

Lighting and energy comparison, with equal values, between the new LED street optics and those with traditional sources.

Light source	W				CRI	K
LED	30	54	69	137	70	4000
HST 	83 64%	119 55%	178 61%	287 51%	20	2000
HIT 	83 64%	119 55%	178 61%	287 51%	80	4000
HME 	92 68%	142 62%	287 76%	-	45	4000

The light flow indicated for the street lighting systems is the actual flow in output from the fitting.

Pole-mounted systems

Smartronic

Smartronic

A wide range of different options according to specific needs. The Smartronic family has four different configurations: Multipower with midnight recognition (1), Multipower bi-power with cable (2), DALI Multipower (3) and Multipower

Middle of the Night with or without pilot cable (4). A common feature of Multipower electronics is the presence of three standard profiles with three different lumen/output levels.



Multipower with midnight recognition



Multipower is the exclusive electronics designed by iGuzzini Innovation Lab: total flexibility for lighting designers and simple management for public administrations. Four standard profiles can be selected with a DIP switch. The fixtures can be completely programmed in terms of light flux emission directly on the product driver.

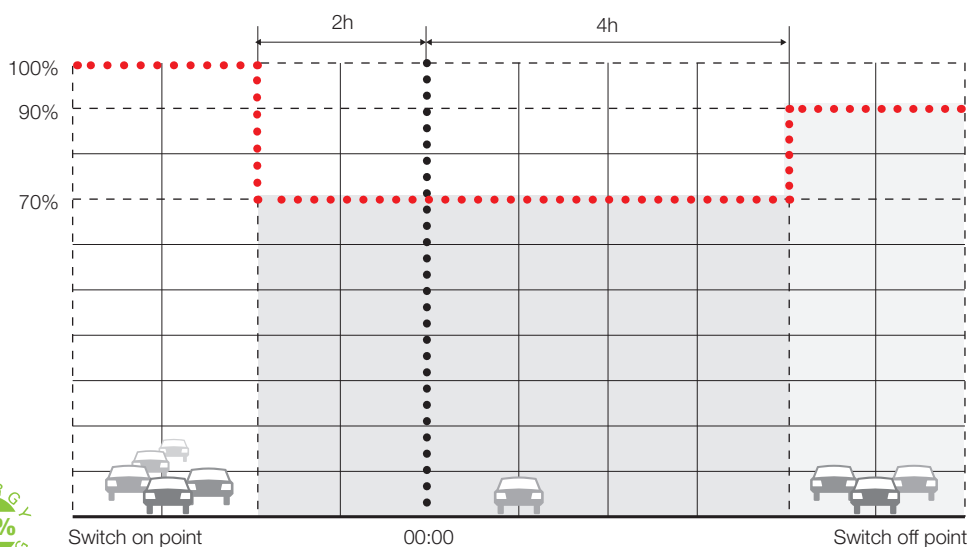
Profile	Energy Saving	Power	Efficiency
1	● ● ●	Standard	111lm/W
2	● ●	+18%	107lm/W
3	●	+37%	104lm/W
4* Midnight recognition	● ● ● ●	Standard	111lm/W

* The dimmer increases energy savings compared to profile 1.

Data can vary based on article code. For information on each single product please visit the online catalogue at: <http://products.iguzzini.com>.

Example of profile 4

The use of the profile with self-learning includes midnight recognition, thanks to an algorithm, which reduces power, and consequently consumption, of the fitting based on the preset profile.



55% Opti Smart optic (Smart light control Profile 1) + 18% Smart light control Profile 4 = 73% ENERGY SAVING

Multipower customization

With BVD interface for telemanagement

Multipower can be easily integrated with external telemanagement systems with BVD interface, the module responsible for the following functions: flux regulator, bi-power with pilot cable, DALI, 0-10 V.



With USB

The Multipower standard profiles can be customized with an endless number of combinations, using the USB interface. The software is available in the Download section of our Web site.



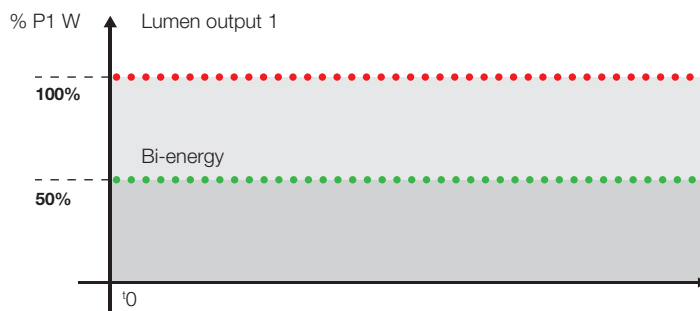
Pole-mounted systems

Smartronic

Multipower bi-energy with pilot cable

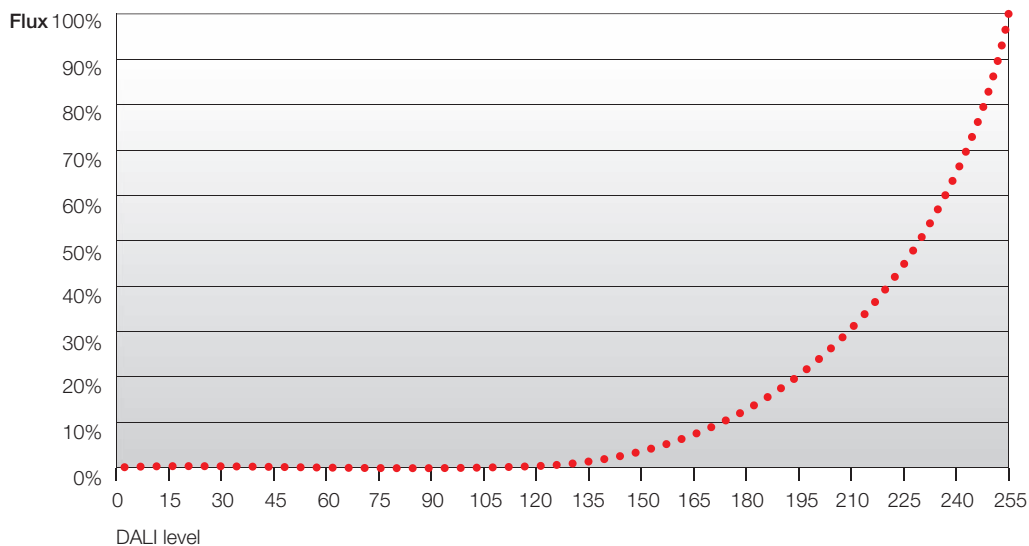
It offers three standard profiles and is normally integrated with a programmable astronomic clock or with any other device able to emit a signal. The initial luminous intensity can be chosen from lumen output 1, lumen output 2 or lumen output 3.

With a signal from the pilot cable the fixture can be dimmed at 50% and can be brought back to 100% with a new signal. This solution is recommended for bicycle lanes and public areas for which public attendance is known.



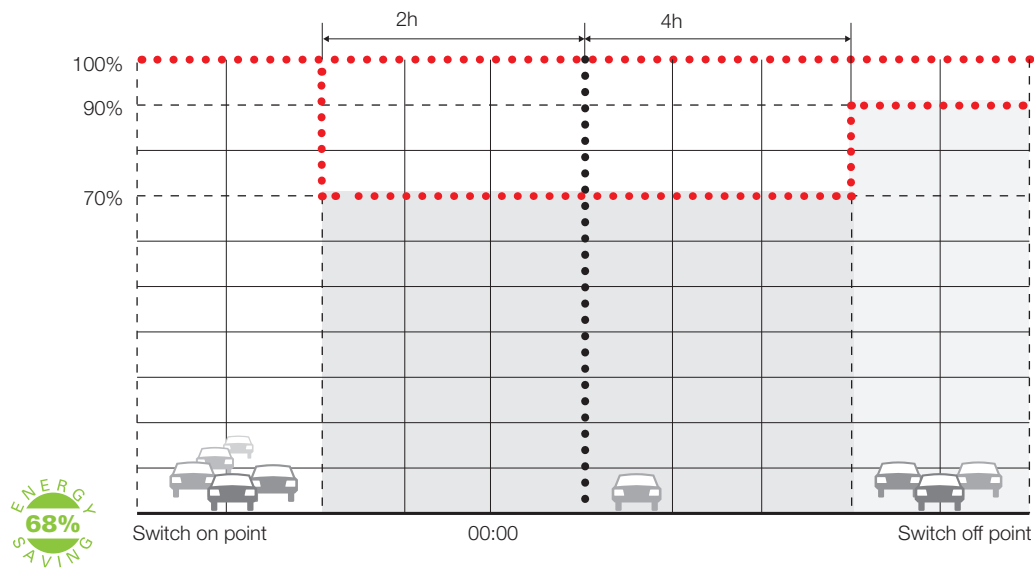
DALI Multipower

DALI Multipower comes with three standard profiles and can be integrated with practically all telemanagement systems that use the DALI protocol to communicate with the fixture. This solution is recommended when a point-point telemanagement system is used.



Multipower Middle of the Night with or without pilot cable

Multipower Middle of the Night comes with three profiles. Each profile recognises half of the operation period. By inserting the pilot cable, with an external control element, you are free to decide when to bring the flux back to 100%. This solution is recommended in areas in which public attendance changes according to season or special events.



Streetware operation

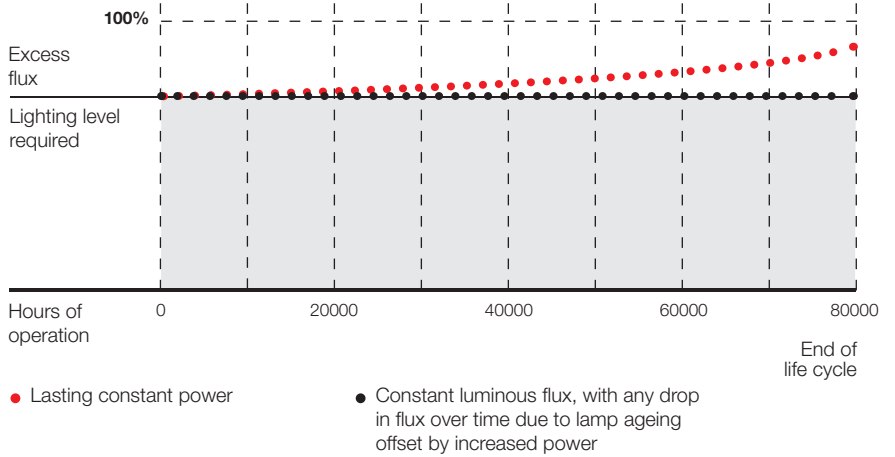
Streetware is the innovative software developed by iGuzzini to control pole systems provided with the exclusive Multipower electronics with midnight recognition feature (see page 346).

Streetware is very simple to use:

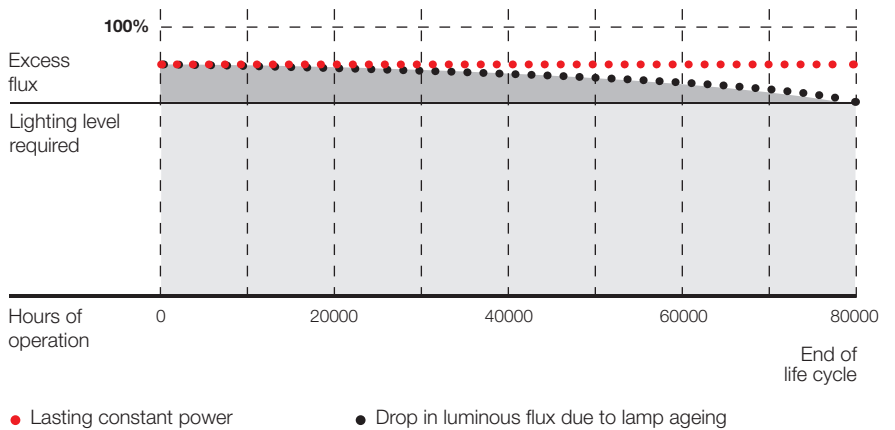
1. Select some environmental parameters, such as outdoor average temperature, contamination, geographical position of the installation and other information related to the type of optic and flux.
2. Select one of the products suggested by the software based on the entered parameters. You can choose the solution that guarantees higher energy efficiency or the solution that requires a lower initial investment for the installation.
3. Select the operation mode between:
 - CLO** (Costant Light Output): the product works at constant flux for its entire life in consideration of the parameters of the setting in which the fixtures will be installed and optimizes the energy use according to the specific features of the lighting fixture.
 - CPI** (Costant Power Input): the product uses a constant power that complies with the specific requirements of the installation.
 - CPI standard** (Costant Power Input standard): the product works with constant power according to profile 1, 2 or 3 available by default in the fixtures equipped with the exclusive Multipower electronics with midnight recognition feature.
4. Streetware generates a detailed report and a configuration file to program the USB pen profiler that is needed to operate the fixtures according to the chosen profile.



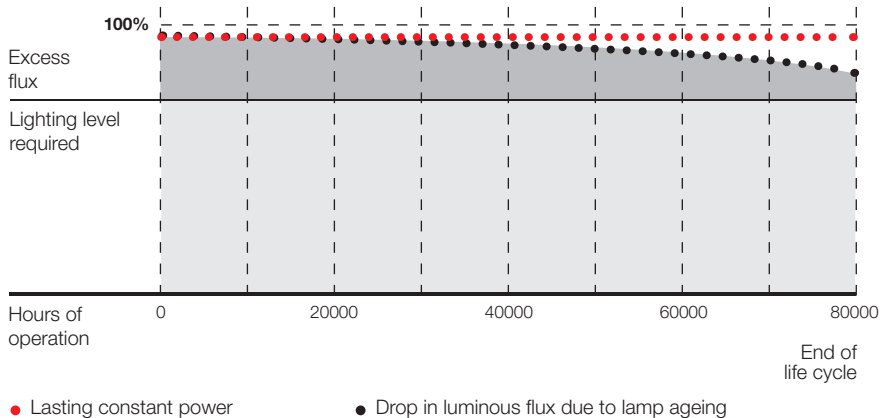
CLO - Costant Light Output



CPI - Costant Power Input



CPI standard - Costant Power Input standard



Pole-mounted systems

Opti Smart

No photobiological risks

The LED lighting is classified in compliance with the new standard EN 62471. iGuzzini fittings are part of the "Exempt Group" category (no dangers due to infrared, blue light and UV radiation) and they guarantee the compliance with the safety requirements set by the selfsame standard. (Risk group 0)

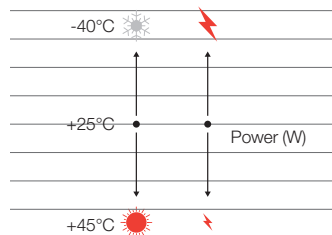
Risk groups

0	1	2	3
Exempt No photobiological hazard.	Low risk No photobiological hazard in normal operating conditions.	Moderate risk Does not pose a hazard due to aversion response to bright light or thermal discomfort.	High risk Hazardous also for momentary exposures.

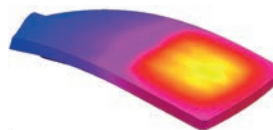
Extreme operating conditions



Our luminaires are designed to operate perfectly at any ambient temperature. The power of the LEDs is increased or reduced depending on the variation in the ambient temperature relative to the reference temperature of 25° to guarantee optimum operation within a range of ambient temperatures of between -40° and +45°.



Temperature control



An increase in temperature has a negative impact on the quality of light produced by LEDs and their lifetime. To maintain the Lifetime of the LEDs when the environment temperature changes (extreme conditions) the LED fittings for urban areas are fitted with an internal temperature control that maintains the junction temperature of the LEDs constant.

Replaceable LED – Future Proof Technology



The main aim of technological research into LEDs is to increase luminous efficacy (the lumen/watt ratio) in order to improve its energy efficiency. Taking into account the rapid progress in this direction, Opti Smart optics were designed to allow fast technological updating: the rectangular optic modules which hold the LEDs can easily be replaced on installed

products with new optic modules which in a few years may house much more efficient LEDs. This protects the investment made, providing a lighting system which will always maximize reductions in energy consumption. The adjustment will also be possible thanks to the possibility of simply updating the driver firmware using the special USB Pen Profiler.



Pole-mounted systems

Opti Smart

Light pollution



Light pollution is a phenomenon mainly caused by upward light diffusion from luminaires with unshielded optics. iGuzzini luminaires equipped with Opti Smart systems only direct light towards roads used by vehicles and pavements

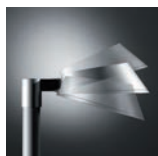
or cycle paths at the side of roads, as required by European standards, in compliance with the most stringent regulations and laws against light pollution and at the same time allow energy-efficient use of artificial lighting.



Graduated scale and blockage of the aim



The adjustability of the optical assembly allow the beam to be aimed on the area being illuminated, whilst the graduated scale and the blockage ensure the precision of the aiming position over time.



Twilight photocell



The fittings can be fitted, on request, with a sensor which switches the lighting on or off based on changes to the natural light.



Voltage spikes



Overvoltages have become increasingly significant in recent years due the proliferation of increasingly sophisticated and sensitive electronic equipment in civil, commercial and industrial applications. The protection requirement employed by iGuzzini illuminazione against

voltage spikes at 10kV between power supply conductors and grounding is used in devices for outdoor installation with medium exposure, thus allowing for an excellent reliability index of the product. The exposure levels are defined below:

Low Exposure

Areas with low lighting activity or small load switches.

Medium Exposure

Areas with mediumhigh lighting activity and/or significant load switches.

High Exposure

Areas with high lighting activities and electrical changes.

Maintenance



The routine maintenance of many fitting can be performed with simple and quick tool-free operations, which ensure a considerable saving in resources.



Optical assembly opening



Automatic door lock



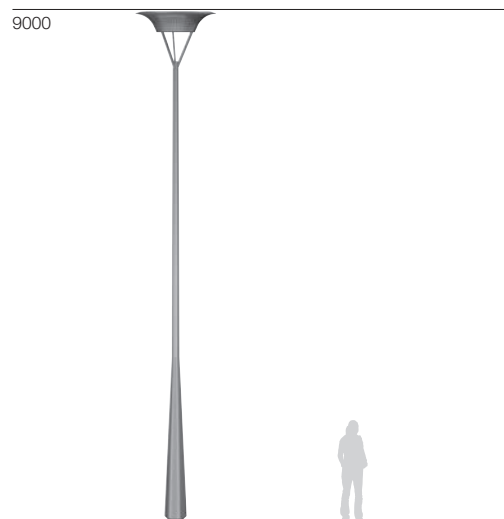
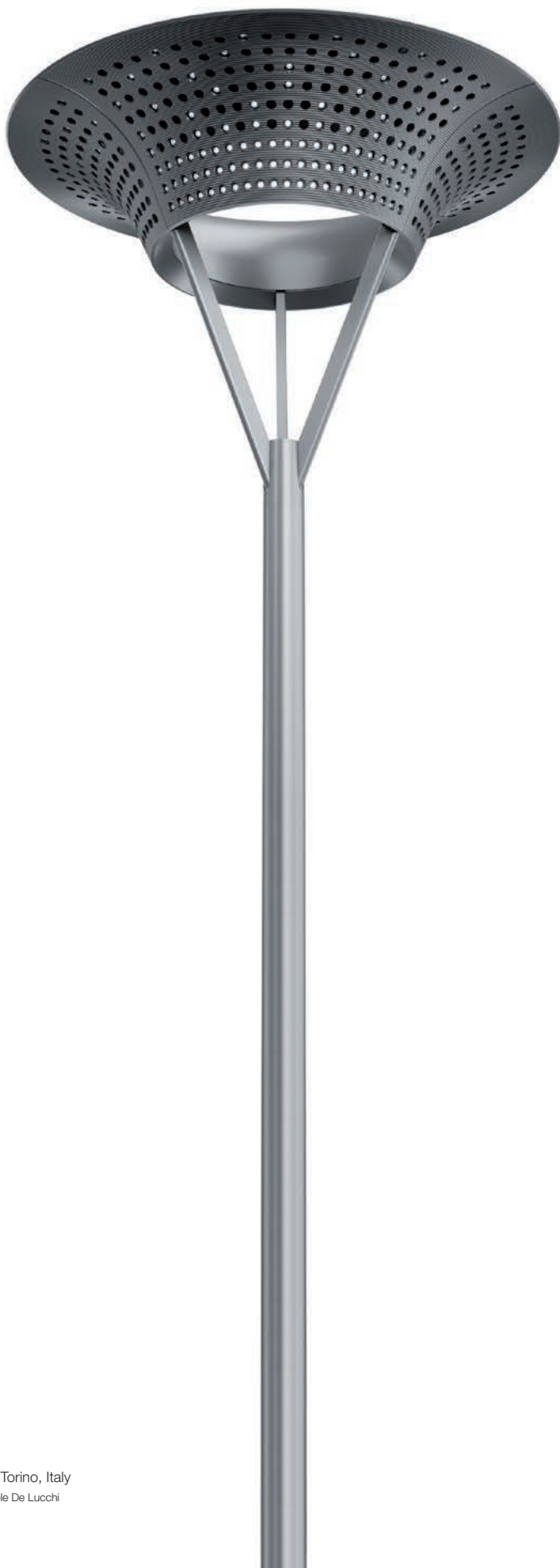
Removable plate





La Venaria

design Michele De Lucchi



ø 1411

The Palace of Venaria - Torino, Italy
Lighting project: aMDL - Michele De Lucchi
Photo: Paolo Carlini

Features

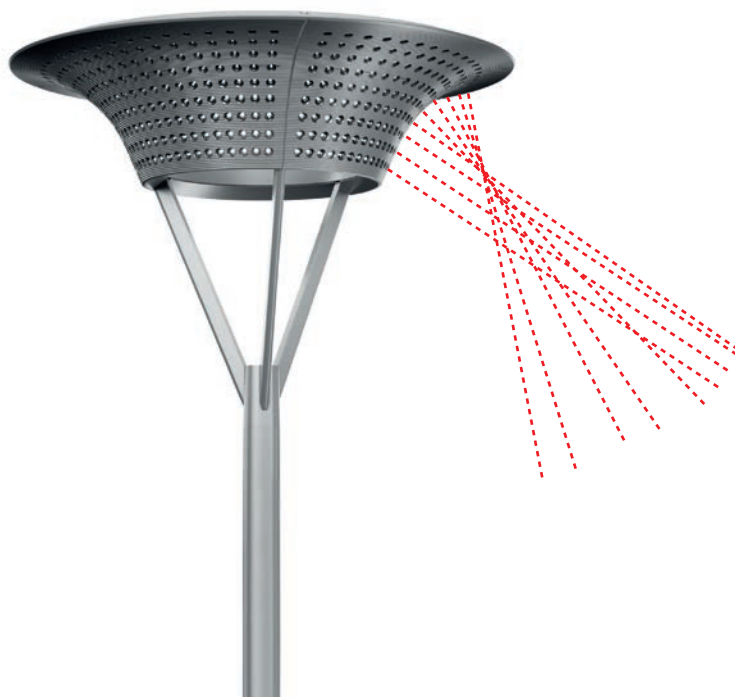
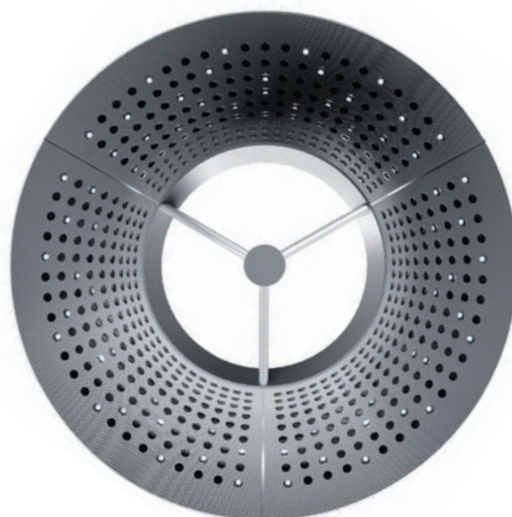


IP67 (IP64 component-holding box) IK07

- Lighting system for large urban areas for use with LED lamps.
- Fitting has an optical assembly and pole.
- Optical assembly and internal cover in painted fibreglass; optical assembly secured to the pole with painted steel tubular sections.
- Optical assembly consisting of neutral white monochromatic LEDs for general lighting.
- Replaceable LED unit.
- Electronic power supply housed inside the product.
- No photobiological risk. This luminaire is in the "Exempt Group" (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.
- Pole made of EN 10025-S235JR, 70 micron hot galvanized steel. It has a texturized acrylic powder coating surface finish and flush lid (200x100 mm) and ground anchoring plate. The pole is fitted with an internal grounding system, grounding lug, insert and screw.

Optical system

The optical assembly consists of three light emission sectors that, thanks to the combination of optics and spots and medium, ensure for precise lighting solutions. The light distribution can be customised, on request, based on the installation requirements. The different inclination of the projectors, and therefore of the direction of the flow, guarantee uniform and homogenous lighting.

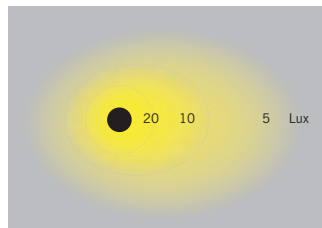
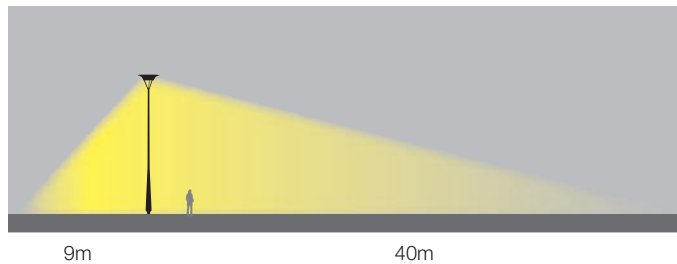




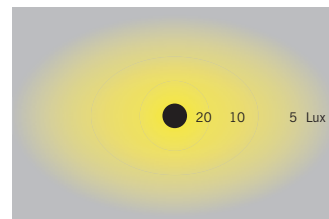
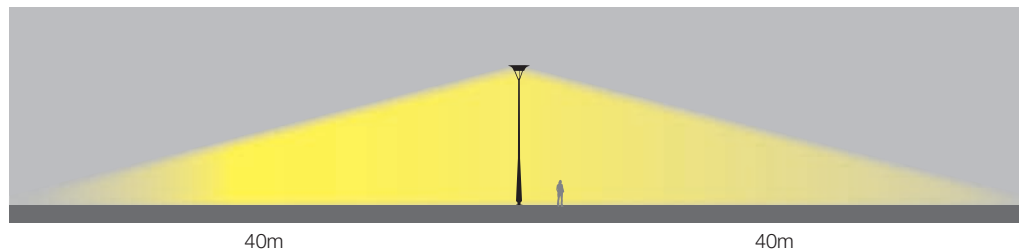
Standard configuration

The two standard configurations, symmetrical and asymmetrical, share exceptional light efficiency as well as lighting precision.

Asymmetrical light distribution

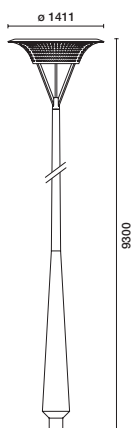


Symmetrical light distribution



light source	W*	lm	optic	code colour
LED		Neutral white		
	168W	8620	A	AZ70 15
	384W	20290	SM	AE80 15

Complete of pole with plate

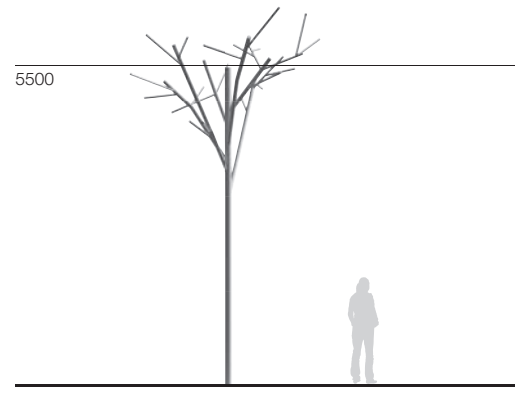
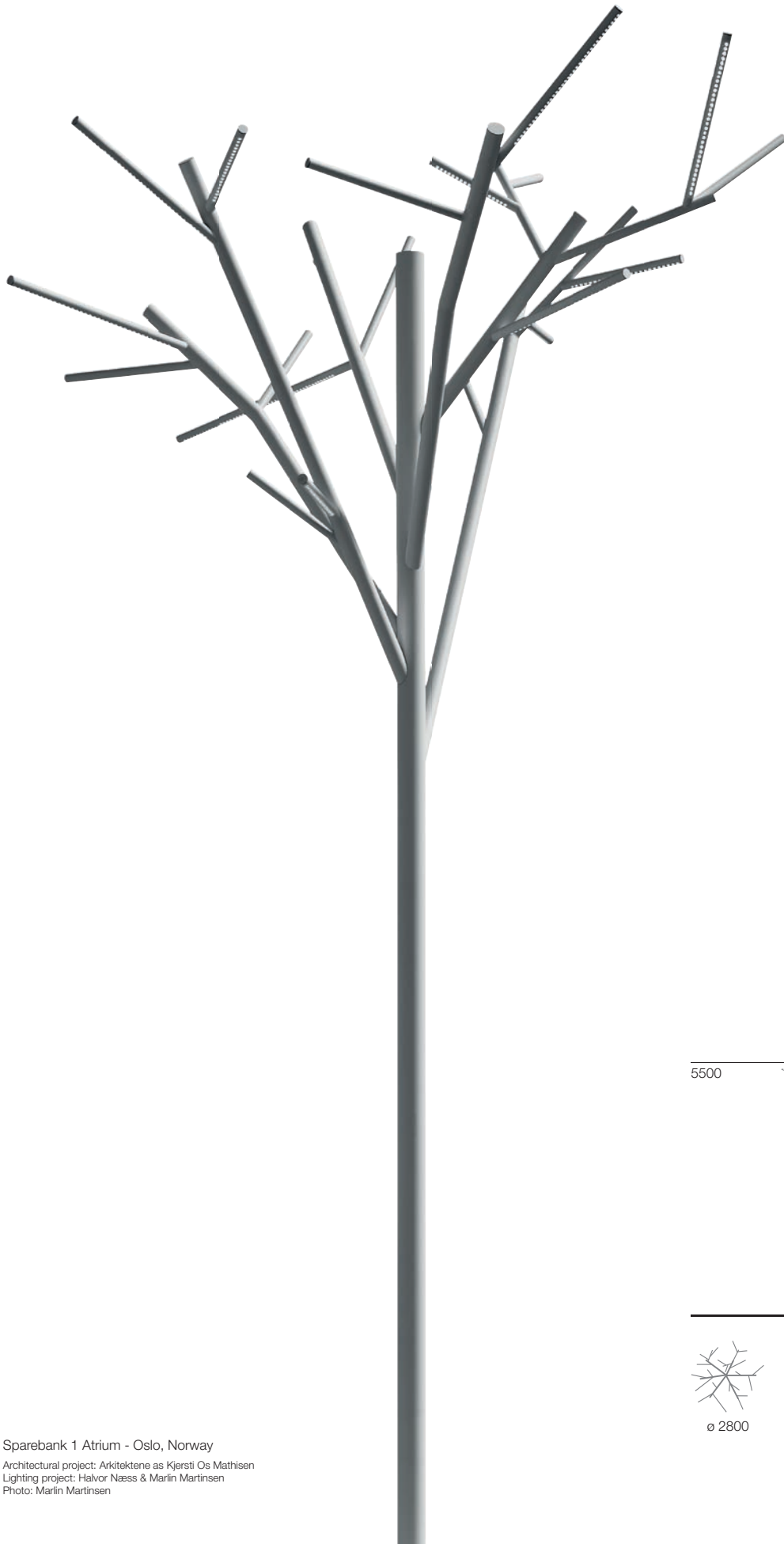


* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



Albero

Design Enzo Eusebi



Sparebank 1 Atrium - Oslo, Norway
Architectural project: Arkitektene as Kjersti Os Mathisen
Lighting project: Halvor Naess & Marlin Martinsen
Photo: Marlin Martinsen



Features



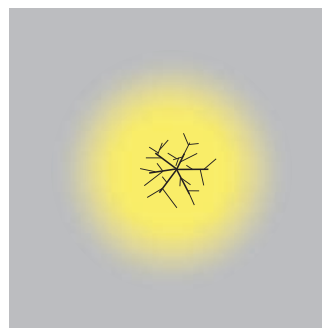
- Direct lighting system for use with LEDs.
- Fitting has a pole and arms (branches) housing the LEDs.
- Stainless steel pole H=5500 mm D=102 mm with white powder coating surface finish and external grounding system.
- Flush lid 220x45 mm.
- Buried versions and with plate (260x260 mm).
- Arms (branches) complete with LEDs in stainless steel tubular sections and painted white.
- Replaceable LED unit.
- Remote electronic power supply inserted in the lid.



Standard configuration

The 21 arms of the system are configured as follows:
 n° 12 L=400 mm with 5 W LEDs;
 n° 7 L=600 mm with 7,5 W LEDs;
 n° 2 L=800 mm with 10 W LEDs.

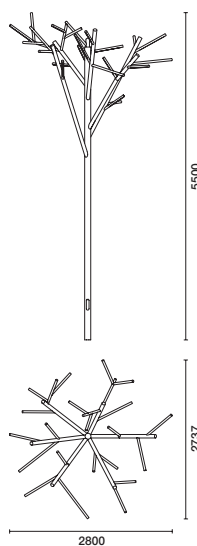
The number of branches that produce the light flow can, on request, be customised.



1mt=40 lux
 2mt=35 lux
 3mt=20 lux
 4mt=15 lux
 5mt=8 lux



light source	W*	lm	optic	code	colour
LED	Complete with sunk pole				
	Warm white				
	130W	2950	SM	ADR0	01
	Neutral white				
	130W	3180	SM	ADR2	01
	Complete of pole with plate				
	Warm white				
	130W	2950	SM	ADR1	01
	Neutral white				
	130W	3180	SM	ADR3	01







HOTEL DE VILLE

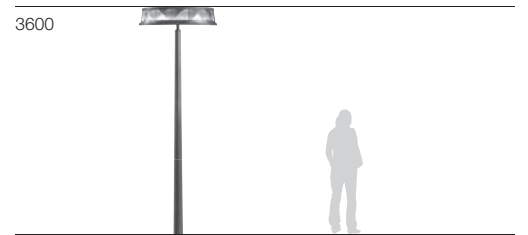
MDCCLXXV

EGALITE

FRA TERNITE

Anello

Design Marc Aurel



ø 900



Features



IP66 (IP54 component-holding box) IK07

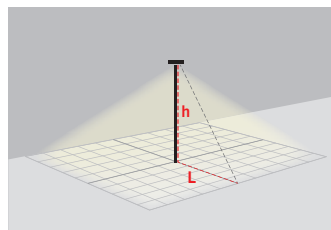
- Street lighting system for use with LEDs.
- Fitting has an optical assembly and pole.
- Optical assembly consisting of: cast aluminium structure with powder coating; external screen in transparent methacrylate; pyramid-shaped internal decorative parts in black; optical assembly with monochromatic warm white LEDs for general lighting, and monochromatic neutral white LEDs for illuminating the decorative parts.
- Pole made of EN 10025-S235JR, 70 micron hot galvanized steel.

It has a powder coating surface finish; conical shape (ø 110-70 mm) and a height of 3340 mm; complete with flush lid (200x75 mm) and ground anchoring plate (280x280 mm). The pole is fitted with an internal grounding system, grounding lug, insert and screw.



- Replaceable LED unit.
- Electronic power supply housed inside the product.
- Product supplied with outgoing cable.
- Upper fork in hot galvanized steel and powder coating complete with turned welded pole-top.

Optic



SM - Symmetric optic

LED

Down light
 $h = 3 / d = 1$



Down light



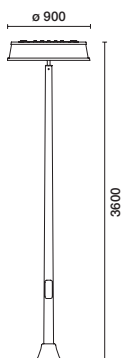
Up/Down light

d= L/h
h= Installation height
L= Width of area to be lit



light source	W*	lm	optic	code colour
LED	Down light			
	Warm white			
	51 W	2620	SM	ABD3 G16
Up/down light				
	Warm white			
	57 W	2920	SM	ABM3 G16

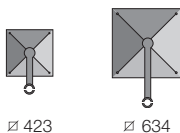
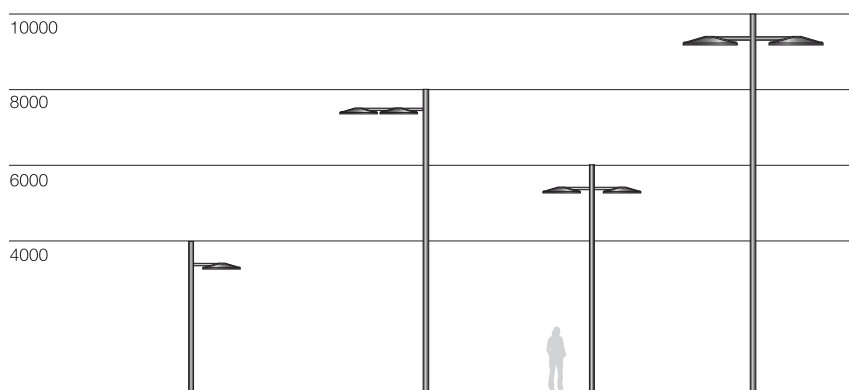
Complete of pole with plate







UFO
design Piano design

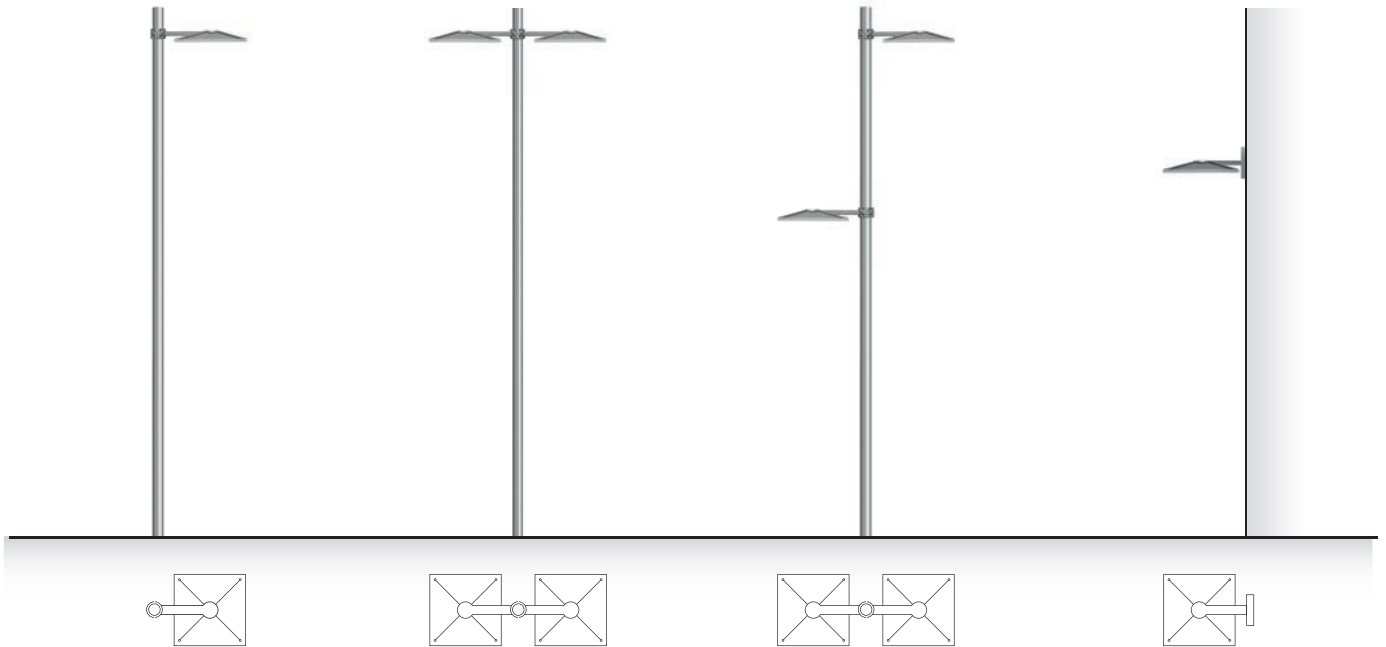


Tramway Station
Scandicci, Italy
Architectural project:
Rogers Stirk Harbour + Partners
Photo: Giuseppe Saluzzi

Compositions

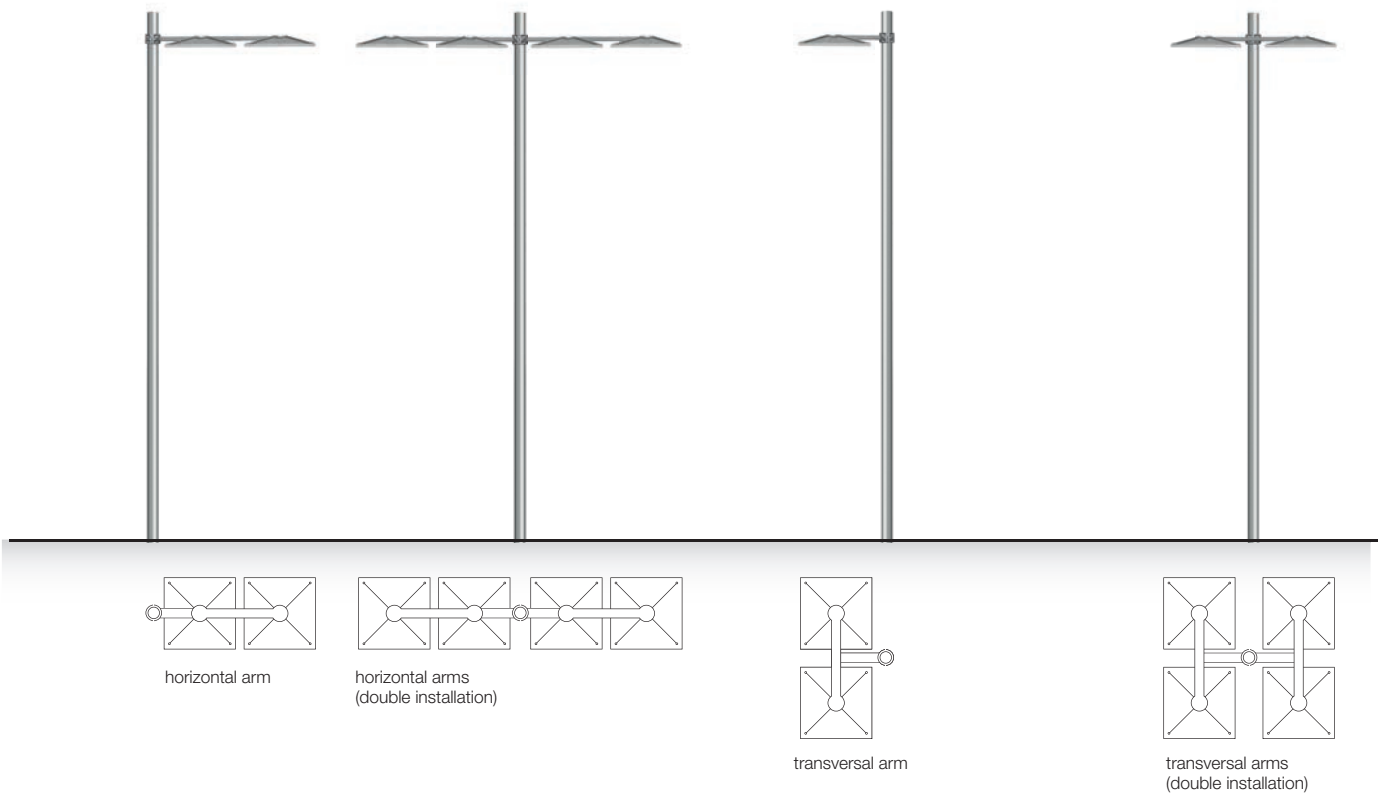
Horizontal arms

For installation of 1 optical assembly.



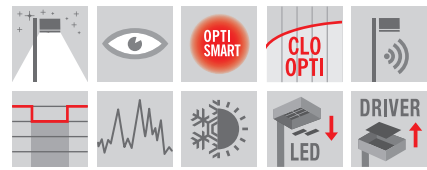
Horizontal and transversal arms

For installation of 2 optical assemblies.



Features

- Street lighting system for use with LEDs.
- Installation with arms on poles with diameters \varnothing 60/76/89/102/114/120 mm.
- Die-cast aluminium optical assembly; sodium-calcium sealing glass, 5 mm thick, or in opaline polycarbonate for versions with SC optic, siliconed to frame that closes the LED compartment with screws.
- Monochromatic LED power versions with reflectors in silver aluminium available with 5 different light distributions.
- No upward emission of the light flow.
- High visual comfort.
- High performance optics (Opti Smart) and uniform light distribution.
- No photobiological risk. This luminaire is in the "Exempt Group" (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.
- The luminaire has luminous flux emission fully programmable directly from the product driver.
- Road optics: the driver allows the use of 3 fixed profiles (1/2/3) and one variable profile (4) for different output lumen levels and different powers.
 - Profile 1 fixed** to 350mA
 - Profile 2 fixed** to 450mA
 - Profile 3 fixed** to 525mA
 - Profile 4 variable** to 350mA.
- Compatibility with Telemangement systems thanks to "Power Supply", dual-operation Flux regulator and "LED Driver DALI" (0-10V/1-10V) compatible with the systems on the market.
- Common mode surge protection up to 10KV.
- An active control system modifies the current intensity to preserve the luminous efficacy and the lifetime of the LEDs under any ambient temperature conditions.
- Replaceable LED unit.
- All external screws are in stainless steel.



on request versions:



Optical systems

Versions with Road and Asymmetrical **Opti Smart** optics have new generation optics which guarantee lighting efficiency, low consumption, reduced CO₂ emissions and excellent colour rendering. Street is ideal for urban and interurban areas with vehicular traffic. Asymmetric is for pedestrian urban areas and bicycle lanes.



Road/Asymmetric optic



Comfort Symmetric optic

The **Comfort Symmetric** optic, designed for pedestrian areas (Glare index G6), contributes to creating a comfortable environment with "soft" light similar to the effect achieved with indirect lighting.

LED

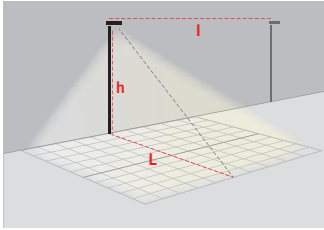
- **LED Single Chip**
- Colour stability **Mac Adam <4**
- Life 100000 h **L90** Profile 1-4
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	HIT/HST 		HME 	
3210	30W	83W	64%	92W	68%

(4000K) LED energy saving compared with traditional lamps
The system life is calculated at Ambient Temperature (Ta) 25°C

ST / A optics



ST - Road optics

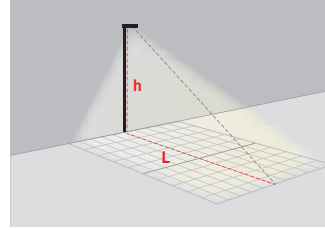
LED



ST1
 $l = 4h / d = 1$
 Glare Index: G4

ST1.2
 $l = 4h / d = 1,2$
 Glare Index: G4

ST1C
 $l = 3,7h / d = 1$
 Glare Index: G6



A - Asymmetric optics

LED



A60
 $h = 7 / d = 2$

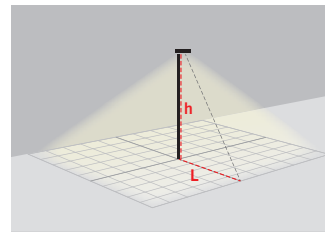
A45C
 $h = 7 / d = 1,6$

$d = L/h$
 $h =$ Installation height
 $L =$ Width of area to be lit
 $l =$ Spacing between poles

$d = L/h$
 $h =$ Installation height
 $L =$ Width of area to be lit

SC optics

The driver of this version allows the use of 4 different profiles which correspond to different durations of the dimming period.



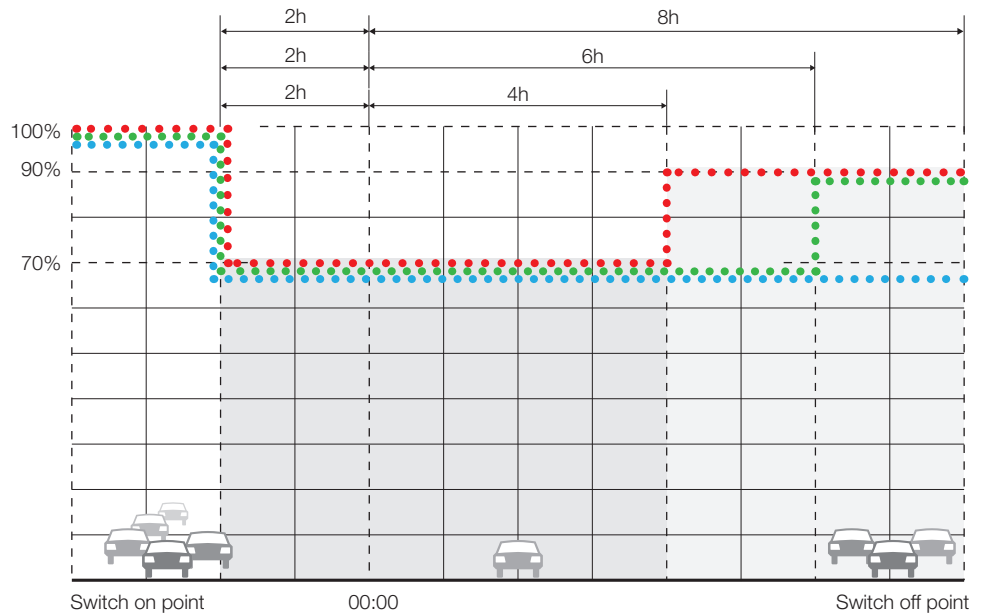
SC - Comfort Symmetric optic

LED

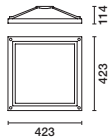
$h = 7 / d = 1$
 Glare Index G6

$d = L/h$
 $h =$ Installation height
 $L =$ Width of area to be lit

Profile 1 fixed 100%
Profile 2 variable with flow reduction and midnight recognition (10h at 70%)
Profile 3 variable with flow reduction and midnight recognition (8h at 70%)
Profile 4 variable with flow reduction and midnight recognition (6h at 70%)
 The profiles can also be customised further via USB by including, for example, midnight recognition or decreasing the output lumen levels in each profile.

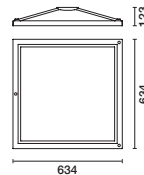


- Profile 2
- Profile 3
- Profile 4



light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code colour
LED					
Multipower with midnight recognition					
Neutral white - SC optic					
	36W		2400		*BL03 B5
Neutral white - ST1 optic					
	30W	42W	3210	4280	BL05 B5
	38W	52W	4110	5350	BL07 B5
Neutral white - ST1.2 optic					
	39W	52W	4160	5350	BL09 B5
Neutral white - ST1C optic					
	30W	42W	3030	4040	BL13 B5
	44W	62W	4550	6050	BL15 B5
Neutral white - A60 optic					
	44W	62W	4770	6340	BL11 B5
Neutral white - A45C optic					
	44W	62W	4440	5900	BL17 B5
Warm white - SC optic					
	36W		2190		*BL02 B5
Warm white - ST1 optic					
	30W	42W	2960	3940	BL04 B5
	38W	52W	3780	4920	BL06 B5
Warm white - ST1.2 optic					
	39W		3820		BL08 B5
Warm white - ST1C optic					
	30W	52W	2790	4920	BL12 B5
	44W	62W	4180	5560	BL14 B5
Warm white - A60 optic					
	44W	62W	4380	5830	BL10 B5
Warm white - A45C optic					
	44W	62W	4080	5420	BL16 B5

Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).
* IK08



light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code colour
LED					
Multipower with midnight recognition					
Neutral white - SC optic					
	56W		4300		*BL19 B5
Warm white - SC optic					
	56W		3920		*BL18 B5

Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).
* IK08

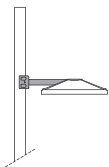
The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1) and to the profile with maximum output flux (Profile 3). The values of other profiles can be consulted in the online catalogue: "http://products.iguzzini.com"

accessories

	code	colour
USB pen profiler	BZX1	04
Complete with cable and battery		

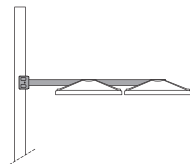
installation with arms

	length	ø pole	code colour
horizontal arm for installing 1 assembly	398	76	BZP3 15
	411	102	BZP5 15
	for small optical assembly		
	538	76	BZP4 15
	552	102	BZP6 15
	562	120	BZP7 15
for large optical assembly			



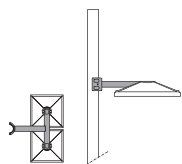
The counter flange must be ordered, to secure the arm to the pole.

	length	ø pole	code colour
horizontal arm for installing 2 assemblies	840	102	BZU5 15
	for small optical assembly		
	1196	102	BZP8 15
	1206	120	BZP9 15
for large optical assembly			



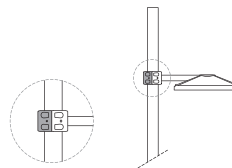
The counter flange must be ordered, to secure the arm to the pole.

	length	ø pole	code colour
transversal arm for installing 2 assemblies	411	102	BZU6 15
	for small optical assembly		
	552	102	BZQ0 15
	562	120	BZQ1 15
for large optical assembly			



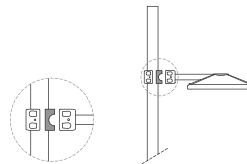
The counter flange must be ordered, to secure the arm to the pole.

	ø pole	code colour
counter flange	76	BZQ2 15
	102	6161 15
	120	6162 15



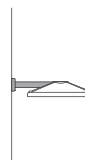
To be ordered to secure the arm to the pole. Not required when installing two opposite arms.

	length	code colour
adaptor for flange	60 (76)	BZQ3 15
	89 (102)	6163 15
	114 (120)	6164 15



For installing arm on poles with a diameter of ø 60 - ø 89 - ø 114 mm.

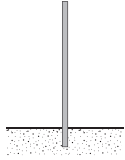
	length	code colour
wall attachment	for small optical assembly	BZW4 15



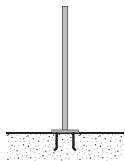
* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

cylindrical poles for 1 optical assembly

	h off-ground	ø pole	ø shank	code colour
buried	4000	76		1271 15
	5000	102		1205 15
	6000	102	76	1518 15
	7000	120	102	1519 15



	h off-ground	ø pole	ø shank	code colour
with plate	4000	76		1272 15
	5000	102		1344 15
	6000	120	102	1521 15
	7000	120	102	1522 15



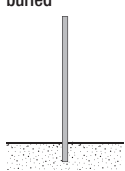
accessory for poles with shank

	ø pole	code colour
end cap	102 (shank ø 76)	BZM6 15
	120 (shank ø 102)	BZM7 15

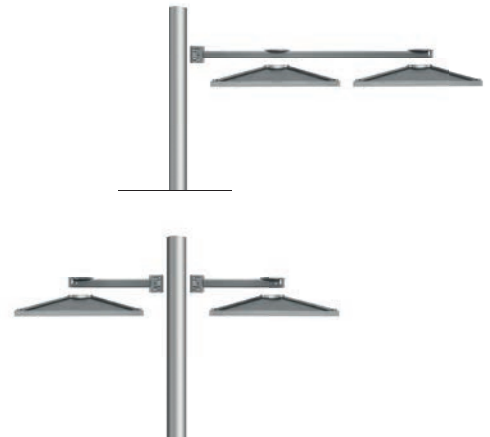
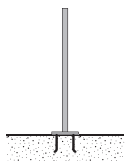


cylindrical poles for compositions of 2 optical assemblies

	h off-ground	ø pole	code colour
buried	6000	102	1542 15
	7000	102	1543 15

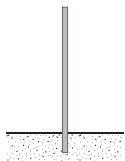


	h off-ground	ø pole	code colour
with plate	6000	159/102	1597 15
	7000	159/102	1598 15

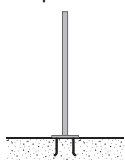


cylindrical poles for compositions of 4 optical assemblies

	h off-ground	ø pole	code colour
buried	8000	127/102	1544 15
	9000	194/120	1545 15
	10000	194/120	1546 15
	12000	194/120	1552 15



	h off-ground	ø pole	code colour
with plate	8000	159/102	1599 15
	9000	194/120	1547 15
	10000	194/120	1548 15
	12000	194/120	1554 15



The technical specifications of the poles are presented on page 457.
Fixing plate with anchor bolts to be ordered separately (page 465).

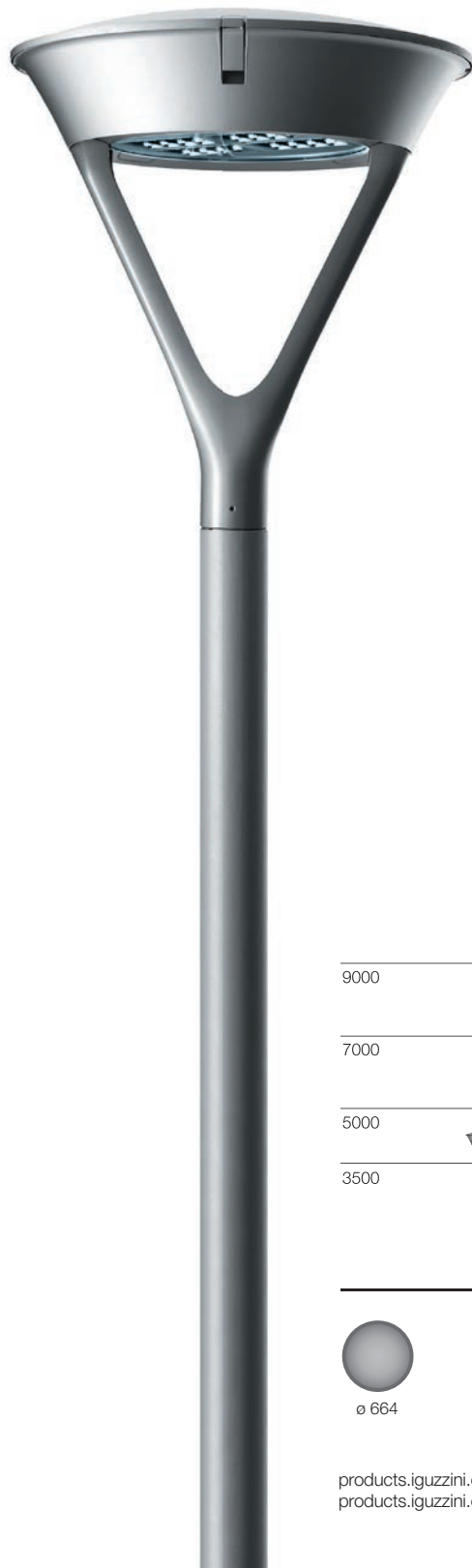


Crown

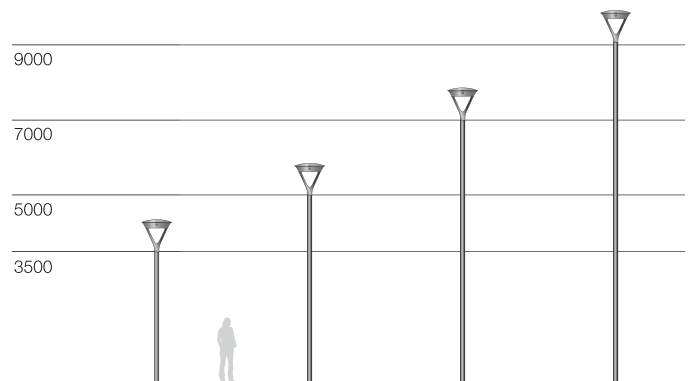
design Michele De Lucchi



Road / Asymmetric optic



Symmetric / Elliptical optic

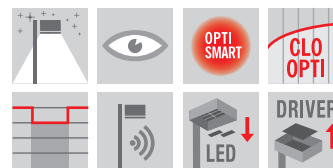


ø 664

products.iguzzini.com/crown_asymmetric
products.iguzzini.com/crown_symmetric

Features

- Street lighting systems for use with LEDs, discharge and sodium discharge lamps.
- Die-cast aluminium optical assembly, lid and arms; tempered sodium-calcium sealing glass, thickness 5 mm; internal reflector in 99.93% superpure aluminium can be removed without tools; lamp holder with anti-loosening device of the light source.
- No upward emission of the light flow.
- High visual comfort.
- High performance optics (Opti Smart) and uniform light distribution.
- No photobiological risk. This luminaire is in the "Exempt Group" (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.
- The luminaire has luminous flux emission fully programmable directly from the product driver.
- The driver allows the use of 3 fixed profiles (1/2/3) and one variable profile (4) for different output lumen levels and different powers.
 - Profile 1 fixed** to 375mA
 - Profile 2 fixed** to 450mA
 - Profile 3 fixed** to 525mA
 - Profile 4 variable** to 350mA
- Compatibility with Telemangement systems thanks to "Power Supply", dual-operation Flux regulator and "LED Driver DALI" (0-10V/1-10V) compatible with the systems on the market.
- Pole-top installation on poles with ending part \varnothing 76 mm. An adaptor is available for installation on poles with a diameter from \varnothing 60 to \varnothing 120 mm.
- 5-position lamp adjustment (only for road optic versions with Cosmowhite).
- All external screws are in stainless steel.



on request versions:



LED

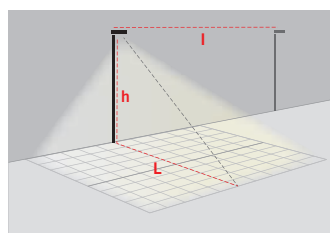
- **LED Single Chip**
- Colour stability **Mac Adam <4**
- Life 100000 h **L90** Profile 1-4
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	HIT/HST 		HME 	
2910	30W	83W	64%	92W	67%
5200	53W	119W	55%	142W	63%

(4000K) LED energy saving compared with traditional lamps
The system life is calculated at Ambient Temperature (Ta) 25°C

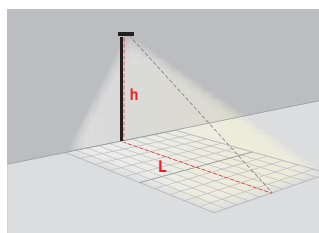
Optics



ST - Road optics

- LED**
- OPTI SMART**
- ST1**
 $l = 4h / d = 1$
Glare Index: G4
- ST1.2**
 $l = 4h / d = 1,2$
Glare Index: G4
- ST1C**
 $l = 3,7h / d = 1$
Glare Index: G6

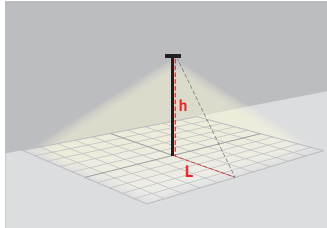
d= L/h
h= Installation height
L= Width of area to be lit
l= Spacing between poles



A - Asymmetric optics

- LED**
- OPTI SMART**
- A60**
 $h = 7 / d = 2$
- A45C**
 $h = 7 / d = 1,6$

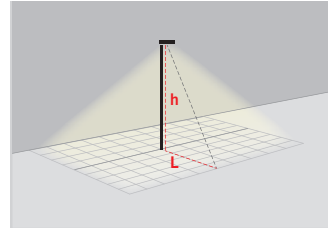
d= L/h
h= Installation height
L= Width of area to be lit



Symmetric optic

LED

$h = 7 / d = 2$



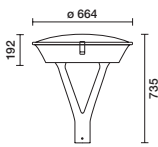
E - Elliptical optic

LED

$h = 6 / d = 1,5$

d= L/h
h= Installation height
L= Width of area to be lit

d= L/h
h= Installation height
L= Width of area to be lit



light source **W*_{min}** **W*_{max}** **lm_{min}** **lm_{max}** code colour

LED

Asymmetrical optical assembly

Multipower with midnight recognition

Neutral white - **ST1 optic**

30 W 42 W 2910 3850 BM27 15

53 W 72 W 5200 6690 BM28 15

Neutral white - **ST1.2 optic**

60 W 81 W 6000 7620 BM29 15

Neutral white - **ST1C optic**

58 W 81 W 5660 7430 BM30 15

Neutral white - **A60 optic**

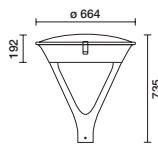
72 W 101 W 7710 10050 BM31 15

Neutral white - **A45C optic**

72 W 101 W 7160 9340 BM32 15

Available warm white versions
Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).

The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1) and to the profile with maximum output flux (Profile 3). The values of other profiles can be consulted in the online catalogue: "http://products.iguzzini.com"



light source **W*_{min}** **W*_{max}** **lm_{min}** **lm_{max}** code colour

LED

Symmetrical optical assembly

Multipower with midnight recognition

Neutral white - **E optic**

30 W 42 W 2800 3700 BM34 15

Neutral white - **SM optic**

58 W 81 W 5740 7520 BM33 15

Available warm white versions
Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).



	code	colour
USB pen profiler	BZX1	04
Complete with cable and battery		

cylindrical poles

	h off-ground	ø pole	ø shank	code colour
	3500	102		1203 15
	5000	102		1205 15
	6000	102	76	1518 15
	7000	120	102	1519 15
	8000	120	102	1520 15

	h off-ground	ø pole	ø shank	code colour
	5000	102		1344 15
	6000	120	102	1521 15
	7000	120	102	1522 15
	8000	120	102	1523 15

The technical specifications of the poles are presented on page 457
Fixing plate with anchor bolts to be ordered separately (page 465).

conical poles

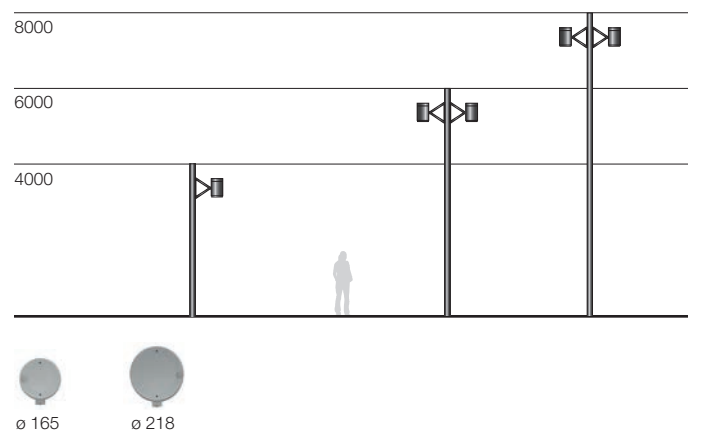
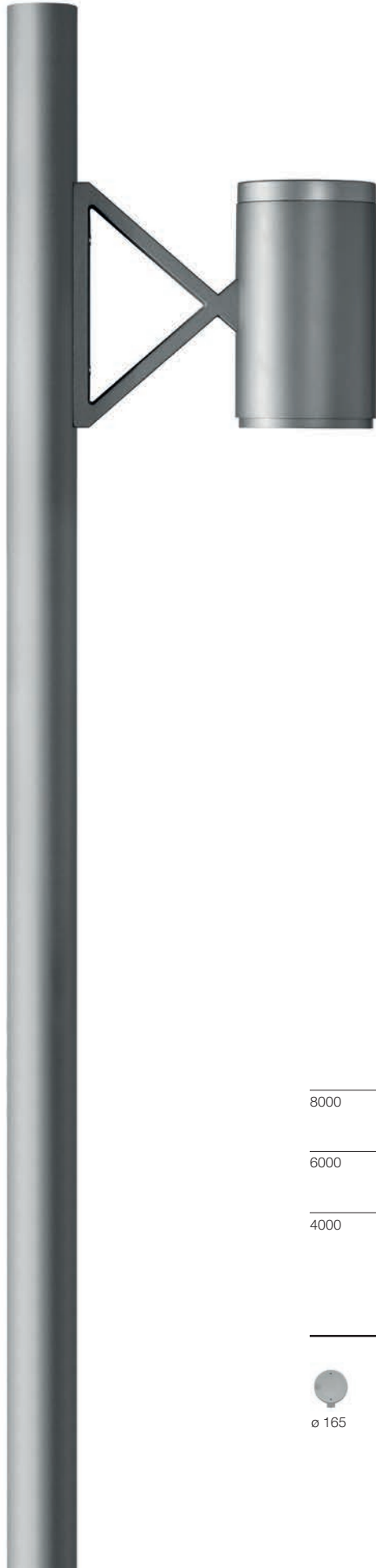
	h off-ground	ø pole	code colour
	4000	106-60	1275 15
	7000	138-60	1281 15
	9000	158-60	1282 15

	h off-ground	ø pole	code colour
	4000	100-60	1278 15
	7000	130-60	1283 15
	9000	150-60	1284 15

		code colour
	from ø 102 to ø 76	6134 15
	from ø 60 to ø 76	6152 15

iRoll 65 System

design Artec3 Studio, Aldayjover



iRoll 65 System

Features

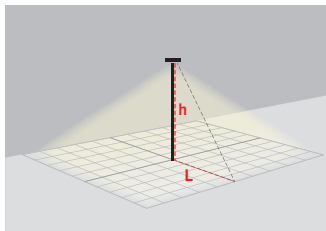


- Street lighting system for use with discharge lamps and LEDs.
- Available with Symmetric and Longitudinal Asymmetric optics.
- Cast aluminium optical assembly, frame and arms; transparent tempered sodium-calcium sealing glass, 4 mm thick, siliconed to frame; internal silicone watertight gaskets; steel retention cables between lower frame and optical assembly and between optical assembly and upper base.

- Superpure aluminium reflector.
- No upward emission of the light flow.
- High visual comfort.
- No photobiological risk. This luminaire is in the "Exempt Group" (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.
- All external screws are in A2 stainless steel.



Optics



SM - Symmetric optic

LED

$$I = 3,2h / d = 0,8$$

d= L/h
h= Installation height
L= Width of area to be lit

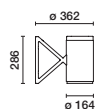
LED

Energy saving

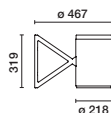
- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature: Neutral white **4000K**
Warm white **3000K**

lumen lm	LED	HIT/HST 		HME 	
1400	28W	55W	25%	83W	66%
2520	41W	55W	55%	92W	56%

(4000K) LED energy saving compared with traditional lamps






light source	W*	lm	optic	code colour
LED				
Neutral white	28 W	1400	SM	BI45 15
Warm white	28 W	1365	SM	BI46 15



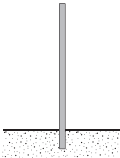
light source	W*	lm	optic	code colour
LED				
Neutral white	41 W	2520	SM	BI49 15
Warm white	41 W	2475	SM	BI50 15

accessories




	code colour	code colour
 Refractor for elliptical distribution	BZ01 24 for BI45-BI46	4492 24 for BI49-BI50
 Diffusing glass	BZ02 65	4493 65
 Connector IP68	BZH0 00	BZH0 00
Installation kit for cylindrical non perforated poles with \varnothing 60 mm to \varnothing 120 mm	BZQ4 00	BZQ4 00

cylindrical poles

	h off-ground	\varnothing pole	\varnothing shank	code colour
	4000	76		2510 15
	5000	102		2512 15
	6000	102	76	2514 15
	6000	120	102	2516 15
	6000	159/102	76	2517 15
	7000	120	102	2518 15
	7000	120	102	2520 15
	7000	159/102	76	2521 15

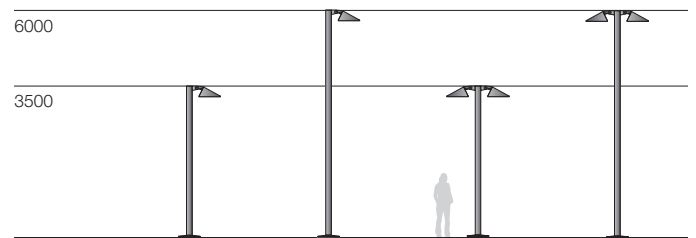
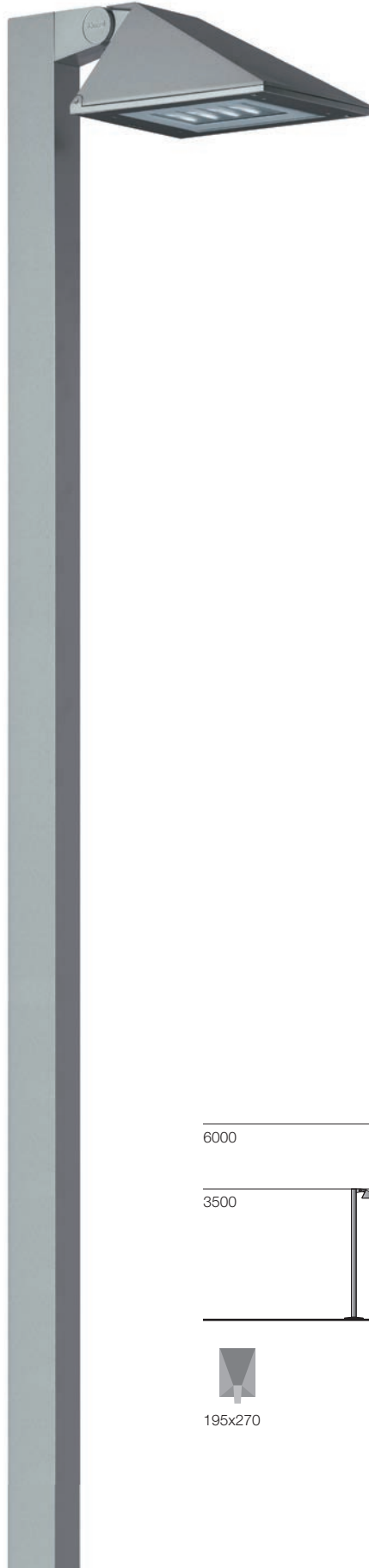
The poles are drilled for the installation of the optical assemblies.
The technical specifications of the poles are presented on page 457.

accessory for poles with shank

	\varnothing pole	code colour
	102 (shank \varnothing 76)	BZM6 15
	120 (shank \varnothing 102)	BZM7 15

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



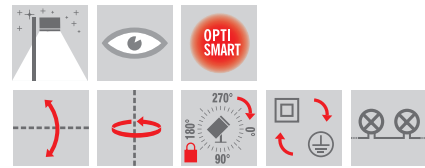


195x270

Features

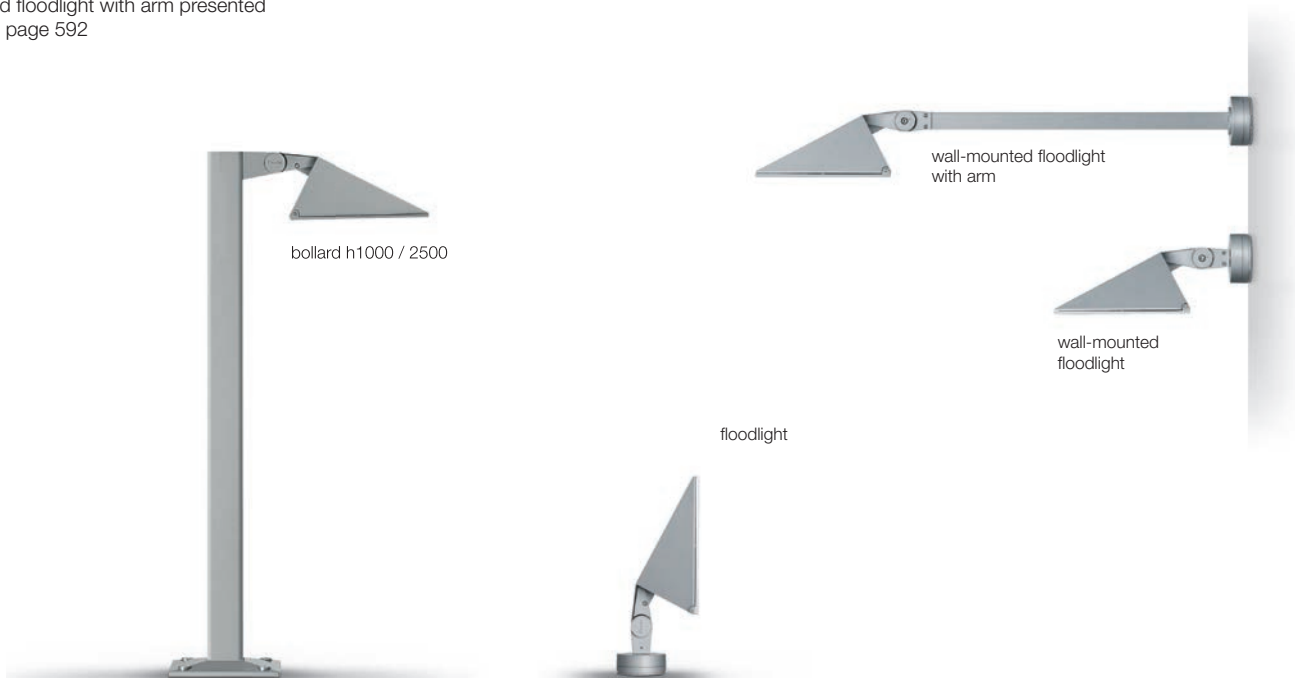


- Direct light luminaire for use with discharge, halogen lamps and LEDs.
- Pole and wall-mounted installation. Also available in versions complete with pole (h=2500 and 3500 mm).
- Die-cast aluminium optical assembly and frame; 4 mm thick transparent tempered sodium-calcium closing glass; super-pure aluminium reflector.
- Versions complete with pole consist of a support made of extruded aluminium (h=2500 mm) or 0 micron hot-galvanized steel h=3500 mm); die-cast aluminium alloy fastening plate and cover.
- Wall-mounted versions composed of die-cast aluminium alloy base.
- No upward emission of the light flow.
- High visual comfort.
- Graduated scale and locking device for positioning.
- The driver allows the use of 3 fixed profiles (1/2/3) for different output lumen levels and different powers.
 - Profile 1 fixed** to 380mA
 - Profile 2 fixed** to 460 mA
 - Profile 3 fixed** to 525mA.
- Versions with DALI and bi-energy (100% - 50%) control gear.
- All external screws are A2 stainless steel.
- Wiring box (accessory) with double PG for pass-through cables..
- Product with class of Insulation II set up for class I.

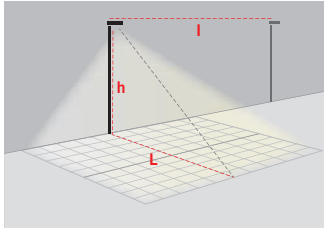


Garden versions

iTeka is also available in bollard version (h1000 and 2500), floodlight and floodlight with arm presented on page 592



Optics



ST - Road optics

LED

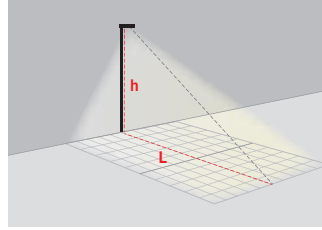


ST1
 $l = 4h / d = 1$
Glare Index: G4

ST1C
 $l = 3,7h / d = 1$
Glare Index: G6

ST0.8C
 $l = 5h / d = 0,5/0,8$
Glare Index: G6

d= L/h
h= Installation height
L= Width of area to be lit
l= Spacing between poles



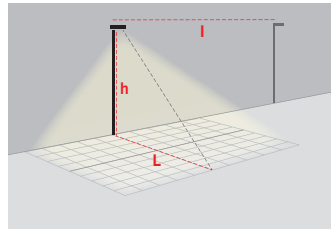
A - Asymmetric optic

LED



A45C
 $h = 7 / d = 1,6$

d= L/h
h= Installation height
L= Width of area to be lit

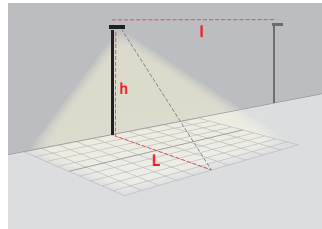


AT - Transversal Asymmetric optic

HIT-CE $l = 3,5h / d = 1,7$



d= L/h
h= Installation height
L= Width of area to be lit
l= Spacing between poles



AL - Longitudinal Asymmetric optic

HIT-TC-CE $l = 6h / d = 1$



d= L/h
h= Installation height
L= Width of area to be lit
l= Spacing between poles

LED

- **LED Single Chip**
- Colour stability
Mac Adam <4
- Life
100000 h **L80**
Profile 1
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving

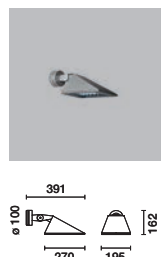
lumen lm	LED	HIT 		HME 	
1620	17W	35W	50%	92W	81%

(4000K) LED energy saving compared with traditional lamps
The system life is calculated at Ambient Temperature (Ta) 25°C

light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code colour
LED					
Floodlight for poles					
Multipower bi-energy with pilot cable					
Neutral white - ST1 optic					
17 W	22 W	1620	2080	BU46	15
Neutral white - A45C optic					
17 W	22 W	1490	1910	BU48	15
DALI Multipower					
Neutral white - ST1 optic					
17 W	22 W	1620	2080	BU47	15
17 W	22 W	1490	1910	BU49	15
Neutral white - ST0.8C optic					
17 W	22 W	1500	1940	BV06	15

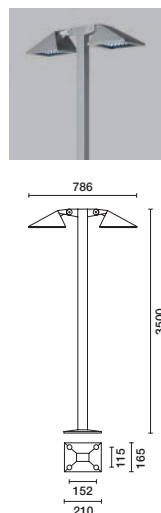
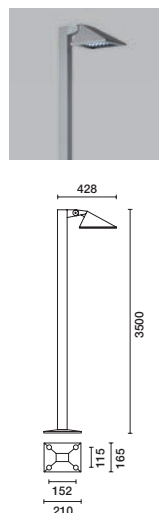


light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code colour
LED					
Wall-mounted					
Multipower					
Neutral white - ST1C optic					
17 W	22 W	1520	1960	BU40	15
Neutral white - A45C optic					
17 W	22 W	1490	1910	BU41	15



Available warm white versions
Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).

light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code colour
LED					
Floodlight complete with pole					
Multipower					
Neutral white - ST1C optic					
17 W	22 W	1520	1960	BU44	15
Neutral white - A45C optic					
17 W	22 W	1490	1910	BU45	15
Available warm white versions Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).					
HIT-TC-CE (G8,5)	Electronic - AL optic				BC41
	35 W				15
HIT-CE (G12)	Electronic - AT optic				BC39
	35 W				15



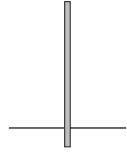
The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1) and to the profile with maximum output flux (Profile 3). The values of other profiles can be consulted in the online catalogue: "http://products.iguzzini.com".

accessories and installation systems

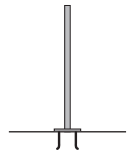
	Diffusing glass to be fitted with accessory-holder frame	B997 65 no for LED versions multilayer optics		Fixing plate with anchors for application on concrete plinth	B518 00
	Accessory-frame	B996 15		Spike for ground application	B989 00 for BU40-BU41
	Protection grille Can also be fitted with accessory-holder frame	B993 15 no for LED versions multilayer optics		Kit for fixing on concrete, solid brick and natural stone	5595 00 for BU40-BU41
	Louvre for AL optic Can also be fitted with accessory-holder frame	B994 04		Support for attaching to pole ø 40÷60 mm For installation of one or two floodlights.	1190 15 for BU40-BU41
	Louvre for AT optic Can also be fitted with accessory-holder frame	B995 04		IP66 box for pass-through cables	B510 00

cylindrical poles

	h off-ground	ø pole	ø shank	code colour
buried	4000	76		1271 15
	5000	102		1205 15
	6000	102	76	1518 15



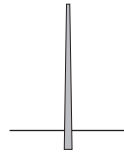
	h off-ground	ø pole	ø shank	code colour
with plate	4000	76		1272 15
	5000	102		1344 15
	6000	120	102	1521 15



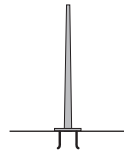
The technical specifications of the poles are presented on page 457
Fixing plate with anchor bolts to be ordered separately (page 465).

conical poles

	h off-ground	ø pole	code colour
buried	4000	106-60	1275 15



	h off-ground	ø pole	code colour
with plate	4000	100-60	1278 15

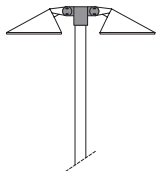


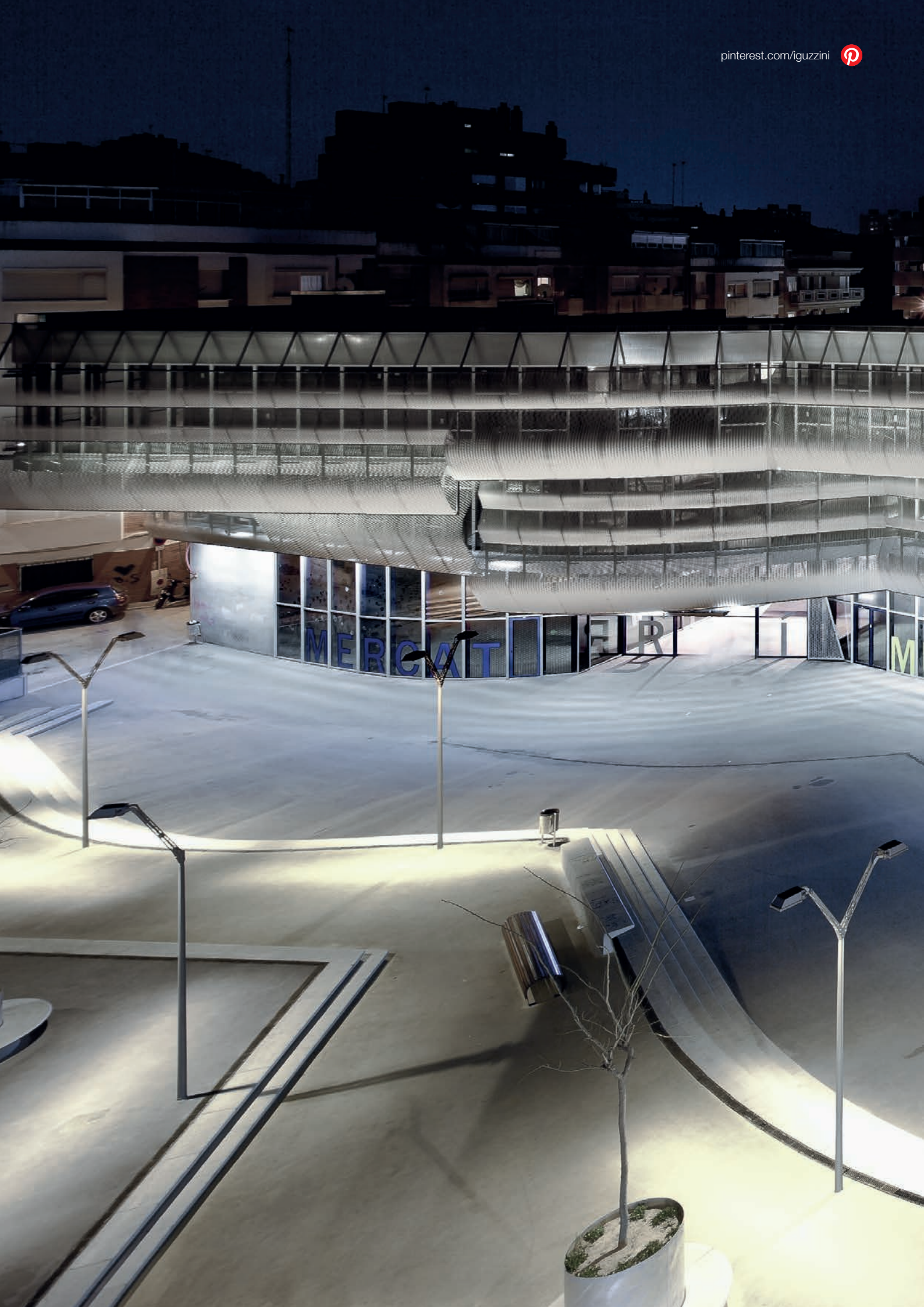
pole-top installation

	ø pole attachment	code colour
single	60	X002 15
	76	X003 15



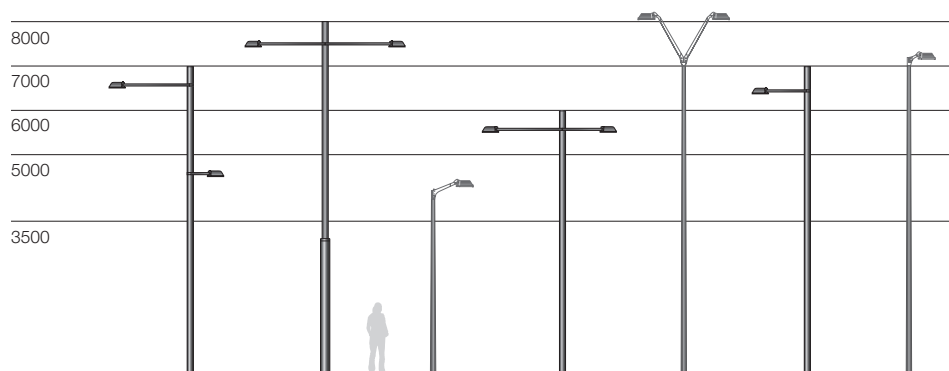
	ø pole attachment	code colour
double	60	X004 15
	76	X005 15





Platea System

design P. Castiglioni - M. Cucinella



250x370

Market Square in Rubí Rubí,
Barcelona, Spain

Architectural project: Josep Miàs,
MIAS Arquitectes - Photo: Adrià Goula

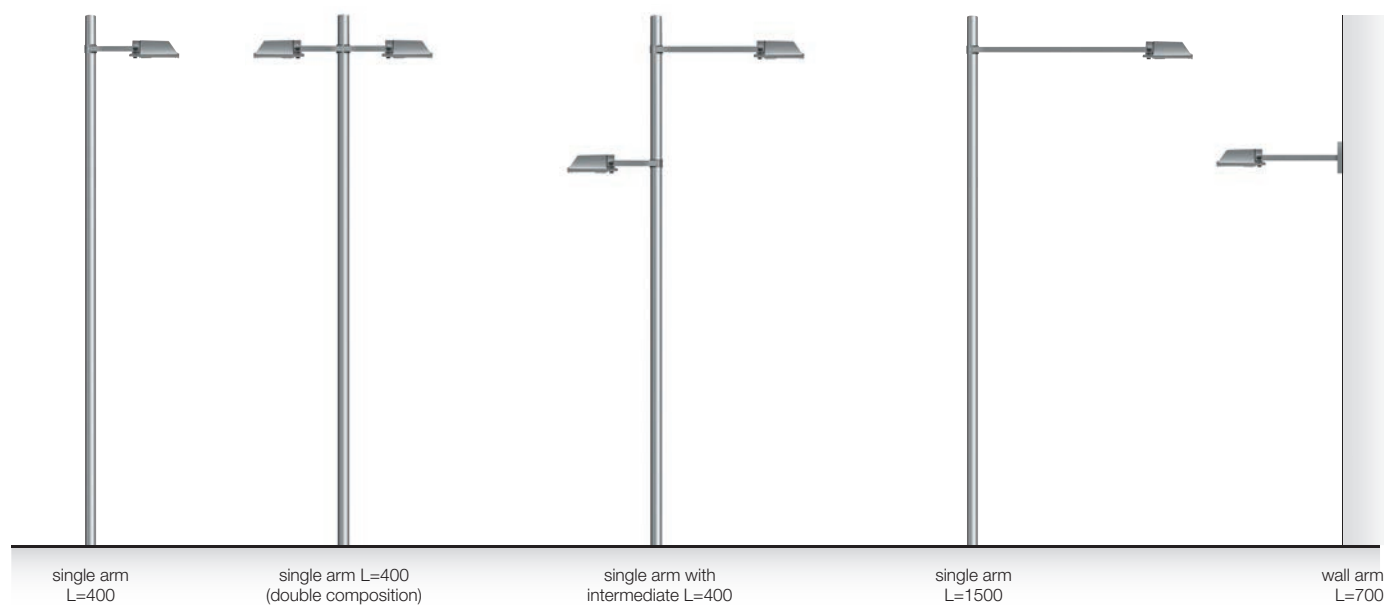
Platea System

Compositions

Arms for conical poles



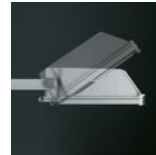
Arms for cylindrical poles



Features



- Street lighting system for use with LEDs, metal halide, sodium discharge, halogen and fluorescent lamps.
- Pole (conical or cylindrical ø 102 mm) or wall-mounted installation.
- Fitting has an optical assembly, arm (single or double) and pole.
- Optical assembly and frame in aluminium alloy; sodium-calcium tempered sealing glass; 0-50 Shore A silicone gasket; superpure aluminium reflector.
- Arm for conical pole in steel (long arm) or pure aluminium (short arm), secured to poles with die-cast aluminium attachment.
- Arm for cylindrical pole ø 102 mm in galvanized steel; arm installation (designed by Rafael de Cáceres and Antoni Rosellò) with flange, does not require any drilling of the pole.
- Adjustable optical assembly.
- Luminaire ready for pass-through wiring.
- No upward emission of the light flow.
- High visual comfort.
- All screws are A2 stainless steel.



Adjustable product

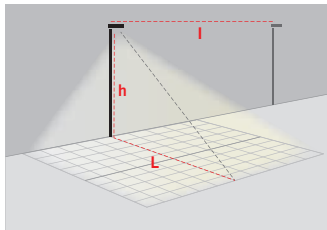


Installation of the arms with no holes



Double cable clamp

Optics



ST - Road optic

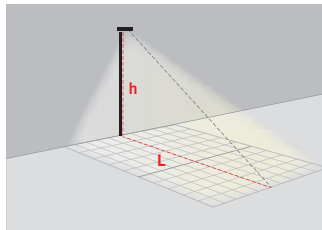
HIT-DE-CE $l = 3,9h / d = 1$
HST-DE



HIT-CE $l = 3,9h / d = 1$
G12



$d = L/h$
 h = Installation height
 L = Width of area to be lit
 l = Spacing between poles



A - Asymmetric optic

HIT-DE-CE $h = 8 / d = 1,5$
HST-DE



HIT-DE $h = 10 / d = 1,5$

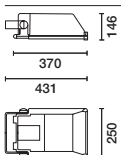


$d = L/h$
 h = Installation height
 L = Width of area to be lit

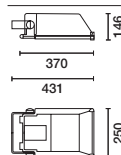
QT-DE12 ES $h = 10 / d = 1,5$



W	light source	optic	code colour
70 W	HIT-CE (G12)	ST	7444 15
150 W	HIT-CE (G12)	ST	7445 15
250 W	HIT-CE (G12)	ST	7499 15
70 W	HIT-DE-CE (Rx7s)	ST	7698 15
	HST-DE (Rx7s)		
150 W	HIT-DE-CE (Rx7s)	ST	7699 15
	HST-DE (Rx7s)		



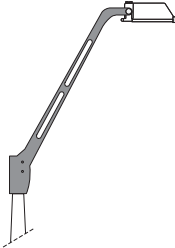
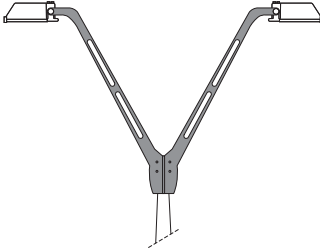
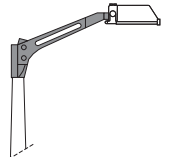
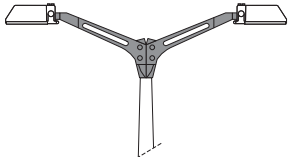
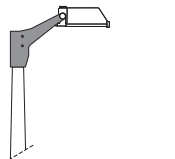
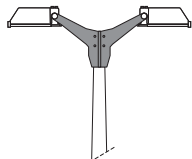
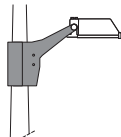
W	light source	optic	code colour
70 W	HIT-DE-CE (Rx7s)	A	7377 15
	HST-DE (Rx7s)		
150 W	HIT-DE-CE (Rx7s)	A	7378 15
	HST-DE (Rx7s)		
250 W	HIT-DE (Fc2)	A	7395 15



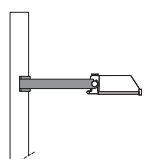
The entire range of Platea floodlights is presented in the Floodlights section on page 534.

Platea System

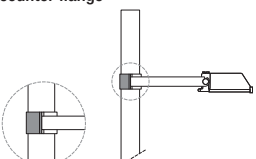
installation with arms on conical poles

	length	h	code colour		length	h	code colour
single pole-top	682	980	1145 15	double pole-top	1285	980	1147 15
							
	538	305	1144 15		1057	305	1146 15
	270	230	1262 15		460	230	1263 15
intermediate	337	230	1264 15				
	The intermediate arm can be installed on poles code 1281-1283 (at a height of 4 m off the ground)						

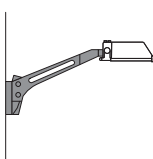


installation with arms on cylindrical poles

	length	code colour
single	400	BZ92 15
	900	BZ93 15
	1500	BZ94 15

The counter flange must be ordered, to secure the arm to the pole.
design Rafael De Cáceres and Antoni Roselló

counter flange		BZ95 15
	To be ordered to secure the arm on the pole. Not required when installing two opposite arms.	

wall-mounted installation with arms

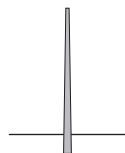
	length	h	code colour
	538	305	1149 15
	239	230	1265 15
	700		*BZ96 15

* design Rafael De Cáceres and Antoni Roselló

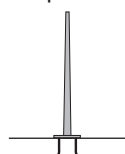
Platea System

conical poles

	h off-ground	ø pole	code colour
buried	4000	106-60	1275 15
	7000	138-60	1281 15
	9000	158-60	1282 15



	h off-ground	ø pole	code colour
with plate	4000	100-60	1278 15
	7000	130-60	1283 15
	9000	150-60	1284 15

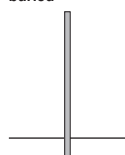


The technical specifications of the poles are presented on page 457.
Fixing plate with anchor bolts to be ordered separately (page 465).

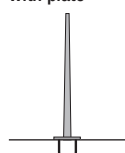


cylindrical poles

	h off-ground	ø pole	code colour
buried	3500	102	1203 15
	5000	102	1205 15
	6000	102	1542 15
	7000	102	1543 15
	8000	127/102	1544 15



	h off-ground	ø pole	code colour
with plate	5000	102	1344 15
	6000	159/102	1597 15
	7000	159/102	1598 15
	8000	159/102	1599 15



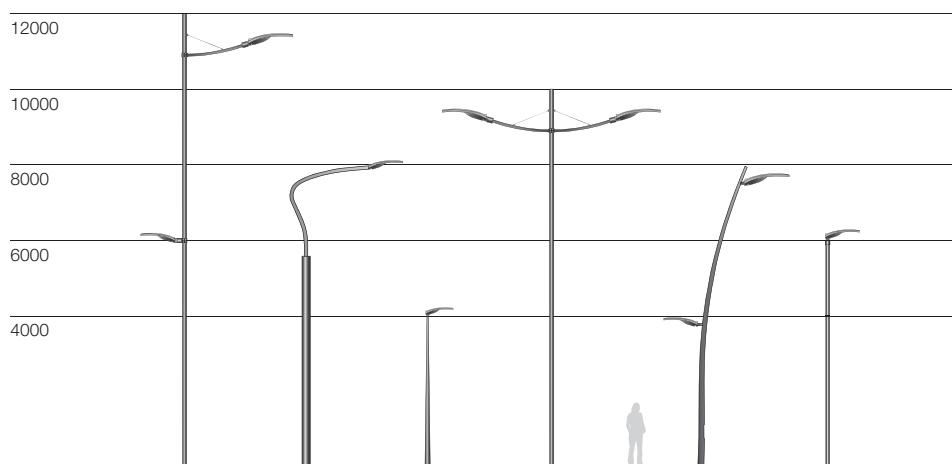
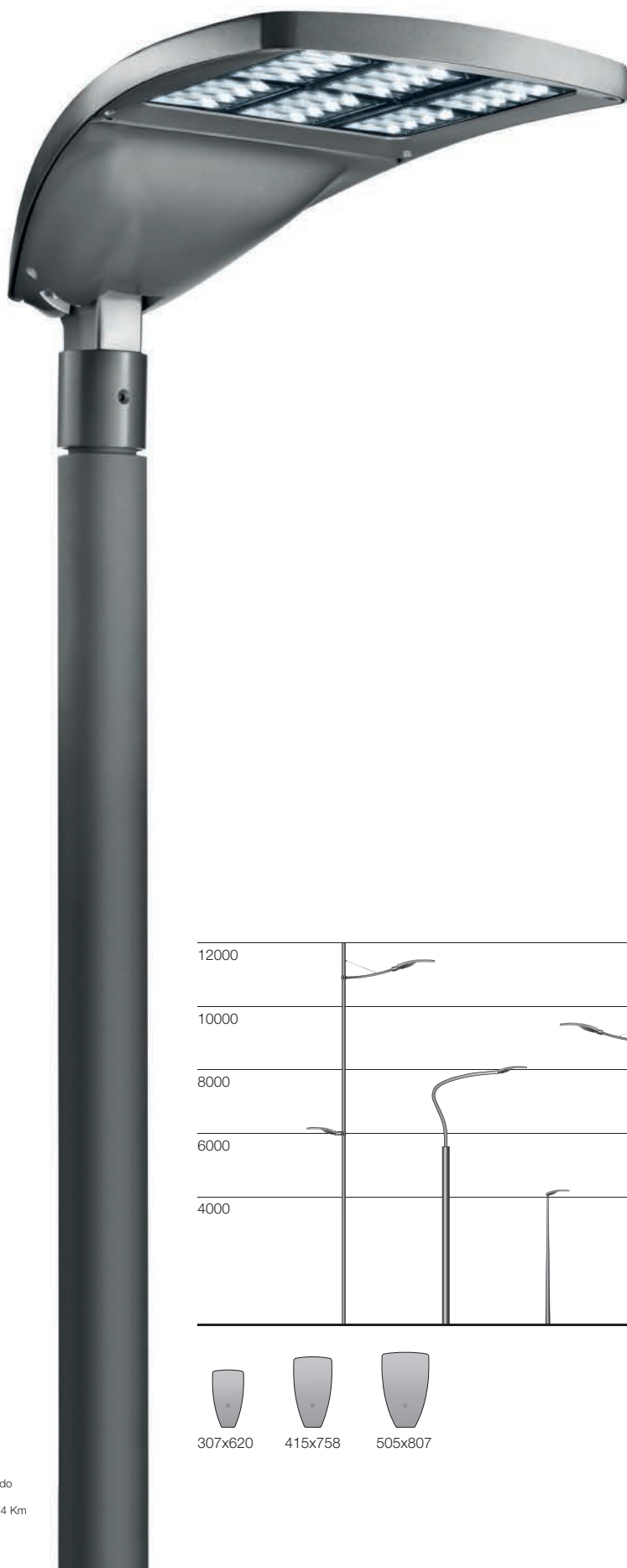
The technical specifications of the poles are presented on page 457.
Fixing plate with anchor bolts to be ordered separately (page 465).





Wow

design Piano design



307x620



415x758



505x807

Promenade David Ferrer
Xabia, Spain

Architectural project: Emilio Vicedo
Ortiz, Ambigrama Arquitectura,
Manuel Lillo Navarro - Photo: 274 Km

Wow

Compositions

Pole-top

Arms

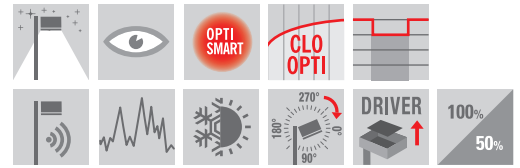


Shaped poles



Features

- Street lighting system for use with LEDs.
- Installation on pole-tops, with lateral arms or on tapered poles with attachment diameter \varnothing 46/60/76 mm.
- Pole-top installation on poles with ending part from \varnothing 46 to \varnothing 76 mm.
- Reflectors in silver aluminium.
- Die-cast aluminium optical assembly; hot dip galvanized steel tubular arms; sodium-calcium sealing glass, 5 mm thick, siliconed to frame that closes the LED compartment with a hinge and 2 screws.
- No upward emission of the light flow.
- Adjustable optical assembly.
- High visual comfort.
- High performance optics (Opti Smart) and uniform light distribution.
- No photobiological risk. This luminaire is in the "Exempt Group" (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.
- The luminaire has luminous flux emission fully programmable directly from the product driver.
- The driver allows the use of 3 fixed profiles (1/2/3) and one variable profile (4) for different output lumen levels and different powers.
 - Profile 1 fixed** to 350mA
 - Profile 2 fixed** to 450mA
 - Profile 3 fixed** to 525mA
 - Profile 4 variable** to 350mA
- Compatibility with Telemangement systems thanks to "Power Supply", dual-operation Flux regulator and "LED Driver DALI" (0-10V/1-10V) compatible with the systems on the market.
- Common mode surge protection up to 10KV.
- An active control system modifies the current intensity to preserve the luminous efficacy and the lifetime of the LEDs under any ambient temperature conditions.
- Replaceable LED unit.
- Replaceable driver unit and control gear.
- All external screws are in stainless steel.



on request versions:



Replaceable LED optical assembly

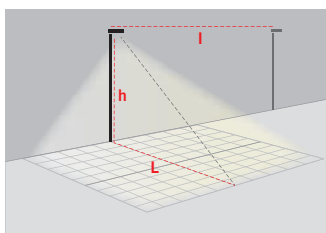


Replaceable optic



Tool-free replacement of power supply

Optics



ST - Road optics

LED



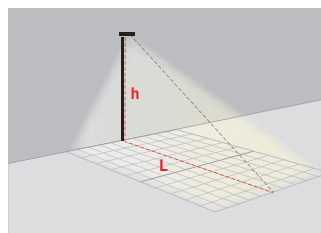
ST1
 $l = 4h / d = 1$
Glare Index: G4

ST1.2
 $l = 4h / d = 1,2$
Glare Index: G4

ST1C
 $l = 3,7h / d = 1$
Glare Index: G6

STO.8C
 $l = 5h$
 $d = 0,5 / 0,8$
Glare Index: G6

d= L/h
h= Installation height
L= Width of area to be lit
l= Spacing between poles



A - Asymmetric optics

LED



A60
 $h = 7 / d = 2$

A45C
 $h = 7 / d = 1,6$

d= L/h
h= Installation height
L= Width of area to be lit

Powers refer to the neutral white colour temperature.



LED





Energy saving

- LED Single Chip
- Colour stability
Mac Adam <4

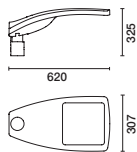
- Life 100000 h **L90**
Profile 1

- Life 95000 h **L90**
Profile 1

- Color temperature:
Neutral white **4000K**
Warm white **3000K**

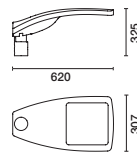
lumen lm	LED	HIT/HST 		HME 	
3200	30W	83W	64%	92W	68%
5720	54W	117W	54%	150W	64%
7490	68W	170W	60%	275W	75%
17340	168W	275W	40%	-	-

(4000K) LED energy saving compared with traditional lamps
The system life is calculated at Ambient Temperature (Ta) 25°C



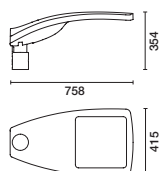
light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code colour
LED new Multipower with midnight recognition					
Neutral white - ST1 optic					
30 W	60 W	3200	5770	BU60	15
54 W	94 W	5720	8850	BU63	15
Neutral white - ST1.2 optic					
39 W	79 W	4140	7480	BU64	15
Neutral white - ST1C optic					
38 W	76 W	3820	3840	BU59	15
Neutral white - A60 optic					
30 W	61 W	3200	5760	BU65	15
Neutral white - A45C optic					
30 W	61 W	2980	5360	BU66	15
Warm white - ST1 optic					
30 W	60 W	2940	5310	BU71	15
54 W	94 W	5260	8140	BU74	15
Warm white - ST1.2 optic					
39 W	79 W	3810	6870	BU75	15
Warm white - ST1C optic					
38 W	76 W	3510	6290	BU70	15
Warm white - A60 optic					
30 W	61 W	2940	5300	BU76	15
Warm white - A45C optic					
30 W	61 W	2740	4930	BU77	15
Multipower Middle of the Night with or without pilot cable					
Neutral white - ST1 optic					
• 18 W	29 W	1710	2740	BU35	15
• 32 W	55 W	3420	5460	BU36	15
Warm white - ST1 optic					
• 18 W	29 W	1570	2520	BX00	15
• 32 W	55 W	3150	5020	BX01	15

Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).



light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code colour
LED Multipower bi-energy with pilot cable					
Neutral white - ST1 optic					
18 W	29 W	1710	2740	BU58	15
32 W	55 W	3420	5460	BU62	15
Warm white - ST1 optic					
18 W	29 W	1570	2520	BU69	15
32 W	55 W	3150	5020	BU73	15
DALI Multipower					
Neutral white - ST1 optic					
18 W	29 W	1710	2740	BU57	15
32 W	55 W	3420	5460	BU61	15
Neutral white - ST0.8C optic					
18 W	29 W	1590	2550	BU56	15
Warm white - ST1 optic					
18 W	29 W	1570	2520	BU68	15
32 W	55 W	3150	5020	BU72	15
Warm white - ST0.8C optic					
18 W	29 W	1460	2350	BU67	15

The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1) and to the profile with maximum output flux (Profile 3). The values of other profiles can be consulted in the online catalogue: "http://products.iguzzini.com"



light source W*_{min} W*_{max} lm_{min} lm_{max} code colour

LED new Multipower with midnight recognition

Neutral white - ST1 optic

30W 42W 3210 4280 **BH33** 15

53W 73W 5760 7490 **BH36** 15

68W 92W 7490 9620 **BH38** 15

81W 113W 8940 11730 **BH40** 15

• 88W 128W 9760 13200 **BP10** 15

Neutral white - ST1.2 optic

39W 52W 4160 5360 **BH34** 15

61W 83W 6660 8560 **BH37** 15

81W 113W 8940 11730 **BH41** 15

Neutral white - ST0.8C optic

30W 42W 2990 3990 **BH61** 15

Neutral white - ST1C optic

37W 52W 3790 5050 **BH62** 15

59W 83W 6060 8060 **BH63** 15

80W 113W 8330 11060 **BH64** 15

Neutral white - A60 optic

59W 83W 6360 8460 **BH35** 15

86W 122W 9510 12580 **BH39** 15

Neutral white - A45C optic

59W 83W 5920 7870 **BI41** 15

88W 122W 8840 11700 **BI42** 15

Warm white - ST1 optic

30W 42W 2960 3940 **BN51** 15

53W 73W 5300 6890 **BN52** 15

68W 82W 6880 7990 **BN53** 15

81W 113W 8220 10790 **BN54** 15

• 88W 128W 8970 12130 **BP11** 15

Warm white - ST1.2 optic

39W 52W 3820 4920 **BN55** 15

61W 83W 6120 7870 **BN56** 15

81W 113W 8220 10790 **BN57** 15

Warm white - ST0.8C optic

30W 42W 2750 3670 **BN60** 15

Warm white - ST1C optic

37W 52W 3480 4640 **BN61** 15

59W 83W 5580 7420 **BN62** 15

80W 113W 7660 10170 **BN63** 15

Warm white - A60 optic

59W 83W 5850 7780 **BN58** 15

86W 122W 8740 11570 **BN59** 15

Warm white - A45C optic

59W 83W 5440 7240 **BN64** 15

86W 122W 8130 10760 **BN65** 15

IK07

Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).

light source W*_{min} W*_{max} lm_{min} lm_{max} code colour

LED Multipower with midnight recognition

Neutral white - ST1 optic

98W 133W 10810 13880 **BH42** 15

118W 163W 13150 17030 ***BH59** 15

Neutral white - ST1.2 optic

96W 133W 10580 13880 **BH43** 15

116W 163W 13010 17030 **BH60** 15

Neutral white - ST1C optic

96W 133W 9970 13080 **BH65** 15

Neutral white - A60 optic

101W 143W 11130 14780 **BH58** 15

Neutral white - A45C optic

101W 143W 10360 13740 **BK35** 15

Warm white - ST1 optic

98W 133W 9940 12760 **BN66** 15

118W 163W 12100 15660 **BN67** 15

Warm white - ST1.2 optic

96W 133W 9720 12760 **BN68** 15

116W 163W 11960 15660 **BN69** 15

Warm white - ST1C optic

96W 133W 9170 12030 **BN71** 15

Warm white - A60 optic

101W 143W 10240 13590 **BN70** 15

Warm white - A45C optic

101W 143W 9520 12640 **BN72** 15

* IP66

Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).

The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1) and to the profile with maximum output flux (Profile 3). The values of other profiles can be consulted in the online catalogue: "http://products.iguzzini.com"

accessories

	code	colour
 USB pen profiler	BZX1	04
Complete with cable and battery		

installation with arms on cylindrical poles

	length	ø pole	code colour
single	900	102	6154 15
	900	120	6157 15

The counter flange must be ordered, to secure the arm to the pole.

single with tie rod	length	ø pole	code colour
	1500	102	6155 15
	1500	120	6158 15

The counter flange must be ordered, to secure the arm to the pole.

counter flange	102	6161 15
	120	6162 15

To be ordered to secure the single arm to the pole. Not required when installing two opposite arms.

adapter for flange	89 (102)	6163 15
	114 (120)	6164 15

For installing arm on poles with a diameter of ø 89 - ø 114.

wall attachment	code colour
	6160 15

pole-top installation

	ø pole attachment	code colour
double	102	6165 15

triple	ø pole attachment	code colour
	102	6166 15

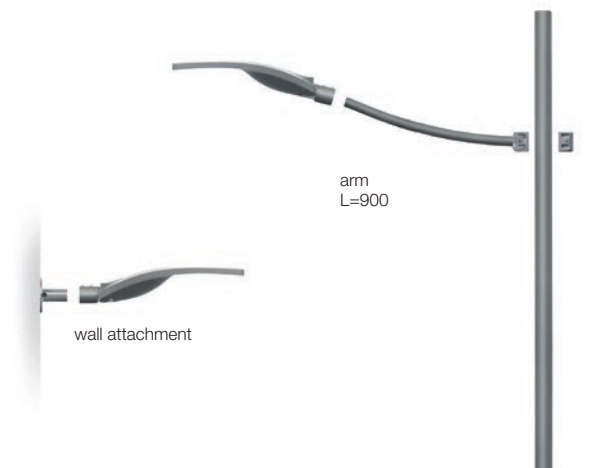
adapter for pole	from 102 to 76	6134 15
------------------	----------------	----------------

intermediate installation

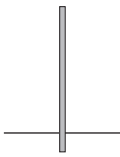
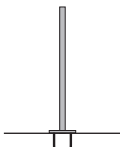
	length	ø pole	code colour
intermediate attachment	300	102	6156 15
	300	120	6159 15

All arms in all sizes can be installed by a special flange in single or double composition.

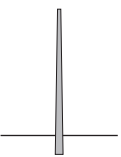
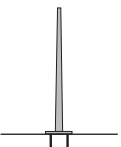
The Wow optical assembly can be installed on pole-top position in poles with ø 46 to ø 76 mm. Adapter for installation available for poles with ø 102 mm.



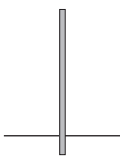
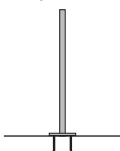
cylindrical poles for pole-top installation of 3 optical assemblies or for arms

	h off-ground	ø pole	code colour
buried 	6000	102	1542 15
	7000	102	1543 15
	8000	127/102	1544 15
	9000	194/120	1545 15
	10000	194/120	1546 15
	12000	194/120	1552 15
with plate 	6000	159/102	1597 15
	7000	159/102	1598 15
	8000	159/102	1599 15
	9000	194/120	1547 15
	10000	194/120	1548 15
	12000	194/120	1554 15

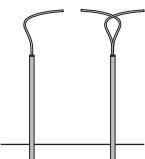
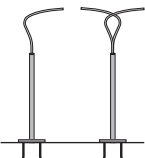

conical poles for pole-top installation of 1 optical assembly

	h off-ground	ø pole	code colour
buried 	4000	106-60	1275 15
	7000	138-60	1281 15
	9000	158-60	1282 15
with plate 	4000	100-60	1278 15
	7000	130-60	1283 15
	9000	150-60	1284 15

cylindrical poles for pole-top installation of 1/2 optical assemblies

	h off-ground	ø pole	ø shank	code colour
buried 	5000	102		1205 15
	6000	102	76	1518 15
	7000	120	102	1519 15
	8000	120	102	1520 15
with plate 	5000	102		1344 15
	6000	120	102	1521 15
	7000	120	102	1522 15
	8000	120	102	1523 15


shaped poles

	h off-ground	ø pole	ø lateral attachment	code colour
buried 	with single arm			
	6700	160	76	1511 74
	8700	160	76	1515 74
	with double arm			
with plate 	with single arm			
	6700	160	76	1566 74
	8700	160	76	1570 74
	with double arm			
	curved conical			
	6000	147 max	60	1506 15
	6000	147 max	60	*1508 15
	8000	172 max	60	1507 15
8000	172 max	60	*1509 15	

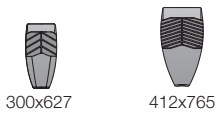
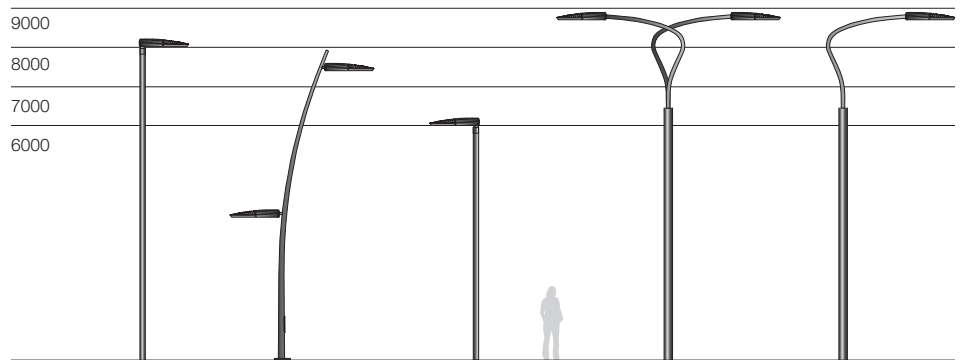
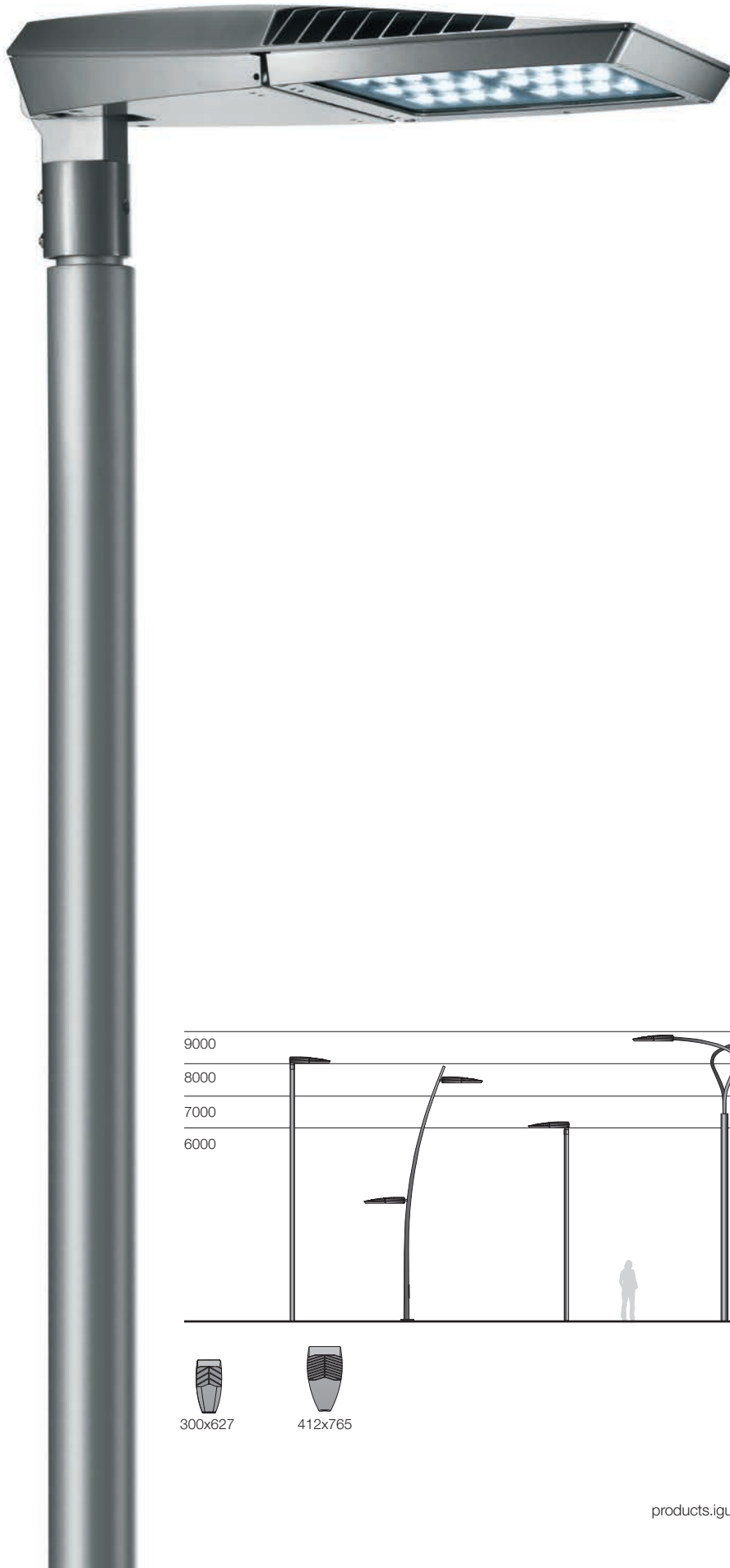
* Versions with intermediate attachment

The technical specifications of the poles are presented on page 457. Fixing plate with anchor bolts to be ordered separately (page 465).

accessory for curved conical poles

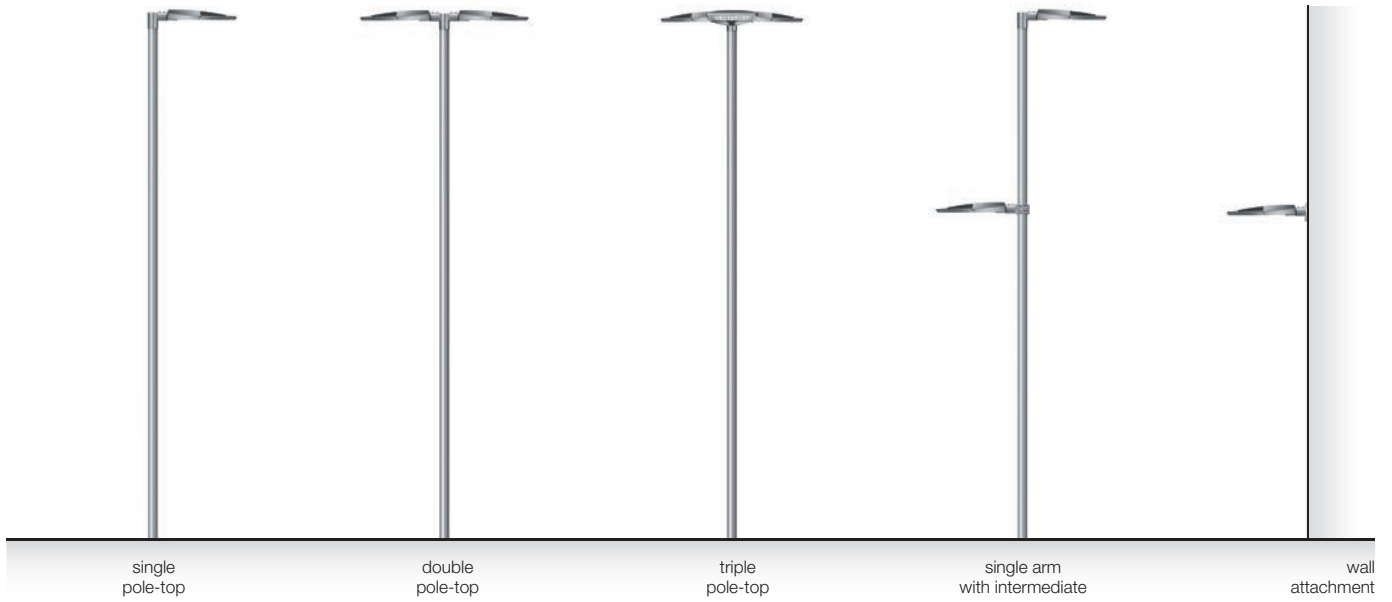
	code colour
decorative point with LED 	LED Blue BZC5 01
	LED Neutral white BZC6 01



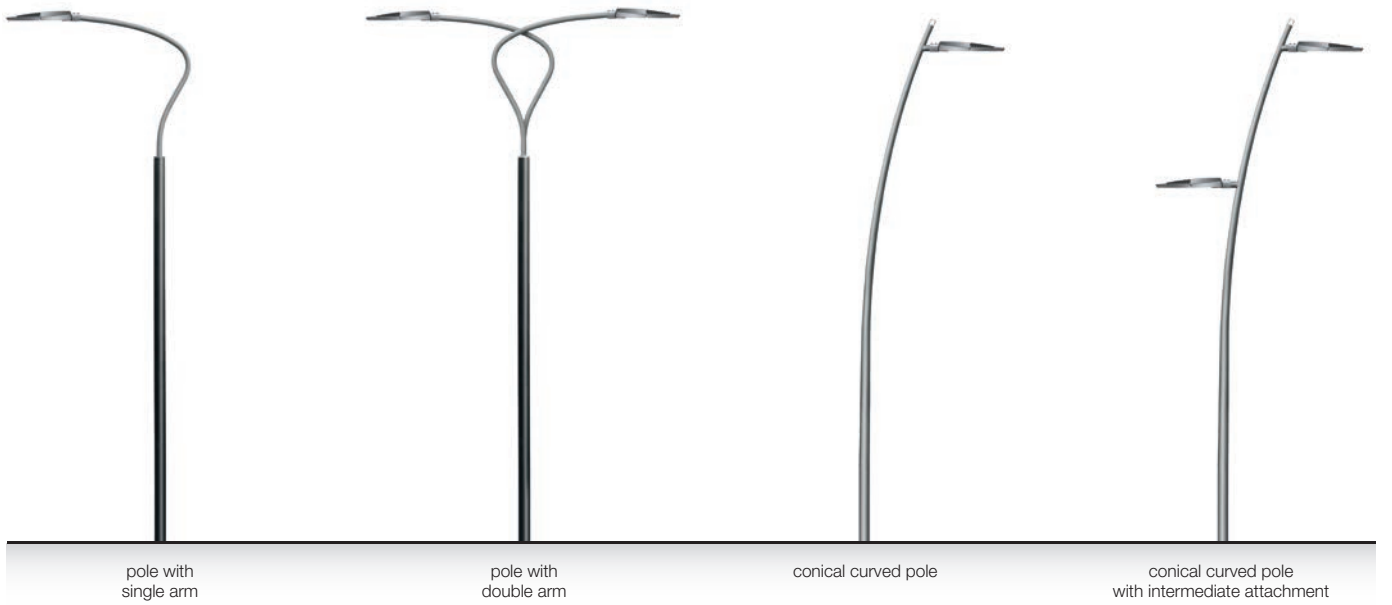


Compositions

Pole-top and wall-mounted installation

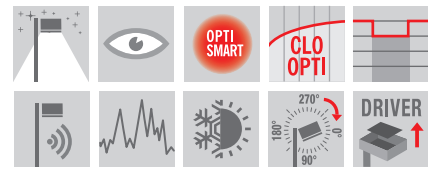


Shaped poles



Features

- Street lighting system for use with LEDs.
- Installation on pole-tops, with lateral arms or on tapered poles with attachment diameter \varnothing 46/60/76 mm.
- Pole-top installation on poles with ending part from \varnothing 46 to \varnothing 76 mm.
- Reflectors in silver aluminium.
- Die-cast aluminium optical assembly; hot dip galvanized steel tubular arms; sodium-calcium sealing glass, 5 mm thick, siliconed to frame that closes the LED compartment with a hinge and 2 screws.
- No upward emission of the light flow.
- Adjustable optical assembly.
- High visual comfort.
- High performance optics (Opti Smart) and uniform light distribution.
- No photobiological risk. This luminaire is in the "Exempt Group" (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.
- The luminaire has luminous flux emission fully programmable directly from the product driver.
- The driver allows the use of 3 fixed profiles (1/2/3) and one variable profile (4) for different output lumen levels and different powers.
Profile 1 fixed to 350mA
Profile 2 fixed to 450mA
Profile 3 fixed to 525mA
Profile 4 variable to 350mA
- Compatibility with Telemangement systems thanks to "Power Supply", dual-operation Flux regulator and "LED Driver DALI" (0-10V/1-10V) compatible with the systems on the market.
- Common mode surge protection up to 10KV.
- An active control system modifies the current intensity to preserve the luminous efficacy and the lifetime of the LEDs under any ambient temperature conditions.
- Replaceable LED unit.
- Replaceable driver unit and control gear.
- All external screws are in stainless steel.



on request versions:



Replaceable LED optical assembly

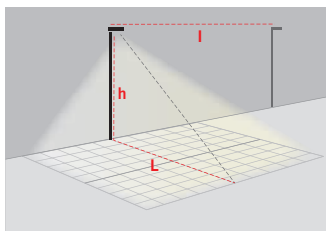


Replaceable optic



Tool-free replacement of power supply

Optics



ST - Road optics

LED

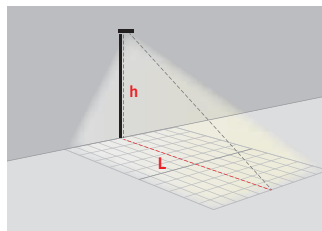


ST1
 $l = 4h / d = 1$
Glare Index: G4

ST1.2
 $l = 4h / d = 1,2$
Glare Index: G4

ST1C
 $l = 3,7h / d = 1$
Glare Index: G6

$d = L/h$
 h = Installation height
 L = Width of area to be lit
 l = Spacing between poles



A - Asymmetric optics

LED



A60
 $h = 7 / d = 2$

A45C
 $h = 7 / d = 1,6$

$d = L/h$
 h = Installation height
 L = Width of area to be lit

LED

- **LED Single Chip**
- Colour stability **Mac Adam <4**
- Life 100000 h **L90** Profile 1
- Life 95000 h **L90** Profile 1
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

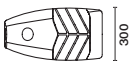
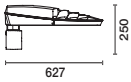
Energy saving

lumen lm	LED	HIT/HST 		HME	
3180	30W	83W	64%	92W	66%
5700	54W	117W	53%	150W	64%
8800	81W	170W	53%	275W	71%

(4000K) LED energy saving compared with traditional lamps
 The system life is calculated at Ambient Temperature (Ta) 25°C



light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code colour
LED new Multipower with midnight recognition					
Neutral white - ST1 optic					
•	18 W	36 W	1710	3210	BX36 15
•	33 W	61 W	3210	5760	BX37 15
•	54 W	95 W	5760	8950	BX38 15
Neutral white - ST1.2 optic					
•	35 W	91 W	3810	8570	BX39 15

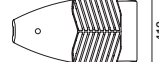
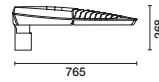


Warm white versions available on request.

Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).

The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1) and to the profile with maximum output flux (Profile 3). The values of other profiles can be consulted in the online catalogue: "http://products.iguzzini.com".

light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code colour
LED new Multipower with midnight recognition					
Neutral white - ST1 optic					
	30 W	42 W	3210	4280	BL66 15
	53 W	73 W	5760	7500	BL67 15
	81 W	113 W	8950	11770	BL68 15
•	85 W	96 W	8950	10250	BX40 15
•	104 W	160 W	16000	16550	BX41 15
Neutral white - ST1.2 optic					
	39 W	52 W	4160	5360	BL69 15
	61 W	83 W	6660	8570	BL70 15
	81 W	113 W	8950	11770	BN73 15
Neutral white - ST1C optic					
	37 W	52 W	3790	5050	* BL73 15
	59 W	83 W	6070	8080	* BL74 15
Neutral white - A60 optic					
	59 W	83 W	6360	8470	BL71 15
	87 W	123 W	9540	12680	BL72 15
Neutral white - A45C optic					
	59 W	83 W	5920	7880	* BL75 15
	87 W	123 W	8880	11800	* BL76 15



* IK07

Warm white versions available on request.

Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).

accessories



	code	colour
USB pen profiler	BZX1	04
Complete with cable and battery		

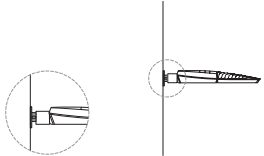
pole-top installation

	∅ pole attachment	code colour
double	102	6165 15
triple	102	6166 15
intermediate attachment L=300	102	6156 15
	120	6159 15
adapter for pole	from ∅ 102 to ∅ 76	6134 15



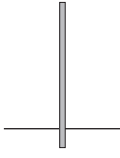
wall-mounted installation

	code colour
wall attachment	6160 15

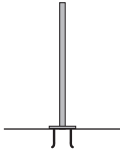



cylindrical poles for pole-top installation of 3 optical assemblies

	h off-ground	ø pole	code colour
buried	6000	102	1542 15
	7000	102	1543 15
	8000	127/102	1544 15

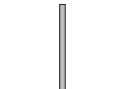


	h off-ground	ø pole	code colour
with plate	6000	159/102	1597 15
	7000	159/102	1598 15
	8000	159/102	1599 15

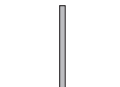


cylindrical poles for pole-top installation of 1/2 optical assemblies

	h off-ground	ø pole	ø shank	code colour
buried	5000	102		1205 15
	6000	102	76	1518 15
	7000	120	102	1519 15
	8000	120	102	1520 15



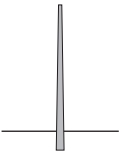
	h off-ground	ø pole	ø shank	code colour
with plate	5000	102		1344 15
	6000	120	102	1521 15
	7000	120	102	1522 15
	8000	120	102	1523 15



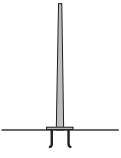
The technical specifications of the poles are presented on page 457.
Fixing plate with anchor bolts to be ordered separately (page 465).

conical poles for pole-top installation of 1 optical assembly

	h off-ground	ø pole	code colour
buried	4000	106-60	1275 15
	7000	138-60	1281 15
	9000	158-60	1282 15

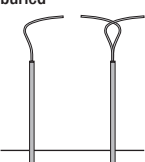


	h off-ground	ø pole	code colour
with plate	4000	100-60	1278 15
	7000	130-60	1283 15
	9000	150-60	1284 15

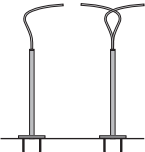


shaped poles

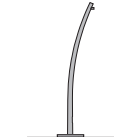
	h off-ground	ø pole	ø lateral attachment	code colour
buried	with single arm			
	6700	160	76	1511 74
	8700	160	76	1515 74
	with double arm			
6700	160	76	1585 74	
8700	160	76	1588 74	



	h off-ground	ø pole	ø lateral attachment	code colour
with plate	with single arm			
	6700	160	76	1566 74
	8700	160	76	1570 74
	with double arm			
6700	160	76	1909 74	
8700	160	76	1910 74	




	h off-ground	ø pole	ø lateral attachment	code colour
curved conical	6000	147 max	60	1506 15
	6000	147 max	60	* 1508 15
	8000	172 max	60	1507 15
	8000	172 max	60	* 1509 15



* Versions with intermediate attachment

accessory for curved conical poles

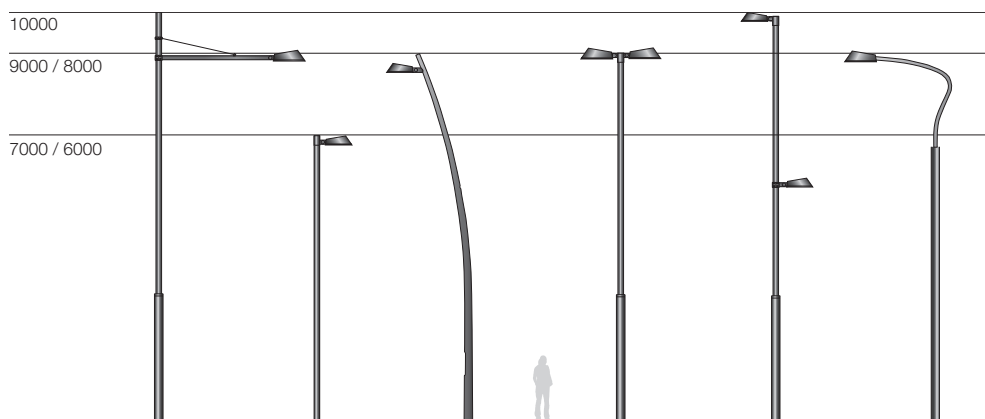
	code colour
decorative point with LED	LED Blue BZC5 01
	LED Neutral white BZC6 01





Lavinia System

design Massimiliano & Doriana Fuksas



Paseo de Ronda
Lérida, Spain
Architectural project:
BR29 Arquitectes
Engineering: Sinagro Enginyeria
Owner: Ayuntamiento
de Lérida, Tomás Ferré -
Servei d'Electricitat
Photo: Luz y Arquitectura,
Gala Martínez



333x617

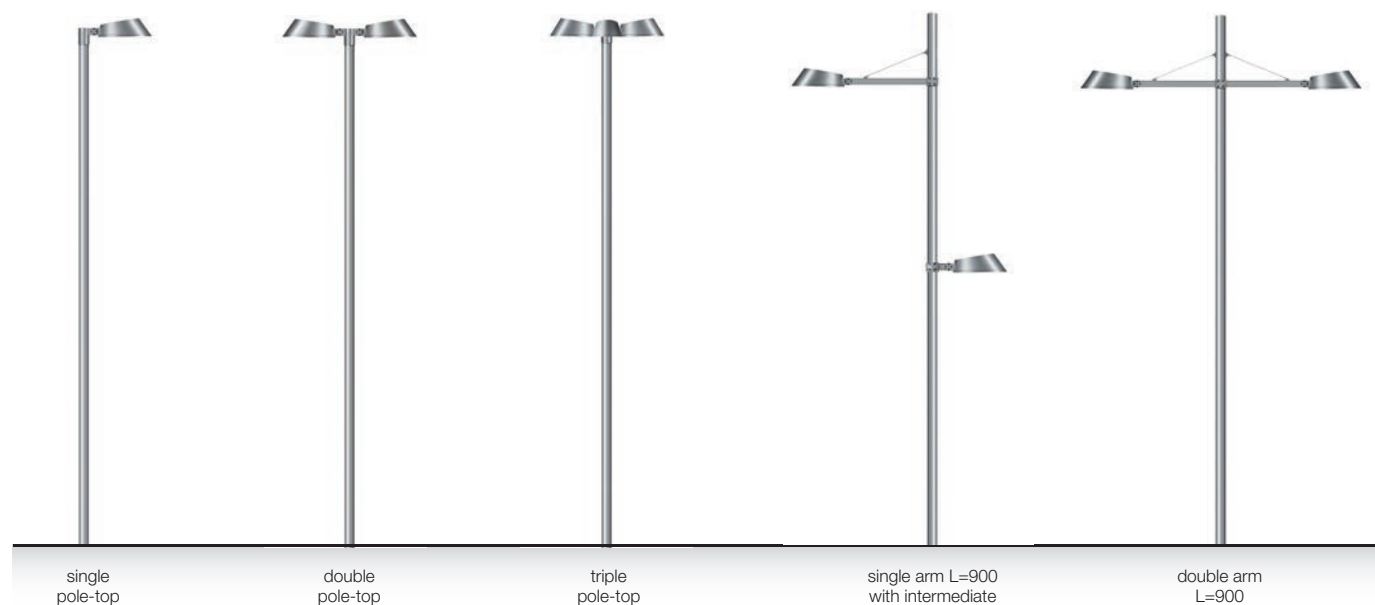


406x732

Lavinia System

Compositions

Pole-top



Arms

Shaped poles



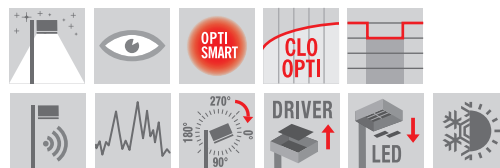
Lavinia System

Features



- Street lighting system for use with LEDs, metal halide and sodium discharge lamps.
- Pole or wall-mounted installation.
- Fitting has an optical assembly, pole, arm (single or double), and pole-top (with a single, double, or triple attachment).
- Die-cast aluminium optical assembly and frame; frame secured with captive screws; tempered sodiumcalcium sealing glass, thickness 4 mm; internal retention cables made of galvanized steel; 99.9% superpure aluminium reflector; porcelain lamp-holder secured with anodized aluminium supports; anti-loosening device of the lamp.
- Aluminium pole-top and arms.
- Die-cast aluminium lateral attachment for tapered poles with diameter from 46 to 76 mm.
- No upward emission of the light flow.
- Adjustable optical assembly.
- High visual comfort.
- High performance optics (Opti Smart) and uniform light distribution.
- No photobiological risk. This luminaire is in the "Exempt Group" (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.

- The luminaire has luminous flux emission fully programmable directly from the product driver.
- The driver allows the use of 3 fixed profiles (1/2/3) and one variable profile (4) for different output lumen levels and different powers.
 - Profile 1 fixed** to 375mA
 - Profile 2 fixed** to 450mA
 - Profile 3 fixed** to 525mA
 - Profile 4 variable** to 350mA
- Compatibility with Telemangement systems thanks to "Power Supply", dual-operation Flux regulator and "LED Driver DALI" (0-10V/1-10V) compatible with the systems on the market.
- Common mode surge protection up to 10KV.
- An active control system modifies the current intensity to preserve the luminous efficacy and the lifetime of the LEDs under any ambient temperature conditions.
- Replaceable LED unit.
- Replaceable driver unit and control gear.
- All external screws are in stainless steel.



on request versions:

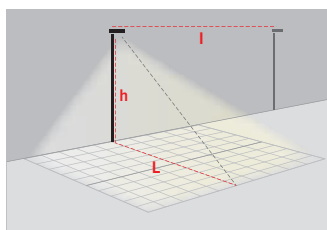


Hinge opening with two captive screws for small body

Decompression valve for small body

Groove allowing water to run off

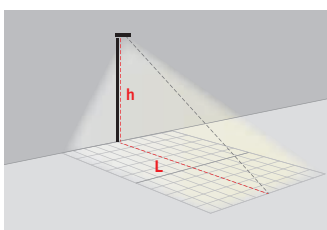
Optics



$d = L/h$
h = Installation height
L = Width of area to be lit
l = Spacing between poles

ST - Road optics

 	ST1 $l = 4h / d = 1$ Glare Index: G4	HIT-DE-CE HST-DE 	$l = 3,7h / d = 0,85$	HIT-CE 	$l = 3,7h / d = 0,85$
	ST1.2 $l = 4h / d = 1,2$ Glare Index: G4	HST HIT-CE 	$l = 3,7h / d = 0,9$	HIT HST 	$l = 3,7h / d = 0,9$
	ST1C $l = 3,7h / d = 1$ Glare Index: G6	HIT-CE 	$l = 3,7h / d = 0,9$		



A - Asymmetric optics

 	A60 $h = 7 / d = 2$	HIT-DE-CE HST-DE 	$h = 6 / d = 2$	HST HIT-CE 	$h = 8 / d = 2$
	A45C $h = 7 / d = 1,6$	HIT-CE 	$h = 6 / d = 2$	HIT-DE HST-DE 	$h = 6 / d = 2$



LED

Energy saving

• **LED Single Chip**

• Colour stability
Mac Adam <4

• Life 73000 h **L90**
Profile 1

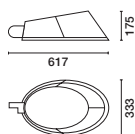
• Life 60000 h **L90**
Profile 1

• Life 50000 h **L90**
Profile 1

• Color temperature:
Neutral white **4000K**
Warm white **3000K**

lumen lm	LED	HIT/HST 		HME 	
3180	30W	83W	64%	92W	68%
5700	53W	117W	55%	150W	65%
7410	67W	170W	60%	275W	75%

(4000K) LED energy saving compared with traditional lamps
The system life is calculated at Ambient Temperature (Ta) 25°C

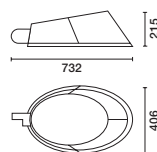


light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code	colour
LED	Multipower with midnight recognition					
Neutral white - ST1 optic						
30W	42W	3200	4200	BL95	15	
53W	63W	5720	6670	BL96	15	
Neutral white - ST1.2 optic						
38W	51W	4140	5260	BL97	15	
60W	71W	6600	7540	BL98	15	
Neutral white - ST1C optic						
37W	51W	3770	4960	BL99	15	
58W	69W	6020	6980	BM00	15	
Neutral white - A60 optic						
58W	69W	6310	7320	BM01	15	
Neutral white - A45C optic						
58W	69W	5870	6810	BM02	15	

Available warm white versions.
Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software). The BL96-BL98-BM00-BM01-BM02 codes can be used only with the Profiles 1-2-4 and at a maximum environment temperature of 25°C. The BL97-BL99 codes can be used with the Profiles 1-4 at a maximum environment temperature of 40°C and with the Profiles 2-3 at a maximum environment temperature of 25°C.

HIT-DE-CE (Rx7s) 	ST optic	70W	*B413	15	
HST-DE (Rx7s) 	150W	B415 15			
	A optic	70W	*B425	15	
		150W	B427	15	
* Version with electronic power supply available on request					
HST (E27) 	ST optic	70W	B414 15		
HIT-CE (E27) 	A optic	70W	B426 15		
HIT-CE (G12) 	ST optic	250W	B416 15		
	A optic	250W	B428 15		

The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1) and to the profile with maximum output flux (Profile 3). The values of other profiles can be consulted in the online catalogue: "http://products.iguzzini.com".



light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code	colour
LED	Multipower with midnight recognition					
Neutral white - ST1 optic						
67W	80W	7410	8520	BM17	15	
79W	95W	8520	10150	BP74	15	
Neutral white - ST1.2 optic						
81W	97W	9000	10310	BM18	15	
81W	97W	8480	9720	BM24	15	
Neutral white - A60 optic						
85W	102W	9380	10800	BM25	15	
Neutral white - A45C optic						
85W	102W	8730	10050	BM26	15	

Available warm white versions.
Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software). Can be used only with the Profiles 1-2-4 and at a maximum environment temperature of 25°C

HST (E40) 	ST optic	100W	B411 15		
HIT-CE (E40) 		150W	B412 15		
HIT (Osram) (E40) 	ST optic	250W	B213 15		
HST (E40) 	ST optic	250W	B214 15		
HIT-DE (Fc2) 	A optic	250W	B217 15		
HST-DE (Fc2) 					

accessories

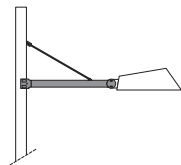


USB pen profiler **BZX1** 04
Complete with cable and battery for LED versions

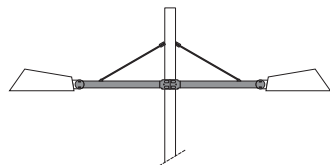
Lavinia System

installation with arms on cylindrical poles

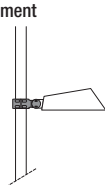
	length	ø pole	code colour
single	900	102	B437 15
	900	120	B440 15
	1500	102	B438 15
	1500	120	B441 15



double	1800	102	B443 15
	1800	120	B446 15
	3000	102	B444 15
	3000	120	B447 15



intermediate attachment	102	B459 15
	120	B460 15

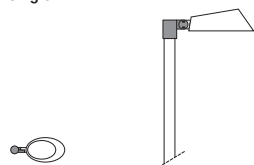


The arms can be installed on iGuzzini poles only

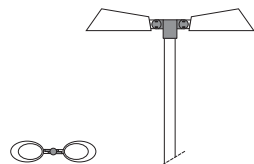


pole-top installation

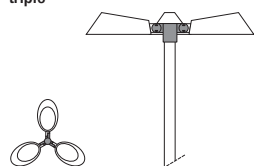
	ø pole attachment	code colour
single	60	BZG3 15
	76	BZG4 15
	102	B450 15
	120	B220 15



double	60	BZG5 15
	76	BZG6 15
	102	B451 15
	120	B221 15



triple	102	*B452 15
	120	B222 15



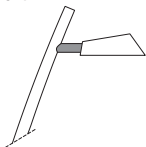
* To be used with terminal block code 1865 (refer to the instructions sheet)



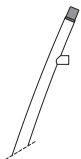
Lavinia System

installation on shaped poles

	Ø lateral attachment	code colour
lateral attachment	from Ø 46 to Ø 76 mm	BZC8 15



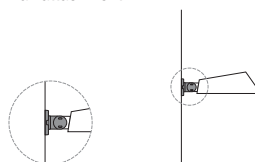
decorative point with LED	LED Blue	BZC5 01
	LED Neutral white	BZC6 01



For curved conical poles

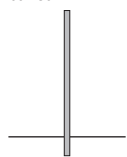
wall-mounted installation

wall attachment	B223 15
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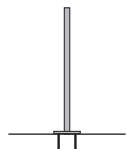


cylindrical poles

	h off-ground	Ø pole	code colour
buried	6000	102	1542 15
	8000	102	1543 15
	8000	127/102	1544 15
	9000	194/120	1545 15
	10000	194/120	1546 15
	12000	194/120	1552 15



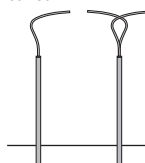
with plate	6000	159/102	1597 15
	7000	159/102	1598 15
	8000	159/102	1599 15
	9000	194/120	1547 15
	10000	194/120	1548 15
	12000	194/120	1554 15



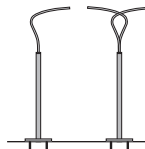
The technical specifications of the poles are presented on page 457. Fixing plate with anchor bolts to be ordered separately (page 465).

shaped poles

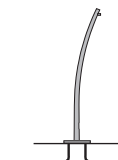
	h off-ground	Ø pole	Ø lateral attachment	code colour
buried	with single arm			
	6700	160	76	1511 74
	8700	160	76	1515 74
	with double arm			
	6700	160	76	1585 74
	8700	160	76	1588 74



with plate	with single arm			
	6700	160	76	1566 74
	8700	160	76	1570 74
	with double arm			
	6700	160	76	1909 74
	8700	160	76	1910 74



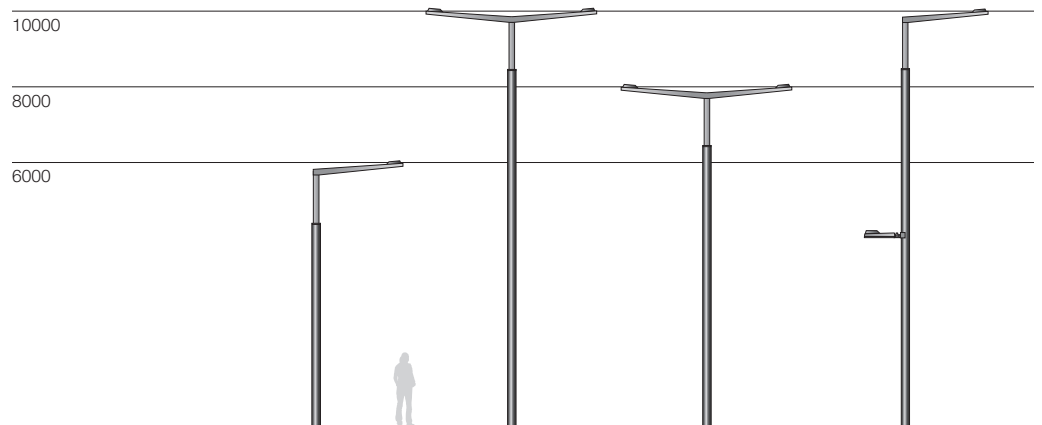
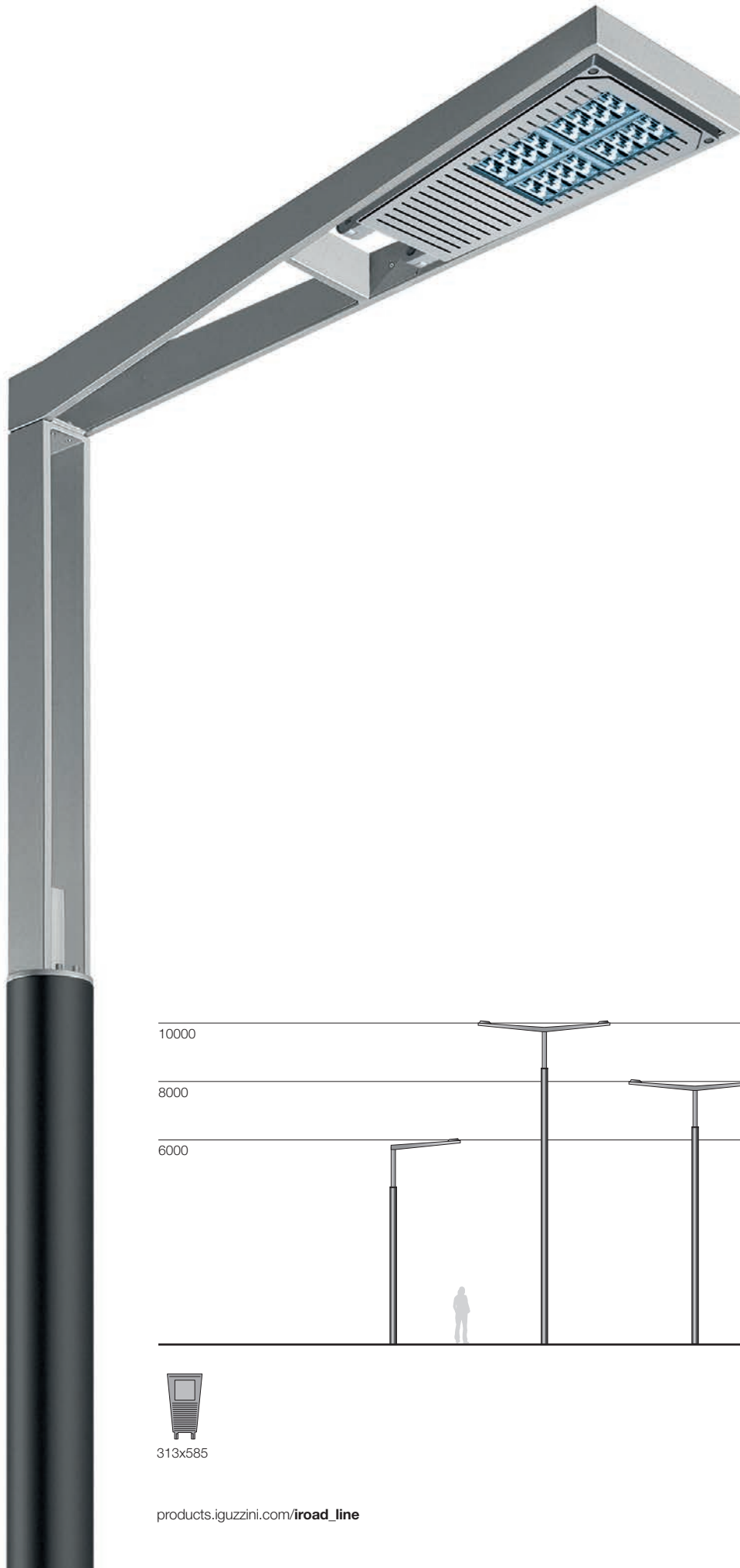
curved conical	6000	147 max	60	1506 15
	6000	147 max	60	*1508 15
	8000	172 max	60	1507 15
	8000	172 max	60	*1509 15



Versions with intermediate attachment



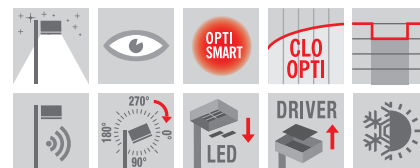
iRoad
design Jean Michel Wilmotte



313x585

Features

- Street lighting system for use with LEDs, metal halide and sodium discharge lamps.
- Pole or wall-mounted installation.
- Fitting has an optical assembly, pole, overhanging arm (single or double), intermediate arm, and wall-mounted attachment.
- Die-cast aluminium optical assembly and frame; sodium-calcium tempered sealing glass with customized silk-screening; 99.95% superpure aluminium reflector; porcelain lamp holder secured with anodized aluminium supports and cables with quick-connecting terminals; anti-loosening device of the lamp.
- Disconnecting switch and fuse on request.
- Pole is equipped with a single or a double arm. To be ordered separately.
- Arms for wall-mounting, or for intermediate installation on poles with D=159 mm, made of die-cast aluminium and galvanized steel sheet.
- No upward emission of the light flow.
- Adjustable optical assembly.
- High visual comfort.
- High performance optics (Opti Smart) and uniform light distribution.
- No photobiological risk. This luminaire is in the "Exempt Group" (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.
- The luminaire has luminous flux emission fully programmable directly from the product driver.
- The driver allows the use of 3 fixed profiles (1/2/3) and one variable profile (4) for different output lumen levels and different powers.
 - Profile 1 fixed** to 375mA
 - Profile 2 fixed** to 450mA
 - Profile 3 fixed** to 525mA
 - Profile 4 variable** to 350mA
- Compatibility with Telemangement systems thanks to "Power Supply", dual-operation Flux regulator and "LED Driver DALI" (0-10V/1-10V) compatible with the systems on the market.
- An active control system modifies the current intensity to preserve the luminous efficacy and the lifetime of the LEDs under any ambient temperature conditions.
- Replaceable LED unit.
- All screws are A2 stainless steel.



on request versions:



Optical assembly opens easily

Removable plate

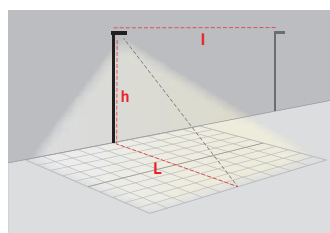
Decompression valve

Optic with silk-screened glass

Disconnecting switch and fuse on request

Two entries for cables

Optics



d= L/h
 h= Installation height
 L= Width of area to be lit
 I = Spacing between poles

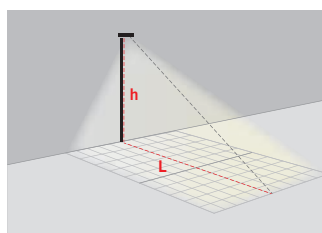
ST - Road optics



ST1
 $l = 4h / d = 1$
Glare Index: G4

ST1.2
 $l = 4h / d = 1,2$
Glare Index: G4

ST1C
 $l = 3,7h / d = 1$
Glare Index: G6



d= L/h
 h= Installation height
 L= Width of area to be lit

A - Asymmetric optics



A60
 $h = 7 / d = 2$

A45C
 $h = 7 / d = 1,6$



LED

Energy saving

- LED Single Chip
- Colour stability
Mac Adam <4

- Life 80000 h **L90**
Profile 1

- Life 55000 h **L90**
Profile 2

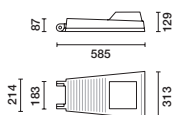
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

lumen lm	LED	HIT/HST 		HME 	
3210	30W	83W	63%	92W	68%
5710	52W	117W	55%	150W	65%

(4000K) LED energy saving compared with traditional lamps
The system life is calculated at Ambient Temperature (Ta) 25°C

accessories

light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code colour
LED Multipower with midnight recognition					
Neutral white - ST1 optic					
30W	42W	3210	4240	BM03	15
	52W		5710	BM04	15
Neutral white - ST1.2 optic					
38W	51W	4140	5280	BM05	15
59W	51W	6570	4970	BM06	15
Neutral white - ST1C optic					
37W	51W	3780	4970	BM07	15
	59W		6570	BM08	15
Neutral white - A60 optic					
	57W		6290	BM09	15
Neutral white - A45C optic					
	57W		5850	BM10	15



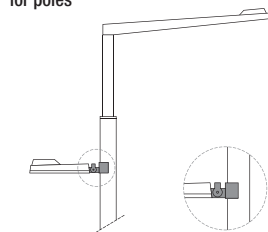
Available warm white versions.
Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).
The BM04-BM06-BM08-BM09-BM10 codes can be used only with the Profiles 1-4 and at a maximum environment temperature of 40°C.

	code	colour
USB pen profiler Complete with cable and battery	BZX1	04

The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1) and to the profile with maximum output flux (Profile 3).
The values of other profiles can be consulted in the online catalogue: "http://products.iguzzini.com".

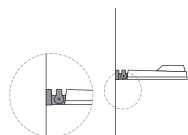
installation on shaped poles

	code colour
intermediate attachment for poles	1128 15



Suitable for installation on all poles ø 160 mm

	code colour
wall attachment	1129 15



shaped poles

	h off-ground	ø pole	code colour
buried	with single arm		
	6000	160	1530 74
	8000	160	1531 74
with double arm	6000	160	1532 74
	8000	160	1536 74
	10000	160	1537 74
with plate	6000	160	1538 74
	8000	160	1539 74
	10000	160	1540 74
with double arm	6000	160	1541 74
	8000	160	1542 74
	10000	160	1543 74

The technical specifications of the poles are presented on page 457.
Fixing plate with anchor bolts to be ordered separately (page 465).

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.





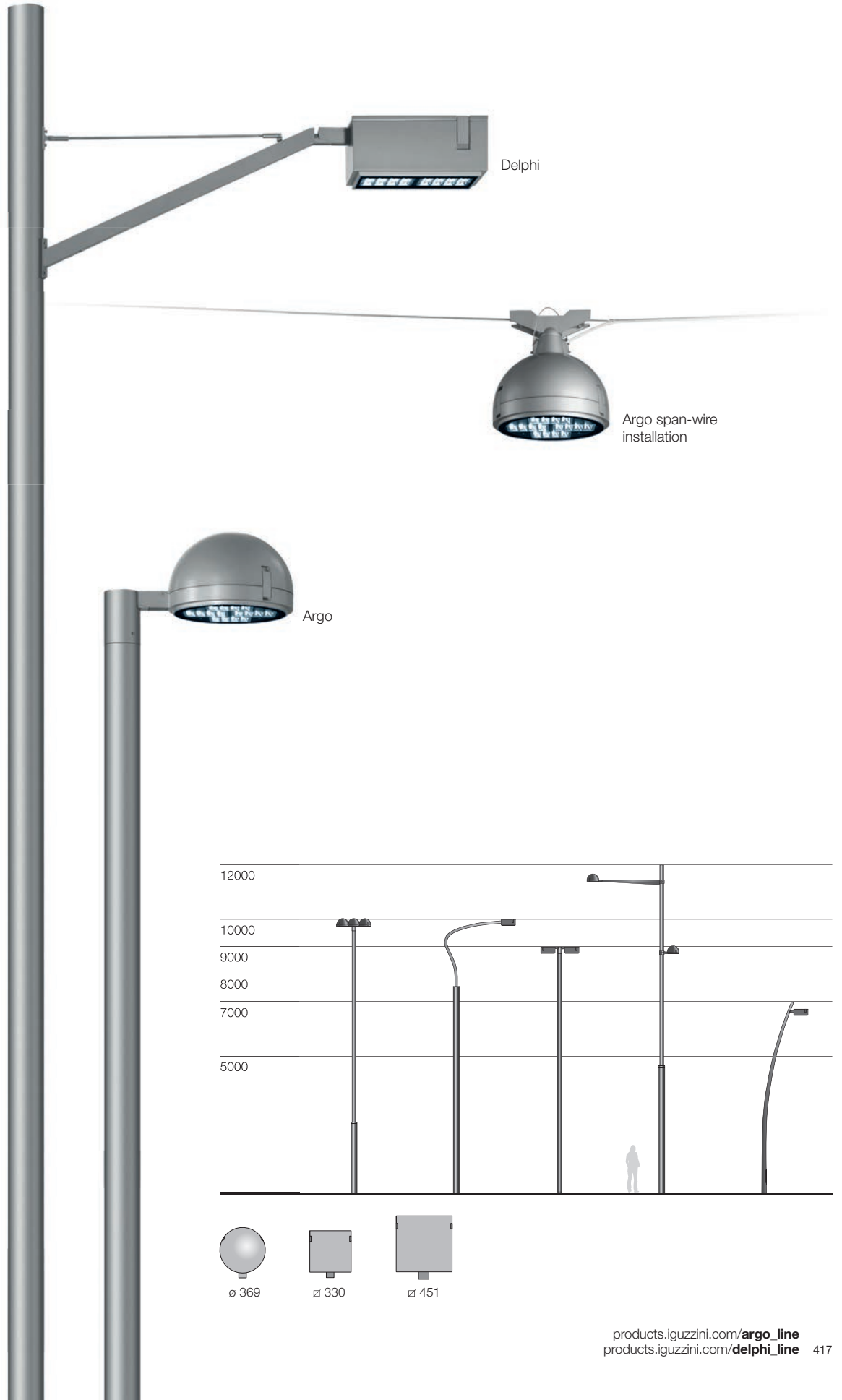
10

ONE WAY
↑

BELLE

WORK
PARK ONLY

Argo and Delphi



Bay View Terrace
Claremont, Australia
Redevelopment project:
AECOM Australia Pty Ltd
Lighting project:
Mervin van der Linde
Photo: Ron Tan

Argo and Delphi

Compositions

Pole-top



Linear arms

Shaped poles

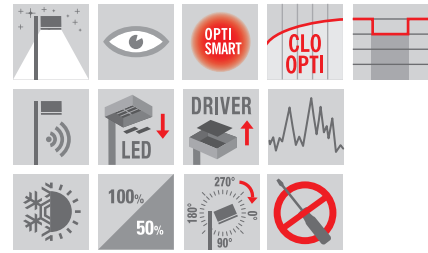


Features



- Street lighting system for use with LEDs, metal halide, sodium discharge and fluorescent lamps.
- Pole or wall-mounted installation.
- Fitting has an optical assembly, pole, arm (single or double) and pole-top.
- Die-cast aluminium optical assembly and lid; sodium-calcium tempered sealing glass, thickness 5 mm; 50 Shore black silicone gasket; polished anodized reflector made of 99.93% superpure aluminium.
- Die-cast aluminium pole-top with single and double attachment for poles \varnothing 60, 76, 102, 120 mm, triple \varnothing 102, 120 mm.
- Die-cast aluminium lateral attachment for tapered poles with diameter from 46 to 76 mm.
- No upward emission of the light flow.
- Adjustable optical assembly.
- High visual comfort.
- High performance optics (Opti Smart) and uniform light distribution.
- No photobiological risk. This luminaire is in the "Exempt Group" (no risk linked to infrared, blue light and UV radiation) in accordance with EN 62471:2008.

- The luminaire has luminous flux emission fully programmable directly from the product driver.
- The driver allows the use of 3 fixed profiles (1/2/3) and one variable profile (4) for different output lumen levels and different powers.
 - Profile 1 fixed** to 375mA
 - Profile 2 fixed** to 450mA
 - Profile 3 fixed** to 525mA
 - Profile 4 variable** to 350mA
- Compatibility with Telemangement systems thanks to "Power Supply", dual-operation Flux regulator and "LED Driver DALI" (0-10V/1-10V) compatible with the systems on the market.
- Die-cast aluminium lateral attachment for tapered poles with diameter from 46 to 76 mm.
- An active control system modifies the current intensity to preserve the luminous efficacy and the lifetime of the LEDs under any ambient temperature conditions.
- Replaceable driver unit and control gear.
- All external screws are in stainless steel.



on request versions:



Tool-free optical assembly opening

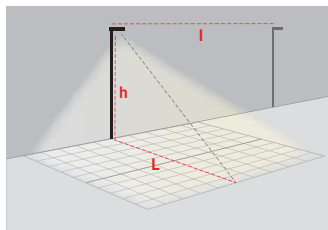


Automatic door lock



Disconnecting switch

Optics



d= L/h
h= Installation height
L= Width of area to be lit
I= Spacing between poles

ST - Road optics

LED

OPTI SMART

ST1
 $I = 4h / d = 1$
 Glare Index: G4

ST1.2
 $I = 4h / d = 1,2$
 Glare Index: G4

ST1C
 $I = 3,7h / d = 1$
 Glare Index: G6

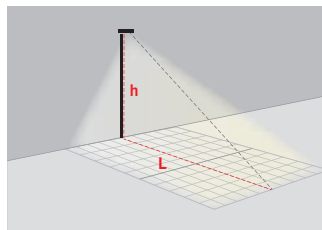
HST $I = 3,7h / d = 0,9$

HIT-CE



HIT-DE-CE $I = 3,7h / d = 0,85$

HST-DE



d= L/h
h= Installation height
L= Width of area to be lit

A - Asymmetric optics

LED

OPTI SMART

A60
 $h = 7 / d = 2$

A45C
 $h = 7 / d = 1,6$

HIT-DE-CE $h = 6 / d = 2$

HST-DE



HST $h = 8 / d = 2$

HIT-CE





LED

Energy saving

• LED Single Chip

- Colour stability
Mac Adam <4

- Life 76000 h **L90**
Profile 1

- Life 66000 h **L90**
Profile 1

- Life 66000 h **L90**
Profile 1

- Color temperature:
Neutral white **4000K**
Warm white **3000K**

lumen lm	LED	HIT/HST 		HME 	
3210	30W	83W	63%	92W	68%
5730	53W	117W	55%	150W	65%
7420	68W	170W	60%	275W	75%

(4000K) LED energy saving compared with traditional lamps
The system life is calculated at Ambient Temperature (Ta) 25°C

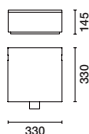
accessories

light source	W* _{min}	W* _{max}	lm _{min}	lm _{max}	code	colour
LED Multipower with midnight recognition						
Neutral white - ST1 optic						
30 W	42 W	3210	4220	BL86	04-15	
53 W	71 W	5730	7350	BL87	04-15	
Neutral white - ST1.2 optic						
38 W	51 W	4140	5270	BL88	04-15	
64 W	60 W	6300	6610	BL89	04-15	
Neutral white - ST0.8C optic						
30 W	42 W	2980	3930	BL90	04-15	
Neutral white - ST1C optic						
37 W	51 W	3780	4970	BL91	04-15	
58 W	81 W	6030	7890	BL92	04-15	
Neutral white - A60 optic						
58 W	81 W	6320	8280	BL93	04-15	
Neutral white - A45C optic						
58 W	81 W	5880	7700	BL94	04-15	
Available warm white versions. Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software) The BL87-BL89-BL92-BL93-BL94 codes can be used with the Profiles 1-4 at a maximum environment temperature of 40°C and with the Profiles 2-3 at a maximum environment temperature of 25°C. The BL88-BL91 codes can be used with the Profiles 1-2-4 at a maximum environment temperature of 40°C and with the Profile 3 at a maximum environment temperature of 25°C.						
Multipower bi-energy with pilot cable						
Neutral white - ST1 optic						
19 W		1630		BU05	04-15	
Available warm white versions.						
DALI Multipower						
Neutral white - ST1 optic						
19 W		1630		BP73	04-15	
Available warm white versions.						
HST (E27/E40) 	ST optic					
	50 W			BD86	04-15	
	70 W			BC82	04-15	
HIT-CE (E27/E40) 	100 W			BC83	04-15	
HIT-DE-CE (Rx7s) 	C optic					
	70 W			BC89	04-15	
HST-DE (Rx7s) 	A optic					
	70 W			BC90	04-15	
	150 W			BC91	04-15	

	code	colour
Polycarbonate screen IK10	BZ43	24 for BC82-BC89-BC90-BD86 BL86-BL87-BL88-BL89-BL90 BL91-BL92-BL93-BL94
USB pen profiler Complete with cable and battery	BZX1	04 for LED version



The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1) and to the profile with maximum output flux (Profile 3). The values of other profiles can be consulted in the online catalogue: "<http://products.iguzzini.com>".



light source **W*_{min}** **W*_{max}** **lm_{min}** **lm_{max}** **code colour**

LED

Multipower with midnight recognition

Neutral white - ST1 optic					
30W	42W	3210	4240	BL77 04-15	
53W	72W	5730	7370	BL78 04-15	

Neutral white - ST1.2 optic					
38W	51W	4140	5290	BL79 04-15	
60W	81W	6610	8410	BL80 04-15	

Neutral white - ST0.8C optic					
30W	41W	2990	3940	BL81 04-15	

Neutral white - ST1C optic					
37W	51W	3780	4980	BL82 04-15	
58W	81W	6030	7920	BL83 04-15	

Neutral white - A60 optic					
58W	81W	6330	8310	BL84 04-15	

Neutral white - A45C optic					
58W	81W	5890	7730	BL85 04-15	

Available warm white versions.
Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software)
The BL78-BL80-BL83-BL84-BL85 codes can be used only with the Profiles 1-4 and at a maximum environment temperature of 40°C and with the Profiles 2-3 at a maximum environment temperature of 25°C. The BL79-BL82 can be used only with the Profiles 1-2-4 at a maximum environment temperature of 40°C and with the Profile 3 at a maximum environment temperature of 25°C.

Multipower bi-energy with pilot cable

Neutral white - ST1 optic					
17W	22W	1640	2150	BU03 04-15	

Available warm white versions

DALI Multipower

Neutral white - ST1 optic					
17W	22W	1640	2150	BP72 04-15	

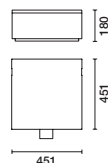
Available warm white versions

HST (E27/E40)	ST optic				
	50W			BD85	04-15
HIT-CE (E27/E40)	70W			BC57	04-15
	100W			BC58	04-15

HIT-DE-CE (Rx7s)	ST optic				
	150W			BC60	04-15

HST-DE (Rx7s)	C optic				
	70W			BC64	04-15

A optic					
70W				BC65	04-15
150W				BC66	04-15



light source **W*_{min}** **W*_{max}** **lm_{min}** **lm_{max}** **code colour**

LED

Multipower with midnight recognition

Neutral white - ST1 optic					
68W	91W	7420	9390	BM11 04-15	
80W	96W	8860	10230	BM12 04-15	

Neutral white - ST1.2 optic					
80W	94W	8860	10150	BM13 04-15	

Neutral white - ST1C optic					
79W	94W	8260	9560	BM14 04-15	

Neutral white - A60 optic					
85W	103W	9440	10920	BM15 04-15	

Neutral white - A45C optic					
85W	103W	8780	10150	BM16 04-15	

Available warm white versions.
Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software)
Can be used only with Profiles 1-2-4 and at a maximum environment temperature of 25°C. The BM11 code can also use the Profile 3.

HST (E40)	150W	ST		BF19	04-15
	250W	ST		BF20	04-15
HIT-CE (E40)	150W	A		BF23	04-15
	250W	A		BF24	04-15

The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1) and to the profile with maximum output flux (Profile 3). The values of other profiles can be consulted in the online catalogue: "http://products.iguzzini.com".

accessories

	code	colour
Polycarbonate screen IK10	BZ41	24 for BC57-BC64-BC65-BD85 BL77-BL78-BL79-BL80-BL81 BL82-BL83-BL84-BL85
USB pen profiler Complete with cable and battery	BZX1	04 for LED version

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

Argo and Delphi

pole-top installation on cylindrical poles

	\varnothing pole attachment	code colour
single	60	BD13 04-15
	76	BD15 04-15
	102	BD17 04-15
	120	6120 04-15
double	60	BD14 04-15
	76	BD16 04-15
	102	BD18 04-15
	120	6121 04-15
triple	102	BD19 04-15
	120	6122 04-15



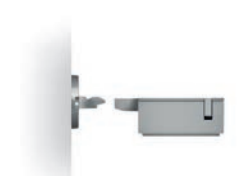
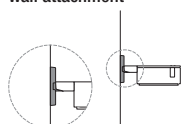
installation with arms on cylindrical poles

	length	\varnothing pole	code colour
linear	900	102	BZ44 04-15
	900	120	6130 04-15
	1500	102	BZ45 04-15
	1500	120	6131 04-15
	The counter flange must be ordered, to secure the arm to the pole.		
counter flange		102	BZ46 04-15
		120	6132 04-15
	To be ordered to secure the linear arm without tie rod to the pole. Not required when installing two opposite arms.		
tilted with tie rod	900	102	BZ48 04-15
	1500	102	6135 04-15
	Can be used only with Argo and Delphi small body.		
intermediate attachment		102	BD21 04-15
		120	6123 04-15

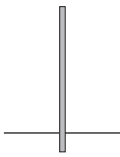
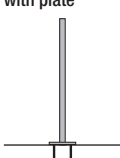


wall-mounted installation

	code colour
wall attachment	BD20 04-15

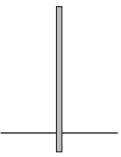
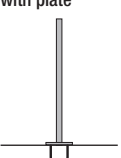


cylindrical poles for pole-top installation of 1/2 optical assemblies

	h off-ground	ø pole	ø shank	code colour
	3500	102		* 1203 04-15
	5000	102		1205 04-15
	5000	120		1291 15
	6000	102	76	1518 04-15
	7000	120	102	1519 04-15
	8000	120	102	1520 04-15
	9000	120		1274 15
	9000	194/120		1545 04-15
	10000	194/120		1546 04-15
	12000	194/120		1552 04-15
	5000	102		1344 04-15
	5000	120		1292 15
	6000	120		1521 04-15
	7000	120	102	1522 04-15
	8000	120	102	1523 04-15
	9000	194/120		1547 04-15
	10000	194/120		1548 04-15
	12000	194/120		1554 04-15

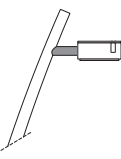

* Not for use in the installation of the large optical assembly

cylindrical poles for pole-top installation of 3 optical assemblies or for arms

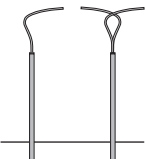
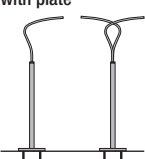

	h off-ground	ø pole	code colour	
	5000	120	1291 15	
	6000	102	1542 04-15	
	7000	102	1543 04-15	
	8000	127/102	1544 04-15	
	9000	194/120	1545 04-15	
	10000	194/120	1546 04-15	
	12000	194/120	1552 04-15	
		6000	159/102	1597 04-15
		7000	159/102	1598 04-15
		8000	159/102	1599 04-15
9000		194/120	1547 04-15	
10000		194/120	1548 04-15	
12000		194/120	1554 04-15	

The technical specifications of the poles are presented on page 457. Fixing plate with anchor bolts to be ordered separately (page 465).

installation on shaped poles

	ø lateral attachment	code colour
 lateral attachment	from 46 to 76	BZC9 04-15
 decorative point with LED	LED Blue	BZC5 01
	LED Neutral white	BZC6 01
	For curved conical poles	

shaped poles

	h off-ground	ø pole	ø lateral attachment	code colour
	buried			
	with single arm			
	6700	160	76	1511 74
	8700	160	76	1515 74
	with double arm			
	6700	160	76	1585 74
8700	160	76	1588 74	
	with plate			
	with single arm			
	6700	160	76	1566 74
	8700	160	76	1570 74
	with double arm			
	6700	160	76	1909 74
8700	160	76	1910 74	
	curved conical			
	6000	147 max	60	1506 15
	6000	147 max	60	* 1508 15
	8000	172 max	60	1507 15
	8000	172 max	60	* 1509 15

* Versions with intermediate attachment

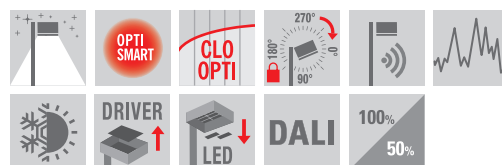
The technical specifications of the poles are presented on page 457. Fixing plate with anchor bolts to be ordered separately (page 465).

Argo span-wire installation



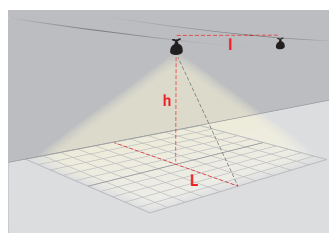
Features

- Street lighting luminaire for use with LEDs.
- Pendant installation.
- Made up of optical assembly and fixing system.
- Die-cast aluminium optical assembly and lid; sodium-calcium tempered sealing glass, thickness 5 mm; polished anodized reflector made of 99.93% superpure aluminium.
- Die-cast aluminium fixing system with anchoring system to AISI 304 stainless steel wire.
- Attached on cables/wires with diameter from 6 to 12 mm.
- Stainless steel anti-fall safety system.
- No upward emission of the light flow.
- Adjustable optical assembly.
- Common mode surge protection up to 10KV.
- Versions with DALI and bi-energy (100% - 50%) control gear.
- Replaceable LED unit.
- Replaceable driver unit and control gear.
- All screws are A2 stainless steel.



Adjustability

Optic

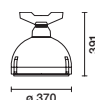


STM1 - Pendant road optic for vehicular traffic

LED



STM1
 $l = 4h / d = 1$
 Glare Index: G4



light source W*_{min} W*_{max} lm_{min} lm_{max} code colour

LED

DALI Multipower

Neutral white - STM1 optic

30W 41W 3270 4300 BU50 15

Multipower bi-energy with pilot cable

Neutral white - STM1 optic

30W 41W 3270 4300 BU52 15

Multipower with midnight recognition

Neutral white - STM1 optic

58W 81W 6400 8380 BU54 15

Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software). Available warm white versions.

The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1) and to the profile with maximum output flux (Profile 3). The values of other profiles can be consulted in the online catalogue: "http://products.iguzzini.com".

code colour

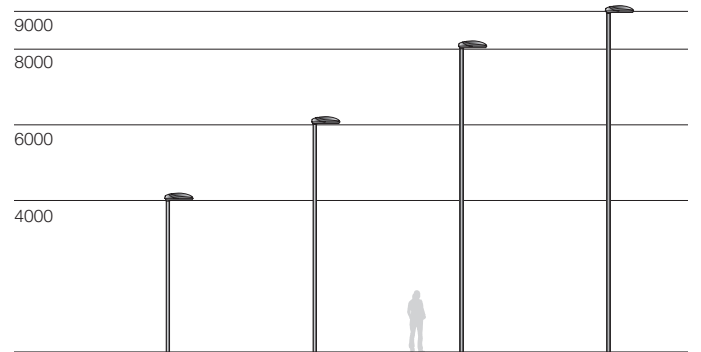
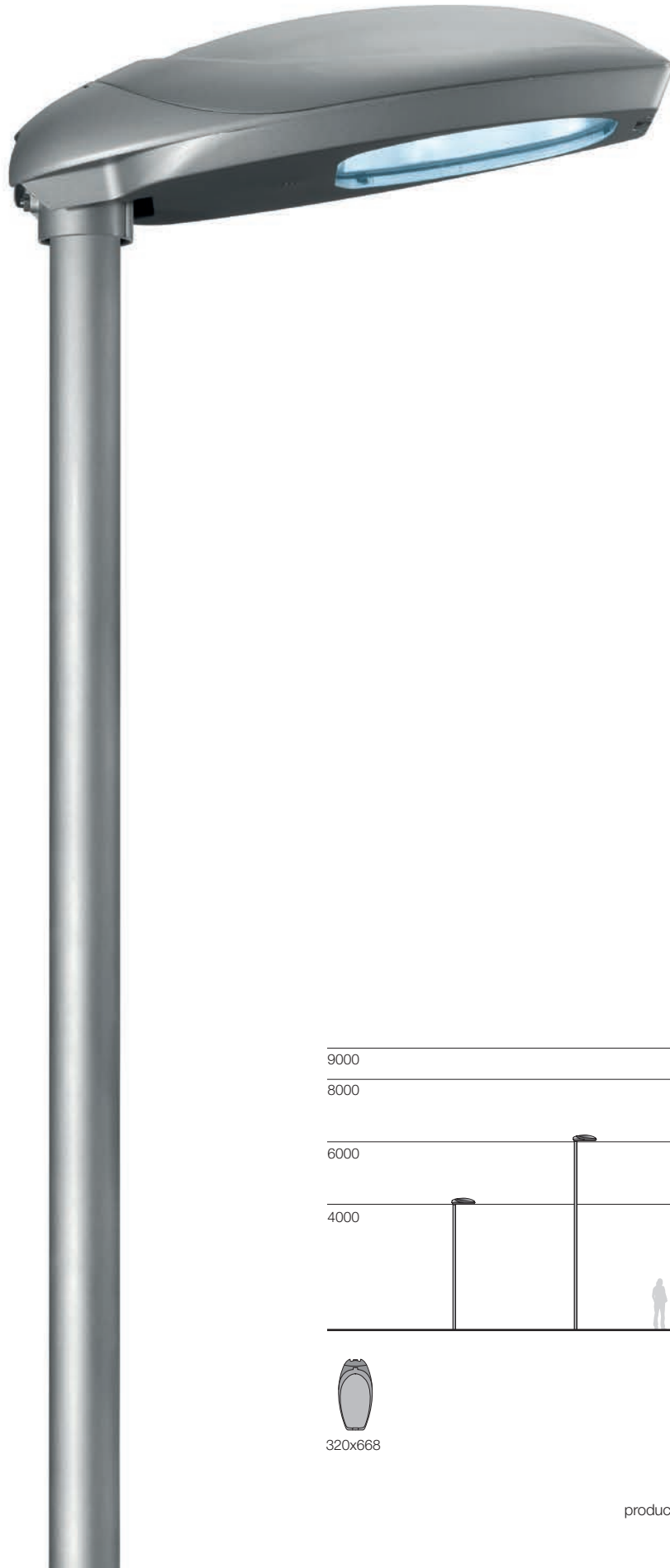


USB pen profiler

Complete with cable and battery

BZX1 04

Street



320x668

Street

Features



- Street lighting systems for use with discharge lamps.
- Die-cast aluminium optical assembly, lid and pole-top integrated with the floodlight; tempered sodium-calcium sealing glass, thickness 5 mm; internal reflector in 99.93% superpure aluminium can be removed without tools; lamp holder with anti-loosening device of the lamp and fitted with longitudinal adjustment of the light source in 7 positions.
- Pole-top installation on poles with ending part of \varnothing 76 mm.
- Versions with bi-energy electromagnetic control gear
- No upward emission of the light flow.
- Adjustable optical assembly.
- All external screws are in stainless steel.



on request versions:



Tool-free optical assembly opening



Automatic door lock



Twilight photocell on request

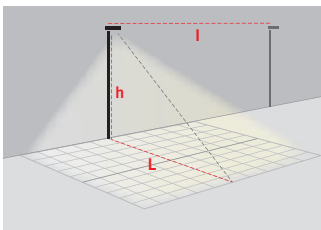


Disconnecting switch



Lamp adjustment

Optic



$d = L/h$
h = Installation height
L = Width of area to be lit
d = Spacing between poles

ST - Road optic

HST



Position 1
 $l = 3,42h$
 $d = 1,1$

Position 2
 $l = 3,7h$
 $d = 1$

Position 3 (default)
 $l = 3,86h$
 $d = 1$


Position 4
 $l = 4,2h$
 $d = 0,97$

Position 5
 $l = 4,28h$
 $d = 0,91$

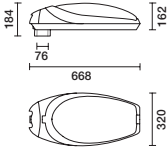
Position 6
 $l = 4,36h$
 $d = 0,81$

Position 7
 $l = 4,4h$
 $d = 0,71$

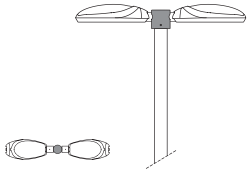
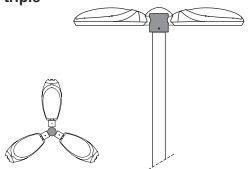
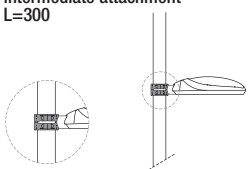
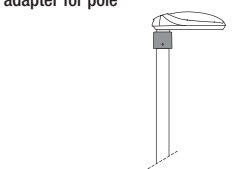


light source	W	optic	code colour
 HST (E27/E40)	Electromagnetic		
	50/70 W	ST	BS80 15
	100/150 W	ST	BS81 15
Bi-energy electromagnetic			
	70/50 W	ST	BS82 15
	150/100 W	ST	BS83 15
	150/100 W	ST	*BG94 15

* No control cable

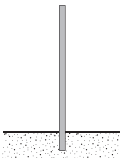



pole-top installation

	∅ pole attachment	code colour
double 	102	6165 15
triple 	102	6166 15
intermediate attachment L=300 	102	6156 15
	120	6159 15
adapter for pole 	from ∅ 102 to ∅ 76	6134 15

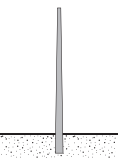
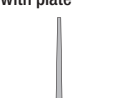


cylindrical poles

	h off-ground	∅ pole	∅ shank	code colour
buried 	5000	102		1205 15
	6000	102	76	1518 15
	7000	120	102	1519 15
	8000	120	102	1520 15
with plate 	5000	102		1344 15
	6000	120	102	1521 15
	7000	120	102	1522 15
	8000	120	102	1523 15

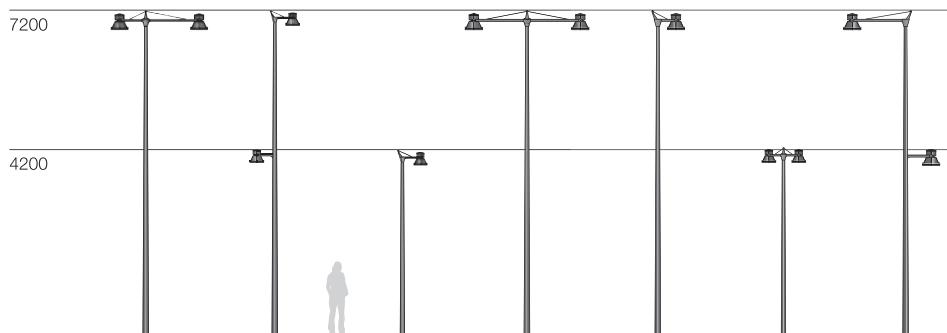
The technical specifications of the poles are presented on page 457. Fixing plate with anchor bolts to be ordered separately (page 465).

conical poles

	h off-ground	∅ pole	code colour
buried 	4000	106-60	1275 15
	7000	138-60	1281 15
	9000	158-60	1282 15
with plate 	4000	100-60	1278 15
	7000	130-60	1283 15
	9000	150-60	1284 15



CityWoody
design Mario Cucinella



MaxiWoody
ø 260



MaxiWoody
ø 315



MaxiWoody
ø 380

Tramway
Zaragoza, Spain
Architectural project:
aldayover arquitectura y paisaje
Photo: José Hevia

Compositions

Arms



single arm
L=500



double arm
L=1000



single arm L=500
with intermediate



wall arm
L=460



single arm
L=1200



double arm
L=2400



single arm L=1200
with intermediate



wall arm
L=600

Features

- Street lighting systems for use with LEDs and discharge lamps.
- Pole or wall-mounted installation.
- Fitting has an optical assembly (MaxiWoody compact, small and medium body floodlight), pole, arm (single or double).
- Optical assembly and frame in aluminium alloy; sodium-calcium tempered sealing glass, thickness 4 mm, secured with captive screws; 50-60 Shore A silicone gasket; superpure aluminium reflector.
- The optical assembly is available in three sizes.
- The support arms are in 70 micron hot galvanized steel and available in different length both in the pole and the wall version; pole fixing with painted aluminium flange, the fixing system does not require any drilling of the pole.
- (Conical) poles are in galvanized steel, available in two different heights: 4 and 7 metres off ground.
- The driver allows the use of 3 fixed profiles (1/2/3) and one variable profile (4) for different output lumen levels and different powers.
 - Profile 1 fixed** to 350mA
 - Profile 2 fixed** to 450mA
 - Profile 3 fixed** to 525mA
 - Profile 4 variable** to 350mA
- No upward emission of the light flow.
- Adjustable optical assembly.
- Luminaire ready for pass-through wiring.
- All screws are A2 stainless steel.



Removable plate and captive screws Decompression valve Slots allowing rainwater to run off

Optics and lamps



F - Flood α from 26° to 39° **WF** - Wide Flood α from 40° to 60° **E** - Elliptical*

* Elliptical optic is obtained by installing the respective accessory.

LED	17 - 30 - 38W
HIT-CE	35 - 70 - 150W
HIT-CE	140W
TC-TEL	26 - 32 - 42W
HIT-DE-CE	70 - 150W
HST-DE	70 - 150W

LED

- **LED Single Chip**
- Colour stability **Mac Adam <4**

- Life 63000 h **L90** Profile 1

- Color temperature:
Neutral white **4000K**
Warm white **3000K**

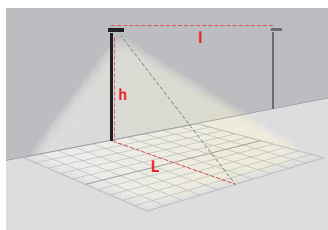
Energy saving

lumen lm	LED	HIT/HST 		HME 	
1540	17W	55W	69%	92W	82%
3200	30W	83W	64%	92W	67%

(4000K) LED energy saving compared with traditional lamps
The system life is calculated at Ambient Temperature (Ta) 25°C



Optics



ST - Road optics

LED

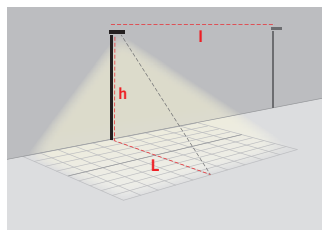


ST1
l = 4h / d = 1
Glare Index: G4

ST1.2
l = 4h / d = 1,2
Glare Index: G4

ST1C
l = 3,7h / d = 1
Glare Index: G6

d = L/h
h = Installation height
L = Width of area to be lit
l = Spacing between poles



AL - Longitudinal Asymmetric optic

HIT-CE l = 5,1h / d = 1,2



d = L/h
h = Installation height
L = Width of area to be lit
l = Spacing between poles



HIT-CE l = 4h / d = 1




HIT-DE-CE l = 3,9 / d = 1
HST-DE



floodlight

	W	light source	optic	code colour
 270 ø 260 296	35 W	HIT-CE (G12)	22°	6137 15
	35 W	HIT-CE (G12)	56°	6138 15
	35 W	HIT-CE (G12)	AL	6139 15
	70 W	HIT-CE (G12)	26°	6141 15
	70 W	HIT-CE (G12)	58°	6142 15
	70 W	HIT-CE (G12)	AL	6143 15
	26/32/42 W	TC-TEL (GX24q-3/4)	58°	6145 15
 319 ø 315	60 W	HIT-CE (PGZ12)	ST	5617 15
	70 W	HIT-CE (G12)	26°	5676 15
	70 W	HIT-CE (G12)	64°	5615 15
	70 W	HIT-DE-CE (Rx7s)	ST	5685 15
			HST-DE (Rx7s)	

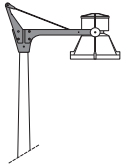
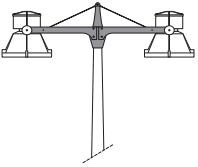
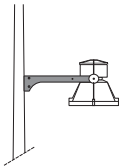
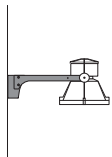
	W	lm	light source	optic	code colour
 382 ø 380	30 W	3200	LED Opti Smart Neutral white	ST1	BV12 15
	38 W	4120	LED Opti Smart Neutral white	ST1.2	BV14 15
	17 W	1540	LED Opti Smart Neutral white DALI	ST1C	BV08 15
	17 W	1540	LED Opti Smart Neutral white bi-energy	ST1C	BV10 15
	140 W		HIT-CE (PGZ12)	ST	5621 15
	150 W		HIT-CE (G12)	44°	5619 15
	150 W		HIT-DE-CE (Rx7s) HST-DE (Rx7s)	ST	5683 15

* Versions with bracket

Available warm white versions

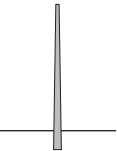
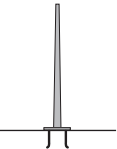
The MaxiWoody floodlights and the relative accessories are presented in the Floodlights section on page 528.

installation with arms

	length	code colour
single pole-top 	460 for compact floodlight	6107 15
	500 for small floodlight	5981 15
	600	5985 15
	1200 for medium floodlight	5987 15
	double pole-top 	920 for compact floodlight
1000 for small floodlight	5982 15	
2400 for medium floodlight	5989 15	
intermediate 	460 for compact floodlight	6109 15
	500 for small floodlight	5983 15
	The intermediate arms can be installed on poles code 1281-1283 (at a height of 4 m off the ground)	
wall-mounted 	460 for compact floodlight	6110 15
	500 for small floodlight	5984 15
	600	5994 15
	for medium floodlight	



conical poles

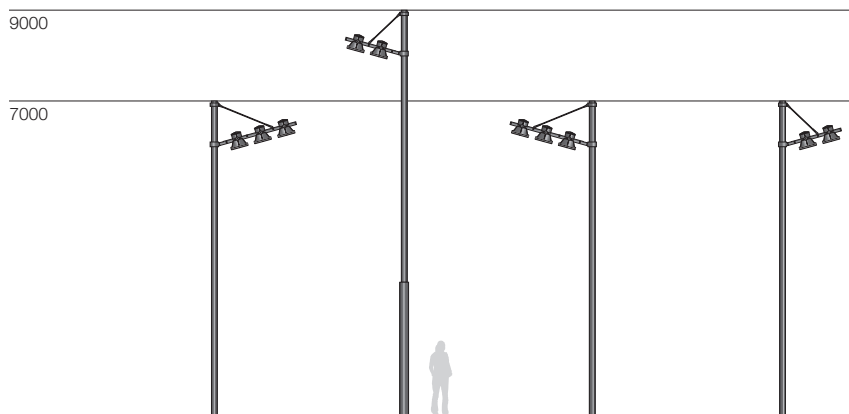
	h off-ground	ø pole	code colour
buried 	4000	106-60	1275 15
	7000	138-60	1281 15
with plate 	4000	100-60	1278 15
	7000	130-60	1283 15

The technical specifications of the poles are presented on page 457. Fixing plate with anchor bolts to be ordered separately (page 465).



FrameWoody

design Mario Cucinella



MaxiWoody
ø 315



MaxiWoody
ø 380

Albany Lakes Civic Park
Auckland, New Zealand
Lighting project: Light Works LTD
Photo: Simon Devitt

FrameWoody

Features



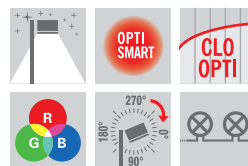
- Street lighting systems for use with LEDs and discharge lamps.
- Pole or wall-mounted installation.
- Fitting has an optical assembly (MaxiWoody small and medium body floodlight), structure (linear or square) and pole.
- Optical assembly and frame in aluminium alloy; sodium-calcium tempered sealing glass, thickness 4 mm, secured with captive screws; 50-60 Shore A silicone gasket; superpure aluminium reflector.
- Made of S235JR UNI 10025 hot galvanized 70 micron steel, with a polyester powder-coating paint surface finish, sustained by stainless steel tie rods hooked to the pole with die-cast aluminium flanges with a phosphorus-chromium plating;

available in a square version to hold floodlights equipped with support and a straight version for floodlights without rods.

- The driver allows the use of 3 fixed profiles (1/2/3) and one variable profile (4) for different output lumen levels and different powers.

Profile 1 fixed to 350mA
Profile 2 fixed to 450mA
Profile 3 fixed to 525mA
Profile 4 variable to 350mA

- No upward emission of the light flow.
- Adjustable optical assembly.
- Luminaire ready for pass-through wiring.
- All screws are A2 stainless steel.



Removable plate and captive screws



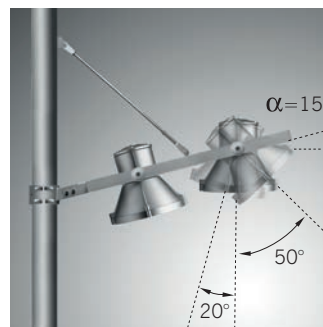
Decompression valve



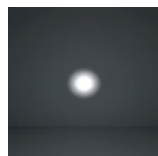
Slots allowing rainwater to run off

Installation and rotation

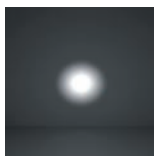
The possibility of combining the structures with poles, optical assemblies and accessories makes for a highly flexible system.



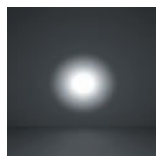
Optics and lamps



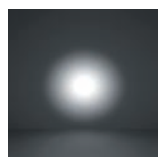
SS - Superspot
α < 8°



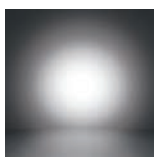
S - Spot
α from 9° to 15°



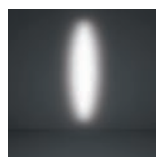
M - Medium
α from 16° to 25°



F - Flood
α from 26° to 39°



VWF - Very Wide Flood



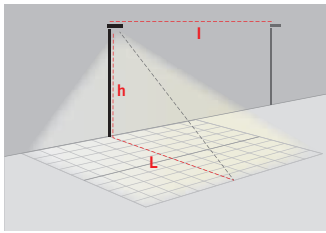
E - Elliptical*

LED	42 - 53W	HIT-CE	70W
HIT-CE	70W	HSE	70W
HIT-CE	60W	HIE-CE	70W
HIE/C/M	70W	HIT-DE-CE	70W
HST	70W	HST-DE	70W

* Elliptical optic is obtained by installing the respective accessory.



Optics



ST - Road optics

HIT-CE $l = 4h / d = 1$



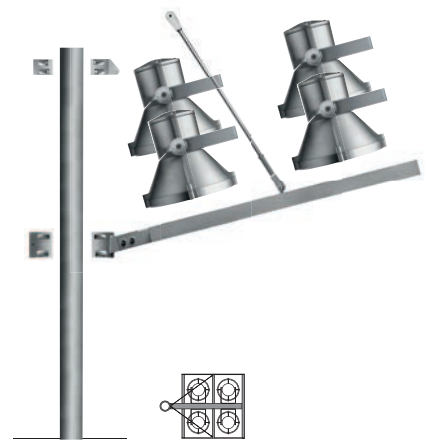
HIT-DE-CE
HST-DE $l = 3,9h / d = 1$



d= L/h
h= Installation height
L= Width of area to be lit
l= Spacing between poles

square structures for floodlights with bracket

pole installation	4 floodlights small body	code colour
		5956 15



floodlight with bracket

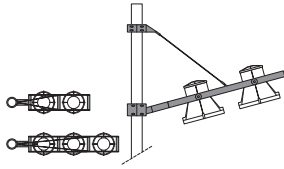
	W	light source	optic	code colour
	42W 3090	LED Single Chip Neutral white	8°	BB28 15
	42W 2680	LED Single Chip Warm white	8°	BB29 15
	53W 7300	LED C.o.B. Neutral white DALI	8°	BV00 15
	53W 7000	LED C.o.B. Warm white DALI	8°	BV01 15
	53W 7300	LED C.o.B. Neutral white DALI	30°	BV02 15
	53W 7000	LED C.o.B. Warm white DALI	30°	BV03 15
	53W 7300	LED C.o.B. Neutral white DALI	48°	BV04 15
	53W 7000	LED C.o.B. Warm white DALI	48°	BV05 15

	W	light source	optic	code colour
	60W	HIT-CE (PGZ12)	ST	5616 15
	70W	HIT-CE (G12)	6°	5650 15
	70W	HIT-CE (G12)	26°	5651 15
	70W	HIT-CE (G12)	64°	5614 15
	70W	HIE/C (Osram) (E27) HIE/M (Osram) (E27)	6° 16°	5652 15
	70W	HST (E27) HIT-CE (E27)	6°	5653 15
	70W	HSE (E27) HIE-CE (E27)	28° 16°	5654 15
	70W	HIT-DE-CE (Rx7s) HST-DE (Rx7s)	ST	5684 15



linear structures for floodlights without bracket

		code colour
pole installation	2 floodlights small body	5960 15
	3 floodlights small body	5958 15



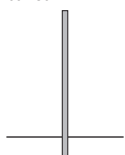
floodlight without bracket

	W	light source	optic	code colour
	60 W	HIT-CE (PGZ12)	ST	5617 15
	70 W	HIT-CE (G12)	26°	5676 15
	70 W	HIT-CE (G12)	64°	5615 15
	70 W	HIT-DE-CE (Rx7s) HST-DE (Rx7s)	ST	5685 15

The MaxiWoody floodlights and the relative accessories are presented in the Floodlights section on page 528.

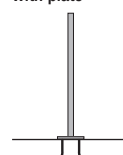
cylindrical poles

	h off-ground	ø pole	code colour
buried	7000	120	1287 15



The technical specifications of the poles are presented on page 457. Fixing plate with anchor bolts to be ordered separately (page 465).

	h off-ground	ø pole	code colour
with plate	7000	120	1289 15



	code colour
branch box	1880 00

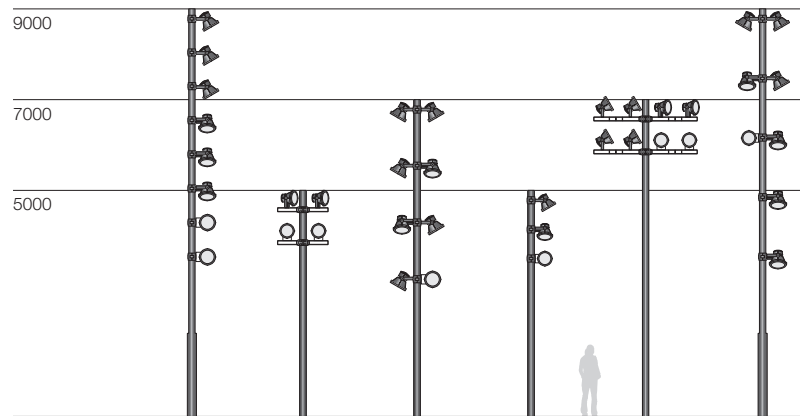


For multiple wiring fitted on a pole





MultiWoody
design Mario Cucinella



MaxiWoody
ø 260



MaxiWoody
ø 315

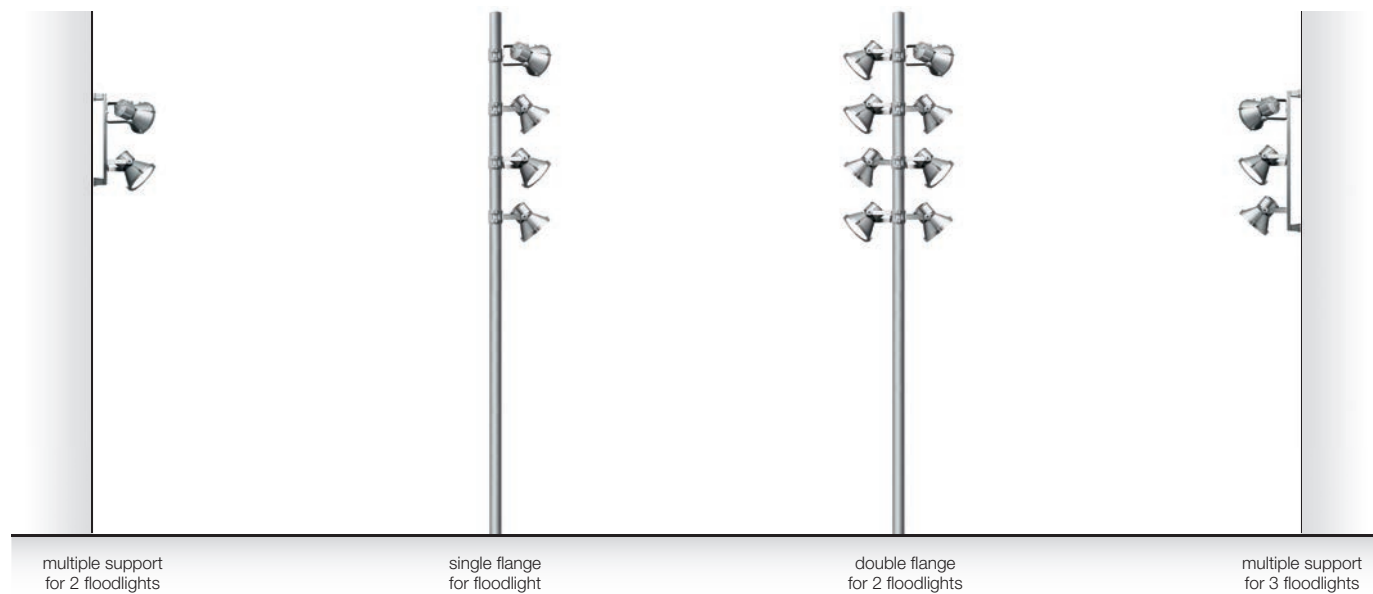


MaxiWoody
ø 380

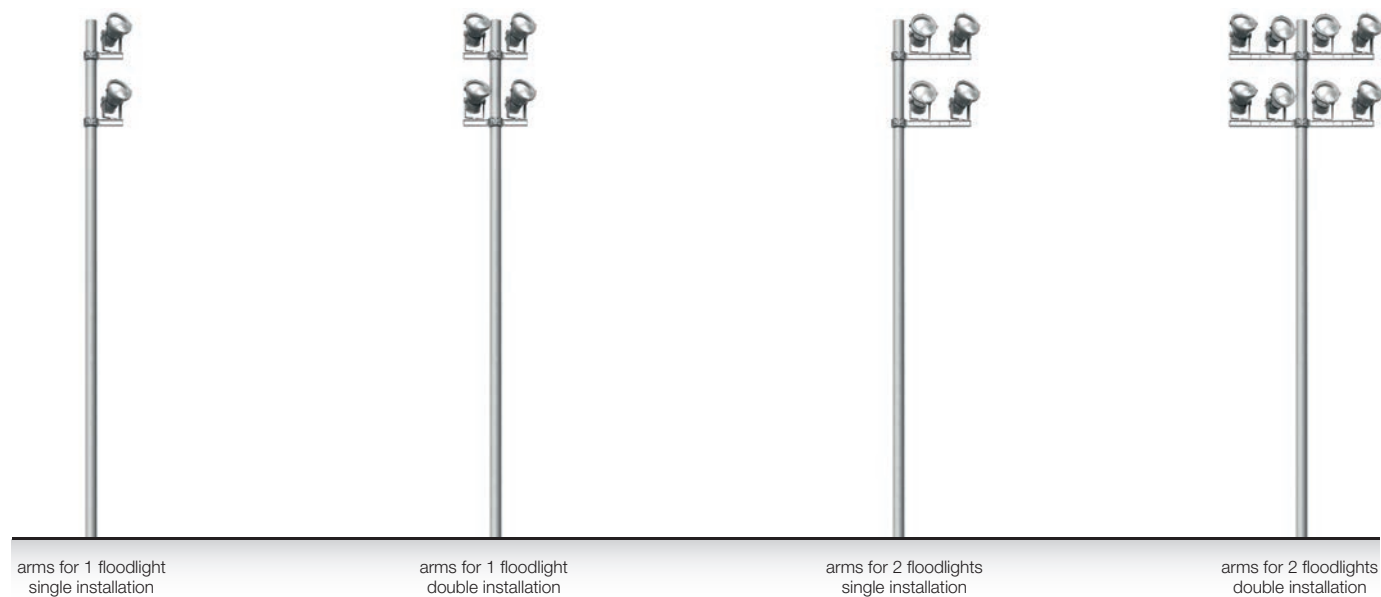
MultiWoody

Compositions

Flanges and supports



Horizontal arms

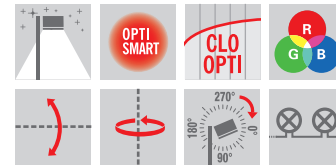


MultiWoody

Features



- Street lighting systems for use with LEDs and discharge lamps.
- Pole or wall-mounted installation.
- Fitting has an optical assembly (MaxiWoody compact, small and medium body floodlight), arm (single or double) and pole.
- Optical assembly and frame in aluminium alloy; sodium-calcium tempered sealing glass, thickness 4 mm, secured with captive screws; superpure aluminium reflector.
- The support arms are in 70 micron hot galvanized steel and available in different length both in the pole and the wall version; pole fixing with painted aluminium flange, the fixing system does not require any drilling of the pole.
- (Conical) poles are in galvanized steel, available in two different heights: 4 and 7 metres off ground.
- The driver allows the use of 3 fixed profiles (1/2/3) and one variable profile (4) for different output lumen levels and different powers.
 - Profile 1 fixed** to 350mA
 - Profile 2 fixed** to 450mA
 - Profile 3 fixed** to 525mA
 - Profile 4 variable** to 350mA
- No upward emission of the light flow.
- Adjustable optical assembly.
- Luminaire ready for pass-through wiring.
- All screws are A2 stainless steel.



Removable plate and captive screws

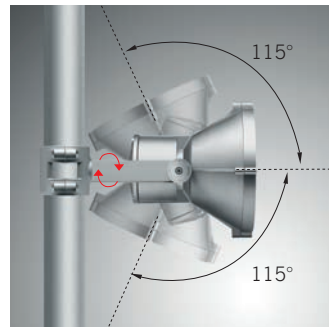


Decompression valve

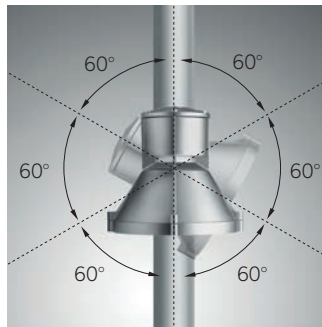


Slots allowing rainwater to run off

Rotation



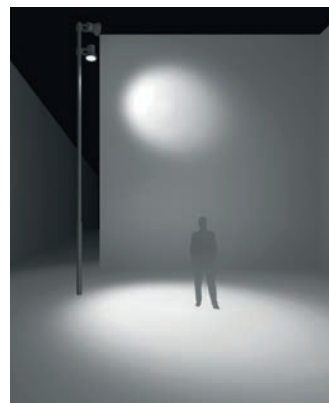
Floodlight-bracket rotation



Bracket rotation by 60° steps

Light distribution

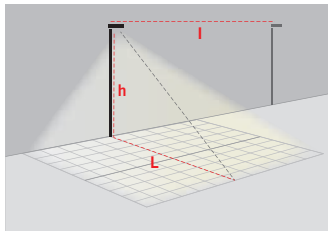
The MultiWoody system, thanks to the double adjustability of the floodlights and the installation flexibility, allows both horizontal surfaces (streets, squares, car parks) and vertical surfaces (facings, monuments, architectonic details) to be illuminated at the same time.



Horizontal and vertical lighting



Optics



ST - Road optics

LED

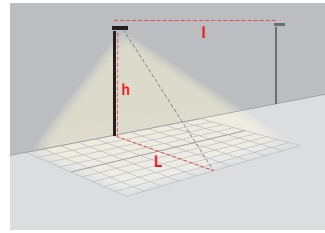


ST1
 $l = 4h / d = 1$
Glare Index: G4

ST1.2
 $l = 4h / d = 1,2$
Glare Index: G4

ST1C
 $l = 3,7h / d = 1$
Glare Index: G6

d = L/h
h = Installation height
L = Width of area to be lit
l = Spacing between poles



AL - Longitudinal Asymmetric optic

HIT-CE $l = 5,1h / d = 1,2$



HIT-CE $l = 4h / d = 1$

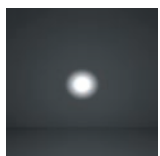


HIT-DE-CE $l = 3,9 / d = 1$
HST-DE

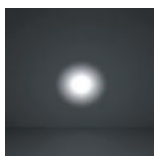


d = L/h
h = Installation height
L = Width of area to be lit
l = Spacing between poles

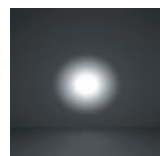
Optics and lamps



SS - Superspot
 $\alpha < 8^\circ$



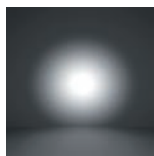
S - Spot
 α from 9° to 15°



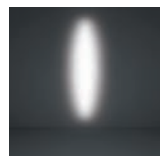
M - Medium
 α from 16° to 25°



F - Flood
 α from 26° to 39°



WF - Wide Flood
 α from 40° to 60°



E - Elliptical*

LED	18 - 24 - 28 - 30W	HIT-CE	70W
	36 - 39 - 42 - 53W	HIE/C/M	70 - 150W
LED RGB	34W	HIE-CE	70W
LED WNC	36W	HIE	250 - 400W
HIT-CE	35 - 70 - 150W	HSE	70 - 250 - 400W
	250W	HIT	250 - 400W
TC-TEL	26 - 32 - 42W	HIT-DE-CE	70 - 150W
HIT-CE	60 - 140W	HST-DE	70 - 150W
HST	70 - 250 - 400W	HIT-TC-CE	600 - 1000W

* Elliptical optic is obtained by installing the respective accessory.



installation on poles with arms

	length	∅ pole	code colour
arm for 1 floodlight	400	120	6113 15
	390	102	6116 15
arm for 2 floodlights	795	120	6114 15
	785	102	6117 15
counter flange	178	120	6115 15
	160	102	6118 15
adapter disk			6119 15

The counter flange must be ordered, to secure the arm to the pole.

The counter flange must be ordered, to secure the arm to the pole.

To be ordered to secure the single arm to the pole. Not required when installing two opposite arms.

Allows for complete rotation of floodlight on horizontal arm



The floodlights can be only installed in the upper part of the arm (max. 1 floodlight for single arm and max. 2 floodlights for double arm). Moreover, only one MaxiWoody medium size body can be installed for each arm on the flange side towards the pole. For the correct installation of the luminaires, always refer to the instructions with product and poles.

installation on poles with flanges

	∅ pole	code colour
flange for 1 floodlight	102	6111 15
	120	6012 15
	120	*6173 15
flange for 2 floodlights	102	6112 15
	120	6013 15
	120	*6174 15

* For mounting the Maxiwoody large body floodlight with the reinforcement bracket code **6175**.

* For mounting 2 Maxiwoody large body floodlights with the reinforcement bracket code **6175**.



The MaxiWoody floodlights and the relative accessories making up the system are presented in the Floodlights section on page 528.



wall-mounted installation

	code colour
multiple support for 2 floodlights	6014 15
multiple support for 3 floodlights	6015 15



cylindrical poles

	h off-ground	ø pole	code colour
buried	5000	102	1205 15
	5000	120	1291 15
	6000	102	1542 15
	7000	102	1543 15
	7000	120	1287 15
	8000	127/102	1544 15
	9000	194/120	1288 15
	9000	194/120	1545 15
	10000	194/120	1546 15
	12000	194/120	1552 15

	h off-ground	ø pole	code colour
with plate	5000	120	1292 15
	6000	159/102	1597 15
	7000	159/102	1598 15
	8000	159/102	1599 15
	9000	194/120	1547 15
	10000	194/120	1548 15
	12000	194/120	1554 15

The technical specifications of the poles are presented on page 457. Fixing plate with anchor bolts to be ordered separately (page 465).

	code colour
branch box	1880 00



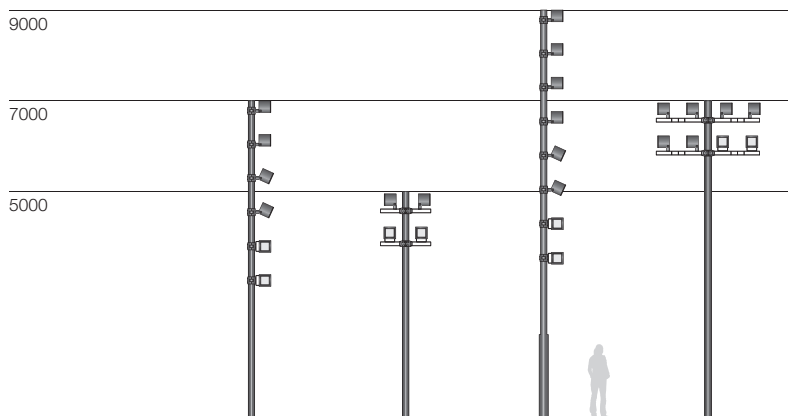
For multiple wiring fitted on a pole





MultiPro

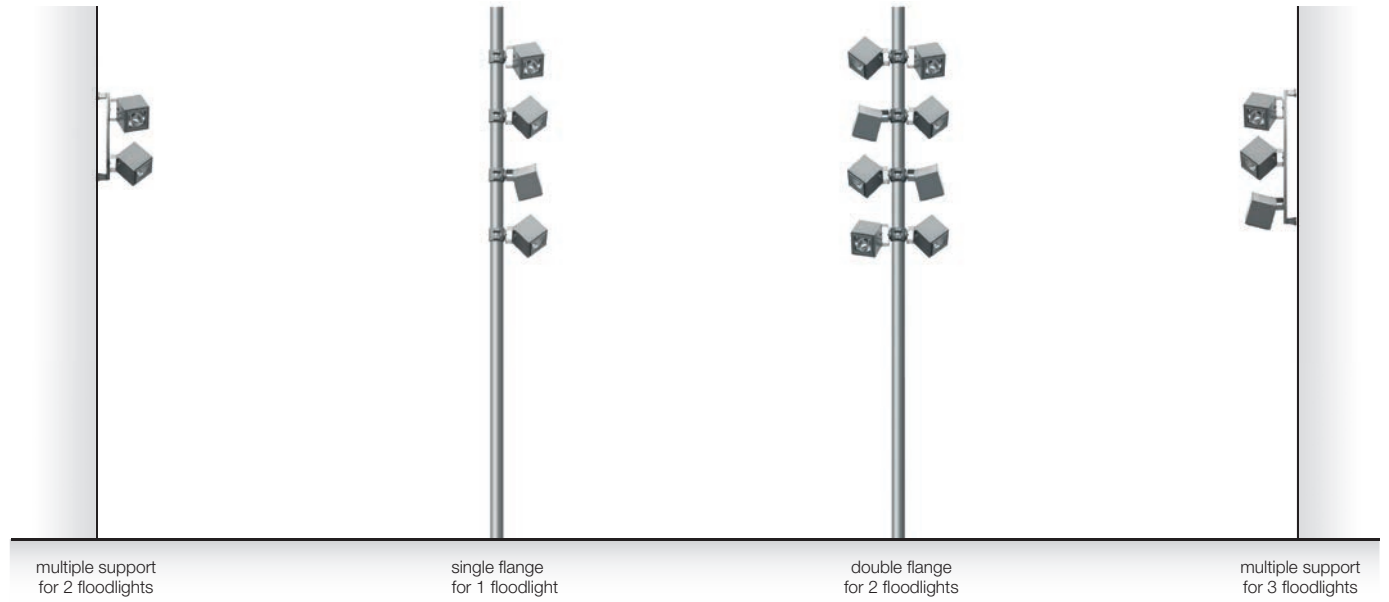
design Mario Cucinella



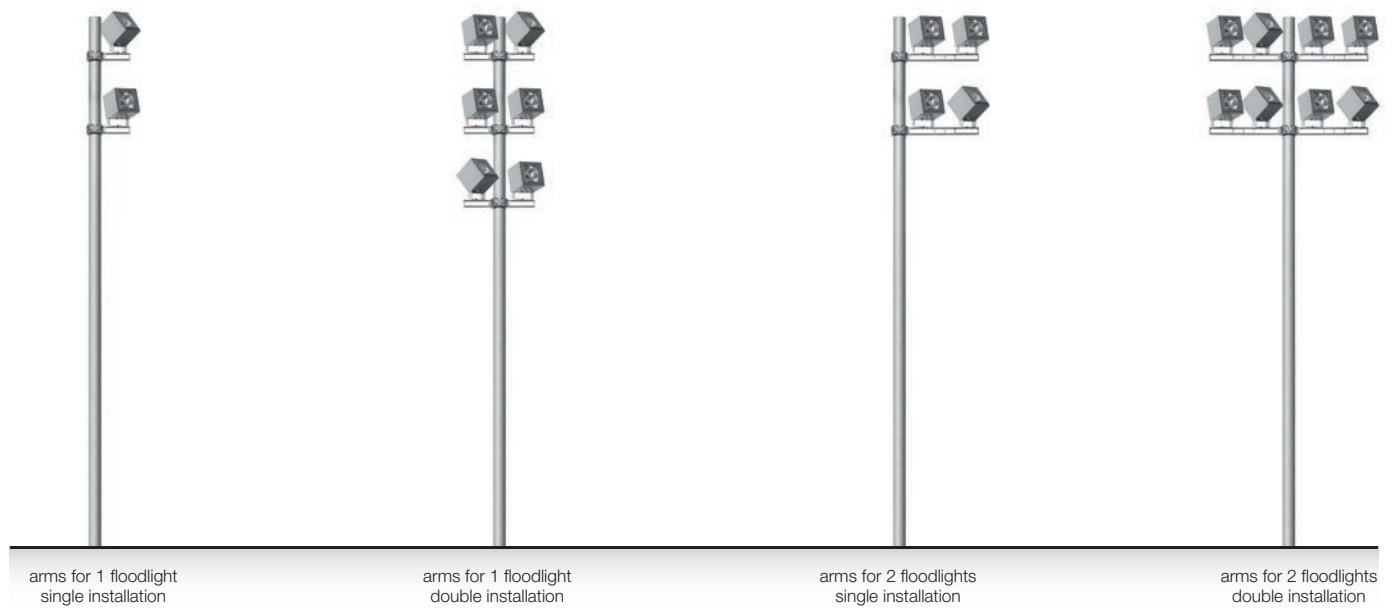
iPro
∅ 192

Compositions

Flanges and supports

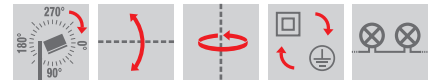


Horizontal arms

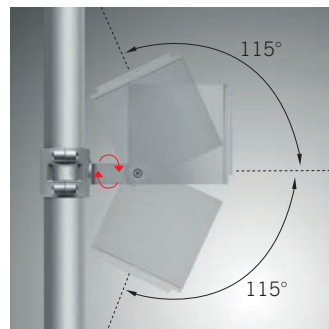


Features

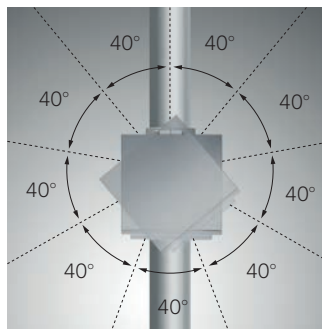
- Street lighting system for use with metal halide and sodium discharge lamps.
- Pole or wall-mounted installation.
- Fitting has an optical assembly (iPro large body), component-holding box and adjustable bracket.
- Optical assembly and front frame made of die-cast aluminium alloy; transparent sodium-calcium tempered sealing glass, thickness 5 mm, siliconed to frame; the frame is fitted to the optical assembly with two M5 captive screws and galvanized steel retention cable.
- Circular and asymmetrical longitudinal reflectors made of 99.93% superpure aluminium subjected to anodic oxidation process and polishing; asymmetrical transversal reflector made of 99.85% superpure aluminium subjected to anodic oxidation process.
- Extruded aluminium bracket with silk-screened graduated scale on both sides (easy aiming).
- No upward emission of the light flow.
- Adjustable optical assembly.
- Luminaire ready for pass-through wiring.
- Class II luminaire, set up for class I.
- All screws are A2 stainless steel.



Rotation



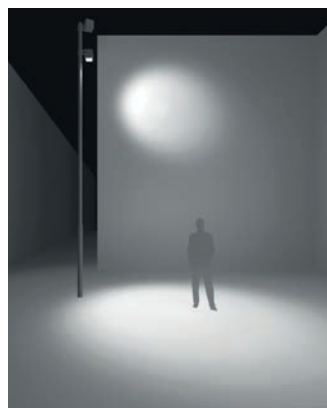
Floodlight-bracket rotation



Bracket rotation by 40° steps

Light distribution

The MultiPro system, thanks to the double adjustability of the floodlights and the installation flexibility, allows both horizontal surfaces (streets, squares, car parks) and vertical surfaces (facings, monuments, architectonic details) to be illuminated at the same time.



Horizontal and vertical lighting



Optics and lamps



SS - Superspot
 $\alpha < 8^\circ$



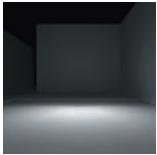
S - Spot
 α from 9° to 15°



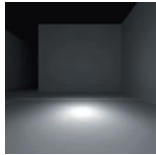
F - Flood
 α from 26° to 39°



E - Elliptical*



AL - Longitudinal asymmetric



AT - Transversal asymmetric

* Elliptical optic is obtained by installing the respective accessory.

LED	24 - 35W	HIT-CE	70 - 150W
LED RGB	23 W	HIT-DE-CE	70 - 150W
LED WNC	25 W	HST-DE	150W

LED

- **LED Single Chip**
- Colour stability
Mac Adam <4
- Life
50000 h **L70**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	HIT-CE 	
2430	27W	35W	23%

(4000K) LED energy saving compared with traditional lamps



installation on poles with arms

	length	ø pole	code colour
arm for 1/2 floodlights	400	120	6113 15
	390	102	6116 15
arm for 2/4 floodlights	795	120	6114 15
	785	102	6117 15
counter flange	178	120	6115 15
	160	102	6118 15
adapter disk			6119 15

The counter flange must be ordered, to secure the arm to the pole.

The counter flange must be ordered, to secure the arm to the pole.

To be ordered to secure the single arm to the pole. Not required when installing two opposite arms.

Allows for complete rotation of floodlight on horizontal arm



The floodlight can be installed simultaneously both in the upper and lower part of the arm (max. 2 floodlights on single arm and max. 4 floodlights on double arm). For the correct installation of the luminaires, always refer to the instructions with product and poles.

installation on poles with flanges

	ø pole	code colour
flange for 1 floodlight	120	6012 15
	102	6111 15
flange for 2 floodlight	120	6013 15
	102	6112 15



The iPro floodlights and the relative accessories making up the system are presented in the Floodlights section on page 512.



wall-mounted installation

multiple support for 2 floodlights code colour
6014 15

multiple support for 3 floodlights code colour
6015 15

wall-mounted base code colour
BZM5 01-15

L-shaped bracket code colour
BZ91 15

For installation on cornices



cylindrical poles

	h off-ground	ø pole	code colour
buried	5000	102	1205 15
	5000	120	1291 15
	6000	102	1542 15
	7000	102	1543 15
	7000	120	1287 15
	8000	127/102	1544 15
	9000	194/120	1288 15
	9000	194/120	1545 15

	h off-ground	ø pole	code colour
with plate	5000	120	1292 15
	6000	159/102	1597 15
	7000	159/102	1598 15
	8000	159/102	1599 15
	9000	194/120	1547 15

The technical specifications of the poles are presented on page 457. Fixing plate with anchor bolts to be ordered separately (page 465).

branch box code colour
1880 00

For multiple wiring fitted on a pole





Poles



Cylindrical poles **458**



Cylindrical poles with shank **459**



Tapered poles **460**



Conical poles **461**



Conical curved poles **462**



Poles with curved arm **463**



Poles with arm for iRoad System **464**

Accessories for poles **465**



04
BLACK



15
GREY

Features

- Poles made of EN10025-S235JR or EN10025-S355JR 70 micron hot galvanized steel in compliance with UNI EN ISO 1461 (EN40-5).
- Powder-coating paint surface finish.
- The pole has a cylindrical cross-section with a 76/102/120 mm diameter.
- The upper part of the poles (code 1542-1543) is provided with six through holes and stainless steel threaded inserts for arm fixing with tie rod (for the Lavinia and Cut-Off systems).
- In poles (code 1274-1287-1291) used for the application of MultiWoody, MultiPro and FrameWoody Systems there are six

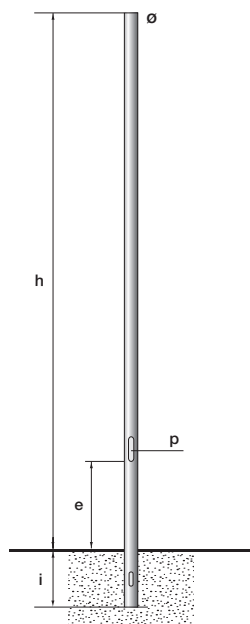
through holes with rubber closure cap for the passage of the cables.

- In poles (code 2510-2511-2512-2513) there are four through holes with threaded inserts for the installation of the iRoll 65 System.
- Cable entry slot 150x50 mm or 62x42 mm.
- Anchoring plate made of 70 micron hot galvanized steel, with 4 slots/holes.
- Anchor bolts and plate (to be ordered separately).
- 4-pole terminal block with three connections for each pole and single or double integrated fuse; designed for 16 mm² feed cables and 2,5 mm² exit cables.

- Suitable for Italian/French/Spanish, English (with wooden adaptor to be ordered separately) and German/Swiss (with DIN guide to be ordered separately) terminal boards. Refer to the instructions sheet for the reference codes.
- Protruding lids IP54 132x38 mm and 186x45 mm with external grounding.
- Flush lid IP44 310x95 mm with internal grounding.
- Terminal block: IP43 IK08 (1862-1864-1865), IP44 IK08 (1863).

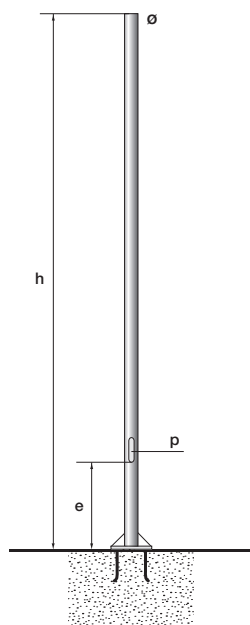


Customised poles for each European market



buried pole

diameter pole (ø)	off-ground height (h)	in-ground height (i)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		terminal block code	lid key code
							code	colour		
76	4000	600	3	26	132x38	1000	1271	15	1864	0227
	4000	600	3	26	132x38	1000	2510	15	1864	0227
102	3500	500	3	30	186x45	1064	1203	04-15	1862-1865	0227
	5000	600	3	43	186x45	1064	1205	04-15	1862-1865	0227
	5000	600	3	43	186x45	1064	2512	15	1862-1865	0227
	6000	800	4	66	186x45	1000	1542	04-15	1862-1865	0227
	7000	1000	4	78	186x45	1000	1543	04-15	1862-1865	0227
120	5000	600	3	52	310x95	1000	1291	15	1863	0246
	7000	1000	4	97	310x95	1000	1287	15	1863	0246
	9000	1000	4	120	186x45	1000	1274	15	1862-1865	0227



pole with plate

diameter pole (ø)	height (h)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		fixing plate code	terminal block code	lid key code
						code	colour			
76	4000	3	33	132x38	1000	1272	15	1168	1864	0227
102	5000	3	49	186x45	1000	1344	04-15	1168	1862-1865	0227
120	5000	3	55	310x95	1000	1292	15	1168	1863	0246
	7000	4	93	310x95	1000	1289	15	0453	1863	0246

Cylindrical poles with shank



04
BLACK



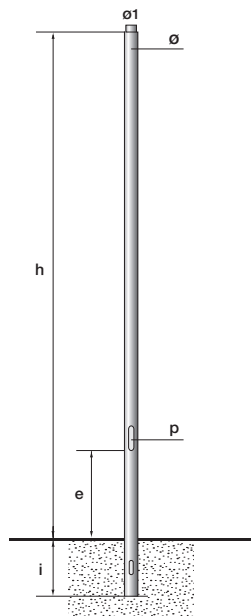
15
GREY

Features

- Poles made of EN10025-S235JR or EN10025-S355JR 70 micron hot galvanized steel in compliance with UNI EN ISO 1461 (EN40-5).
- Powder-coating paint surface finish.
- The pole has a cylindrical crosssection with 102 mm diameter (shank \varnothing 76 mm) or 120 mm diameter (shank \varnothing 102 mm).
- 3 mm thickness (poles 1523-1555 with 4 mm thickness).
- In poles (code 2514-2515-2516 2518-2519-2520) there are four through holes with threaded inserts for the installation of the iRoll 65 System.
- Cable entry slot 150x50 mm.
- Anchoring plate made of 70 micron hot galvanized steel, with 4 slots.
- Anchor bolts and plate (to be ordered separately).
- 4-pole terminal block with three connections for each pole and single or double integrated fuse; designed for 16 mm² feed cables and 2,5 mm² exit cables.
- Suitable for Italian/French/Spanish, English (with wooden adaptor to be ordered separately) and German/Swiss (with DIN guide to be ordered separately) terminal boards. Refer to the instructions sheet for the reference codes.
- Protruding lid IP54 186x45 mm with external grounding.
- Flush lid IP44 410x95 mm with internal grounding.
- Terminal block IP43 IK08 (1862-1865), IP44 IK08 (1863).

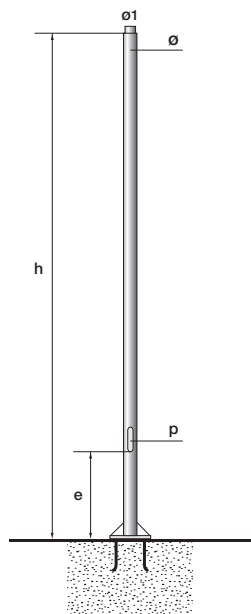


Customised poles for each European market



buried pole

diameter pole (ø)	shank diameter (ø1)	off-ground height (h)	in-ground height (i)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		terminal block code	lid key code
								code	colour		
102	76	6000	800	3	51	186x45	1000	1518	04-15	1862-1865	0227
		6000	800	3	51	186x45	1000	2514	15	1862-1865	0227
120	102	6000	800	3	61	410x95	1000	2516	15	1863	0246
		7000	1000	3	72	186x45	1000	1519	04-15	1862-1865	0227
		7000	1000	3	72	186x45	1000	2518	15	1862-1865	0227
		7000	1000	3	72	410x95	1000	2520	15	1863	0246
		8000	1000	3	80	186x45	1000	1520	04-15	1862-1865	0227



pole with plate

diameter pole (ø)	shank diameter (ø1)	height (h)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		fixing plate code	terminal block code	lid key code
							code	colour			
120	102	6000	3	78	410x95	1000	1521	04-15	1165	1863	0246
		7000	3	87	410x95	1000	1522	04-15	1165	1863	0246
		8000	4	118	410x95	1000	1523	04-15	1165	1863	0246



04
BLACK



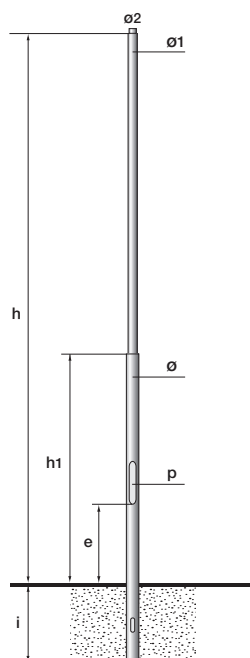
15
GREY

Features

- Poles made of EN10025-S235JR or EN10025-S355JR 70 micron hot galvanized steel in compliance with UNI EN ISO 1461 (EN40-5).
- Powder-coating paint surface finish.
- The pole is made of two cylindrical sections with 102/127 mm, 159/102 mm and 194/120 mm diameter.
- The upper part of the poles (code 1544-1545-1546-1547-1548-1552-1554-1561-1562-1565-1597-1598-1599) is provided with six through holes and stainless steel threaded inserts for arm fixing with tie rod (for the Lavinia and Cut-Off systems).
- In poles (code 2517-2521) there are four through holes with threaded inserts for the installation of the iRoll 65 System.
- Cable entry slot 150x50 mm.
- Anchoring plate made of 70 micron hot galvanized steel, with 4 slots/holes.
- Anchor bolts and plate (to be ordered separately).
- 4-pole terminal block with three connections for each pole and single or double integrated fuse; designed for 16 mm² feed cables and 2,5 mm² exit cables.
- Suitable for Italian/French/Spanish, English (with wooden adaptor to be ordered separately) and German/Swiss (with DIN guide to be ordered separately) terminal boards. Refer to the instructions sheet for the reference codes.
- Protruding lid IP54 186x45 mm with external grounding.
- Flush lids IP44 310x95 mm and IP3X 400x90 mm with internal grounding.
- Terminal block IP43 IK08 (1862-1865), IP44 IK08 (1863).

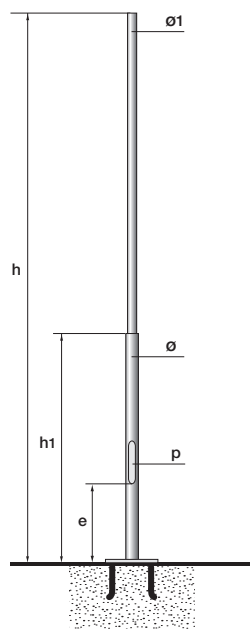


Customised poles for each European market



buried tapered pole

diameter pole ($\varnothing / \varnothing 1$)	shank diameter ($\varnothing 2$)	off-ground height (h)	height (h1)	in-ground height (i)	thickness ($\varnothing / \varnothing 1$)	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		terminal block code	lid key code
									code	colour		
127/102		8000	3000	1000	4/4	102	186x45	1000	1544	04-15	1862-1865	0227
	76	6000	2000	1000	3/3	87	310x95	1000	2517	15	1863	0246
	76	7000	2000	1000	3/3	94	310x95	1000	2521	15	1863	0246
194/120		9000	3200	1000	4/3	152	310x95	1000	1288	15	1863	0246
		9000	3200	1000	4/3	152	310x95	1000	1545	04-15	1863	0246
		10000	3200	1000	4/3	164	310x95	1000	1546	04-15	1863	0246
		12000	5200	800	4/4	212	400x90	600	1552	04-15	1863	0246



tapered pole with plate

diameter pole ($\varnothing / \varnothing 1$)	height (h)	height (h1)	thickness ($\varnothing / \varnothing 1$)	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		fixing plate code	terminal block code	lid key code
							code	colour			
159/102	6000	2000	3/3	91	310x95	1000	1597	04-15	1165	1863	0246
	7000	2000	4/3	111	310x95	1000	1598	04-15	1165	1863	0246
	8000	3000	4/4	133	310x95	1000	1599	04-15	1165	1863	0246
194/120	9000	3200	4/3	163	310x95	1000	1547	04-15	1165	1863	0246
	9000	3200	4/3	163	310x95	1000	1290	15	1165	1863	0246
	10000	3200	4/3	174	310x95	1000	1548	04-15	1165	1863	0246
	12000	5200	4/4	222	400x90	600	1554	04-15	1164	1863	0246

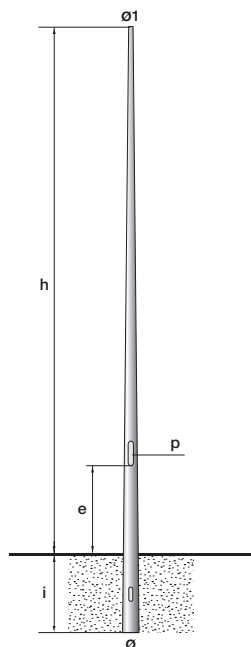


Features

- Poles made of EN10025-S235JR, 70 micron hot galvanized steel in compliance with UNI EN ISO 1461 (EN40-5).
- Powder-coating paint surface finish.
- The pole has a conical cross-section with upper diameter of 60 mm.
- 3 mm thick.
- The pole that is cemented into the ground has a slot for feed cables that is 150x50 mm.
- Anchoring plate is made of EN 10025-S235JR 70 micron hot galvanized steel.
- Anchor bolts and plate available in different sizes to fit the different poles.
- Protruding lid 186x45 mm made of cast aluminium and equipped with watertight gasket.
- 4-pole terminal block with three connections for each pole and single or double integrated fuse; designed for 16 mm² (code 1864 6 mm²) feed cables and 2,5 mm² exit cables.
- Grounding system with grounding lug, weather-protected steel cable, and A2 M8x16 stainless steel screw.
- Lid: IP54
- Terminal block: IP43 IK08

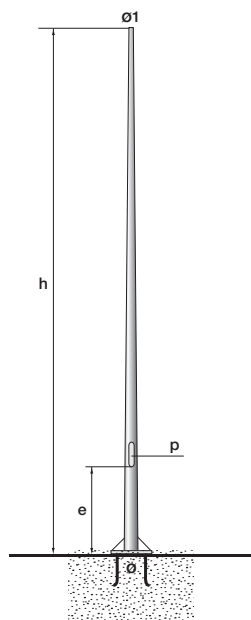


Customised poles for each European market



buried pole

base diameter (Ø)	head diameter (Ø1)	off-ground height (h)	in-ground height (i)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		terminal block code	lid key code
								code	colour		
106	60	4000	600	3	29	186x45	800	1275	15	1864	0227
138	60	7000	800	3	56	186x45	1000	1281	15	1862-1865	0227
158	60	9000	800	3	77	186x45	1000	1282	15	1862-1865	0227



pole with plate

base diameter (Ø)	head diameter (Ø1)	height (h)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		fixing plate code	terminal block code	lid key code
							code	colour			
100	60	4000	3	39	186x45	800	1278	15	1168	1864	0227
130	60	7000	3	62	186x45	1000	1283	15	0453	1862-1865	0227
150	60	9000	3	104	186x45	1000	1284	15	1165	1862-1865	0227

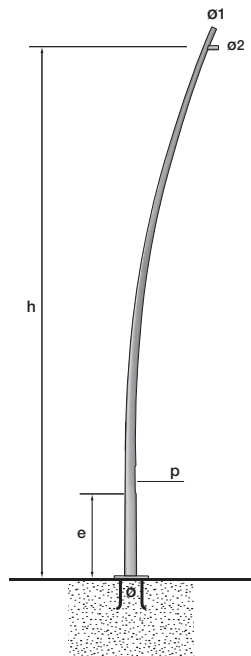


Features

- Poles made of EN10025-S235JR, 70 micron hot galvanized steel in compliance with UNI EN ISO 1461 (EN40-5).
- Powder-coating paint surface finish.
- Curved conical shape with 70 mm final diameter.
- 3 mm thick.
- 400x400 mm anchoring plate made of 70 micron hot galvanized steel, with 4 slots.
- Anchor bolts and plate (to be ordered separately).
- Flush lid IP3X 400x90 mm made of steel.
- 4-pole terminal block with three connections for each pole and double integrated fuse; designed for 16 mm² feed cables and 2,5 mm² exit cables.
- Suitable for Italian/French/Spanish, English (with wooden adaptor to be ordered separately) and German/Swiss (with DIN guide to be ordered separately) terminal boards. Refer to the instructions sheet for the reference codes.
- Internal earthing system with stainless steel grounding lug and screw.
- Terminal block: IP44 IK08

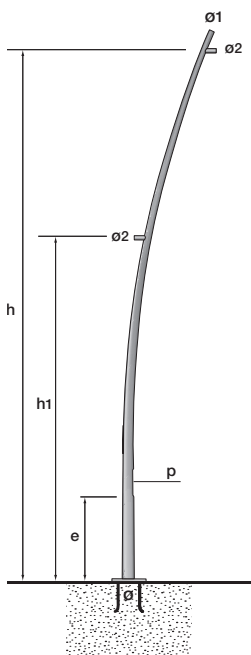


Customised poles for each European market



pole with plate

base/head diameter (ø / ø1)	gallery diameter (ø2)	height (h)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		fixing plate code	terminal block code	lid key code
							code	colour			
147/70	60	6000	3	72	400x90	800	1506	15	1165	1863	0246
172/70	60	8000	3	94	400x90	800	1507	15	1165	1863	0246



pole with plate and intermediate support

base/head diameter (ø / ø1)	gallery diameter (ø2)	height (h)	height (h1)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		fixing plate code	terminal block code	lid key code
								code	colour			
147/70	60	6000	4000	3	73	400x90	800	1508	15	1165	1863	0246
172/70	60	8000	4000	3	95	400x90	800	1509	15	1165	1863	0246

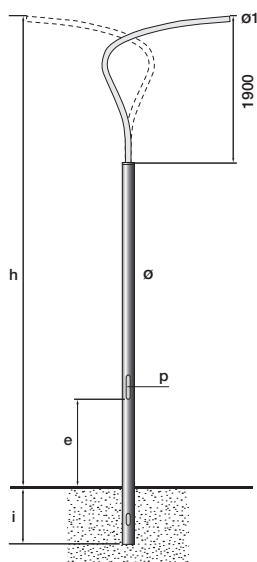


Features

- Poles made of EN10025-S235JR, 70 micron hot galvanized steel in compliance with UNI EN ISO 1461 (EN40-5).
- Powder-coating paint surface finish.
- The pole has a cylindrical crosssection with a 160 mm diameter.
- 4 mm thickness for codes 1515-1570-1588-1910, thickness for codes 1511-1566-1585-1909.
- Cable entry slot 150x50 mm.
- 400x400 mm anchoring plate (280x280 mm for poles with code 1566-1909) made of hot galvanized steel with 70 micron, with 4 slots.
- Anchor bolts and plate (to be ordered separately).
- Flush lid IP44 310x95 mm made of cast aluminium with seal gasket.
- 4-pole terminal block with three connections for each pole and double integrated fuse; designed for 16 mm² feed cables and 2,5 mm² exit cables.
- Suitable for Italian/French/Spanish, English (with wooden adaptor to be ordered separately) and German/Swiss (with DIN guide to be ordered separately) terminal boards. Refer to the instructions sheet for the reference codes.
- Internal earthing system with stainless steel grounding lug and screw.
- Versions complete with single or double arm, available with L=1250 mm and L=2500 mm, respectively. S235JR steel arm with 76 mm diam. and 4 mm thickness. Subjected to powder paint treatment
- Arms fixed to pole with 4 M10 screws.
- Terminal block: IP44 IK08



Customised poles for each European market

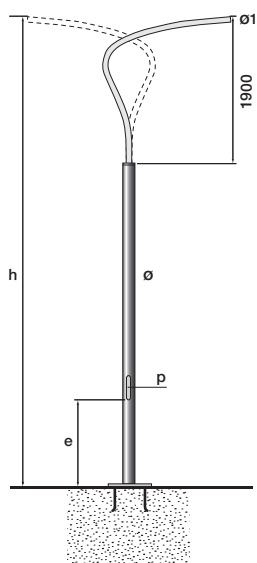


buried pole with arm

diameter pole (Ø)	gallery diameter (Ø1)	off-ground height (h)	in-ground height (i)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		terminal block code	lid key code
								code	colour		
160	76	6700	800	3	94	310x95	1000	1511	74	1863	0246
		8700	1000	4	148	310x95	1000	1515	74	1863	0246

buried pole with 2 arms

diameter pole (Ø)	gallery diameter (Ø1)	off-ground height (h)	in-ground height (i)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		terminal block code	lid key code
								code	colour		
160	76	6700	800	3	118	310x95	1000	1585	74	1863	0246
		8700	1000	4	172	310x95	1000	1588	74	1863	0246



pole with plate with arm

diameter pole (Ø)	gallery diameter (Ø1)	height (h)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		fixing plate code	terminal block code	lid key code
							code	colour			
160	76	6700	3	97	310x95	1000	1566	74	0453	1863	0246
		8700	4	157	310x95	1000	1570	74	1165	1863	0246

pole with plate with 2 arms

diameter pole (Ø)	gallery diameter (Ø1)	height (h)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		fixing plate code	terminal block code	lid key code
							code	colour			
160	76	6700	3	121	310x95	1000	1909	74	0453	1863	0246
		8700	4	181	310x95	1000	1910	74	1165	1863	0246

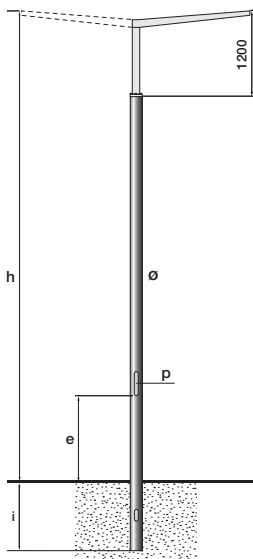


Features

- Poles made of EN10025-S235JR, 70 micron hot galvanized steel in compliance with UNI EN ISO 1461 (EN40-5).
- Texturised RAL 9005 powder-coating paint surface finish.
- The pole has a cylindrical crosssection with a 159 mm diameter.
- A metallic galvanized steel plate is secured to the upper portion of the pole. It has holes for the fastening of the arms. At about 4 m above ground, there are two perforations and stainless steel inserts that secure the intermediate arm.
- The h=6 m above the ground is 3 mm thick; the 8/10 m above the ground pole is 4 mm thick.
- The model that can be cemented into the ground has cable slot that is 150x50 mm.
- Anchoring plate is made of 70 micron hot galvanized steel, and has 4 slots. The plate has tie rods that secure it to the ground (to be ordered separately).
- Flush lid 310x95 mm made of aluminium alloy and has a watertight gasket.
- 4-pole terminal block with three connections for each pole and double integrated fuse; designed for 16mm² feed cables and 2,5mm² exit cables that connect the lamp.
- Suitable for Italian/French/Spanish, English (with wooden adaptor to be ordered separately) and German/Swiss (with DIN guide to be ordered separately) terminal boards. Refer to the instructions sheet for the reference codes.
- Internal grounding system with grounding lug, steel insert, and stainless steel screw.
- Equipped with single or double arm, with respective lengths of 1450 mm and 2800 mm. The vertical part of the arm is made of 100x20 mm steel profile. The horizontal part of the arm is made of steel sheet with hot galvanized cover. Texturized RAL 9007 acrylic paint surface treatment.
- Arms secured to pole via 4 M10 UNI5931 AISI 304 stainless steel screws.
- Terminal block: IP44 IK08



Customised poles for each European market

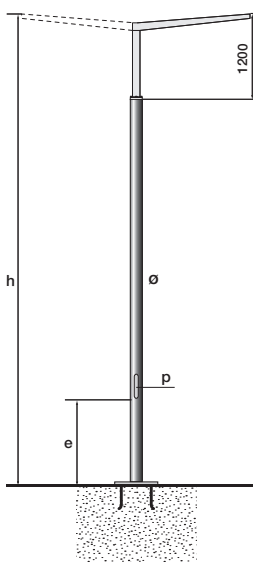


buried pole with arm

diameter pole (Ø)	off-ground height (h)	in-ground height (i)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		terminal block code	lid key code
							code	colour		
160	6000	800	3	89	310x95	1000	1530	74	1863	0246
	8000	1000	4	149	310x95	1000	1531	74	1863	0246
	10000	1000	4	173	310x95	1000	1532	74	1863	0246

buried pole with 2 arms

diameter pole (Ø)	off-ground height (h)	in-ground height (i)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		terminal block code	lid key code
							code	colour		
160	6000	800	3	98	310x95	1000	1536	74	1863	0246
	8000	1000	4	158	310x95	1000	1537	74	1863	0246
	10000	1000	4	182	310x95	1000	1538	74	1863	0246



pole with plate with arm

diameter pole (Ø)	height (h)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		fixing plate code	terminal block code	lid key code
						code	colour			
160	6000	3	92	310x95	1000	1533	74	0453	1863	0246
	8000	4	158	310x95	1000	1534	74	1165	1863	0246
	10000	4	183	310x95	1000	1535	74	1165	1863	0246

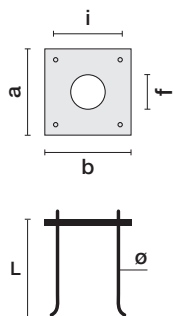
pole with plate with 2 arms

diameter pole (Ø)	height (h)	thickness	weight (kg)	dimensions lid (p)	h from the ground lid (e)	pole		fixing plate code	terminal block code	lid key code
						code	colour			
160	6000	3	101	310x95	1000	1539	74	0453	1863	0246
	8000	4	167	310x95	1000	1540	74	1165	1863	0246
	10000	4	192	310x95	1000	1541	74	1165	1863	0246

Accessories for poles

Fixing plate

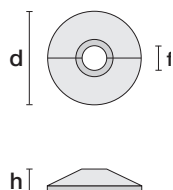
70 micron hot galvanized steel fixing base, with 4 holes and complete with anchor bolts.



size (a x b)	distance between holes (i)	diameter (f)	clamps length (L)	clamps diameter (ø)	clamps threading	code	colour
310x310	200	100	400	16	M18	1168	00
310x310	200	100	500	16	M18	0453	00
440x440	300	100	500	22	M24	1165	00
440x440	200	100	650	22	M24	1164	00

Base

Cover system for poles fixed with the plate, consisting of two cast aluminium bases which can be grouped together.



external diameter (d)	central hole (f)	height (h)	code	colour
420	102	122	1850	04-15
420	120	122	1841	04-15
420	130	122	1871	15
620	150	184	1872	15
620	160	184	1842	04-15
620	194	184	1843	04-15

Terminal blocks

The terminal blocks have four polarities with three ways for pole and are fitted for bridge wiring. They are made with class II insulation.

description	code	colour
Equipped with a fuse holder for dim. 8,5x31,5 - 380 V - max 10 A. Suitable for power supply cables 16 mm ² in section at the inlet and 2,5 mm ² at the outlet, for the light source connection.	1862	00
Equipped with a fuse holder for dim. 10,3x38 - 380 V - max 20A. Suitable for power supply cables 16 mm ² in section at the inlet and 2,5 mm ² at the outlet, for the light source connection.	1863	00
Equipped with two fuse holders for dim. 5x20 - 250 V - max 10A. Suitable for power supply cables 6 mm ² in section at the inlet and 2,5 mm ² at the outlet, for the light source connection.	1864	00
Equipped with two fuse holders for dim 8,5x31,5 - 380 V - max 10A. Suitable for power supply cables 16 mm ² in section at the inlet and 2,5 mm ² at the outlet, for the light source connection.	1865	00



MCMXIV MCMXVIII

THE WHOLE EARTH IS THE SEPULCHRE OF FAMOUS MEN
THEY ARE COMMEMORATED NOT ONLY BY COLUMNS AND INSCRIPTIONS IN THEIR OWN COUNTRY
BUT IN FOREIGN LANDS ALSO BY MEMORIALS GRAVEN NOT ON STONE
BUT ON THE HEARTS OF MEN

Linear luminaires for façade lighting



474 Linealuce
Mini
LED



478 Linealuce
Mini recessed
LED



483 Linealuce
Compact
LED



488 Linealuce
Compact recessed
LED



493 Linealuce
LED



493 Linealuce FL

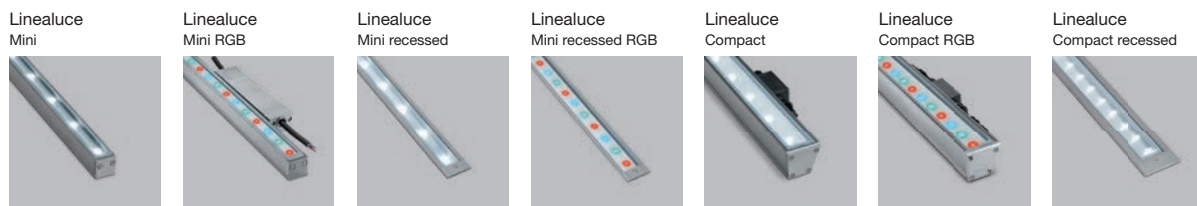


496 Linealuce
recessed
LED



500 Led Tube
LED

Linear luminaires for façade lighting



Spot optic



Flood optic



Wide Flood optic



Very Wide Flood optic



Wall Grazing optic



Wall Grazing optic Spot



Real White



White Tuning



LED



LED lamp



FL lamp

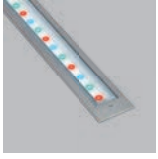


DALI protocol



DMX protocol

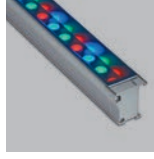
Linealuce
Compact RGB recessed



Linealuce



Linealuce
RGB



Linealuce
recessed



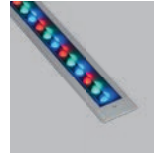
Linealuce
recessed FL



Linealuce
FL



Linealuce
recessed RGB



Linear luminaires for façade lighting

High Performance Linear System

Thanks to iGuzzini technology and research, the size of the wall to be lit and the lighting levels being equal, this new system allows the installed power per linear metre to be minimised, therefore minimising energy consumption.

The High Performance Linear System also guarantees the absence of areas of shadow, ensuring even lighting and uniform colour temperature.



Light Management System

DMX

This protocol is used for professional architectural lighting and is characterised by a high data transmission speed (250000 bytes/second) with real time efficient and effective control of complex multimedia installations (lighting, video installations, etc.).

Moreover, the DMX protocol provides for 512 luminaire addresses and is especially suitable for RGB scenes. For its luminaires, iGuzzini uses the RDM DMX with bi-directional communication to request information on the luminaire status and address luminaires from remote.

DALI

This protocol is mainly used for indoor lighting and is characterised by a limited data transmission speed (2500 bytes/second). It can control installations with simple dynamic light without rapid scene changes. Moreover, the DALI protocol allows for addressing 64 luminaires.

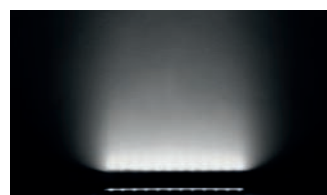
Lighting performance

No areas of shadow

The new wall grazing optics allow the elimination of areas of shadow at the base of vertical surfaces, creating a perfect "wall washer" effect.



Absolutely no areas of shadow (Linealuce)



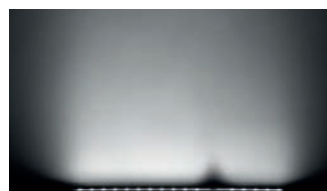
Areas of shadow

Even lighting

Even with the luminaires installed in a "continuous row", the design of the end caps guarantees lighting evenness, for a shadow-free lighting effect even where the modules are joined.



Perfectly even lighting (Linealuce)



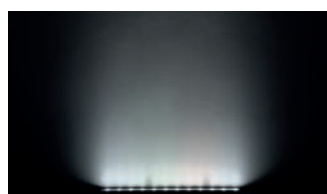
Gap in the lighting effect

Uniform colour temperature

Carefully selected LEDs, plus the excellent colour temperature (K) uniformity provided, allow maximum temperature uniformity and ensure that this feature lasts for years.



Constant colour uniformity (Linealuce)



Lack of chromatic homogeneity

Linear luminaires for façade lighting

RGB



RGB LED technology generates variable coloured light. Mixing of the three primary colours (red, green, blue) produces a complete range of colours, creating impressive set-ups.



Real White



In addition to all shades, this technology allows a pure white, without the influence of RGB colours, to be obtained.



White Real White



Typical RGB white

To guarantee maximum uniformity of the white, a W+RGB+W module is available, for use with individual luminaires and at the start of a continuous line.



Single installation



WRGBW



Continuous line installation



WRGBW

RGBW

RGBW

White Tuning



These versions allow continuous adjustment of the colour temperature from 2700 to 6000K.



Warm white
2700K

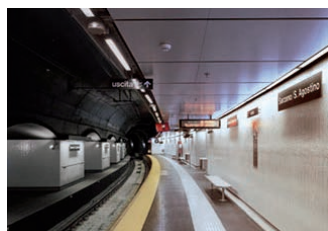


Neutral white
4000K



Cool white
6000K

In specific applications (for example, underground railways or underground areas) lighting may be modulated depending on the season and time day using iGuzzini lighting management systems.



Morning



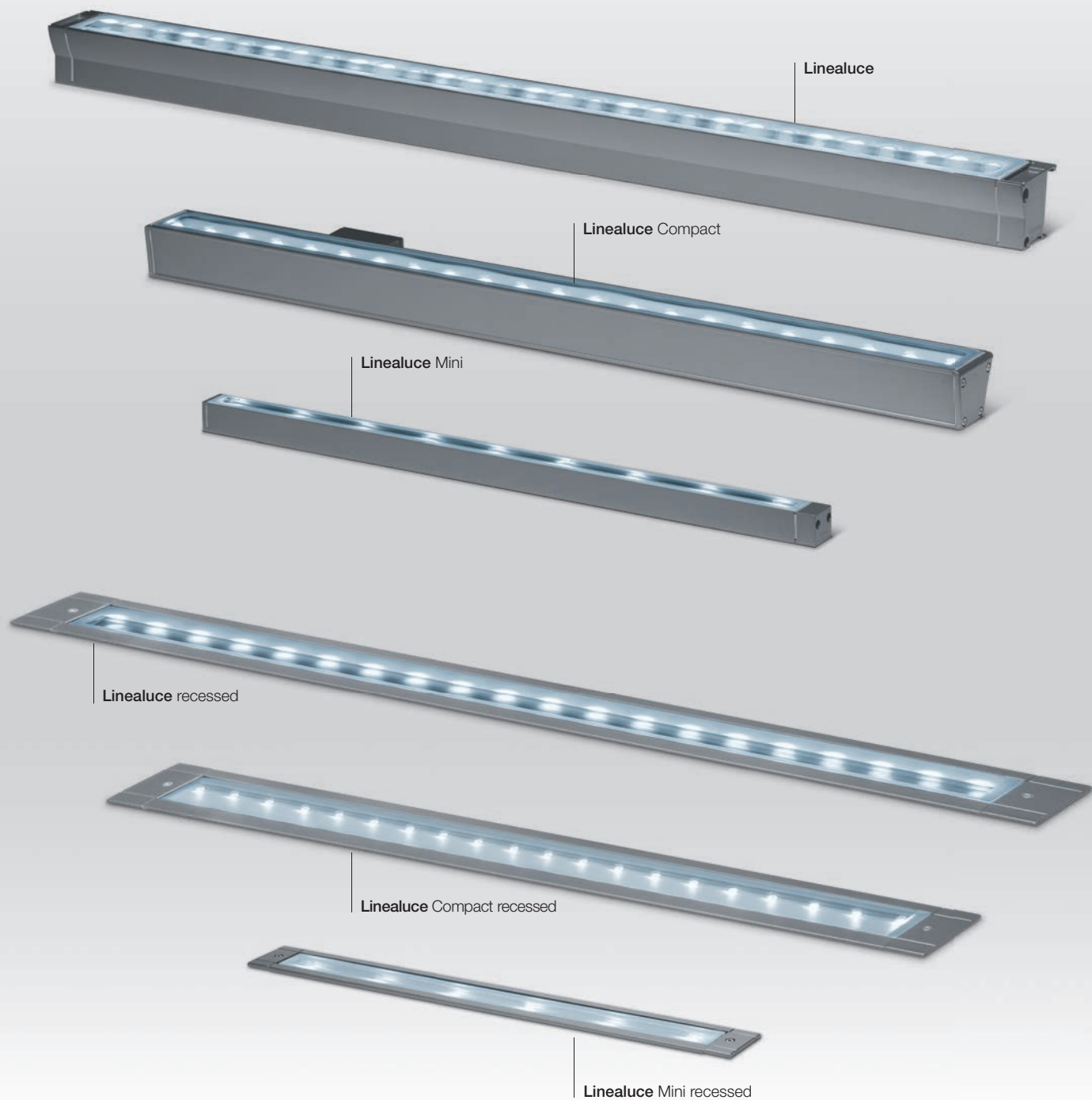
Evening

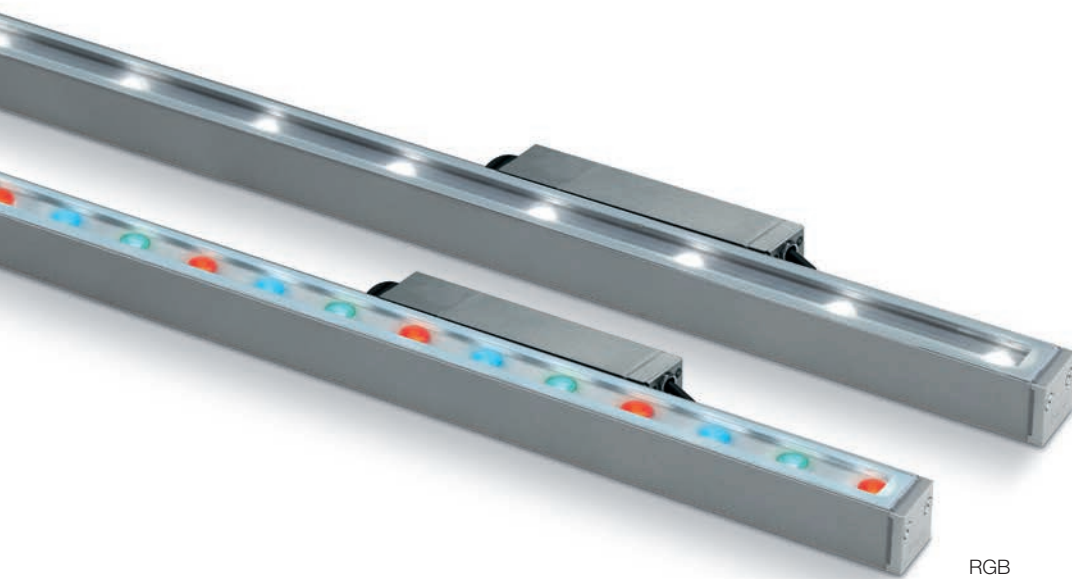




Linealuce

design Jean Michel Wilmotte





Monochromatic

RGB

Features



- Wall-mounted, ceiling-mounted and on balustrade with optional supports.
- Extruded aluminium body, with die-cast zamak end caps complete with silicone gaskets.
- Optical assembly closed on top with a transparent glass screen, 3 mm thick, secured with silicone.
- The product is supplied with single PG9 cable clamp in nickel-plated brass and PVC exit cable. For the electrical connection a linear connector IP68 and connector block IP67 with fast coupling terminals.

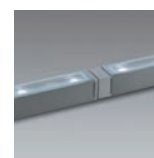
- Electronic power supplies to be ordered separately.
- Dimmable monochromatic and RGB versions: Vin=48Vdc electronic power supplies to be ordered separately, DALI or DMX-RDM internal drivers contained in extruded aluminium side box, with aluminium die-cast zamak end caps complete with silicone gaskets, PG13,5 nickelplated brass cable clamps and outgoing cables.
- Luminaire ready for pass-through wiring.
- All external screws are in A2 stainless steel.



Simplified wiring using exiting cable



Small size




Installed in a continuous line

LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 100000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	T 16	
1130	13W	21W	38%
1700	20W	35W	42%

(3000K) LED energy saving compared with traditional lamps

Linealuce Mini

Flexibility

Linealuce Mini is available in various lengths, so that it can adapt to any lighting design project.



512mm Monochromatic DALI / RGB
528mm Monochromatic



792mm Monochromatic



1004mm RGB
1040mm Monochromatic DALI
1056mm Monochromatic



1321mm Monochromatic



1496 mm RGB
1569 mm Monochromatic DALI
1585 mm Monochromatic

Constant flow

Linealuce Mini monochrome 24Vdc is fitted with an exclusive electronic circuit which guarantees constant emission of the light flow even with variations in the input voltage from 16V to 30V. The constant flow emitted on the entire power line is guaranteed for up to 30 m.

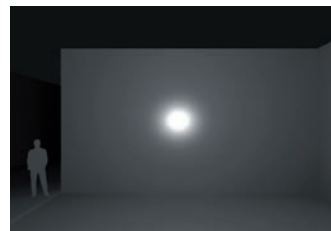
Constant flow emitted on the entire line (Linealuce Mini 24Vdc)



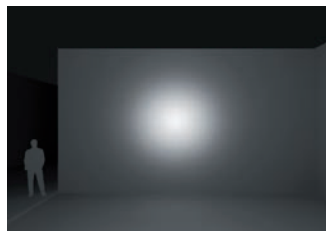
30Vdc

Lighting performance

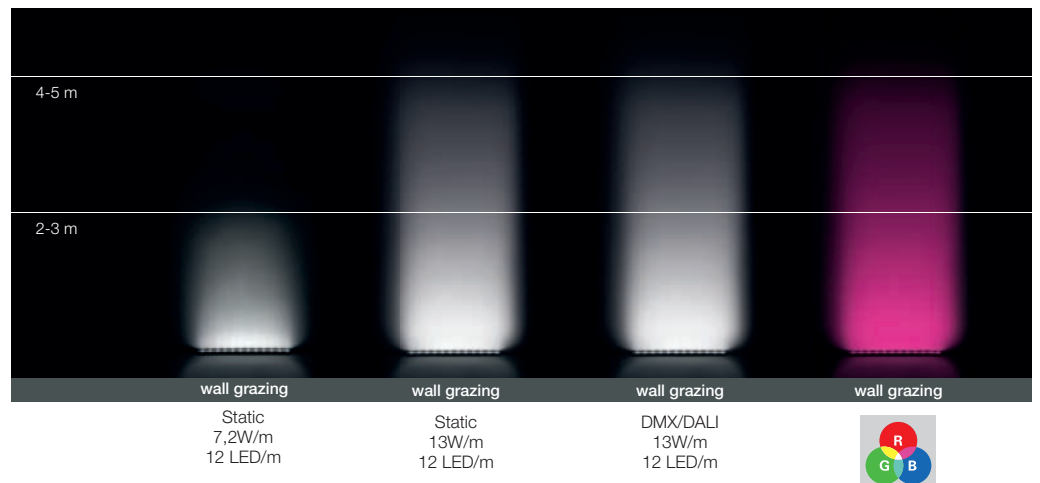
The possibility of choosing different power ratings (W/lm) for the same lengths, the efficiency of the latest-generation LEDs, with extremely high-performance optics, make this luminaire suitable for a wide range of applications.



S - Spot



F - Flood





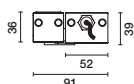
Monochromatic static LED (24Vdc)



light source	W*	lm	length	code colour
LED				
Spot 10°				
Neutral white				
6,5W	600	528	BK36	15
13W	1210	1056	BK40	15
Warm white				
6,5W	570	528	BK37	15
13W	1130	1056	BK41	15
Flood 30°				
Neutral white				
6,5W	600	528	BK80	15
13W	1210	1056	BK84	15
Warm white				
6,5W	570	528	BK81	15
13W	1130	1056	BK85	15
Wall grazing 2÷3 m				
Neutral white				
3,6W	390	528	BH14	15
7,2W	770	1056	BH16	15
11W	1160	1585	BH18	15
Warm white				
3,6W	360	528	BH15	15
7,2W	720	1056	BH17	15
11W	1080	1585	BH19	15
Wall grazing 4÷5 m				
Neutral white				
6,5W	600	528	BH20	15
9,8W	910	792	BI11	15
13W	1210	1056	BH22	15
16W	1510	1321	BI13	15
20W	1810	1585	BH24	15
Warm white				
6,5W	570	528	BH21	15
9,8W	850	792	BI12	15
13W	1130	1056	BH23	15
16W	1410	1321	BI14	15
20W	1700	1585	BH25	15

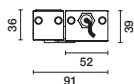
Power supply to be ordered separately.
For the system definition, refer to the instructions.

Dimmable monochromatic and RGB LED (48÷56Vdc)



light source	W*	lm	length	code colour
LED				
Spot 10°				
Neutral white dimmable DALI				
5,9W	580	512	BM69	15
12W	1150	1040	BM71	15
Warm white dimmable DALI				
5,9W	540	512	BM70	15
12W	1080	1040	BM72	15
DMX versions available on request. Power supply to be ordered separately. Monochromatic DALI versions occupy 1 address.				
Flood 30°				
Neutral white dimmable DALI				
5,9W	580	512	BM77	15
12W	1150	1040	BM79	15
Warm white dimmable DALI				
5,9W	540	512	BM78	15
12W	1080	1040	BM80	15
DMX versions available on request. Complete with electronic control card. Power supply to be ordered separately. Monochromatic DALI versions occupy 1 address.				
Wall grazing 4÷5 m				
Neutral white dimmable DALI				
5,9W	580	512	BL30	15
12W	1150	1040	BL32	15
18W	1730	1569	BL34	15
Warm white dimmable DALI				
5,9W	540	512	BL31	15
12W	1080	1040	BL33	15
18W	1620	1569	BL35	15
Neutral white dimmable DMX-RDM				
5,9W	580	512	BL36	15
12W	1150	1040	BL38	15
18W	1730	1569	BL40	15
Warm white dimmable DMX-RDM				
5,9W	540	512	BL37	15
12W	1080	1040	BL39	15
18W	1620	1569	BL41	15

Power supply to be ordered separately.
Monochromatic DALI versions occupy 1 address.






light source	W*	lm	length	code colour
LED				
Wall grazing 5÷6 m				
RGB DALI				
11W	660	512	BJ17	15
22W	1320	1004	BJ18	15
33W	1980	1496	BJ19	15
RGB DMX-RDM				
11W	660	512	BJ20	15
22W	1320	1004	BJ21	15
33W	1980	1496	BJ22	15

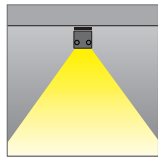
Complete with electronic control card.
Power supply to be ordered separately.
The DALI RGB versions occupy 3 addresses.

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

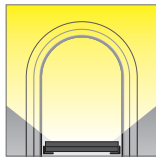
* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

installation systems

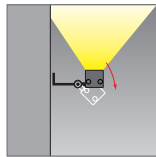
	code	colour		code	colour
 Plate used for support or ceiling installation	BZJ6	00 for versions L=512-528 1004-1040-1056	 Adjustable arms +/- 90° for wall or ceiling mounting L=83	BZJ9	13 for monochromatic static LED
	BZJ7	00 for versions L=1321-1496 1569-1585	Adjustable arms +/- 90° for wall or ceiling mounting L=115	BZQ9	13 for dimmable monochromatic and RGB LED
 Adjustable arms +/- 90° for wall or ceiling mounting L=200	BZJ8	13			



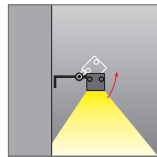
Ceiling-mounted with plate



Surface-mounted with plate












Wall-mounted with adjustable arms









Wall-mounted with adjustable arms

monochromatic static LED components

	code	colour		code	colour
 Electronic power supply designed to mount on a DIN standard profile 10W $V_{IN}=220\div 240Vac / 50\div 60Hz$ $V_{OUT}=24Vdc \pm 2\%$ (SELV)	9908	00	 Electronic power supply designed to mount on a DIN standard profile 120W $V_{IN}=88\div 264Vac / 50\div 60Hz$ $V_{OUT}=24\div 28Vdc$ (SELV) Dim. 40x114x125h	BZK0	00
 Electronic power supply designed to mount on a DIN standard profile 24W $V_{IN}=90\div 260Vac / 50\div 60Hz$ $V_{OUT}=24Vdc \pm 2\%$ (SELV)	9909	00	 Electronic power supply designed to mount on a DIN standard profile 240W $V_{IN}=88\div 264Vac / 50\div 60Hz$ $V_{OUT}=24\div 28Vdc$ (SELV) Dim. 63x114x125h	9912	00
 Electronic power supply designed to mount on a DIN standard profile 72W $V_{IN}=220\div 240Vac / 50\div 60Hz$ $V_{OUT}=24Vdc \pm 2\%$ (SELV)	9910	00	 Electronic power supply designed to mount on a DIN standard profile 480W $V_{IN}=90\div 264Vac / 50\div 60Hz$ $V_{OUT}=24\div 28Vdc$ (SELV) Dim. 86x114x125h	BZK1	00
 Electronic power supply designed to mount on a DIN standard profile 96W $V_{IN}=220\div 240Vac / 50\div 60Hz$ $V_{OUT}=24Vdc \pm 2\%$ (SELV)	9911	00	 Connector block with fast-coupling terminals IP66 Suitable for cables 2x2,5 mm ²	BZK7	15
			 Connector IP68 Suitable for cables 2x2,5 mm ²	BZK6	00

dimmable monochromatic and RGB LED components

	code	colour		code	colour
 Electronic power supply designed to mount on a DIN standard profile 120 W $V_{IN}=88\div 264Vac / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) Dim. 40x114x125h	BZ14	00	 5-pole connector IP68	BZS6	04
 Electronic power supply designed to mount on a DIN standard profile 240 W $V_{IN}=88\div 264Vac / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) Dim. 63x114x125h	BZ15	00	 Y-coupling with 5 poles IP68 For connection between DMX or DALI signal cable and power supply cable	BZN7	00 for DMX and DALI versions
 Electronic power supply designed to mount on a DIN standard profile 480 W $V_{IN}=90\div 264Vac / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) Dim. 86x114x125h	BZ16	00	 Cap for connectors + terminator resistance 120 Ω	BZQ7	00 for DMX-RDM versions

Linealuce Mini recessed



Monochromatic

RGB

Features



- Wall/ceiling/floor-recessed luminaire for use with LEDs.
- Fitting has a body and counterframe for installation (which can be ordered separately).
- Extruded aluminium body closed at the top by a transparent or no-skid glass screen secured in place with silicone; with die-cast aluminium end caps complete with silicone seals; aluminium outer casing with technopolymer caps.
- Dimmable monochromatic and RGB versions: $V_{in}=48V_{dc}$ electronic power supplies to be ordered separately, DALI or DMX-RDM internal drivers.
- Luminaire ready for pass-through wiring.
- Static load resistance 1000 Kg
- Temperature of contact $< 40^{\circ}C$.
- All external screws are in A2 stainless steel.



Versions equipped with no-skid glass



Temperatura $< 40^{\circ} C$



Static load resistance 1000 Kg

LED

- **LED Single Chip**
- Colour stability **Mac Adam < 3**
- Life 100000 h **L80**
- Color temperature: Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	T 16	ENERGY SAVING
1130	13W	21W	38%
1700	20W	35W	42%

(3000K) LED energy saving compared with traditional lamps

Linealuce Mini recessed

Flexibility

Linealuce Mini recessed is available in various lengths, so that it can adapt to any lighting design project.



552mm Monochromatic / Monochromatic DALI / RGB



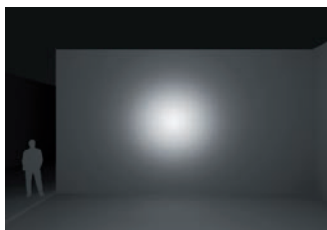
1044mm Monochromatic DALI / RGB
1080mm Monochromatic



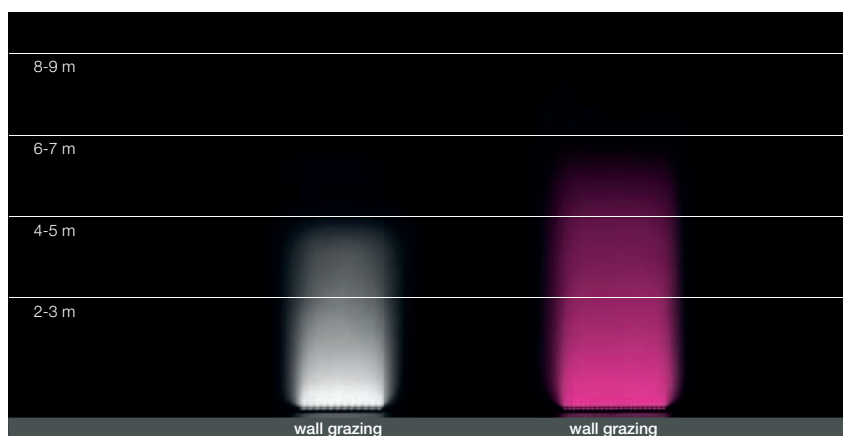
1536mm Monochromatic DALI / RGB
1609mm Monochromatic

Lighting performance

The possibility of choosing different power ratings (W/lm) for the same lengths, the efficiency of the latest-generation LEDs, with extremely high-performance optics, make this luminaire suitable for a wide range of applications.



F - Flood





Static
12 LED / m
13W





RGB
24 LED / m
17W





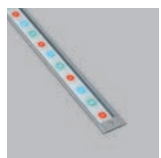

Monochromatic static LED

light source	W*	lm	length	code colour	
 	LED No-skid glass Flood optic 30° Neutral white				
	6,5W	600	552	BW24 15	
	13W	1210	1080	BW26 15	
	20W	1810	1609	BW28 15	
	Warm white				
	6,5W	570	552	BW25 15	
	13W	1130	1080	BW27 15	
	20W	1700	1609	BW29 15	
	Power supply to be ordered separately				

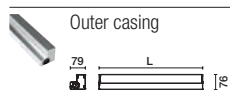
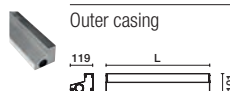
Dimmable monochromatic and RGB LED

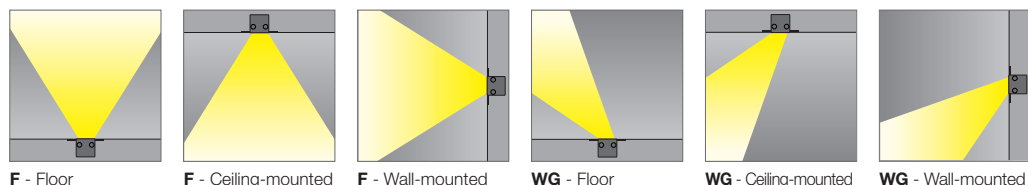
light source	W*	lm	length	code colour	
 	LED Transparent glass Wall grazing 4÷5 m Neutral white dimmable DALI				
	6,5W	600	552	BW30 15	
	13W	1210	1080	BW32 15	
	20W	1810	1609	BW34 15	
	Warm white dimmable DALI				
	6,5W	570	552	BW31 15	
	13W	1130	1080	BW33 15	
	20W	1700	1609	BW35 15	
	Complete with electronic control card. Power supply to be ordered separately. Occupy 1 DALI address.				

light source	W*	lm	length	code colour	
 	LED Transparent glass Wall grazing 4÷5 m Neutral white				
	6,5W	600	552	BW18 15	
	13W	1210	1080	BW20 15	
	20W	1810	1609	BW22 15	
	Warm white				
	6,5W	570	552	BW19 15	
	13W	1130	1080	BW21 15	
	20W	1700	1609	BW23 15	
	Power supply to be ordered separately				

light source	W*	lm	length	code colour	
 	LED Wall grazing 6÷7 m RGB DMX-RDM				
	9W	590	552	BW57 15	
	17W	1140	1044	BW58 15	
	25W	1660	1536	BW59 15	
	Complete with electronic control card. Power supply to be ordered separately.				
	Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.				

installation systems








	code	colour	length		code	colour	
	X010	00	545	Steel cables kit L=570 with reinforcement plates for false ceiling application	X013	00	
	for BW18-BW19-BW24-BW25				for monochromatic static LED		
	X011	00	1073		BZZ7	00	
	for BW20-BW21-BW26-BW27				for dimmable monochromatic and RGB LED		
	X012	00	1602	Steel cable L=200 for wall application	5925	00	
	for BW22-BW23-BW28-BW29						
	X014	00	545				
	for BW30-BW31-BW57						
	X015	00	1073				
	for BW32-BW33						
X016	00	1602					
for BW34-BW35							
X017	00	1037					
for BW58							
X018	00	1529					
for BW59							









* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

Linealuce Mini recessed

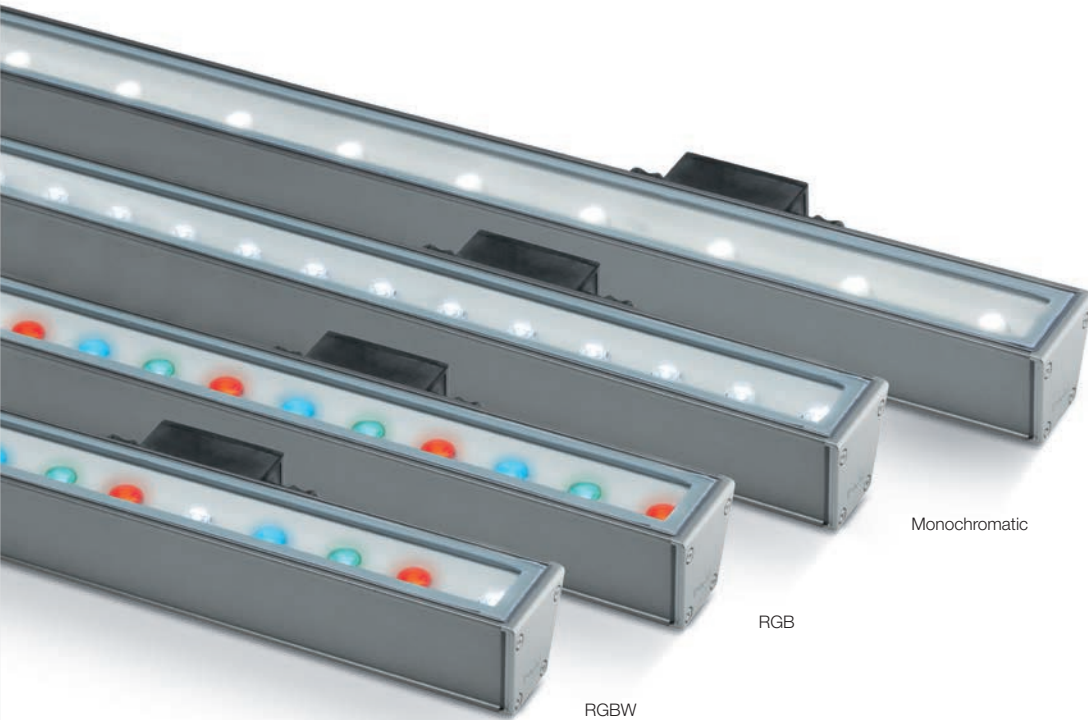
monochromatic static LED components

	code	colour		code	colour
 Electronic power supply designed to mount on a DIN standard profile 10W $V_{IN}=220\div 240V_{ac} / 50\div 60Hz$ $V_{OUT}=24V_{dc} \pm 2\%$ (SELV)	9908	00	 Electronic power supply designed to mount on a DIN standard profile 120W $V_{IN}=88\div 264V_{ac} / 50\div 60Hz$ $V_{OUT}=24\div 28V_{dc}$ (SELV) Dim. 40x114x125h	BZK0	00
 Electronic power supply designed to mount on a DIN standard profile 24W $V_{IN}=90\div 260V_{ac} / 50\div 60Hz$ $V_{OUT}=24V_{dc} \pm 2\%$ (SELV)	9909	00	 Electronic power supply designed to mount on a DIN standard profile 240W $V_{IN}=88\div 264V_{ac} / 50\div 60Hz$ $V_{OUT}=24\div 28V_{dc}$ (SELV) Dim. 63x114x125h	9912	00
 Electronic power supply designed to mount on a DIN standard profile 72W $V_{IN}=220\div 240V_{ac} / 50\div 60Hz$ $V_{OUT}=24V_{dc} \pm 2\%$ (SELV)	9910	00	 Electronic power supply designed to mount on a DIN standard profile 480W $V_{IN}=90\div 264V_{ac} / 50\div 60Hz$ $V_{OUT}=24\div 28V_{dc}$ (SELV) Dim. 86x114x125h	BZK1	00
 Electronic power supply designed to mount on a DIN standard profile 96W $V_{IN}=220\div 240V_{ac} / 50\div 60Hz$ $V_{OUT}=24V_{dc} \pm 2\%$ (SELV)	9911	00			

dimnable monochromatic and RGB LED components

	code	colour		code	colour
 Electronic power supply designed to mount on a DIN standard profile 120W $V_{IN}=88\div 264V_{ac} / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) Dim. 40x114x125h	BZ14	00	 5-pole connector IP68	BZS6	04
 Electronic power supply designed to mount on a DIN standard profile 240W $V_{IN}=88\div 264V_{ac} / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) Dim. 63x114x125h	BZ15	00	 Y-coupling with 5 poles IP68 For connection between DMX or DALI signal cable and power supply cable	BZN7	00 for DMX and DALI versions
 Electronic power supply designed to mount on a DIN standard profile 480W $V_{IN}=90\div 264V_{ac} / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) Dim. 86x114x125h	BZ16	00	 Cap for connectors + terminator resistance 120 Ω	BZQ7	00 for versions DMX-RDM





Monochromatic

RGB

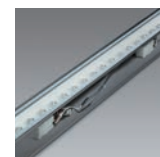
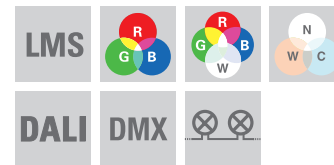
RGBW

Features



- Wall-mounted, ceiling-mounted and on balustrade with optional supports.
- Extruded aluminium body, with die-cast aluminium end caps complete with silicone gaskets.
- Lateral power box in PPS.
- Optical assembly closed on top with a transparent glass screen, 3 mm thick, secured with silicone.
- The lateral box is supplied with double connector, male/female, with 3-pole fast coupling for through wiring and end cap on one side.

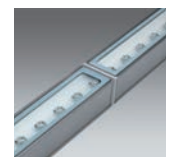
- LED versions available with RGB dynamic colour change and WNC (White Tuning) compatible with lighting management systems.
- Dimmable monochromatic and RGB versions complete with electronic power supply + DALI or DMX-RDM internal driver.
- Luminaire ready for pass-through wiring.
- All external screws are in A2 stainless steel.



DMX ballasts inside luminaire body



Rapid tool-free connection (free tools)




Installed in a continuous line

LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 100000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	T 16	
1160	13W	21W	38%
1740	20W	35W	42%

(3000K) LED energy saving compared with traditional lamps

Flexibility

Linealuce Compact is available in various lengths, so that it can adapt to any lighting design project.



506mm RGB / White Tuning
528mm Monochromatic
540mm Real White (WRGBW)



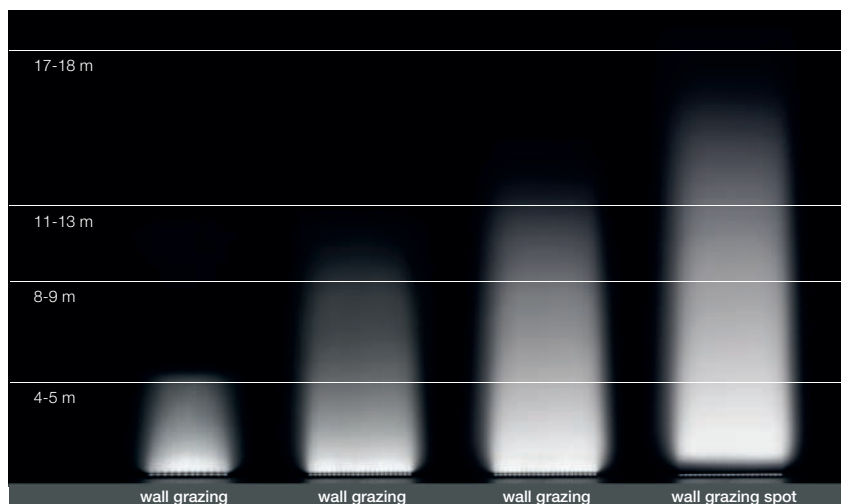
998mm RGB / White Tuning
1026mm Real White (WRGBW)
1056mm Monochromatic



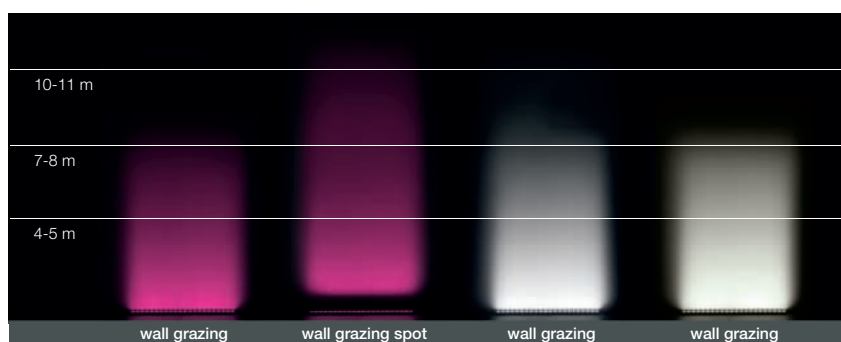
1490mm RGB / White Tuning
1511mm Real White (WRGBW)
1585mm Monochromatic

Lighting performance

The possibility of choosing different power ratings (W/lm) for the same lengths, the efficiency of the latest-generation LEDs, with extremely high-performance optics, make this luminaire suitable for a wide range of applications.



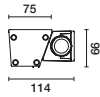
Static 13W/m 12 LED/m	Static 24W/m 22 LED/m	Static or DMX/DALI 35W/m 22 LED/m	Static 35W/m 22 LED/m with diffusing filter
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DMX/DALI 8x3 LED/m	DMX/DALI 8x3 LED/m	Real White DMX/DALI 8x3 LED/m	White Tuning DMX/DALI 8x3 LED/m
-----------------------	-----------------------	-------------------------------------	---------------------------------------



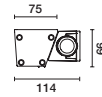
Monochromatic static LED



light source	W*	lm	length	code	colour
LED					
Wall grazing 4÷5 m					
Neutral white					
6,5W	620	528		BG96	15
13W	1240	1056		BG98	15
20W	1860	1585		BH00	15
Warm white					
6,5W	580	528		BG97	15
13W	1160	1056		BG99	15
20W	1740	1585		BH01	15
Wall grazing 8÷9 m					
Neutral white					
12W	1140	528		BH02	15
24W	2270	1056		BH04	15
36W	3410	1585		BH06	15
Warm white					
12W	1060	528		BH03	15
24W	2130	1056		BH05	15
36W	3190	1585		BH07	15
Wall grazing 11÷13 m					
Neutral white					
18W	1500	528		BH08	15
35W	2990	1056		BH10	15
53W	4490	1585		BH12	15
Warm white					
18W	1400	528		BH09	15
35W	2800	1056		BH11	15
53W	4210	1585		BH13	15
Wall grazing spot 13÷18 m					
Neutral white					
18W	1500	528		BI51	15
35W	2990	1056		BI53	15
53W	4490	1585		BI55	15
Warm white					
18W	1400	528		BI52	15
35W	2800	1056		BI54	15
53W	4210	1585		BI56	15

Complete with power supply.
For the system definition, refer to the instructions.

Dimmable monochromatic and RGB LED



light source	W*	lm	length	code	colour
LED					
Wall grazing 11÷13 m					
Neutral white dimmable DALI					
14W	1260	528		BI57	15
27W	2530	1056		BI59	15
41W	3790	1585		BI61	15
Warm white dimmable DALI					
14W	1180	528		BI58	15
27W	2370	1056		BI60	15
41W	3550	1585		BI62	15
Neutral white dimmable DMX-RDM					
14W	1260	528		BI63	15
27W	2530	1056		BI65	15
41W	3790	1585		BI67	15
Warm white dimmable DMX-RDM					
14W	1180	528		BI64	15
27W	2370	1056		BI66	15
41W	3550	1585		BI68	15

Complete with power supply.
Monochromatic DALI versions occupy 1 address.



LED					
Wall grazing 8 m					
RGB DALI					
13W	770	506		BI69	15
27W	1530	998		BI70	15
40W	2300	1490		BI71	15
RGB DMX-RDM					
13W	770	506		BI72	15
27W	1530	998		BI73	15
40W	2300	1490		BI74	15
Wall grazing 6÷8 m					
RGB DMX-RDM					
13W	990	506		BM45	15
27W	1980	998		BM46	15
40W	2970	1490		BM47	15
WRGBW DMX-RDM					
15W	1100	540		BN90	15
28W	2090	1026		BN91	15
42W	3080	1511		BN92	15
Wall grazing 6÷10 m					
WNC DMX-RDM					
14W	1210	506		BM66	15
27W	2420	998		BM67	15
41W	3620	1490		BM68	15
Wall grazing spot 10÷11 m					
RGB DMX-RDM					
13W	770	506		BP14	15
27W	1530	998		BP15	15

DALI RGBW, WRGBW and WNC versions available on request.
Complete with electronic control card and power supply.
RGB DALI versions occupy 3 addresses.

Compatible with light management systems
of the iGuzzini range illustrated on page 659.
For the system definition, refer to the instructions.

Single installation



WRGBW

Continuous line installation













WRGBW

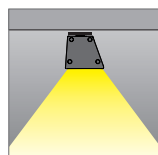
RGBW

RGBW

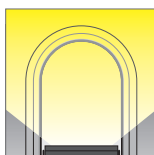
* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

accessories and installation systems

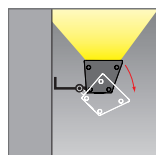
	code	colour		code	colour
 <p>Diffusing filter for Wall washer Spot optic Recommended with WWS optic on smooth surfaces to obtain higher uniformity in initial area of light beam.</p>	BZS8	65 for BI51-BI52	 <p>Plate used for support or ceiling installation</p>	5570	00 for versions L=506-528 540-998-1026-1056
	BZS9	65 for BI53-BI54		5571	00 for versions L=1490-1511-1585
	BZT0	65 for BI55-BI56			
	BZW8	65 for BP14			
	BZW9	65 for BP15			
 <p>Antiglare screen</p>	BZH7	15 for versions L=528	 <p>Wall mounting bracket for LED monochromatic - RGB and WNC</p>	BZ10	15 for versions L=506-528-998-1056
	BZH8	15 for versions L=1056		BZ11	15 for versions L=1490-1585
	BZH9	15 for versions L=1585			
	BZT1	15 for versions L=506			
	BZT2	15 for versions L=998			
	BZT3	15 for versions L=1490			
	BZV6	15 for versions L=540			
	BZV7	15 for versions L=1026			
	BZV8	15 for versions L=1511			
					 <p>Wall mounting bracket for RGBW - WRGWW</p>
				BZW0	15 for versions L=1490-1511
			 <p>Adjustable arms +/- 90° for wall or ceiling mounting L=138</p>	BZX2	13
			 <p>Adjustable arms +/- 90° for wall or ceiling mounting L=310</p>	BZX3	13
			 <p>Adjustable arms +/- 90° L=138 mm</p>	5576	15
			 <p>Arms extendable and adjustable +/- 90° L=309÷389</p>	5577	15
			 <p>Brackets for balustrade mounting L=297</p>	5578	15



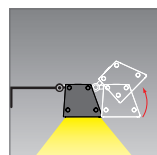
Ceiling-mounted with plate



Surface-mounted with plate






Wall-mounted with adjustable arms




Wall-mounted with adjustable and extendable arms

Linealuce Compact






monochromatic static LED components


	code	colour
	BZI2	04
	BZI3	04
	BZI4	04

 Multi-pole cable units with 3-pole end connectors (male + female)

code	colour
BZJ0	04
for continuous line connections modules L=528	
BZJ1	04
for continuous line connections modules L=1056	
BZJ2	04
for continuous line connections modules L=1585	

dimnable monochromatic and RGB LED components

	code	colour
	BZI5	04
	BZI6	04
	BZI7	04
 For connection between DMX or DALI signal cable and power supply cable	BZN7	00 for DMX and DALI versions
 resistance 120 Ω	BZQ7	00 for DMX-RDM versions

 Multi-pole cable units with 5-pole end connectors (male + female)

for modules connected in continuous line LED monochrome DALI-DMX

code	colour
BZJ3	04
for modules L=528	
BZJ4	04
for modules L=1056	
BZJ5	04
for modules L=1585	

Multi-pole cable units with 5-pole end connectors (male + female)

for modules connected in continuous line RGB DALI-DMX RGBW DMX - WNC DMX

BZT4	04
for modules L=506	
BZT5	04
for modules L=998	
BZT6	04
for modules L=1490	

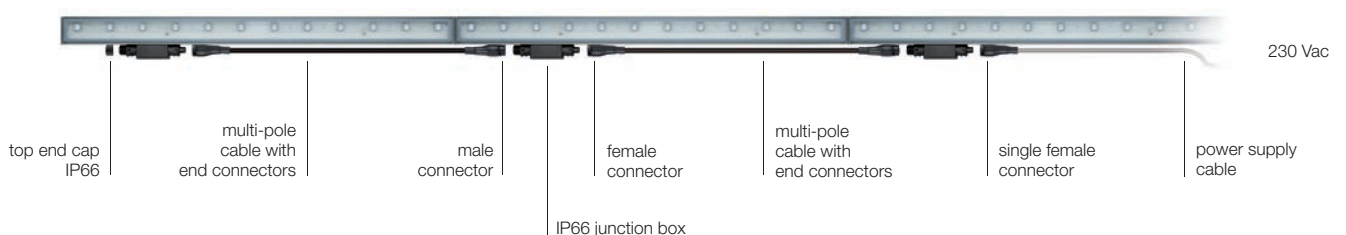
Multi-pole cable units with 5-pole end connectors (male + female)

for modules connected in continuous line WRGBW DMX

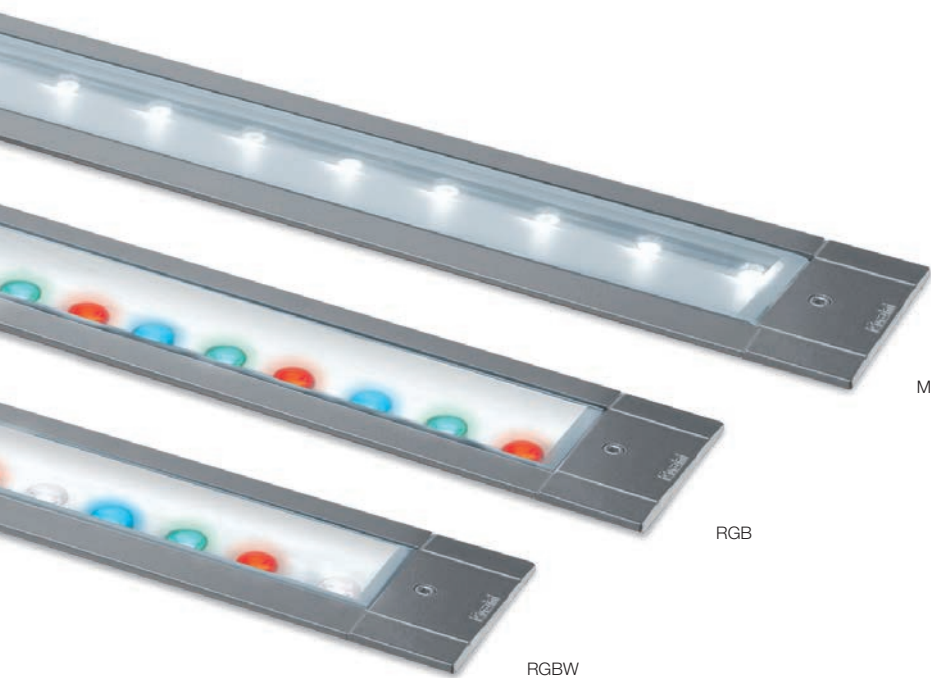
BZW1	04
for modules L=540	
BZW2	04
for modules L=1026	
BZW3	04
for modules L=1511	

Simplified wiring

Linealuce Compact comes with fast, easy pass-through wiring. So, during mounting operations, the luminaire is never opened, significantly reducing installation times and costs and at the same time increasing operator safety. The wiring box has two inlets, male and female, and a cap for the unused inlet.



Linealuce Compact recessed



Monochromatic

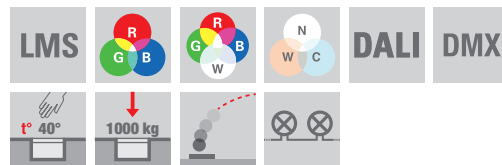
RGB

RGBW

Features



- Wall/ceiling/floor-recessed luminaire for use with LEDs.
- Fitting has a body and counterframe for installation (which can be ordered separately).
- Extruded aluminium body closed at the top by a semi-acid etched or no-skid glass screen secured in place with silicone; with die-cast aluminium end caps complete with silicone seals; aluminium outer casing with technopolymer caps.
- LED versions available with RGB dynamic colour change and WNC (White Tuning) compatible with lighting management systems.
- Dimmable monochromatic and RGB versions complete with electronic power supply + DALI or DMX-RDM internal driver.
- Luminaire ready for pass-through wiring.
- All external screws are in A2 stainless steel.



Versions equipped with no-skid glass



Temperature <40° C



Static load resistance 1000 Kg

LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	T 16	ENERGY SAVING
1160	13W	21W	38%
1400	18W	28W	36%

(3000K) LED energy saving compared with traditional lamps

Linealuce Compact recessed

Flexibility

Linealuce Compact recessed is available in various lengths, so that it can adapt to any lighting design project.



579 RGB / White Tuning
601 Monochromatic



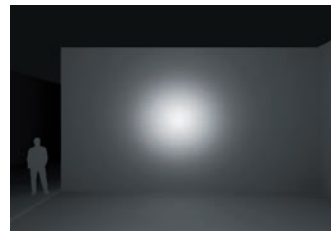
1071 RGB / White Tuning
1129 Monochromatic






1543 RGB / White Tuning
1658 Monochromatic

Lighting performance

The possibility of choosing different power ratings (W/lm) for the same lengths, the efficiency of the latest-generation LEDs, with extremely high-performance optics, make this luminaire suitable for a wide range of applications.





F - Flood


	7-8 m				
	4-5 m				
	wall grazing	wall grazing	wall grazing	wall grazing	wall grazing
	Static 13W/m 12 LED/m	Static or DMX/DALI 35W/m 22 LED/m	 White Tuning DMX/DALI 8x3 LED/m	 DMX/DALI 8x3 LED/m	 Real White DMX/DALI 8x3 LED/m




Monochromatic static LED


light source	W*	lm	length	code colour
	No-skid glass			
	Flood optic 40°			
	Neutral white			
	18 W	1470	601	BM98 15
	35 W	2940	1129	BN00 15
	53 W	4410	1658	BN02 15
Warm white				
18 W	1380	601	BM99 15	
35 W	2750	1129	BN01 15	
53 W	4130	1658	BN03 15	
Complete with power supply				


light source	W*	lm	length	code colour
	Transparent glass			
	Wall grazing 4÷5 m			
	Neutral white			
	6,5 W	620	601	BM86 15
	13 W	1240	1129	BM88 15
	20 W	1860	1658	BM90 15
Warm white				
6,5 W	580	601	BM87 15	
13 W	1160	1129	BM89 15	
20 W	1740	1658	BM91 15	
Complete with power supply				

light source	W*	lm	length	code colour
	Semi-acid etched glass			
	Wall grazing 11÷13 m			
	Neutral white			
	18 W	1500	601	BM92 15
	35 W	2990	1129	BM94 15
	53 W	4490	1658	BM96 15
Warm white				
18 W	1400	601	BM93 15	
35 W	2800	1129	BM95 15	
53 W	4210	1658	BM97 15	
Complete with power supply				

Dimmable monochromatic and RGB LED

light source	W*	lm	length	code colour
	No-skid glass			
	Flood optic 40°			
	Neutral white dimmable DALI			
	14 W	1260	601	BN16 15
	27 W	2530	1129	BN18 15
	41 W	3790	1658	BN20 15
Warm white dimmable DALI				
14 W	1180	601	BN17 15	
27 W	2370	1129	BN19 15	
41 W	3550	1658	BN21 15	
Complete with power supply. Occupies 1 address. DMX versions available on request.				

light source	W*	lm	length	code colour
	Semi-acid etched glass			
	Wall grazing 11÷13 m			
	Neutral white dimmable DALI			
	14 W	1260	601	BN04 15
	27 W	2530	1129	BN06 15
	41 W	3790	1658	BN08 15
Warm white dimmable DALI				
14 W	1180	601	BN05 15	
27 W	2370	1129	BN07 15	
41 W	3550	1658	BN09 15	
Complete with power supply. Occupies 1 address. DMX versions available on request.				

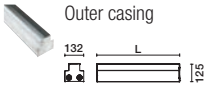
light source	W*	lm	length	code colour
	Transparent glass			
	Wall grazing 6÷8 m			
	RGB DMX-RDM			
	13 W	770	579	BN31 15
	27 W	1530	1071	BN32 15
	40 W	2300	1563	BN33 15
RGBW DMX-RDM				
13 W	990	579	BN43 15	
27 W	1980	1071	BN44 15	
40 W	2970	1563	BN45 15	
Wall grazing 6÷10 m				
WNC DMX-RDM				
14 W	1210	579	BP03 15	
27 W	2420	1071	BP04 15	
41 W	3620	1563	BP05 15	
Complete with electronic control card and power supply.				



Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



Linealuce Compact recessed

installation systems

	code	colour	length
 <p>Outer casing</p>	BZV3	00	559 for versions L=579
	BZV0	00	581 for versions L=601
	BZV4	00	1052 for versions L=1071
	BZV1	00	1110 for versions L=1129
	BZV5	00	1545 for versions L=1563
	BZV2	00	1640 for versions L=1658

	code	colour
 <p>Steel cables kit L=570 with reinforcement plates for false ceiling application</p>	5926	00
 <p>Steel cable L=200 for wall application</p>	5925	00

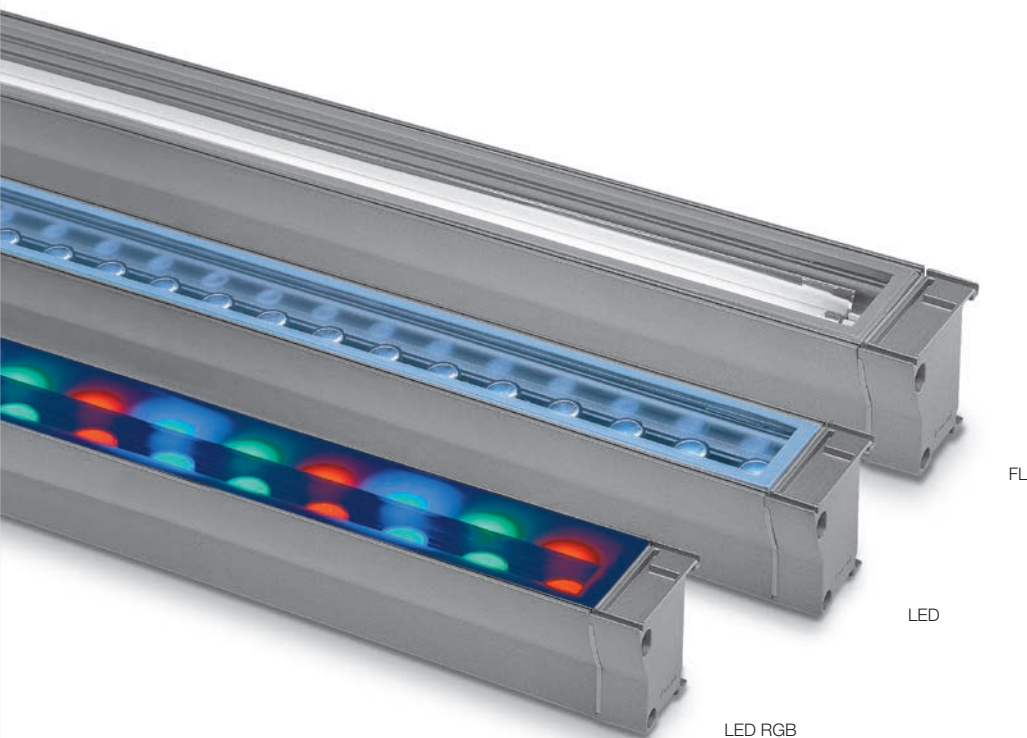
dimmable monochromatic and RGB LED components

	code	colour
 <p>5-pole connector IP68</p>	BZS6	04
 <p>Y-coupling with 5 poles IP68 For connection between DMX or DALI signal cable and power supply cable</p>	BZN7	00

	code	colour
 <p>Cap for connectors + terminator resistance 120 Ω for versions DMX-RDM</p>	BZQ7	00



Linealuce



Features




- Direct light luminaire for use with fluorescent lamps and LEDs.
- Wall-mounted, ceiling-mounted, pendant and on balustrade with optional supports.
- Body and support elements (ordered separately).
- Extruded aluminium body closed at the top by a transparent glass screen secured in place with silicone; with die-cast aluminium end caps complete with silicone seals; super-pure aluminium reflector for FL versions.
- LED versions available with RGB dynamic colour change compatible with lighting management systems.
- RGB DALI LED versions with DIRECT-DIM and FL DALI with SWITCH-DIM; possibility of also adjusting using a simple electric push-button.
- Ready for pass-through wiring (except LED and FL DALI versions).
- Temperature of contact < 40°C.
- All external screws are in A2 stainless steel.



LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature: Neutral white **4000K**
Warm white **3000K**

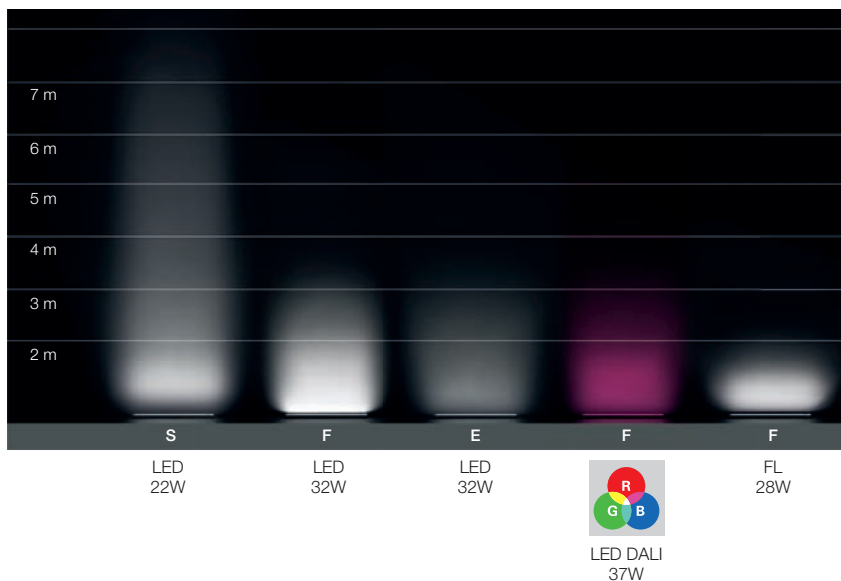
Energy saving

lumen lm	LED	T 16	
1040	16W	21W	24%
2080	32W	39W	18%

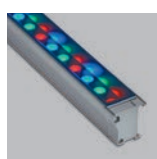
(3000K) LED energy saving compared with traditional lamps

Lighting performance

Performance comparison, with equal fluorescent/LED power for the various optics.



light source	W*	lm	length	optic	code colour
LED	Neutral white				
	8,1W	600	376	8°	BB65 15
	16W	1200	638	8°	BB66 15
	24W	1800	942	8°	BB67 15
	32W	2400	1238	8°	BB68 15
	8,1W	600	376	32°	BB69 15
	16W	1200	638	32°	BB70 15
	24W	1800	942	32°	BB71 15
	32W	2400	1238	32°	BB72 15
	32W	2440	1238	10°/48°	*BD65 15



light source	W*	lm	length	optic	code colour
LED	RGB DALI (48÷56Vdc)				
	18W	700	688	35°	BA76 15
	26W	970	942	35°	BA77 15
	37W	1390	1303	35°	BA78 15

Complete with electronic DALI control card.
Power supply to be ordered separately.
Occupies 3 addresses

Warm white					
	8,1W	520	376	8°	B745 15
	16W	1040	638	8°	B747 15
	24W	1560	942	8°	B749 15
	32W	2080	1238	8°	B751 15
	8,1W	520	376	32°	B746 15
	16W	1040	638	32°	B748 15
	24W	1560	942	32°	B750 15
	32W	2080	1238	32°	B752 15
	32W	2110	1238	10°/48°	*BD66 15

Complete with power supply.
On request available with LED cool white and blue.
* L=942 version available upon request

Neutral white DALI (48÷56Vdc)					
	24W	1800	942	8°	*BB81 15
	35W	2580	1303	8°	BB83 15
	24W	1800	942	32°	*BB87 15
	35W	2580	1303	32°	BB89 15

Warm white DALI (48÷56Vdc)					
	24W	1560	942	8°	*BB82 15
	35W	2230	1303	8°	BB84 15
	24W	1560	942	32°	*BB88 15
	35W	2230	1303	32°	BB90 15

Complete with electronic DALI control card.
Power supply to be ordered separately.
Occupies 1 address.
* L=688 version available upon request

















T 16 (65)	Electronic	W*	lm	length	optic	code colour
		14W	638	638	83°/107°	7862 15
		21W	942	942	83°/107°	7863 15
		28W	1238	1238	83°/107°	7864 15
		35W	1538	1538	85°/105°	7865 15
	DALI	21W	942	942	83°/107°	B857 15
		28W	1238	1238	83°/107°	B858 15
		35W	1538	1538	85°/105°	B859 15

Single entrance for power cord.
L=668 version available upon request.
DALI versions occupies 1 address.




Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

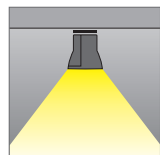
accessories and installation systems

	code	colour
 Diffusing filter for FL versions	5504	65 for versions L=638
	5505	65 for versions L=942
	5506	65 for versions L=1238
	5507	65 for versions L=1538
	5594	15 for versions L=376
 Antiglare screen	5508	15 for versions L=638
	5554	15 for versions L=688
	5509	15 for versions L=942
	5510	15 for versions L=1238
	5561	15 for versions L=1303
	5511	15 for versions L=1538
	 Longitudinal baffle cut-off 60° for FL versions	5520
5521		04 for versions L=942
5522		04 for versions L=1238
5523		04 for versions L=1538
 Transverse baffle cut-off 40° for FL versions	5524	04 for versions L=638
	5525	04 for versions L=942
	5526	04 for versions L=1238
	5527	04 for versions L=1538
 Longitudinal baffle cut-off 40° for FL versions	5516	04 for versions L=638
	5517	04 for versions L=942
	5518	04 for versions L=1238
	5519	04 for versions L=1538

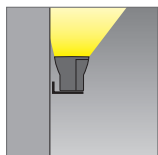
	code	colour
 Plate used for support or ceiling installation	5570	00 for versions L=376-638-688-942
	5571	00 for versions L=1238-1303
 Wall mounting plate	5572	15 for versions L=376-638-688-942
	5573	15 for versions L=1238-1303
 Adjustable arms +/- 90° L=138 mm	5576	15
 Arms extendable and adjustable +/- 90° L=309±389	5577	15
 Brackets for balustrade mounting L=297	5578	15
 Suspension cable L=2000	5588	00
 Suspension cable with power supply L=2000 For LED RGB and monochromatic LED DALI versions we recommend using 2 units (1 for the over line and 1 for the DALI line)	5589	15 for LED and electronic FL versions
	BZ10	15 for FL DALI versions
 Rod without power supply L=565	5590	15
 Rod with power supply L=565 For LED RGB and monochromatic LED DALI versions we recommend using 2 units (1 for the over line and 1 for the DALI line)	5591	15 for LED and electronic FL versions
	BZ11	15 for FL DALI versions

components

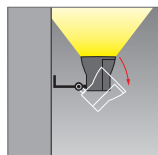
	code	colour
 Electronic power supply designed to mount on a DIN standard profile 120W VIN=88±264Vac / 47±63Hz Vout=48±55V (SELV) Dim. 40x114x125h	BZ14	00
 Electronic power supply designed to mount on a DIN standard profile 240W VIN=88±264Vac / 47±63Hz Vout=48±55V (SELV) Dim. 63x114x125h	BZ15	00
 Electronic power supply designed to mount on a DIN standard profile 480W VIN=90±264Vac / 47±63Hz Vout= 48±55V (SELV) Dim. 86x114x125h	BZ16	00



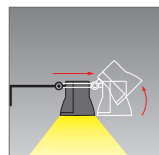
Ceiling-mounted
with plate



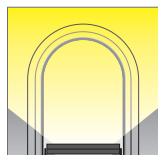
Wall-mounted



Wall-mounted with
adjustable arms



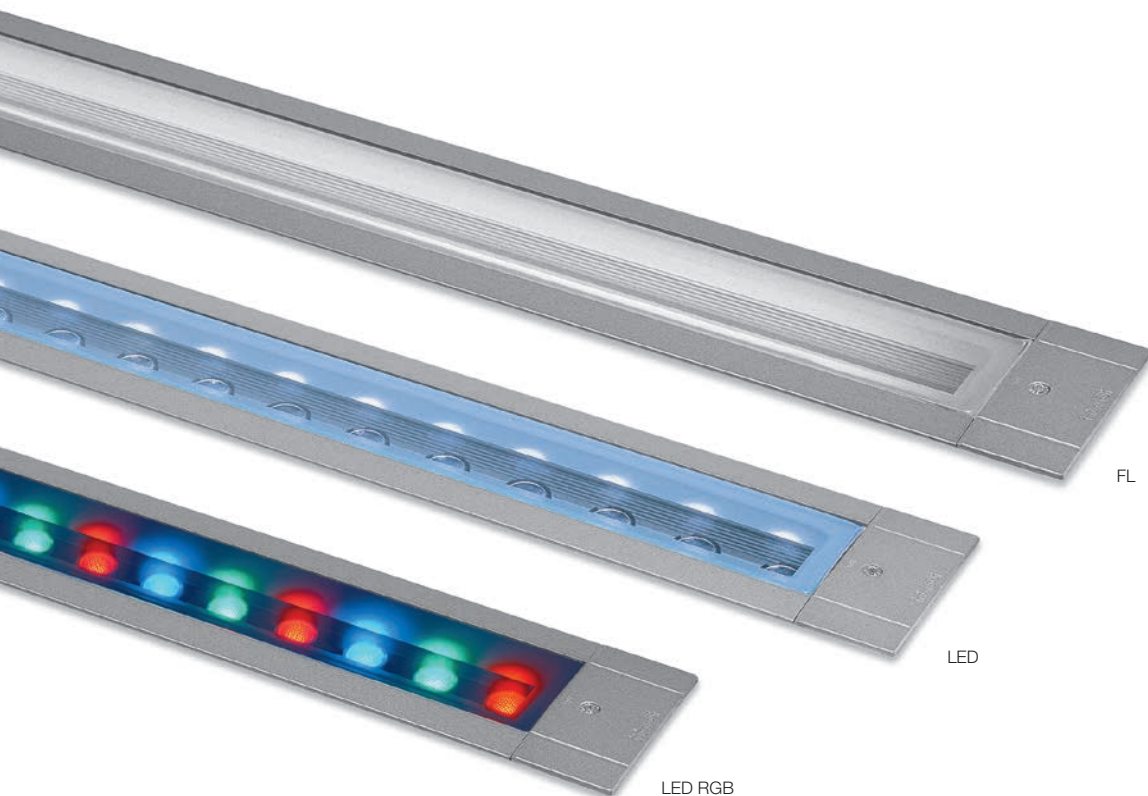
Wall-mounted with
extendable and
adjustable arms



Surface-mounted
with plate



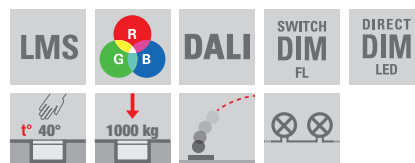
Pendant



Features



- Wall/ceiling/floor-recessed luminaire for use with fluorescent lamps and LEDs.
- Fitting has a body and counterframe for installation (which can be ordered separately).
- Extruded aluminium body closed at the top by a semi-acid etched or no-skid glass screen secured in place with silicone; with die-cast aluminium end caps complete with silicone seals; super-pure aluminium reflector for FL versions; aluminium outer casing with technopolymer caps.
- LED versions available with RGB dynamic colour change compatible with lighting management systems.
- RGB DALI LED versions with DIRECT-DIM and FL DALI with SWITCH-DIM; possibility of also adjusting using a simple electric push-button.
- Luminaire ready for pass-through wiring.
- Static load resistance 1000 Kg
- Temperature of contact < 40°C.
- All external screws are in A2 stainless steel.



Version equipped with no-skid glass



Temperature <40° C for LED versions



Static load resistance 1000 Kg

LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature: Neutral white **4000K** Warm white **3000K**

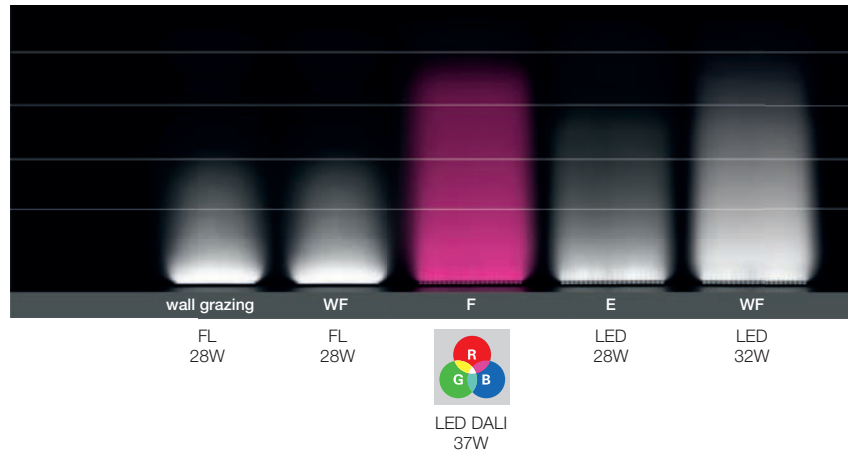
Energy saving

lumen lm	LED	T 16	ENERGY SAVING
1040	16W	21W	24%
1560	24W	35W	31%
2110	32W	39W	18%

(3000K) LED energy saving compared with traditional lamps

Lighting performance

Performance comparison, with equal fluorescent/LED power for the various optics.







light source	W*	lm	length	optic	code	colour
LED	Semi-acid-finished glass					
	Neutral white					
16W	1200	668	WG	BB73	15	
24W	1800	972	WG	BB74	15	
32W	2400	1268	WG	BB75	15	
32W	2440	1268	10°/48°	*BD69	15	
	Warm white					
16W	1040	668	WG	BA53	15	
24W	1560	972	WG	BA56	15	
32W	2080	1268	WG	BA59	15	
32W	2110	1268	10°/48°	*BD70	15	
	On request available with LED cool white and blue. * L=972 version available upon request					
	Neutral white DALI					
24W	1830	972	WG	*BB93	15	
35W	2610	1334	WG	BB95	15	
	Warm white DALI					
24W	1580	972	WG	*BB94	15	
35W	2260	1334	WG	BB96	15	
	Complete with electronic DALI control card. Power supply to be ordered separately. Occupies 1 address. * L=719 version available upon request					
	RGB DALI (48÷56Vdc)					
18W	700	719	WG	BA70	15	
26W	970	972	WG	BA71	15	
37W	1390	1334	WG	BA72	15	
	Complete with electronic DALI control card. Power supply to be ordered separately. Occupies 3 addresses					

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.



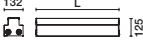





light source	W*	lm	length	optic	code	colour
LED	No-skid glass					
	Neutral white					
16W	1200	668	42°	BB76	15	
24W	1800	972	42°	BB77	15	
32W	2400	1268	42°	BB78	15	
	Warm white					
16W	1040	668	42°	BA62	15	
24W	1560	972	42°	BA65	15	
32W	2080	1268	42°	BA68	15	
	On request available with LED cool white and blue.					
	Neutral white DALI					
24W	1830	972	42°	*BB99	15	
35W	2610	1334	42°	BC02	15	
	Warm white DALI					
24W	1580	972	42°	*BC01	15	
35W	2260	1334	42°	BC03	15	
	Complete with electronic DALI control card. Power supply to be ordered separately. Occupies 1 address. * L=719 version available upon request					
	RGB DALI (48÷56Vdc)					
18W	700	719	47°	BA73	15	
26W	970	972	47°	BA74	15	
37W	1390	1334	47°	BA75	15	
	Complete with electronic DALI control card. Power supply to be ordered separately. Occupies 3 addresses					




* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

	light source	W	length	optic	code	colour		light source	W	length	optic	code	colour
 	T 16 (G5)	Electronic					 	T 16 (G5)	Electronic				
		14 W	668	WG	7879	15			14 W	668	91°	7890	15
		21 W	972	WG	7880	15			21 W	972	91°	7891	15
		28 W	1268	WG	7881	15			28 W	1268	91°	7892	15
		35 W	1568	WG	7882	15		35 W	1568	91°	7893	15	
	DALI						DALI						
		21 W	972	WG	B861	15		21 W	972	91°	B865	15	
		28 W	1268	WG	B862	15		28 W	1268	91°	B866	15	
		35 W	1568	WG	B863	15		35 W	1568	91°	B867	15	
	Ready for pass-through cables. DALI versions (class I) occupy 1 address. L=668 DALI version available upon request.							Ready for pass-through cables. DALI versions (class I) occupy 1 address. L=668 DALI version available upon request.					

accessories and installation systems

	code	colour		code	colour	length
 Diffusing filter for FL versions	5504	65	 Outer casing 	5902	00	648
		for versions L=668				for versions L=668
	5505	65		BZ12	00	700
		for versions L=972				for versions L=719
	5506	65		5903	00	953
	for versions L=1268			for versions L=972		
	5507	65	5904	00	1250	
	for versions L=1568			for versions L=1268		
 Micro-perforated screen for FL versions	5914	04	 Steel cables kit L=570 with reinforcement plates for false ceiling application	5926	00	
		for versions L=668				
	5915	04				
		for versions L=972				
	5916	04				
	for versions L=1268					
	5917	04	 Steel cable L=200 for wall application	5925	00	
	for versions L=1568					

components

	code	colour		code	colour
 Electronic power supply designed to mount on a DIN standard profile 120 W $V_{IN}=88\pm 264V_{ac} / 47\pm 63Hz$ $V_{OUT}=48\pm 55V (SELV)$ Dim. 40x114x125h	BZ14	00	 Electronic power supply designed to mount on a DIN standard profile 480 W $V_{IN}=90\pm 264V_{ac} / 47\pm 63Hz$ $V_{OUT}=48\pm 55V (SELV)$ Dim. 86x114x125h	BZ16	00
 Electronic power supply designed to mount on a DIN standard profile 240 W $V_{IN}=88\pm 264V_{ac} / 47\pm 63Hz$ $V_{OUT}=48\pm 55V (SELV)$ Dim. 63x114x125h	BZ15	00			



Led Tube

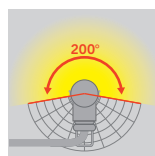
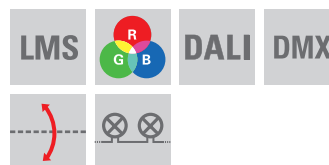


Features



- Direct light luminaire for use with monochromatic and RGB signalling LEDs.
- LED versions available with RGB dynamic colour change compatible with lighting management systems.
- Ceiling, wall and floor installation.
- Cylindrical body in extruded polycarbonate: end caps and cable clamp supports in die-cast zamak complete with silicone gaskets.

- Secured with stainless steel arms h=60 and h=120 mm.
- Luminaire ready for pass-through wiring.
- All external screws are in A2 stainless steel.



Distribution of light 200°



360° rotation relative to the accessory arm



Installed in a continuous line



Arm available in two heights: 60 and 120 mm

LED


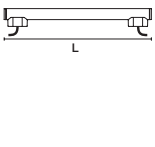
- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving


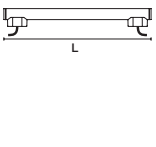
lumen lm	LED	T 16	ENERGY SAVING
360	3,8W	8W	52%
1080	11,5W	21W	45%
1440	15,4W	28W	45%

(3000K) LED energy saving compared with traditional lamps



light source	W*	lm	length	code colour
	Neutral white			
	3,8W	390	415	BJ45 A5
	7,7W	780	815	BJ47 A5
	11,5W	1170	1215	BJ49 A5
	Warm white			
	3,8W	360	415	BJ46 A5
	7,7W	720	815	BJ48 A5
	11,5W	1080	1215	BJ50 A5

24Vdc power supply to be ordered separately.
Complete with outgoing cables L=500









light source	W*	lm	length	code colour
	RGB PWM			
	3,4W	50	415	BJ57 A5
	6,8W	100	815	BJ58 A5
	13,6W	150	1215	BJ59 A5
	17W	200	1615	BJ60 A5
	RGB DMX			
	3,4W	50	415	* BJ53 A5
	6,8W	100	815	* BJ54 A5
	13,6W	150	1215	* BJ55 A5
	17W	200	1615	* BJ56 A5









* Complete with electronic control card.
24Vdc power supply to be ordered separately.

Complete with outgoing cables L=500

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

installation systems and components

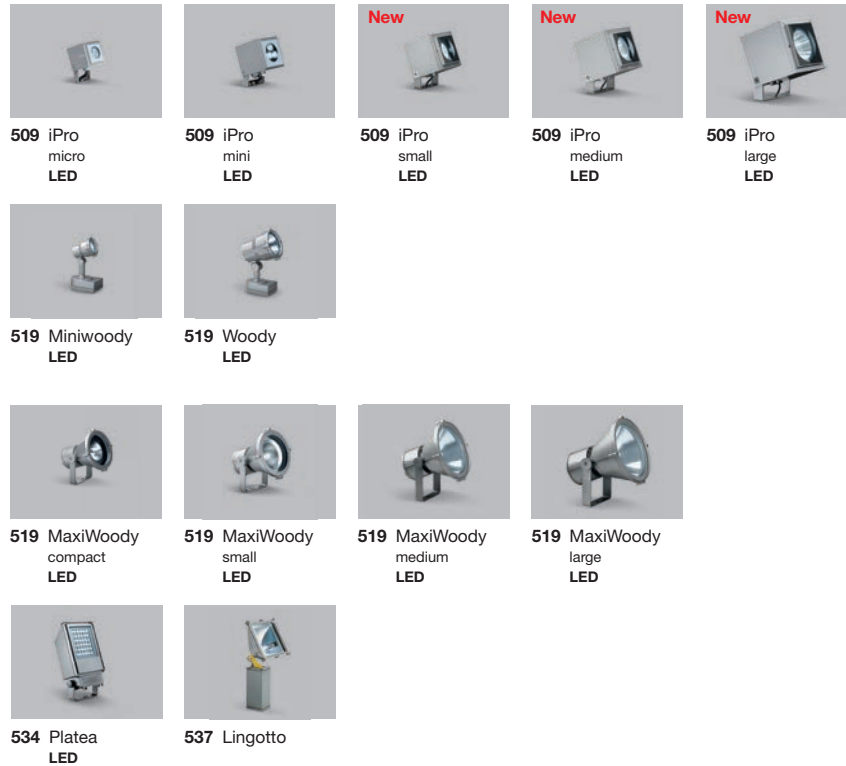
	code	colour
 Fixing arms h=60 h=120	BZN5 BZN6	13 13
 Constant-voltage electronic ballast 50W 24V I _{OUT} =2A	MWK4	00
 Constant-voltage electronic ballast 70W 24V I _{OUT} =2,9A	MWK5	00
 DALI dimming interface monochromatic LED 120W 24V V _{IN} =10-24Vdc V _{OUT} =10,5-24Vdc	MWP3	00
 Electronic power supply designed to mount on a DIN standard profile 10 W V _{IN} =220±240Vac / 50±60Hz V _{OUT} =24Vdc ±2% (SELV)	9908	00
 Electronic power supply designed to mount on a DIN standard profile 24 W V _{IN} =90÷-260Vac / 50±60Hz V _{OUT} =24Vdc ±2% (SELV)	9909	00
 Electronic power supply designed to mount on a DIN standard profile 72 W V _{IN} =220±240Vac / 50±60Hz V _{OUT} =24Vdc ±2% (SELV)	9910	00
 Electronic power supply designed to mount on a DIN standard profile 96 W V _{IN} =220±240Vac / 50±60Hz V _{OUT} =24Vdc ±2% (SELV)	9911	00

	code	colour
 Electronic power supply designed to mount on a DIN standard profile 120 W V _{IN} =88±264Vac / 50±60Hz V _{OUT} =24±28Vdc (SELV) Dim. 40x114x125h	BZK0	00
 Electronic power supply designed to mount on a DIN standard profile 240 W V _{IN} =88±264Vac / 50±60Hz V _{OUT} =24±28Vdc (SELV) Dim. 63x114x125h	9912	00
 Colour LED Interface Number of DIN modules: 7 - Controls RGB PWM devices - Power consumption: 3 W - The number of devices controlled by each supplier is indicated in the instruction sheet - Occupies 3 DALI addresses	9639	00
 Box for power supplies IP67 Dim. 140x230x95h	9582	00 not suitable for power supplies MWK4-MWK5
 2-way connector with 2-pin terminal board IP68 Suitable for cables 2x2,5 mm ²	BZK6	00 for monochromatic LED
 2-way connector with 5-pin terminal board IP68	BZS6	04 for RGB versions
 Y-coupling with 5 poles IP68 For connection between DMX signal cable and power supply cable	BZN7	00 for RGB DMX versions
 Cap for connectors + terminator resistance 120 Ω	BZQ7	00 for RGB DMX versions

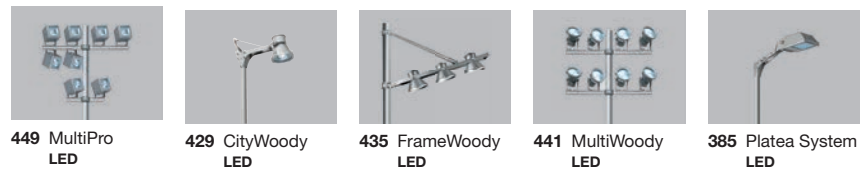
* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



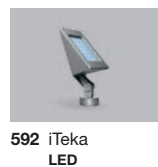
Floodlights

















Systems with floodlights are presented in the chapter on "Pole-mounted systems"



The codes, technical and lighting design features of this floodlight are presented in the chapter on "Bollards and Systems for residential areas".



Floodlights

Luminaires for urban areas	iPro large	MaxiWoody compact	MaxiWoody small	MaxiWoody medium	MaxiWoody large	Platea	Lingotto
 Superspot optic	●	●	●	●	●		
 Spot optic	●		●	●	●	●	
 Medium optic		●	●	●	●		
 Flood optic	●	●	●		●	●	●
 Wide Flood optic		●	●	●			
 Elliptical* optic	●	●	●	●	●		
 Longitudinal asymmetric optic	●	●				●	●
 Transversal asymmetric optic	●						
 Longitudinal Elliptical* optic						●	
 Transversal Elliptical* optic						●	
 Longitudinal Light Sliver optic						●	
 Transversal Light Sliver optic						●	
 LED lamp	●	●	●	●	●	●	
 Traditional lamp	●	●	●	●	●	●	●

* The Elliptical optic is obtained by fitting the appropriate accessory.

Luminaires for urban areas

iPro micro



iPro mini



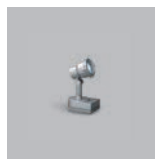
iPro small



iPro medium



Miniwoody



Woody

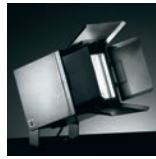


Floodlights

Visual comfort



A vast set of optical accessories is available, for reducing glare.



Directional flaps



Visor

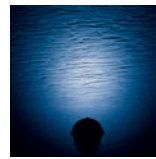
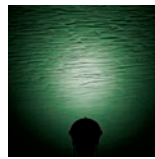
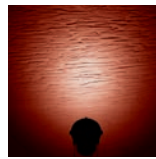


Cylindrical screen

RGB



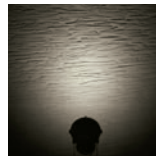
RGB LED technology generates variable coloured light. Mixing of the three primary colours (red, green, blue) produces a complete range of colours, creating impressive set-ups.



White Tuning



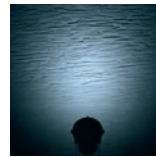
These versions allow continuous adjustment of the colour temperature from 2700 to 6000K.



Warm white
2700K



Neutral white
4000K



Cool white
6000K

Coloured filters



The luminaire/coloured filters combination uses colours to emphasise and change spaces and objects.



Coloured filters

Diffusing filter



Installation of the diffusing filter improves uniformity on the surface lit.

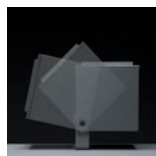


Prismatic filter
diffuser

Adjustability and locking mechanism



This system allows precision adjustment and locking of the floodlight angle, keeping the direction of the beam of light stable.



Inclination



Graduated scale
and locking
mechanism





BIENVENIDOS
WELCOME
BIENVENUE
WILLKOMMEN

ZENIA
SQUADRA



micro \varnothing 51



mini \varnothing 81



small \varnothing 132



medium \varnothing 155



large \varnothing 192



Features



- Direct light luminaire for use with LEDs.
- Installation on the ground, wall, ceiling and garden.
- Die-cast aluminium optical assembly and rear cap; transparent tempered sodium-calcium sealing glass, 4 mm thick, siliconed to optical assembly.
- Versions with front cylinder (for a cleaner light beam) made of methacrylate with black paint finish fixed with silicone to optical assembly.
- All products are provided with lenses or high reflection flux enhancers in thermoplastic material.

- Mini body versions provided with electronic power supply; micro body with electronic power supply to be ordered separately except ground/garden versions with in-ground spike (power supply integrated).
- LED versions available with RGB dynamic colour change compatible with lighting management systems.
- Graduated scale and mechanical aiming lock.
- Luminaire ready for pass-through wiring.
- All external screws are in A2 stainless steel.



Compact size

Optics and lamps

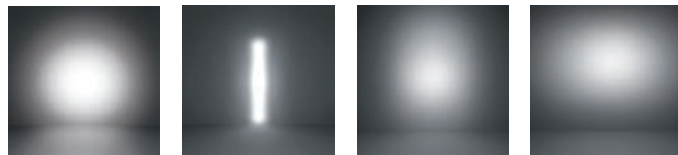


SS - Superspot
 $\alpha < 8^\circ$

S - Spot
 α from 9° to 15°

M - Medium
 α from 16° to 25°

F - Flood
 α from 26° to 39°



WVF - Very Wide Flood

L - Light Sliver

EL - Longitudinal Elliptical

ET - Transversal Elliptical

Versions


Micro and mini body floodlights are available in wall-/ceiling-mounted versions. The codes, technical and lighting design features are on page 636.



LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 100000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51	
360	4,7W	20W	76%

(3000K) LED energy saving compared with conventional lamps



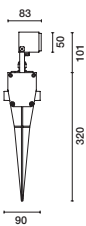
01
WHITE

15
GREY



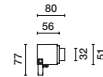
light source	W*	lm	optic	code colour
LED				
Neutral white				
4,7W	390		L	BJ88 01-15
2,2W	190		8°	* BJ90 01-15
4,7W	390		18°	BJ94 01-15
4,7W	390		26°	BJ98 01-15
2,2W	190		84°	* BK00 01-15
Warm white				
4,7W	360		L	BJ89 01-15
2,2W	180		8°	* BJ91 01-15
4,7W	360		18°	BJ95 01-15
4,7W	360		26°	BJ99 01-15
2,2W	180		84°	* BK01 01-15

Power supply to be ordered separately to 500mA
* Power supply codes max700 mA
(for the a 500mA data refer to the on-line catalogue)



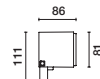
light source	W*	lm	optic	code colour
LED				
Neutral white				
4,7W	390		18°	BK14 01-15
4,7W	390		26°	BK16 01-15
Warm white				
4,7W	360		18°	BK15 01-15
4,7W	360		26°	BK17 01-15

Complete with power supply and pass-through wiring
Class of Insulation II



light source	W*	lm	optic	code colour
LED				
Neutral white				
2,2W	190		8°	* BJ92 01-15
4,7W	390		16°	BJ96 01-15
Warm white				
2,2W	180		8°	* BJ93 01-15
4,7W	360		16°	BJ97 01-15

Power supply to be ordered separately to 500mA
* Power supply codes max700 mA (for the a 500mA data refer to the on-line catalogue)



light source	W*	lm	optic	code colour
LED				
Neutral white				
4,7W	400		8°	BK18 01-15
4,7W	400		ET	BK20 01-15
4,7W	400		EL	BK22 01-15
4,7W	400		34°	BK24 01-15
4,7W	400		90°	BK26 01-15
Warm white				
4,7W	380		8°	BK19 01-15
4,7W	380		ET	BK21 01-15
4,7W	380		EL	BK23 01-15
4,7W	380		34°	BK25 01-15
4,7W	380		90°	BK27 01-15

Complete with power supply
Class of Insulation II



light source	W*	lm	optic	code colour
LED				
RGB				
4,6W	200		32°	BK28 01-15

DALI or DMX-RDM driver group to be ordered separately.

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

installation systems and components

	code colour	code colour
Spike for ground application	--- ---	BZ60 00
Electronic power supply 6W - IP20 VIN=100-240Vac / 50-60 Hz VOUT=12Vdc 500mA dim. 40x42x22h	BZ98 00	--- ---
Electronic power supply 20W - IP20 VIN=110-240Vac / 50-60 Hz VOUT=42Vdc 500mA dim. 38x119x28h	BZA0 00	--- ---
Electronic power supply 17W - IP20 for BJ90-BJ91-BJ92 BJ93- BK00-BK01 VIN=220-240Vac / 50-60 Hz VOUT=2-25Vdc 700mA dim. 37x128x28h	MXF9 00	--- ---
Box for power supplies IP67 dim. 140x230x95h	9582 00	--- --- for BZ98-BZ99-BZA0-MXF9
Box for power supplies IP67 dim. 280x190x130h	--- ---	BZ33 00 for 9586

	code colour	code colour
Connector block with fast-coupling terminals - IP66 Suitable for cables 2x4 mm ²	BZK7 15	--- ---
Watertight connector kit IP68	9581 04	9581 04 for monochromatic LED
Connector IP68 Suitable for cables 2x2,5 mm ²	BZK6 00	--- ---
Driver Group - Class II 220-240Vac Composed of DALI 350mA control interface and 30 W 48Vdc electronic power supply. Occupies 3 DALI addresses.	--- ---	9856 00 for connecting max. 2 luminaires BK28
Driver Group - Class II 220-240Vac Composed of DMX-RDM control interface and 30 W 48Vdc electronic power supply.	--- ---	X001 00 for connecting max. 4 luminaires BK28

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

iPro small / medium / large

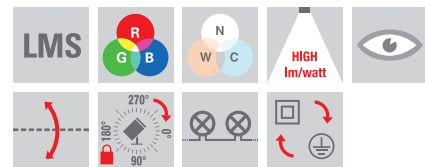
design Mario Cucinella



Features



- Direct light luminaire for use with metal halide, sodium vapour, halogen lamps and LEDs.
- Installation on wall with bracket, surface and floor.
- Optical assembly and front frame made of die-cast material; hardened transparent sodiumcalcium safety glass, 5 mm thick, siliconed to frame.
- Bracket made of extruded aluminium with silk-screened graduated scale for easier aiming operations.
- Internal silicone gaskets to guarantee water tightness.
- Circular and asymmetrical longitudinal reflectors made of 99.93% superpure aluminium subjected to anodic oxidation process and polishing.
- Asymmetrical transversal reflector made of 99.85% superpure aluminium subjected to anodic oxidation process.
- LED C.o.B. versions with Opti Beam high-efficiency reflector.
- Monochromatic LED version with 9/16/25-LED circuit, optics with plastic lenses, glass with customised serigraphy, and 100-265Vac 50/60Hz built-in electronic power supply.
- LED RGB and WNC (White Tuning) versions complete with power supply and DMX512-RDM electronic control card.
- High level of light output.
- Graduated scale and mechanical aiming lock.
- Luminaire ready for pass-through wiring.
- Class II luminaire, set up for class I.
- All external screws are in A2 stainless steel.



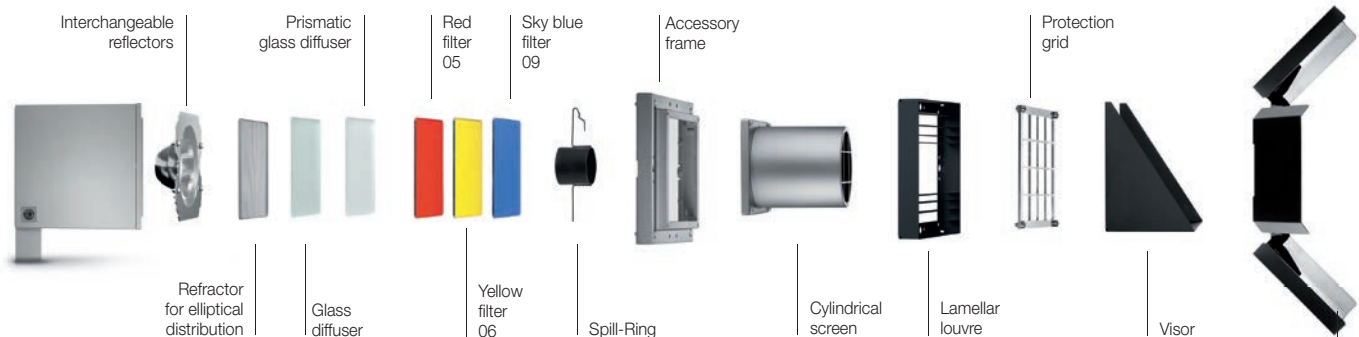
Relamping without removing the accessories



Removable plate



Retention cable for frame



The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects.

The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space.

The directional flap can be fitted individually or with others (max. 4) depending on lighting design requirements

Visual comfort

The iPro system boasts a vast range of accessories for guaranteeing extremely flexible, effective lighting, providing the best solution for visual comfort, avoiding unwanted glare and reducing light pollution.



Visor



Directional flaps


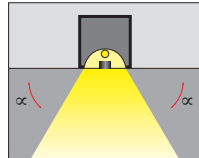
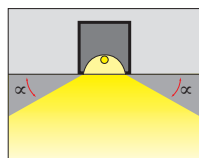


Louvre

Spill-ring

Three types of anti-glare spill-rings for maximum visual comfort.



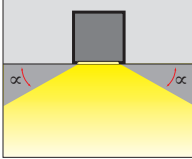
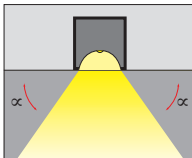
Spill-ring	Cut Off	Body	α
		small	60°
		medium	60°
		large	45°
no spill-ring		small	30°
		medium	40°
		large	30°

The screening angles data relate to luminaires with Superspot (SS) optics and Spot (S) optics. For data relating to Flood (F), Asymmetrical longitudinal (AL) and Asymmetrical Transversal (AT) optics, consult: <http://products.iguzzini.com>

Cut off

Cut-off angle comparison between LED Single Chip and LED C.o.B. versions



Cut Off	Body	α
	small	30°
	medium	30°
	large	30°
	small	50°
	medium	55°
	large	56°

Optics and lamps



SS - Superspot
α < 8°



S - Spot
α from 9° to 15°



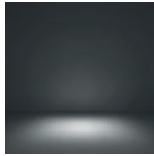
M - Medium
α from 16° to 25°



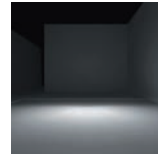
F - Flood
α from 26° to 39°



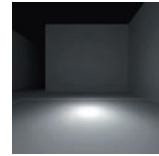
WF - Wide Flood
α from 40° to 60°



E - Elliptical*



AL - Longitudinal asymmetric



AT - Asymmetrical transversal

LED	10 - 12 - 17 - 18W	HIT-CE	20W
	27 - 24 - 35W	HIT-CE	70 - 150W
LED RGB	23 W	HIT-TC-CE	35W
LED WNC	25 W	HIT-DE-CE	70 - 150W
QR-CBC 51	50W	HST-DE	150W

* Elliptical optic is obtained by installing the respective accessories.

LED

Energy saving

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 100000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

lumen lm	LED	QR CBC 51 	
1500	12W	75W	84%
1950	12W	2x50W	83%
3000	12W	3x50W	84%

(3000K) LED energy saving compared with conventional lamps

iPro system

The large floodlight can be pole mounted (Multipro system on page 451) and wall-mounted using the special accessory.



ceiling-mounted



wall-mounted



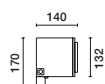
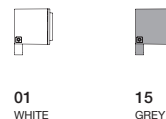
pole with arm



pole with flange

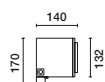


wall support



light source	W*	lm	optic	code colour
LED new Neutral white C.o.B.				
•	12W	1600	15°	BX02 01-15
•	12W	1600	42°	BX04 01-15
•	12W	1600	60°	BX06 01-15
Warm white C.o.B.				
•	12W	1500	15°	BX03 01-15
•	12W	1500	42°	BX05 01-15
•	12W	1500	60°	BX07 01-15

Complete with power supply

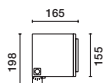


light source	W*	lm	optic	code colour
LED Neutral white Single Chip				
	10W	790	6°	BD34 01-15
	10W	790	32°	BD36 01-15
Warm white Single Chip				
	10W	680	6°	BD35 01-15
	10W	680	32°	BD37 01-15

Complete with power supply

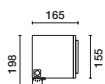
QR CBC 51 (GU5,3)	Electronic	W*	lm	optic	code colour
	50W 12V				BD38 01-15
Suitable for Energy Saver lamp (Osram Decostar 51 ES and Philips MASTERline ES) On request PAR 20 version (max 50W), Osram Halopar 20 and Sylvania Hi-Spot 63 (code BD39)					

HIT-CE (PGJ5)	Electronic	W*	lm	optic	code colour
	20W		6°		BD32 01-15
	20W		38°		BD33 01-15



light source	W*	lm	optic	code colour
LED new Neutral white C.o.B. dimmable 1-10V				
•	17W	2000	12°	BX08 01-15
•	17W	2170	38°	BX10 01-15
•	17W	2170	48°	BX12 01-15
Warm white C.o.B. dimmable 1-10V				
•	17W	1950	12°	BX09 01-15
•	17W	2070	38°	BX11 01-15
•	17W	2070	48°	BX13 01-15

Complete with power supply



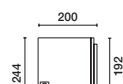
light source	W*	lm	optic	code colour
LED Neutral white Single Chip				
	18W	1400	6°	BD46 01-15
	18W	1400	32°	BD48 01-15
Warm white Single chip				
	18W	1210	6°	BD47 01-15
	18W	1210	32°	BD49 01-15

Complete with power supply

HIT-TC-CE (G8,5)	Electronic	W*	lm	optic	code colour
	35W		6°		BD40 01-15
	35W		10°		BD41 01-15
	35W		20°		BD42 01-15
	35W		AL		*BD43 01-15

* Do not use with CMH-GE lamps
On request PAR 30 version (max 100 W) (code BD50) and TC-TEL (18 W) (code BD51)

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

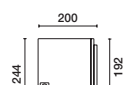


light source	W*	lm	optic	code colour
LED new Neutral white C.o.B. dimmable 1-10V				
•	24W	3200	16°	BX14 01-15
•	24W	3200	30°	BX16 01-15
•	24W	3200	48°	BX18 01-15
Warm white C.o.B. dimmable 1-10V				
•	24W	3000	16°	BX15 01-15
•	24W	3000	30°	BX17 01-15
•	24W	3000	48°	BX19 01-15

Complete with power supply. DALI versions occupy 1 address

light source	W*	lm	optic	code colour
Neutral white C.o.B. DALI				
•	35W	4500	16°	BX20 01-15
•	35W	4500	30°	BX22 01-15
•	35W	4500	48°	BX24 01-15
Warm white C.o.B. DALI				
•	35W	4290	16°	BX21 01-15
•	35W	4290	30°	BX23 01-15
•	35W	4290	48°	BX25 01-15

Complete with power supply. DALI versions occupy 1 address



light source	W*	lm	optic	code colour
LED Neutral white Single Chip				
	27W	2430	8°	BG35 01-15
	27W	2430	34°	BG37 01-15
Warm white Single Chip				
	27W	2280	8°	BG36 01-15
	27W	2280	34°	BG38 01-15

Complete with power supply

light source	W*	lm	optic	code colour
RGB Single Chip - DMX512-RDM				
•	24W	1300	8°	BV60 01-15
•	24W	1300	30°	BV61 01-15

light source	W*	lm	optic	code colour
WNC Single Chip - DMX512-RDM				
•	23W	2320	8°	BV62 01-15
•	23W	2320	30°	BV63 01-15

Complete with power supply and electronic DMX512-RDM control card. DMX specifications require the insertion of a 120 Ohm terminating resistor (code BZQ7) to be placed between the DATA+ and DATA- cables of the last product in the line. DALI versions available. DALI and DMX512-RDM versions with self-addressing are available.

HIT-CE (G12)	Electromagnetic	W*	lm	optic	code colour
	150W		8°		BD59 01-15
	150W		36°		*BD61 01-15

Class of Insulation I
* The Flood optic becomes Medium with HCI-T Powerball (Osram).

light source	W*	lm	optic	code colour
Electronic				
	70W		6°	BD52 01-15
	70W		10°	BD53 01-15
	70W		38°	*BD54 01-15
	70W		AL	BD56 01-15

* The Flood optic becomes Medium with HCI-T Powerball (Osram).

HIT-DE-CE (Rx7s)	Electromagnetic	W*	lm	optic	code colour
	150W		AT		BD62 01-15




HST-DE (Rx7s)	Electronic	W*	lm	optic	code colour
	70W		AT		BD55 01-15

To be used exclusively with light sources with ceramic burner.

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

accessories						
	code	colour	code	colour	code	colour
 Accessory-frame For use installing accessories	BZ49	01-15	BZ63	01-15	BZ77	01-15
 Refractor for elliptical distribution	BZ53	24	BZ67	24	BZ80	24
 Glass diffuser	BZ51	65	BZ65	65	BZ79	65
 Prismatic glass diffuser for LED version	BZ52	24	BZ66	24	1154	24
 Coloured filters	BZ50	05-06 09	---	---	---	---
 Cylindrical screen * Installed with accessory-frame	BZ57	47-74 for BD32-BD38-BX02-BX03	BZ72	47-74 for BD40-BD41-BX08-BX09	BZ86	47-74 for BD52-BD53-BD59 BX14-BX15-BX20-BX21
 Visor	BZ59	04	BZ74	04	BZ88	04
 Single directional flap Installed with accessory-frame	BZ58	04	BZ73	04	BZ87	04
 Protection grid Installed with accessory-frame	BZ56	13	BZ71	13	BZ85	13
 Lamellar louvre for Asymmetrical Longitudinal optic	---	---	BZ75	04 for BD43	BZ90	04 for BD56
 Lamellar louvre for Asymmetrical Transversal optic	---	---	---	---	BZ89	04 for BD55-BD62
 Spill ring for optic Superspot and Spot	BZ54	04 for BD32	BZ68	04 for BD40-BD41	6879	04 for BD52-BD53-BD59
 Spill ring for optic Medium and Flood	BZ55	04 for BD33	BZ69	04 for BD42	6881	04 for BD54-BD61
 Spill ring for Asymmetrical Transversal optic	---	---	---	---	BZ84	04 for BD55-BD62
 Interchanging reflectors for LED C.o.B.						
spot	X099	(15°) 12	---	---	X105	(16°) 12
flood	X100	(42°) 12	X103	(38°) 12 no for BX08-BX09	X106	(30°) 12
wide flood	X101	(60°) 12	X104	(48°) 12 no for BX08-BX09	X107	(48°) 12

* For LED C.o.B. versions it must be used in association with the diffusing prismatic glass
Refer to the table and to the instruction sheet for information on installation and combination of accessories.

luminaire	power	optic	coloured filter		glass diffuser/refractor		prismatic glass diffuser		spill ring	spill ring + coloured filter	coloured filter + glass diffuser/refractor	coloured filter + prismatic glass diffuser	coloured filter + cylindrical screen	coloured filter + no. directional flaps	
			inside the body	on accessory frame	inside the body	on accessory frame	inside the body	on accessory frame							inside the body
	12W LED Chip on Board	15°/42°/60°	●	●	●	●	●	●	●	●	●	●	●	●	
	10W LED Single Chip	6°/32°	●	●	●	●	●	●	●	●	●	●	●	●	
	50W QR CBC51	-	●	●	●	●	●	●	●	●	●	●	● for Spot	●	
	20W HIT-CE	6°/38°	●	●	●	●	●	●	●	●	●	●	● for 6°	●	
	17W LED Chip on Board	12°/38°/48°	●	●	●	●	●	●	●	●	●	●	●	●	
	18W LED Single Chip	6°/32°	●	●	●	●	●	●	●	●	●	●	●	●	
	35W HIT-TC-CE	6°/10°/20°/AL	●	●	●	●	●	●	●	●	●	●	● for 6°/10°	●	
	24/35W LED Chip on Board	16°/30°/48°	●	●	●	●	●	●	●	●	●	●	●	●	
	27W LED Single Chip	8°/34°	●	●	●	●	●	●	●	●	●	●	●	●	
	70W HIT-CE	6°/10°/38°	●	●	●	●	●	●	●	●	●	●	●	● for 6°/10°	●
		AL	●	●	●	●	●	●	●	●	●	●	●	●	●
	70W HIT-DE-CE	AT	●	●	●	●	●	●	●	●	●	●	●	●	●
	150W HIT-CE	8°	●	●	●	●	●	●	●	●*	●	●	●	●	●
		36°	●	●	●	●	●	●	●	●*	●	●	●	●	●
150W HIT-DE-CE HST-DE	AT	●	●	●	●	●	●	●	●	●	●	●	●	●	










● Installation permitted

● Installation not permitted

* To be used exclusively with light sources with ceramic burner

Refer to the table and to the instruction sheet for information on installation and combination of accessories.

installation systems

				
	code colour	code colour	code colour	code colour
 L-shaped bracket For installation on cornices	BZ62 15 (colour 01 on request)	BZ76 15 (colour 01 on request)	BZ91 15 (colour 01 on request)	
 Wall-mounted base	BZ18 01-15	BZ19 01-15	BZM5 01-15	
 Spike for ground application	BZ60 00	---	---	---
 Strap for attaching to branches Section=40÷120 mm	BZ61 00	---	---	---
 Multiple support for two floodlights	---	---	6014 15	
 Multiple support for three floodlights	---	---	6015 15	



Woody
design Mario Cucinella



Miniwoody ø 85



Woody ø 140



MaxiWoody
compact ø 260



MaxiWoody
small ø 315



MaxiWoody
medium ø 380



MaxiWoody
large ø 484

Miniwoody - Woody

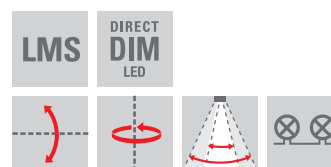


Features




 IP66 IK07 (Woody) IK08 (Miniwoody)

- Floodlight for use with halogen and discharge lamps, monochromatic and RGB LEDs.
- The fixture is installed in the ground, wall-mounted (with a fisher), pole-mounted, and branch-mounted.
- Equipped with an optical assembly and base or a component box (Woody discharge version).
- Optical assembly, arm, base and frame made of aluminium alloy; sodium-calcium tempered sealing features glass, transparent colourless, 4 mm-thick, and secured with captive screws; silicone gaskets between the glass and outer frame; reflector made of ultrapure aluminium.
- Frame has slots for rainwater drainage.
- Optical assembly double adjustability.
- Available in LED versions with monochromatic Single Chip and C.o.B. and Single Chip with RGB dynamic colour change compatible with light management systems.
- LED versions available with RGB dynamic colour change compatible with lighting management systems.
- RGB LED versions with DIRECT-DIM: possibility of also adjusting using a simple electric push-button.
- Halogen versions with the possibility of adjusting light beam opening.
- Luminaire ready for pass-through wiring (except LED C.o.B versions).
- All screws are A2 stainless steel.



Versions

Miniwoody



LED
ø 85



discharge
and halogen
ø 85

Woody



LED y HIT
ø 140



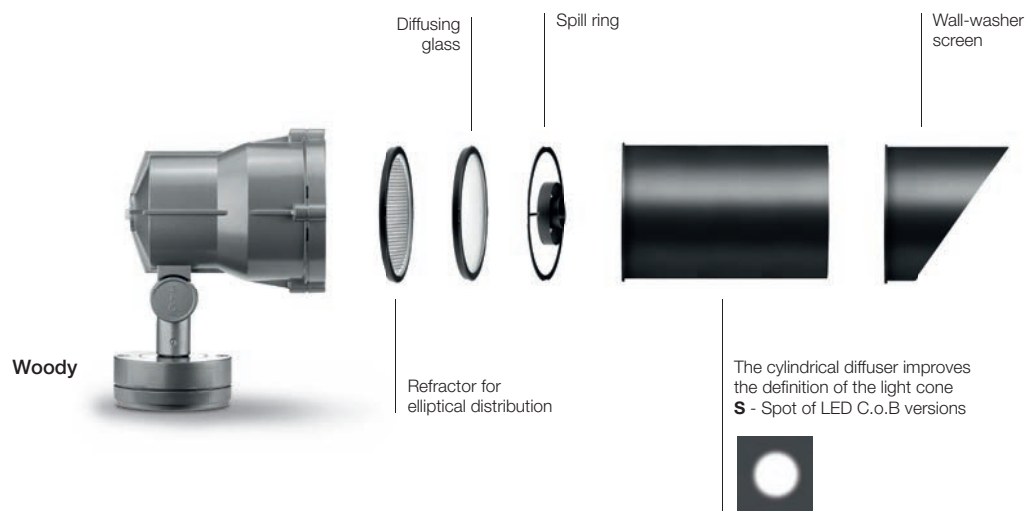
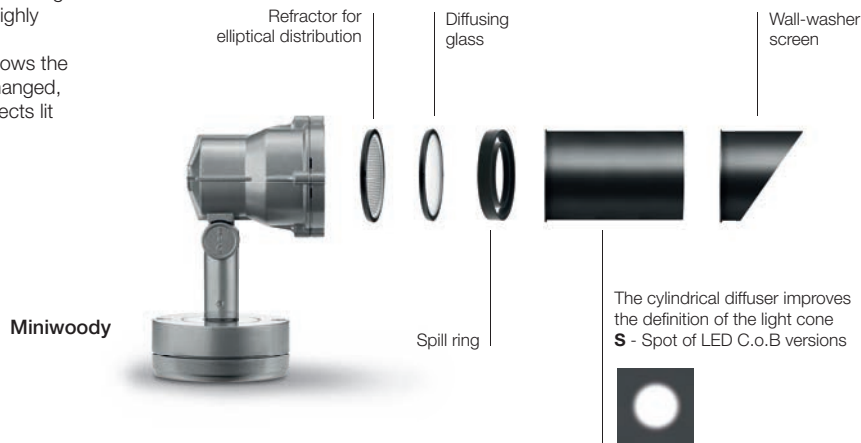
discharge
ø 140



halogen
ø 140

Miniwoody - Woody

The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space.



Installations

Miniwoody and Woody have a wide variety of installation systems, making them highly flexible.



Plate with spike for ground installation



Strap for attaching to branches



Support for attaching to pole



Base for attaching to 90° corner

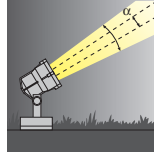


Base for attaching to 90° angle

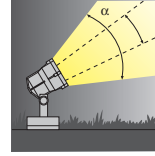
Miniwoody - Woody

Focusing

This optical device allows adjustment of the beam of light for a more precise lighting set-up. Available in halogen version.



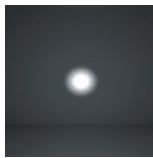
Spot optic (S)
Miniwoody
 α 6°÷24°
Woody
 α 4°÷10°



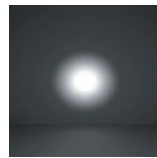
Flood optic (F)
Miniwoody
 α 14°÷68°
Woody
 α 14°÷50°

Optics and lamps

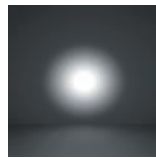
Miniwoody



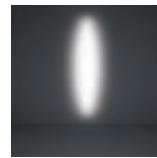
SS - Superspot
 $\alpha < 8^\circ$



M - Medium
 α from 16° to 25°



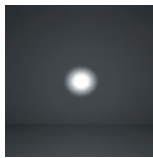
F - Flood
 α from 26° to 39°



E - Elliptical*

LED	3,5 - 3,7 - 9W
HIT-CE	20 - 35W
QT 12 ES	50W

Woody



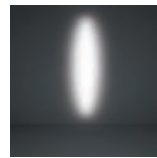
SS - Superspot
 $\alpha < 8^\circ$



S - Spot
 α from 9° to 15°



F - Flood
 α from 26° to 39°



E - Elliptical*

LED	14 - 17W
LED RGB	11W
HIT-CE	35 - 50W
HIT-CE	20W
QT 12 ES	75W
QT 18	100W

* Elliptical optic is obtained by installing the respective accessories.

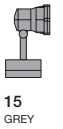
LED

- **LED C.o.B.**
- Colour stability
Mac Adam <3
- Life
100000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

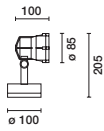
Energy saving

lumen lm	LED	QR CBC 51 	
780	9W	35W	74%
1920	17W	2x50W	83%

(3000K) LED energy saving compared with conventional lamps

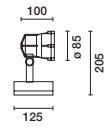


LED



light source	W*	lm	optic	code colour
LED				
Neutral white Single Chip				
3,5W	260	10°	BB22 04-15	
3,5W	260	24°	BB23 04-15	
Warm white Single chip				
3,5W	230	10°	B590 04-15	
3,5W	230	24°	B591 04-15	
Blue Single Chip				
3,7W	45	10°	B587 04-15	
3,7W	45	22°	B589 04-15	

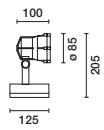
Complete with power supply.
On request available with LED cool white, red, green and amber.



light source	W*	lm	optic	code colour
LED				
Neutral white C.o.B.				
9W	850	10°	BU78 04-15	
9W	850	28°	BU80 04-15	
Warm white C.o.B.				
9W	780	10°	BU79 04-15	
9W	780	28°	BU81 04-15	

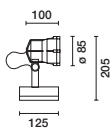
Complete with power supply

halogen



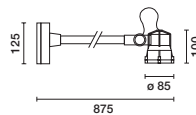
light source	W	optic	code colour
QT 12 ES (GY6,35)	Electronic		
	50W max12V	6°±24°	B584 04-15
	50W max12V	14°±68°	B585 04-15

discharge



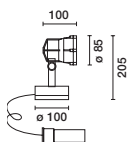
light source	W	optic	code colour
HIT-CE (PGJ5)	Electronic		
	20W	18°	B582 04-15
	20W	46°	B583 04-15

Class of Insulation I



light source	W	optic	code colour
HIT-CE (PGJ5)	Electronic		
	20W	46°	B592 04-15

Class of Insulation I










light source	W	optic	code colour
HIT-CE (PGJ5)	Electronic		
	35W	18°	BF92 04-15
	35W	54°	BF93 04-15









Class of Insulation I
Versions complete with armoured cable with stainless steel braid available on demand.

Miniwoody

accessories

	code	colour		code	colour
	1181	24		BZD4	04 for B582-BF92
	BZD5	65		6178	04 for BU78-BU79
	6177	24 for LED versions		1182	04-15
	BZD3	04 for BF92-BU78-BU79			
				spot (10°)	6179 12
				flood (28°)	6180 12

installation systems

	code	colour		code	colour
	1189	04-15 for BB22-BB23-B587 B589-B590-B591		1187	00 for BB22-BB23-B587-B589 B590-B591-BF92-BF93
	1188	04-15 for BB22-BB23-B587 B589-B590-B591		1183	00 for B582-B583-B584-B585 BU78-BU79-BU80-BU81
	1190	04-15 for BB22-BB23-B587 B589-B590-B591		1184	00 for B582-B583-B584-B585 BU78-BU79-BU80-BU81
	B989	00 for BB22-BB23-B587-B589 B590-B591-BF92-BF93		BZD2	15 for BF92-BF93
	B988	00 for B582-B583-B584-B585 BU78-BU79-BU80-BU81		B915	04 for B582-B583 B584 B585-B592-BF92-BF93 BU78-BU79-BU80-BU81

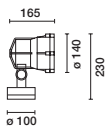


04
BLACK



15
GREY

LED



light source	W*	lm	optic	code colour
LED				
Neutral white Single Chip				
	14W	1040	8°	BA40 04-15
	14W	1040	28°	BA42 04-15
Warm white Single Chip				
	14W	900	8°	BA41 04-15
	14W	900	28°	BA43 04-15
Complete with power supply				
RGB Single Chip - DMX512-RDM (48-52Vdc)				
	11W	600	8°	BV68 04-15
	11W	600	30°	BV69 04-15

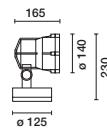


RGB Single Chip - DMX512-RDM (48-52Vdc)

11W 600 8° **BV68** 04-15
11W 600 30° **BV69** 04-15

Complete with electronic DMX512-RDM control card.
Power supply to be ordered separately.
DMX specifications require the insertion of a 120 Ohm terminating resistor (**code BZQ7**) to be placed between the DATA+ and DATA cables of the last product in the line.
DALI and DMX512-RDM versions with self-addressing are available.

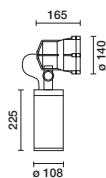
Compatible with light management systems of the iGuzzini range illustrated on page 659.
For the system definition, refer to the instructions.



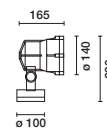
light source	W*	lm	optic	code colour
LED				
Neutral white C.o.B.				
	17W	2000	10°	BU82 04-15
	17W	2000	28°	BU84 04-15
	17W	2000	41°	BU86 04-15
Warm white C.o.B.				
	17W	1920	10°	BU83 04-15
	17W	1920	28°	BU85 04-15
	17W	1920	41°	BU87 04-15
Complete with power supply				

Complete with power supply

discharge

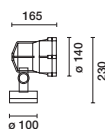


light source	W	optic	code colour
HIT-CE (G12)	35W	16°	7591 04-15
	35W	38°	7592 04-15
	70W	16°	7593 04-15
	70W	38°	7594 04-15

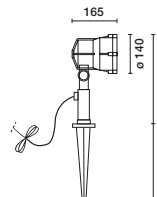


light source	W	optic	code colour
HIT-CE (GU6,5)	Electronic		
	20W	4°	BG17 04-15
	20W	40°	BG18 04-15

halogen



light source	W	optic	code colour
QT 12 ES (GY6,35)	Electronic		
	75W max 12V	4°±10°	7336 04-15
	75W max 12V	14°±45°	7337 04-15
QT 18 ES (B15d)	100W max	14°±22°	7338 04-15
	100W max	26°±43°	7339 04-15










light source	W	optic	code colour
QT 12 ES (GY6,35)	Electronic		
	75W max 12V	4°±10°	7355 04-15
	75W max 12V	14°±45°	7356 04-15
QT 18 ES (B15d)	100W max	14°±22°	7357 04-15
	100W max	26°±43°	7358 04-15









Completed with supply cable L=3 m

Woody








accessories

	code	colour		code	colour
	Refractor for elliptical distribution	1185 24		Cylindrical screen The use with prismatic glass diffuser code 6181 is recommended for C.o.B. LED versions	BZF6 04 for BG17 6182 04 for BU82-BU83
	Glass diffuser	BZF7 65		Wall-washer screen	1186 04-15
	Prismatic glass diffuser	6181 24 for LED versions		Interchangeable reflectors for LED C.o.B.	
	Internal spill-ring	BZF5 04 for BG17-BG18		spot (10°) flood (28°) wide flood (41°)	6183 12 6184 12 6185 12

installation systems

	code	colour		code	colour
	Support for attaching to pole Section=40÷60 mm	1190 04-15 for BA40-BA41-BA42 BA43-BG17-BG18-7334 7335-7336-7337-7338 7339-BV68-BV69		Stainless steel plate with spike for installation in gardens	B989 00 for BA40-BA41-BA42-BA43 BG17-BG18-BV68-BV69 B988 00 for BU82-BU83-BU84 BU85-BU86-BU87
	Support for pole fastening L=100 On poles with diameter from 80 to 120 mm	5929 04-15 for 7591-7592-7593-7594		Strap for attaching to branches Section=40÷120 mm For greater diameters it is possible to couple the belts together.	1187 00 for BA40-BA41-BA42 BA43-BG17-BG18-7334 7335-7336-7337-7338 7339-BV68-BV69 1183 00 for BU82-BU83-BU84 BU85-BU86-BU87
	Support for wall fastening L=100	5928 04-15 for 7591-7592-7593-7594		Stainless-steel plate with anchoring bolts for application to the ground	1184 00 for BU82-BU83-BU84 BU85-BU86-BU87
	Support for double application on a pole L=100 On poles with diameter from 80 to 120 mm	5930 04-15 for 7591-7592-7593-7594			
	Fastening plate for low wall application	5927 04-15 for 7591-7592-7593-7594			

components

	code	colour		code	colour
	Electronic power supply designed to mount on a DIN standard profile 120W VIN=88÷264Vac / 47÷63Hz Vout=48÷55V (SELV) Dim. 40x114x125h	BZ14 00 for BV68-BV69		5-pole connector IP68	BZS6 04 for BV68-BV69
	Electronic power supply designed to mount on a DIN standard profile 240W VIN=88÷264Vac / 47÷63Hz Vout=48÷55V (SELV) Dim. 63x114x125h	BZ15 00 for BV68-BV69		Y-coupling with 5 poles IP68 For connection between DMX or DALI signal cable and power supply cable	BZN7 00 for BV68-BV69
	Electronic power supply designed to mount on a DIN standard profile 480W VIN=90÷264Vac / 47÷63Hz Vout= 48÷55V (SELV) Dim. 86x114x125h	BZ16 00 for BV68-BV69		Cap for connectors + terminator resistance 120 Ω	BZQ7 00 for BV68-BV69
				Box for multiple connection IP68	B915 04 for BU82-BU83-BU84 BU85-BU86-BU87



MaxiWoody

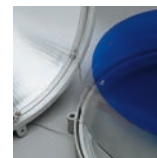
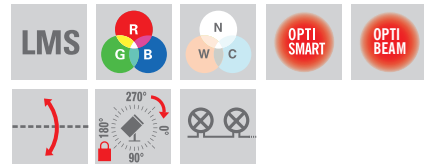
design Mario Cucinella



Features

03 F □ IP67 IK08

- Direct light luminaire for use with metal halide, sodium vapour, and LEDs.
- The fixture is installed into the ground, wall-mounted (with a fisher).
- The fixture has an optical assembly and support.
- Optical assembly and frame in aluminium alloy; sodium-calcium tempered sealing glass, transparent colourless, 4 mm thick; superpure aluminium reflector.
- Optical assembly double adjustability.
- Graduated scale and mechanical aiming lock.
- High performance optics (Opti Smart) and uniform light distribution.
- LED C.o.B. versions with Opti Beam high-efficiency reflector
- Monochromatic LED version with 24/36-LED circuit, optics with plastic lenses, glass with customised serigraphy, and 100-265Vac 50/60Hz built-in electronic power supply.
- LED RGB and WNC (White Tuning) versions complete with power supply and DMX512-RDM electronic control card.
- Luminaire ready for pass-through wiring.
- All screws are A2 stainless steel.



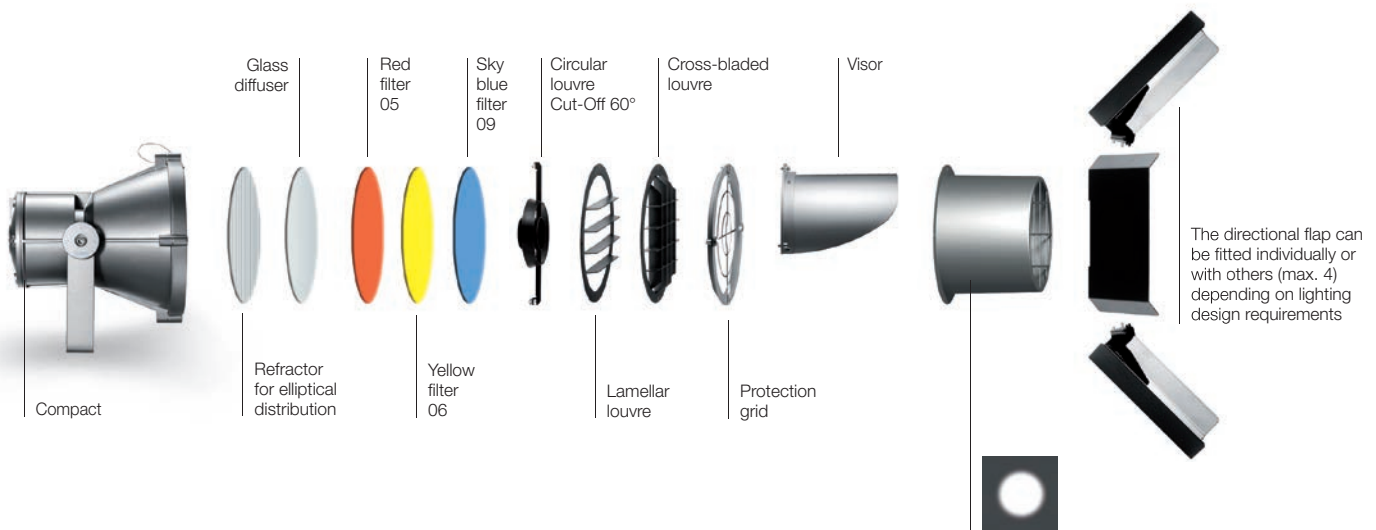
Retention cable



Slots allowing rainwater to run off



Removable plate



The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects.

The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space.

The cylindrical diffuser improves the definition of the light cone
SS - Superspot of LED C.o.B. versions

MaxiWoody

Visual comfort

The MaxiWoody system boasts a vast range of accessories for guaranteeing extremely flexible, effective lighting, providing the best solution for visual comfort, avoiding unwanted glare and reducing light pollution.



Circular louvre Full Comfort



Lamellar louvre



Cross-bladed louvre

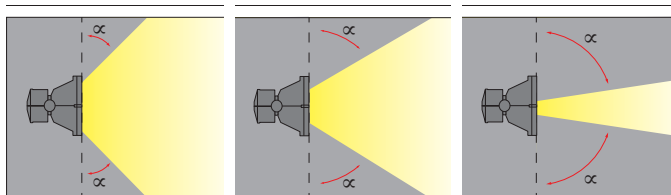
A wide range of anti-glare louvers for maximum visual comfort.



Circular louvre
Cut-Off 45°

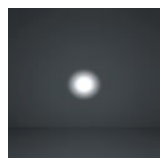
Circular louvre
Cut-Off 60°

Circular louvre
Full Comfort°

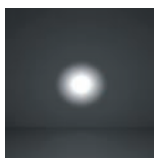


The screening of the louvers angles apply for all sizes of floodlight

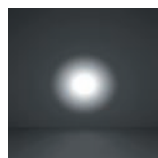
Optics and lamps



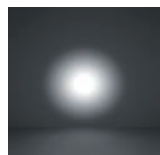
SS - Superspot
 $\alpha < 8^\circ$



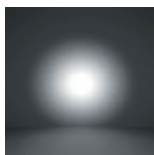
S - Spot
 α from 9° to 15°



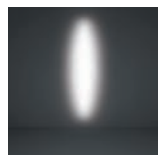
M - Medium
 α from 16° to 25°



F - Flood
 α from 26° to 39°



WF - Wide Flood
 α from 40° to 60°



E - Elliptical*

* Elliptical optic is obtained by installing the respective accessories.

LED	18 - 24 - 28 - 30W	HIT-CE	70W
	36 - 39 - 42 - 53W	HIE/C/M	70 - 150W
LED RGB	34W	HIE-CE	70W
LED WNC	36W	HIE	250 - 400W
HIT-CE	35 - 70 - 150W	HSE	70 - 250 - 400W
	250W	HIT	250 - 400W
TC-TEL	26 - 32 - 42W	HIT-DE-CE	70 - 150W
HIT-CE	60 - 140W	HST-DE	70 - 150W
HST	70 - 250 - 400W	HIT-TC-CE	600 - 1000W

LED

Energy saving

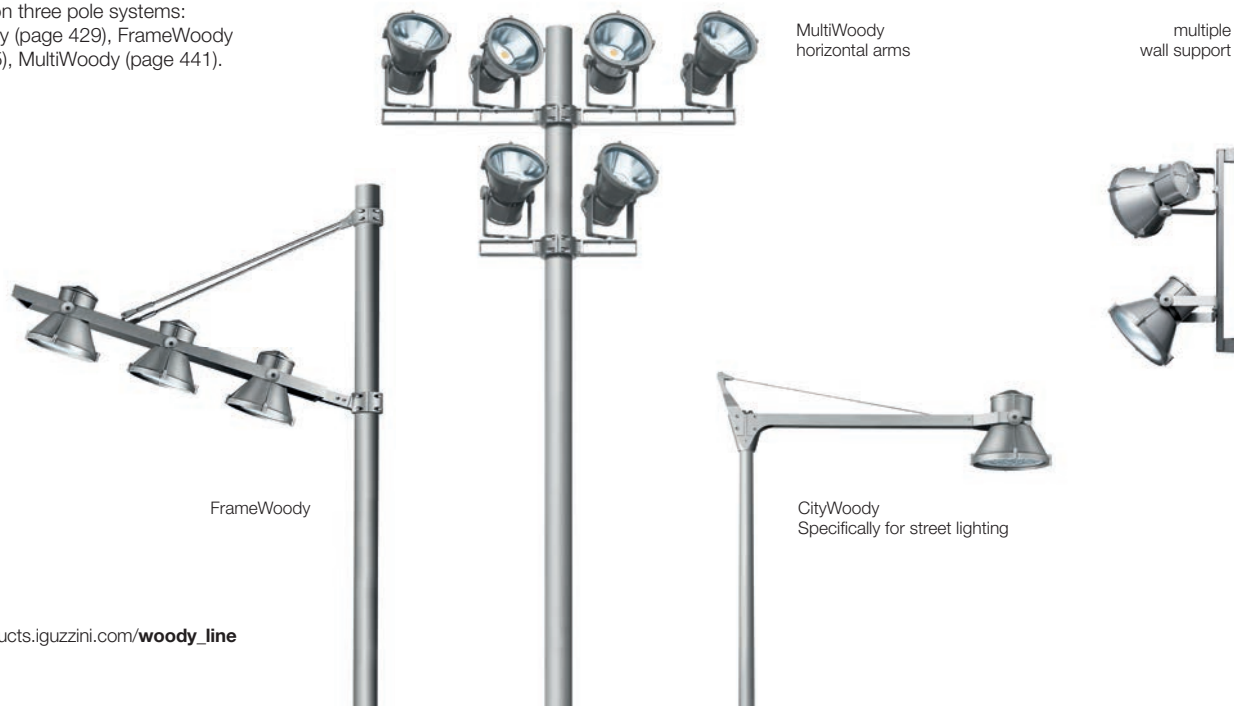
- **LED C.o.B.**
- Colour stability
Mac Adam <3
- Life
100000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

lumen lm	LED	HIT G12 	
3000	24W	35W	31%
7000	53W	70W	24%

(3000K) LED energy saving compared with conventional lamps

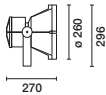
MaxiWoody system

This range of floodlights can be installed on three pole systems: CityWoody (page 429), FrameWoody (page 435), MultiWoody (page 441).

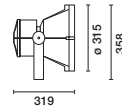




light source	W*	lm	optic	code	colour
LED					
Compact					
Neutral white Single Chip					
	28 W	2030	8°	6146	15
Warm white Single Chip					
	28 W	1760	8°	6147	15
HIT-CE (G12)					
	35 W		6°	6136	15
	35 W		22°	6137	15
	35 W		56°	6138	15
	35 W		AL	6139	15
	70 W		6°	6140	15
	70 W		26°	6141	15
	70 W		58°	6142	15
	70 W		AL	6143	15



light source	W*	lm	optic	code	colour
LED					
Small body					
Neutral white Single Chip					
	42 W	3090	8°	BB28	15
Warm white Single Chip					
	42 W	2680	8°	BB29	15
RGB Single Chip - DMX512-RDM					
	34 W	1950	8°	BV52	01-15
	34 W	1950	30°	BV53	01-15
WNC Single Chip - DMX512-RDM					
	36 W	3250	8°	BV54	15
	36 W	3250	30°	BV55	15

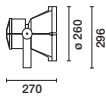


Complete with power supply and electronic DMX512-RDM control card. DMX specifications require the insertion of a 120 Ohm terminating resistor (**code BZQ7**) to be placed between the DATA+ and DATA- cables of the last product in the line. DALI and DMX512-RDM versions with self-addressing are available.

HIT-CE (G12)	70 W		6°	5650	15
	70 W		26°	5651	15
	70 W		64°	5614	15
HIE (Osram) (E27)	70 W (HIE/C)		6°	5652	15
	70 W (HIE/M)		16°		
HST (E27)	70 W		6°	5653	15
HIT-CE (E27)					
HSE (E27)	70 W (HSE)		28°	5654	15
	70 W (HIE-CE)		16°		
HIT-CE (PGZ12)	60 W		ST	5616	15
HIT-DE-CE (Rx7s)	70 W		ST	5684	15
HST-DE (Rx7s)					



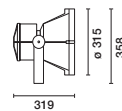
light source	W*	lm	optic	code	colour
LED					
Compact					
Neutral white C.o.B. dimmable 1-10V					
	24 W	3140	8°	BU88	15
	24 W	3140	30°	BU90	15
	24 W	3140	48°	BU92	15
Warm white C.o.B. dimmable 1-10V					
	24 W	3000	8°	BU89	15
	24 W	3000	30°	BU91	15
	24 W	3000	48°	BU93	15
Neutral white C.o.B. dimmable DALI					
	36 W	4190	8°	BU94	15
	36 W	4190	30°	BU96	15
	36 W	4190	48°	BU98	15
Warm white C.o.B. dimmable DALI					
	36 W	4000	8°	BU95	15
	36 W	4000	30°	BU97	15
	36 W	4000	48°	BU99	15



Complete with power supply and electronic DALI control card. DALI versions occupy 1 address.

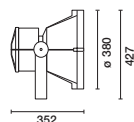


light source	W*	lm	optic	code	colour
LED					
Neutral white C.o.B. dimmable DALI					
	53 W	7300	8°	BV00	15
	53 W	7300	30°	BV02	15
	53 W	7300	48°	BV04	15
Warm white C.o.B. dimmable DALI					
	53 W	7000	8°	BV01	15
	53 W	7000	30°	BV03	15
	53 W	7000	48°	BV05	15

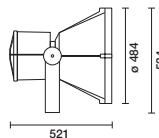


Complete with power supply and electronic DALI control card. DALI versions occupy 1 address.

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.



light source	W*	lm	optic	code colour
LED				
Neutral white Opti Smart				
	30W	3180	ST1	BV11 15
	39W	4120	ST1.2	BV13 15
Neutral white Opti Smart DALI				
	18W	1570	ST1C	BV07 15
Neutral white Opti Smart bi-energy				
	18W	1570	ST1C	BV09 15
Warm white versions available on request				
HIT-CE (G12)	150W		6°	5658 15
	150W		16°	5659 15
	150W		44°	5618 15
HIE/C (Sylvania) (E27)	150W (HIE/C)		6°	5660 15
	150W (HIE/M)		22°	
HIE/M (Sylvania) (E27)				
HIT-CE (PGZ12)	140W		ST	5620 15
HIT-DE-CE (Rx7s)	150W		ST	5666 15
HST-DE (Rx7s)				
The output lumen and power value of the systems refer to the Profiles with the greatest light efficiency (Profile 1 and 4). The values of other profiles can be consulted in the online catalogue: "http://products.iguzzini.com"				
			code colour	
	USB pen profiler		BZX1	04
	Complete with cable and battery for LED versions			



light source	W	optic	code colour
HIT (G.E.) (E40)	250W	8°	5667 15
	250W	16°	5668 15
	400W	6°	5671 15
	400W	18°	5673 15
HIE (Osram)	250W	32°	5669 15
HIE (HCI-E) (E40)			
HSE (E40)			
HST (E40)	250W	6°	5670 15
HIT-CE (G12)	250W	6°	5622 15
	250W	20°	5623 15
	250W	60°	5624 15
HIT (Osram) (E40)	400W	6°	5672 15
HST (E40)			
HIE/M (Osram) (E40)	400W	44°	5674 15
HSE (E40)			
HIT-TC-CE (G22)	600/1000W	4°	6167 15
	600/1000W	8°	6168 15
	600/1000W	44°	6169 15

installation systems

	code colour	code colour	code colour	code colour
	6012 15 for 1 floodlight	6012 15 for 1 floodlight	6012 15 for 1 floodlight	6173* 15 for 1 floodlight
The flanges with codes 6173-6174 are made of steel	6013 15 for 2 floodlights	6013 15 for 2 floodlights	6013 15 for 2 floodlights	6174* 15 for 2 floodlights
Aluminium flange for installation on poles ø 102 mm	6111 15 for 1 floodlight	6111 15 for 1 floodlight	6111 15 for 1 floodlight	---
	6112 15 for 2 floodlights	6112 15 for 2 floodlights	6112 15 for 2 floodlights	---
Reinforcement bracket for pole application	---	---	---	6175 15
Multiple support for two floodlights	6014 15	6014 15	6014 15	---
Multiple support for three floodlights	6015 15	6015 15	6015 15	---
Ground anchoring plate	5951 15	5951 15	5951 15	5951 15
Accessory retention cable	BZF1 00	5949 00	5949 00	5949 00

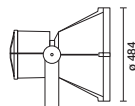
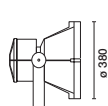
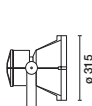
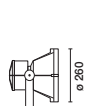


* For use with reinforcement bracket code 6175

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

MaxiWoody

accessories



	code	colour	code	colour	code	colour	code	colour
Refractor for elliptical distribution	BZD8	24	1195	24	1196	24	1197	24
	for 6136-6137-6138-6140 6141-6142-6145 (26W) and for LED C.o.B. versions		for 5614-5650-5651 5652-5653-5654 and for LED C.o.B. versions		for 5618-5658-5659-5660		no for 600/1000 W	
Glass diffuser	BZD6	65	1158	65	1159	65	1160	65
	for 6136-6137-6138-6140 6141-6142-6145 (26W)		for 5614-5650-5651 5652-5653-5654		for 5618-5658-5659-5660		for 5667-5668-5669-5670 5671-5672-5673-5674	
Prismatic glass diffuser	6186	24	6190	24	---	---	---	---
	for LED C.o.B. versions		for LED C.o.B. versions					
Visor	BZE9	15	5940	15	5941	15	5942	15
					for 5618-5658-5659-5660			
Cylindrical screen	BZE7	74	6191	74	---	---	---	---
	The use with prismatic glass diffuser is recommended for C.o.B. LED versions		for LED C.o.B. versions					
Single directional flap	BZE8	04	5937	04	5938	04	5939	04
					for 5618-5658-5659- 5660			
Circular louvre Cut-Off 45°	BZD9	04	5952	04	5953	04	5954	04
	for 6136-6140		for 5614-5650-5651 5652-5653-5654		for 5618-5658-5659-5660		no for 600/1000 W	
	BZE0	04						
	for 6137-6138-6141-6142							
Circular louvre Cut-Off 60°	---	---	BZ09	04	BZ26	04	BZ30	04
			for 5614-5650-5651		for 5618-5658-5659		for 5622-5623-5624	
Circular louvre Full Comfort	BZE3	04	BZ08	04	BZ25	04	BZ29	04
	for 6136-6137-6138 6140-6141-6142		for 5614-5650-5651		for 5618-5658-5659		for 5622-5623-5624	
Lamellar louvre	BZE4	04	BZ23	04	BZ27	04	BZ31	04
	for 6136-6137-6138 6140-6141-6142		for 5614-5650-5651		for 5618-5658-5659		for 5622-5623-5624	
Cross-bladed louvre	BZE5	04	BZ24	04	BZ28	04	BZ32	04
	for 6136-6137-6138 6140-6141-6142		for 5614-5650-5651		for 5618-5658-5659		for 5622-5623-5624	
Interchangeable reflectors for LED C.o.B.	6187	12	6192	12	---	---	---	---
	spot (8°)							
	6188	12	6193	12	---	---	---	---
	flood (30°)							
	6189	12	6194	12	---	---	---	---
	wide flood (48°)							
Protection grid	BZE6	78	5943	78	5944	78	5945	78
Stainless steel anti-fall net	---	---	---	---	---	---	6176	00
							for 600/1000 W	
IP65 aluminium box with ballast and capacitor	---	---	---	---	---	---	6171	15
							for 600W	
	---	---	---	---	---	---	6172	15
							for 1000W	

Platea

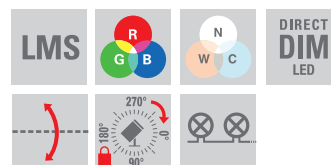
design P. Castiglioni - M. Cucinella



Features



- Direct light luminaire for use with metal halide, sodium vapour, halogen, fluorescent lamps and LEDs.
- The fixture is installed into the ground, wall-mounted and on pole.
- Optical assembly and frame in aluminium alloy; sodium-calcium tempered sealing glass, transparent; superpure aluminium reflector.
- Graduated scale and mechanical aiming lock.
- Monochromatic LED version with 36-LED circuit, optics with plastic lenses, glass with customised serigraphy or striped glass, and 100-265Vac 50/60Hz built-in electronic power supply.
- RGB LED version with 36 multicolour LED circuit, DALI electronic control board, optics with plastic lenses, glass with customised serigraphy or striped glass and 100-120/220-240Vac 50/60Hz built-in power supply.
- RGB LED versions with DIRECT-DIM: possibility of also adjusting using a simple electric push-button.
- Luminaire ready for pass-through wiring.
- All screws are A2 stainless steel.



Platea system

The floodlight can be pole-mounted.
The Platea system is presented on page 385.



Visual comfort

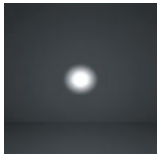


Wall washer

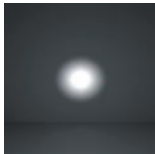


Baffle

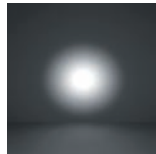
Optics and lamps



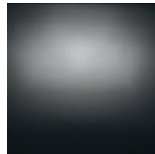
SS - Superspot
 $\alpha < 8^\circ$



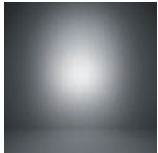
S - Spot
 α from 9° to 15°



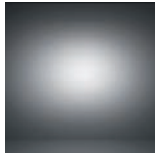
F - Flood
 α from 26° to 39°



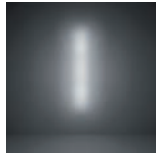
A - Asymmetric



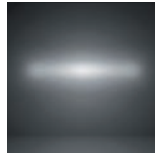
EL - Longitudinal
Elliptical



ET - Transversal
Elliptical



LL - Longitudinal
Light Sliver



LT - Transversal
Light Sliver

LED	42W
LED RGB	34W
LED WNC	36W
HIT-CE	70 - 150W

	HIT-DE-CE	70 - 150W
	HIT-DE	250W
	HST-DE	70 - 150W

LED

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
100000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

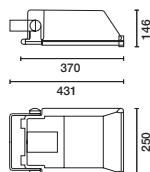
Energy saving

lumen lm	LED	HIT/HST 		HME 	
2780	42W	83W	49%	92W	54%

(3000K) LED energy saving compared with conventional lamps



accessories



light source	W*	lm	optic	code colour
LED	Neutral white			
	42W	3210	8°	BA44 15
	42W	3090	28°	BA46 15
	42W	3090	LT	BA48 15
42W	3090	LL	BA50 15	

Warm white				
42W	2780	8°	BA45 15	
42W	2680	28°	BA47 15	
42W	2680	LT	BA49 15	
42W	2680	LL	BA51 15	

RGB DMX512-RDM				
34W	1950	8°	BV44 15	
34W	1950	30°	BV45 15	

WNC DMX512-RDM				
36W	3250	8°	BV46 15	
36W	3250	30°	BV47 15	

Complete with power supply and electronic DMX512-RDM control card. DMX specifications require the insertion of a 120 Ohm terminating resistor (**code BZQ7**) to be placed between the DATA+ and DATA- cables of the last product in the line. DALI and DMX512-RDM versions with self-addressing are available.

HIT-CE (G12)	70W	ST	7444 15
	70W	E	7385 15
	70W	LT	7387 15
	150W	ST	7445 15
	150W	E	7386 15
	150W	LT	7388 15
	250W	ST	7499 15

HIT-DE-CE (Rx7s)	70W	ST	7698 15
	70W	A	7377 15
HST-DE (Rx7s)	70W	72°/41°	7379 15
	150W	ST	7699 15
	150W	A	7378 15
150W	72°/41°	7380 15	

HIT-DE (Fc2)	250W	A	7395 15
	250W	72°/41°	7394 15
	250W	LA	7369 15



Baffle

code	colour
1177	04
for 7379-7380-7385-7386 7391-7394-BA44-BA45 BA46-BA47-BA50-BA51	

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

Lingotto

design Renzo Piano

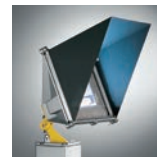


Features



- Direct light luminaire for use with metal halide, sodium vapour, and halogen lamps.
- The fixture is installed into the ground or wall-mounted.
- Lingotto has an optical assembly, a control gear box (for models with discharge lamps), and an arm.
- Optical assembly and aluminium glass-holding frame; sodium-calcium tempered sealing glass; steel retention cable, diameter of 1,6 mm, plasticcoated; 50 Shore siliconecoated black gasket; parabolic reflector made of

- aluminium sheet with a high-bright natural finish.
- Graduated scale and mechanical aiming lock.
- Pull-out aluminium control gear plate, subjected to a pre-anodizing and degreasing treatment; power supply with a non-explosive power factor correction capacitor, ballast, starter, and quick-connecting terminals.
- There is no light dispersion into the upper hemisphere above this luminaire.
- All screws are A2 stainless steel.



Wall washer



Baffle

Installations



Wall-mounted installation



Pole installation

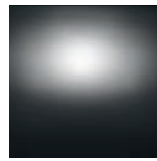


Ground installation

Optics and lamps



F - Flood
α from 26° to 39°

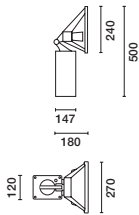


A - Asymmetric

	HIT-DE-CE	150W
	HST-DE	150W



light source	W	optic	code colour
HIT-DE-CE (Rx7s)	150W	A	7017 73
	150W	F	7027 73
HST-DE (Rx7s)			



accessories and installation systems

	code	colour		code	colour
Baffle	1177	04	Steel plate for fixing to wall	1172	00
Wall-washer screen	1175	04	Cast-iron plate for fixing to ground and/or wall	1173	15
Steel flange for pole installation			Bolts with plate for fixing to ground	0456	00
poles of ø 40 to ø 60 mm	1170	00	for 1173		
poles of ø 60 to ø 102 mm	1171	00			



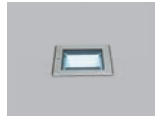


Recessed luminaires

Ground/floor-recessed luminaires



548 Light Up
Walk Professional
LED



548 Light Up
Walk Professional
LED



552 Light Up
Light
LED



555 Light Up
Walk inox
LED



557 Light Up
Garden
LED



New

559 Light Up
Balisage
LED



564 Ledplus
all glass
LED



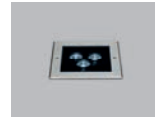
564 Ledplus
all glass
LED



566 Ledplus
stainless steel frame
LED



568 Ledplus
stainless steel frame
with screws LED



568 Ledplus
stainless steel frame
with screws LED



575 Lun-Up
LED

Wall/ceiling-recessed luminaires



566 Ledplus
stainless steel frame
LED



568 Ledplus
floor washer
LED



568 Ledplus
floor washer
LED



578 Pixy
LED



579 Walky
Miniwalky
LED



New

582 iRound
LED



New

586 Laser Blade
InOut
LED

The codes, technical and lighting design features of these recessed luminaires are presented in the chapter on "Wall and ceiling-mounted luminaires".



654 Full Square



























































656 Comfort

Recessed luminaires

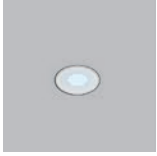
ground/floor



						
Spot optic						
						
Medium optic						
						
Flood optic						
						
Wide Flood optic						
						
Wall Washer optic						
						
Floor washer optic						
						
Asymmetrical optic						
						
Elliptical optic						
						
Signalling						
						
Ground-level lighting						
						
Floor installation						
						
Wall installation						
						
LED lamp						
						
Traditional lamp						
						
DALI protocol						

 Adjustable optic

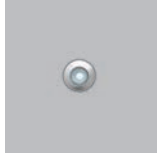
Ledplus
all glass



Ledplus
all glass



Ledplus
stainless steel frame



Ledplus
stainless steel frame



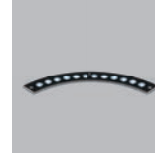
Ledplus
stainless steel
frame with screws



Ledplus
stainless steel
frame with screws



Lun-Up

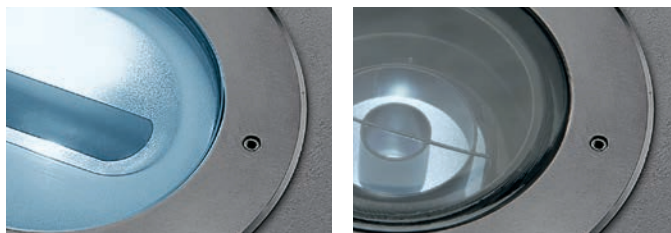


Recessed luminaires

Visual comfort



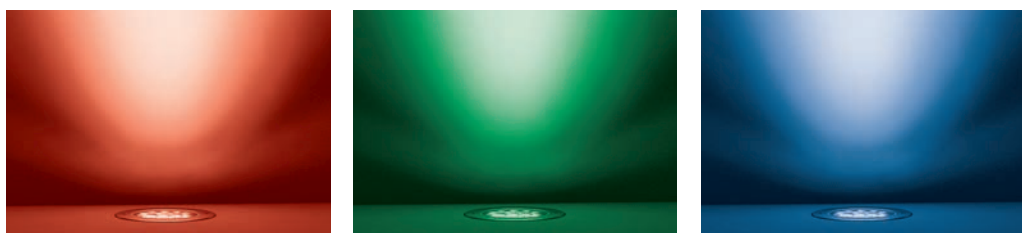
A vast set of optical accessories is available, for reducing glare and so optimising visual comfort.



RGB



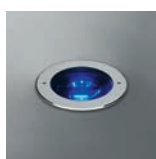
RGB LED technology generates variable coloured light. Mixing of the three primary colours (red, green, blue) produces a complete range of colours, creating impressive set-ups which enhance details and parts of squares, monuments and parks.



Filters



The luminaire/coloured filters combination uses colours to emphasise and change spaces and objects.



Coloured filters

Diffusing filter



Installation of the diffusing filter improves uniformity on the surface lit.



Prismatic filter diffuser

Static load resistance



Ground- and floor-recessed luminaires, depending on the materials used to make the luminaire body and outer casing for installation, have different maximum static load resistance.



Light Up Walk Professional
5000Kg
die-cast aluminium body

aluminium casing



Light Up Walk Light
3500Kg
die-cast aluminium body

plastic casing



Light Up Walk Inox
2500Kg
stainless-steel body

plastic casing



Ledplus
stainless steel frame
1000Kg
plastic body

aluminium casing





Light Up



ø 130



130



ø 312



ø 145



ø 140



ø 148



ø 410



ø 312



ø 229



ø 220



ø 148



Fixed optic



Adjustable optic



Wall Washer optic



Signalling



Fixed optic



Adjustable optic



Adjustable optic



Wall Washer optic



Signalling



Adjustable optic



Wall Washer optic



Ground-level lighting



Walk professional



Light



Walk inox



Garden



Balisage

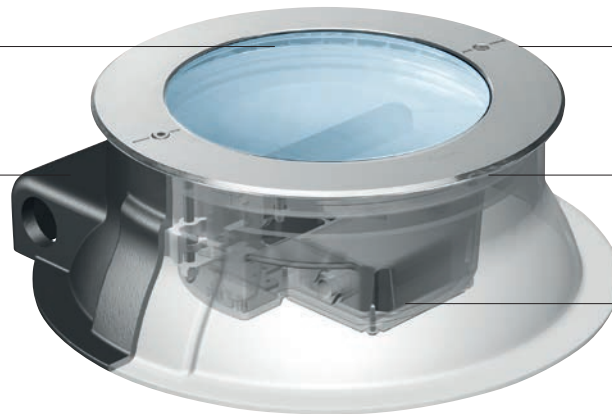
Tempered sealing glass

Stainless steel frame

Aluminium alloy external casing

Silicone seal

Cast aluminium structure

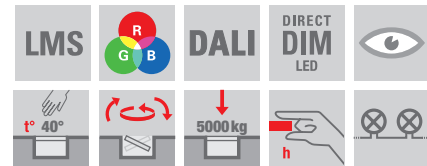


Features



- Floor-recessed luminaire for use with halogen, discharge, fluorescent lamps and LEDs.
- Made of body and outer casing (tall or short).
- Cast aluminium structure; stainless steel AISI 304 bezel; tempered sealing glass; silicone water tight gasket; anti-glare screens designed for visual comfort; M15x1 nickel-plated brass cable clamp (M11x1 in small circular version) for connection between lower assembly and upper assembly.
- Cast aluminium outer casing.

- High visual comfort.
- Versions with adjustable optic.
- LED versions available with RGB dynamic colour change compatible with light management systems.
- RGB LED versions with DIRECT-DIM: possibility of also adjusting using a simple electric push-button.
- Temperature of contact <40° for LED versions.
- Luminaire reduced height.
- Luminaire ready for pass-through wiring.
- Static load resistance 5000 Kg.
- All screws are A2 stainless steel.



Floor installation



Temperature <75° C



Static load resistance 5000Kg




Easy installation

LED

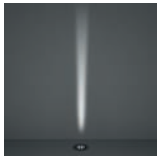
- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

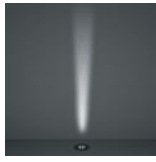
lumen lm	LED	QR CBC 51	
840	14W	50W	72%

(3000K) LED energy saving compared with conventional lamps

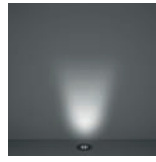
Optics and lamps



SS - Superspot
 $\alpha < 8^\circ$



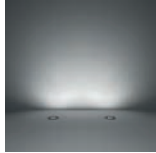
S - Spot
 α from 10° to 15°



F - Flood
 α from 26° to 45°



WF - Wide Flood



WW - Wall Washer

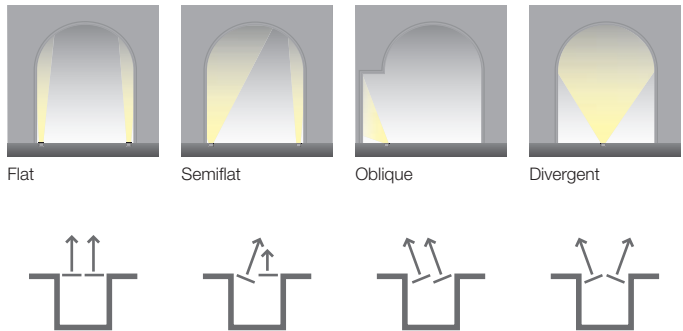


E - Elliptical

	LED	1,2 - 14W		HIT-TC-CE	20W
	LED RGB	11W		HIT-CE	35 - 70 - 150W
	QR-CBC 35	20W		HIT-DE-CE	70W
	HIT-CE	20W		HST-DE	70W

Double-adjustability LED version

The innovative Spot and Flood LED optic, consisting of two independently adjustable sections ($\pm 15^\circ$), allows the light flow to be directed onto the objects and surfaces to be lit without any loss of light intensity for each part of the optical assembly.

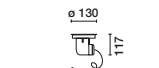


light source	W*	lm	t °C	code colour
	Signalling			
	Cool white			
	1,2W	45	30	B183 13
Warm white				
	1,2W	85	30	BD75 13



Complete with power supply.
On request available with LED blue, red and green.

light source	W	t °C	optic	code colour
	Adjustable optic $\pm 7^\circ$			
	20W	80	10°	BF84 13
Fixed optic				
	20W	80	54°	BF85 13

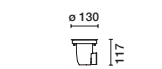


box 210x74xh74

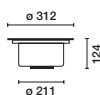
light source	W*	lm	t °C	code colour
	Adjustable optic $\pm 12^\circ$			
	20W	12V	70	B002 13



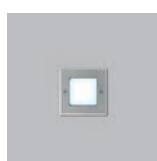
Class of Insulation III
Transformer to be ordered separately



* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



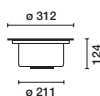
light source	W*	lm	t °C	optic	code colour
LED	Optic with double adjustment ±15°				
Neutral white					
14 W	840	40	10°		BB33 13
14 W	840	40	28°		BB35 13
Warm white					
14 W	840	40	10°		BB34 13
14 W	840	40	28°		BB36 13
RGB DALI					
12 W	540	40	28°		BB37 13
Complete with electronic DALI control card. Power supply to be ordered separately. Occupies 3 addresses.					
RGB DMX-512-RDM					
12 W	540	40	28°		BV72 13
Complete with electronic DMX512-RDM control card. Power supply to be ordered separately. DMX specifications require the insertion of a 120 Ohm terminating resistor (code BZ07) to be placed between the DATA+ and DATA- cables of the last product in the line.					



light source	W*	lm	t °C	optic	code colour
LED	Signalling				
Cool white					
1,2 W	45	30			B257 13
Warm white					
1,2 W	85	30			BD76 13
On request available with LED blue, red and green.					

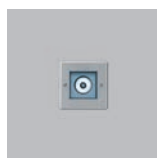


light source	W*	lm	t °C	optic	code colour
QR CBC35 (GU4)	Adjustable optic ±12°				
20 W 12 V		70			B256 13
Class of Insulation III Transformer to be ordered separately					

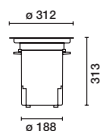


light source	W*	lm	t °C	optic	code colour
HIT-TC-CE (G8,5)	Electronic				
20 W	55	6°			B006 13
20 W	55	WW			B005 13

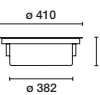
light source	W*	lm	t °C	optic	code colour
HIT-CE (G12)	Electronic				
35 W	75	6°			B008 13
35 W	75	WW			B007 13



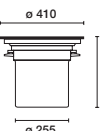
light source	W*	lm	t °C	optic	code colour
HIT-CE (PGJ5)	Electronic - adjustable optic ±7°				
20 W	80	10°			BF86 13
Electronic - fixed optic					
20 W	80	54°			BF87 13



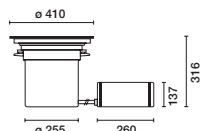
light source	W*	lm	t °C	optic	code colour
Adjustable optic 0°-25°					
HIT-CE (G12)	70 W	80	8°		B012 13
Electronic					
	35 W	60	8°		B009 13



light source	W*	lm	t °C	optic	code colour
HIT-DE-CE (Rx7s)	70 W	95	SM		B021 13
	70 W	85	WW		B020 13
HST-DE (Rx7s)					
















light source	W*	lm	t °C	optic	code colour
HIT-CE (G12)	Adjustable optic 0°-25°				
	70 W	70	10°		B022 13
	150 W	75	10°		B025 13







Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

Light Up Walk professional

accessories and installation systems		 ø 130	 ø 312	 ø 410	 130x130	
	code	colour	code	colour	code	colour
	Refractor for elliptical distribution	1181 24 for BF84-BF85	B922 24 no for wall washer	B923 24 no for wall washer	1181 24 for BF86-BF87	
	Diffusing glass	B917 65 no for LED	B918 65	B919 65 no for B023	B965 65 for B256 B917 65 for BF86-BF87	
	Diffusing prismatic glass It allows for a uniform distribution of light on the wall, reducing shadows	--- ---	BZM8 24 for B005-B007	BZM9 24 for B018-B020	--- ---	
	Spill-ring	BZF8 04 for BF84 BZF9 04 for BF85	--- ---	--- ---	BZF8 04 for BF86 BZF9 04 for BF87	
	Die-cast aluminium casing	B900 04 for B002-B183-B184-BD75	B901 04 for B005-B006-B007-B008 BB33-BB34-BB35-BB36-BB37 B902 04 for B009-B012	B903 04 for B020-B021 B904 04 for B022-B023 B905 04 for B025	B962 04 for B256-B257-B258-BD76	
	Die-cast aluminium casing housing connector box	B958 04 for B002-BF84-BF85	--- ---	--- ---	B963 04 for B256-BF86-BF87	
	Plastic casing housing connector box Static load resistance 500 Kg	BZD0 04 for B002-BF84-BF85	--- ---	--- ---	BZD1 04 for B256-BF86-BF87	
	Cover plate for casing	B909 00	B910 00	B911 00	B964 00	
	Suction cup	B916 00	B916 00	B916 00	B916 00	

Measurements of the casings are shown in the table on page 561

components

	code	colour		code	colour
	Connector block with electronic transformer IP68	B914 04 for B002-B256		Electronic power supply designed to mount on a DIN standard profile 240 W $V_{IN}=88\div 264V_{ac} / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) dim. 63x114x125h	BZ15 00 for BB37
	Connector block without transformer IP68	B915 04 for B183-B184-BD75 B257-B258-BD76			
	Electronic power supply designed to mount on a DIN standard profile 120 W $V_{IN}=88\div 264V_{ac} / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) dim. 40x114x125h	BZ14 00 for BB37		Electronic power supply designed to mount on a DIN standard profile 480 W $V_{IN}=90\div 264V_{ac} / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) dim. 86x114x125h	BZ16 00 for BB37

Light Up Light

Screws to fix the body-frame assembly to the casing

Aluminium reflector and spill-ring for visual comfort

Plastic casing



Stainless steel frame

19 mm thick safety glass and moulded silicone gasket

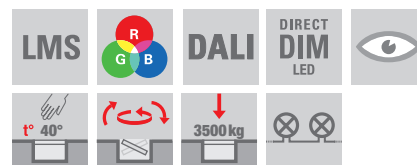
Aluminium body with control gear, double cable-clamp and decompression box

Features



- Floor-/ground-recessed luminaire for use with halogen, discharge, fluorescent lamps and LEDs.
- Made of body and outer casing.
- Aluminium alloy body, AISI 304 stainless steel frame; tempered glass for closure, water-tight silicone gasket, anti-glare screen for visual comfort, M15x1 nickel-plated brass cable gland for connection between lower and upper compartments; positioning and anchoring of the compartment to the outer casing via 2 M6x25 UNI 5931 stainless steel screws.
- For installation, fitting has an outer casing made of black thermoplastic reinforced polypropylene.

- High visual comfort.
- Versions with adjustable optic.
- LED versions available with RGB dynamic colour change compatible with light management systems.
- RGB LED versions with DIRECT-DIM: possibility of also adjusting using a simple electric push-button.
- Temperature of contact <40° for LED versions.
- Luminaire ready for pass-through wiring.
- Static load resistance 3500 Kg.
- All screws are A2 stainless steel.



Floor installation



Ground installation



Temperature <75° C




Static load resistance 3500 Kg

LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 100000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51	
840	14W	50W	72%

(3000K) LED energy saving compared with conventional lamps

Optics and lamps

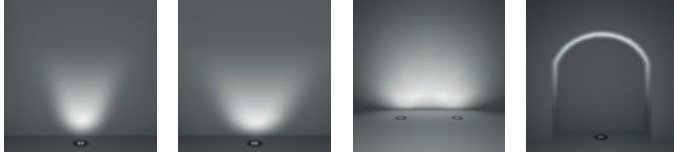


SS - Superspot
 $\alpha < 8^\circ$

S - Spot
 α from 9° to 15°

M - Medium
 α from 16° to 25°

F - Flood
 α from 26° to 39°



WF - Wide Flood
 α from 40° to 60°

VWF - Very Wide Flood

WW - Wall Washer

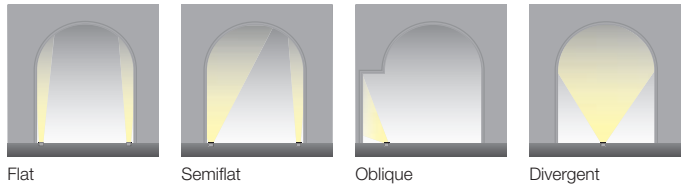
E - Elliptical*

* Elliptical optic is obtained by installing the respective accessories.

LED	14W
LED RGB	11W
HIT-CE	35 - 50W
QR 111	50 - 75W
TC-D	18W

Double-adjustability LED version

The innovative Spot and Flood LED optic, consisting of two independently adjustable sections ($\pm 15^\circ$), allows the light flow to be directed onto the objects and surfaces to be lit without any loss of light intensity for each part of the optical assembly.



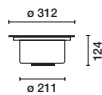
Flat

Semiflat

Oblique

Divergent

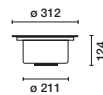




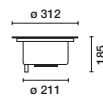
light source	W*	lm	t °C	optic	code colour
LED	Optic with double adjustment ±15°				
Neutral white					
14 W	840	40	10°	BB38 13	
14 W	840	40	28°	BB40 13	
Warm white					
14 W	840	40	10°	BB39 13	
14 W	840	40	28°	BB41 13	
RGB DALI					
12 W	540	40	28°	BB42 13	
Complete with electronic DALI control card. Power supply to be ordered separately. Occupies 3 addresses.					
RGB DMX-512-RDM					
12 W	540	40	28°	BV73 13	
Complete with electronic DMX512-RDM control card. Power supply to be ordered separately. DMX specifications require the insertion of a 120 Ohm terminating resistor (code BZQ7) to be placed between the DATA+ and DATA- cables of the last product in the line.					

Class of Insulation II

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.



B618-B619-B620
B621-B622-B626



B623-B624-B625

light source	W	t °C	optic	code colour
TC-D (G24d-2)	Adjustable optic 0-15°			
18 W	50	34°/70°	B618 13	
Adjustable asymmetrical optic 0-15°				
18 W	50	34°/70°	B619 13	
HIT-CE (G12)	Electronic - adjustable optic 0-15°			
35 W	85	12°	B620 13	
50 W	110	12°	B623 13	
Electronic - fixed optic				
35 W	75	47°/68°	B621 13	
35 W	75	WW	B622 13	
70 W	110	47°/68°	B624 13	
70 W	110	WW	B625 13	
QR 111 (G53)	Electronic - adjustable optic 0-15°			
50/75 W 12 V	150		B626 13	

Class of Insulation II

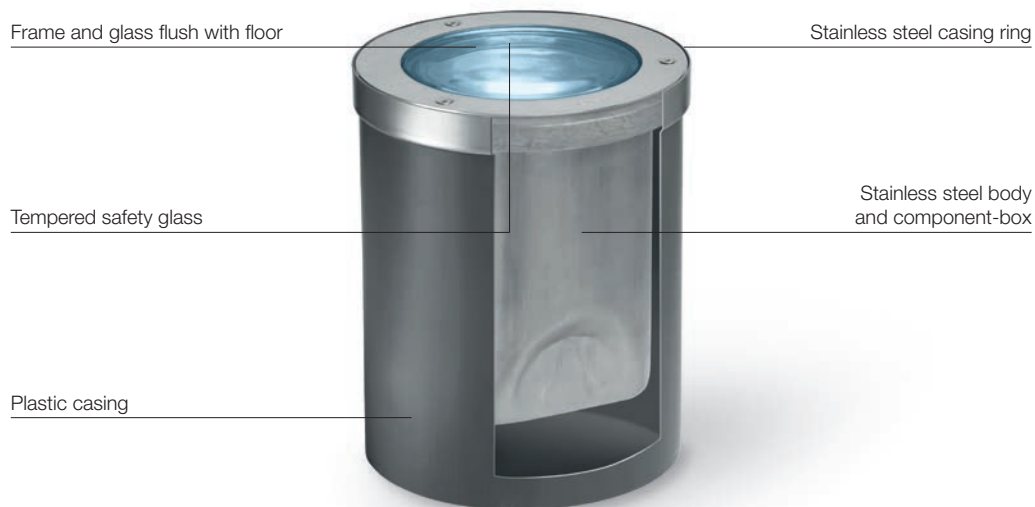
accessories and installation systems

	code	colour
Refractor for elliptical distribution	B922	24 for B618-B619-B620-B621 B626-BB38-BB39-BB40 BB41-BB42
Diffusing glass	B918	65 for B618-B619-B626-BB38 BB39-BB40-BB41-BB42
Diffusing prismatic glass It allows for a uniform distribution of light on the wall, reducing shadows	BZM8	24 for B622
Filter for the reduction of glass temperature <75° C	B991	24 for B622
Plastic casing	B992	04
Cover plate for casing	B910	00
Suction cup	B916	00

Measurements of the casings are shown in the table on page 561

components

	code	colour
Electronic power supply designed to mount on a DIN standard profile 120 W $V_{IN}=88\div 264V_{ac} / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) dim. 40x114x125h	BZ14	00 for BB42
Electronic power supply designed to mount on a DIN standard profile 240 W $V_{IN}=88\div 264V_{ac} / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) dim. 63x114x125h	BZ15	00 for BB42
Electronic power supply designed to mount on a DIN standard profile 480 W $V_{IN}=90\div 264V_{ac} / 47\div 63Hz$ $V_{OUT}=48\div 55V$ (SELV) dim. 86x114x125h	BZ16	00 for BB42



Features



- Floor-recessed luminaire for use with metal halide, halogen, sodium vapour, fluorescent lamps and LEDs.
- Made of body and outer casing.
- Body and frame made of AISI 304 stainless steel; glass closing ring made of die-cast aluminium; tempered safety glass with 8 mm thickness; PG16 cable clamp equipped with a 1 m power cable; superpure aluminium reflectors 99,8÷99,98%.

- Versions with adjustable optic.
- Outer casing for installation made AISI 304 stainless steel and thermoplastic material.
- Temperature of contact <math><40^\circ</math> for LED versions.
- Static load resistance 2500 Kg.
- All external screws are in A2 stainless steel.



Floor installation



Flush frame with screw antitheft




Easy maintenance

LED

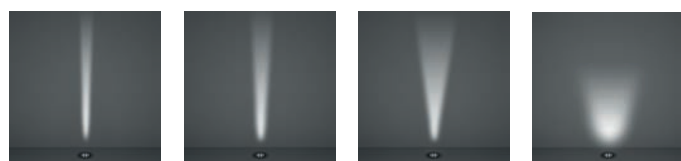
- **LED Single Chip**
- Colour stability **Mac Adam <math><3</math>**
- **Life** 100000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	QT 9 -SD	
220	3,5W	20W	82%

(3000K) LED energy saving compared with conventional lamps

Optics and lamps

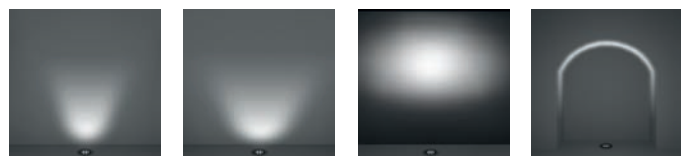


SS - Superspot
 $\alpha < 8^\circ$

S - Spot
 α from 9° to 15°

M - Medium
 α from 16° to 25°

F - Flood
 α from 26° to 39°



WF - Wide Flood
 α from 40° to 60°

VWF - Very Wide Flood

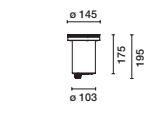
A - Asymmetric

E - Elliptical*

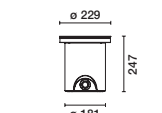
* Elliptical optic is obtained by installing the respective accessories.

LED	3,5W		QR-CBC 51 20W	
	HIT-CE	20 - 35 - 70W		HIT-DE-CE 70W
	HIT-CE	70W		HST-DE 70W
	HST	70W		

light source	W*	lm	t °C	optic	code colour
LED	Adjustable optic $\pm 10^\circ$ Neutral white				
	3,5W	260	40	6°	BD24 13
	Adjustable optic $\pm 10^\circ$ Warm white				
	3,5W	220	40	6°	BD25 13
QR CBC 51 (GU5,3)	Electromagnetic				
	20W 12V		65		BD22 13
Suitable for Energy Saver lamp (Osram Decostar 51 ES and Philips MASTERline ES)					



light source	W	t °C	optic	code colour	
HIT-CE (G12)	Electronic - adjustable optic $\pm 15^\circ$				
		20W	85	36°	BD31 13
		35W	90	36°	BD26 13
	Electromagnetic - adjustable optic $\pm 15^\circ$				
		70W	140	36°	BD27 13
HST (E27)	Electromagnetic				
	70W	115	13°	BD28 13	
HIT-CE (E27)					

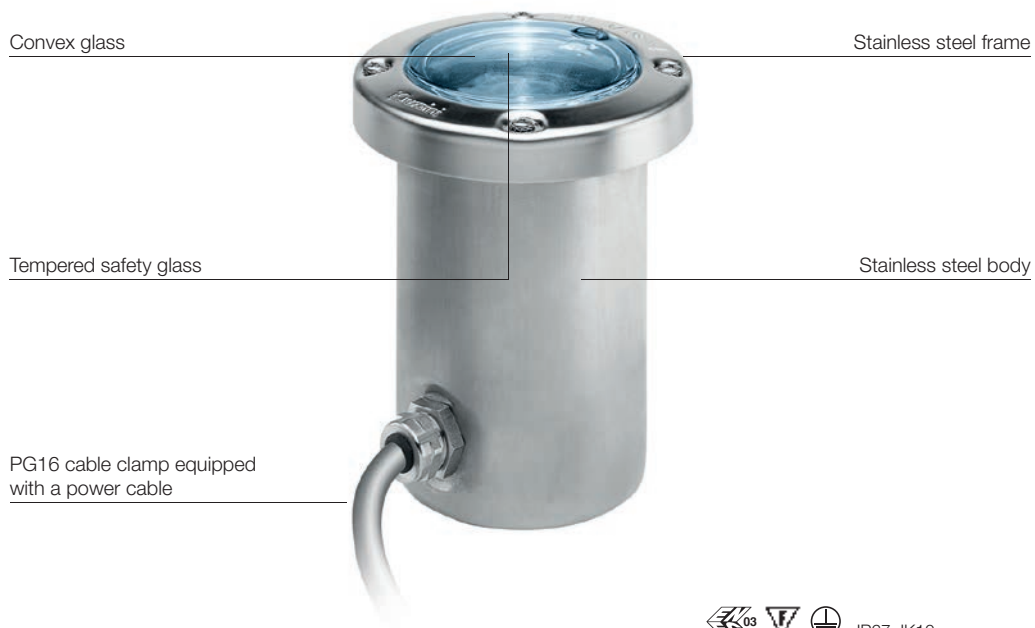


The light source can be angled at 25° to provide an asymmetrical flow of light.

HIT-DE-CE (Rx7s)	Electromagnetic - asymmetrical optic			
	70W	140		BD30 13
HST-DE (Rx7s)				

accessories and installation systems				
	code	colour	code	colour
Refractor for elliptical distribution	1902	24	BZA1	24
	for BD22		for BD26-BD31	
Spill-ring	1904	04	BZA3	04
	for BD22		for BD26-BD31	
Casing	5997	13	5998	13
Kit for screw antitheft	BZA4	13	BZA4	13
Key for screw antitheft	0245	00	0245	00

Measurements of the casings are shown in the table on page 561

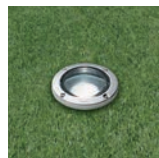
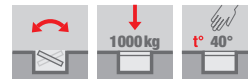


Features



- Ground-recessed luminaire for use with metal halide, halogen, sodium vapour, mercury, fluorescent lamps and LEDs.
- Body and frame made of AISI 304 stainless steel; tempered safety glass with 8 mm thickness; PG16 cable clamp equipped with a 1 m power cable. Model also available with adjustable arms; superpure aluminium reflector.

- Versions with adjustable optic.
- Temperature of contact <math><40^{\circ}</math> for LED versions.
- Static load resistance 1000 Kg.
- All external screws are in A2 stainless steel.



Ground installation



Screw antitheft



Convex glass for water drainage




Versions with adjustable arms

LED

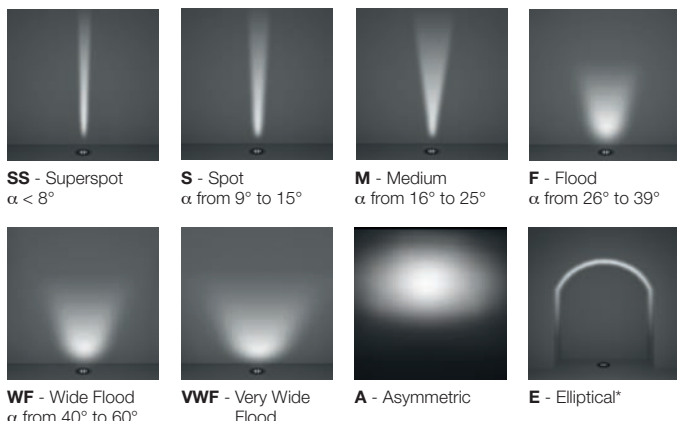
- LED Single Chip
- Colour stability Mac Adam <math><3</math>
- Life 100000 h L80
- Color temperature: Neutral white 4000K Warm white 3000K

Energy saving

lumen lm	LED	QT 9	
220	3,5W	20W	83%

(3000K) LED energy saving compared with conventional lamps

Optics and lamps



SS - Superspot $\alpha < 8^{\circ}$

S - Spot α from 9° to 15°

M - Medium α from 16° to 25°







F - Flood α from 26° to 39°

WF - Wide Flood α from 40° to 60°

VWF - Very Wide Flood

A - Asymmetric

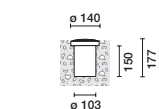
E - Elliptical*

LED	3,5 - 7,1W		HIT-CE	20 - 35 - 70W
	QR-CBC 51		HIT-CE	70W
	PAR 20		HST	70W
	HIT-DE-CE		QR 111	75W
	HST-DE		PAR 30S	100W
	TC-D			

* Elliptical optic is obtained by installing the respective accessories.



light source	W*	lm	t °C	optic	code colour
LED					
Adjustable optic ±10° Neutral white	3,5W	260	40	26°	7111 13
Adjustable optic ±10° Warm white	3,5W	220	40	26°	7112 13

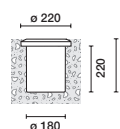
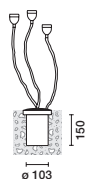


QRBC51 (GU5,3)	Electromagnetic				
	20W 12V		65		7160 13
	Suitable for Energy Saver lamp (Osram Decostar 51 ES and Philips MASTERline ES)				

PAR20 (E27)	50W 230V		130		7162 13



LED					
Warm white	7,1W	360	40	32°	7197 04



light source	W	t °C	optic	code colour
HIT-CE (G12)				
Electronic - adjustable optic ±15°	20W	70	36°	7199 13
	35W	90	32°	7163 13
Electromagnetic - adjustable optic ±15°	70W	140	42°	7164 13

HST (PG12-1)	Electromagnetic			
	70W	115	16°	7172 13
HIT-CE (E27)				

The light source can be angled at 25° to provide an asymmetrical flow of light.

HIT-DE-CE (Rx7s)	Electromagnetic - asymmetrical optic			
	70W	115		7194 13

HST-DE (Rx7s)				

TC-D (G24d-1)	Electromagnetic			
	13W	50	84°	7167 13

On request available with 14/17 WTC-TEL (Philips PL-R) lamp with electronic power supply (code 7198)

QR 111 (G53)	Electromagnetic - adjustable optic			
	75W 12V	180		7169 13

The optical assembly can be angled at: rotation around the vertical axis: 180°, inclination: ±30 in relation to the horizontal plane.

PAR30S (E27)	Adjustable optic			
	100W	125		7170 13

The optical assembly can be angled at: rotation around the vertical axis: 180°, inclination: ±30 in relation to the horizontal plane.

accessories and installation systems



	code	colour	code	colour
Refractor for elliptical distribution	1902	24	BZA1	24
		for 7160-7162		for 7163-7199
			8771	24
				for 7170
Coloured filters	---	---	8754	05-06-09
				for 7170
Spill-ring	1904	04	1905	04
		for 7160-7162		for 7167
			1906	04
				for 7174
			BZA3	04
				for 7163-7199
Protective steel grid	---	---	1908	13
Kit for screw antitheft	0225	13	0225	13
		Cannot be used with the protective grid		
Key for screw antitheft	0245	00	0245	00

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

Light Up Balisage

design Gianfranco Paghiera



Features



- Floor-recessed luminaire for use with halogen lamps and LEDs.
- Made of body and outer casing.
- Stainless steel body and aluminium alloy screen; EPDM black basket; tempered safety glass; lens optical system; PG13.5 cable clamp equipped with 1 m power cable with anti-transpiration device.
- High visual comfort.
- Outer casing for installation made of aluminium and plastic material.
- Static load resistance 5000 Kg.
- All external screws are in A2 stainless steel.



Floor installation

LED

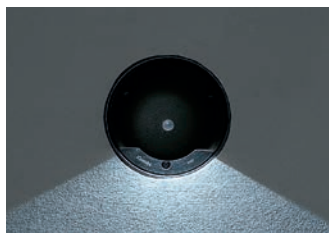
- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 100000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

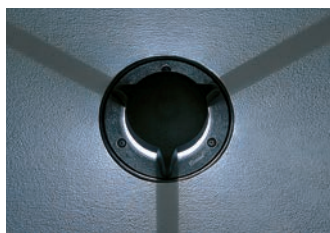
lumen lm	LED	QT 9 =	ENERGY SAVING
320	3W	20W	85%

(3000K) LED energy saving compared with conventional lamps

Light distribution

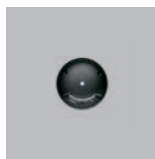
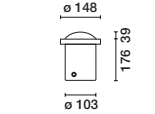
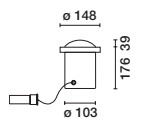


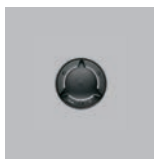
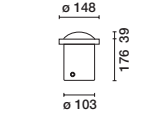
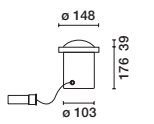
Recessed fittings for ground-level lighting from one side



Recessed fittings for ground-level lighting from three sides

LED	3W
HIT-CE	20W

	light source	W*	lm	code	colour
	LED new	Lighting from one side			
					Neutral white
	•	3W	340	BM38	04
					Warm white
		3W	320	BD77	04
	Class of Insulation II On request available with LED blue, red, green and amber.				
	HIT-CE (PGJ5)	Electronic		BF90	04
		20W			
					
					box 210x74xh74
				BF90	

	light source	W*	lm	code	colour
	LED new	Lighting from three sides			
					Neutral white
	•	3W	340	BM39	04
					Warm white
		3W	320	BD78	04
	Class of Insulation II On request available with LED blue, red, green and amber.				
	HIT-CE (PGJ5)	Electronic		BF91	04
		20W			
					
					box 210x74xh74
				BF91	

accessories

	code	colour
 Casing	5935	04

Measurements of the casings are shown in the table on page 561

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

Light Up

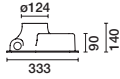
circular recessed luminaire

Light Up Walk professional

B900



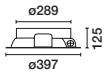
B958



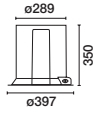
BZD0



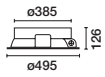
B901



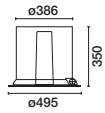
B902



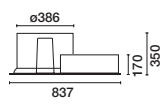
B903



B904



B905



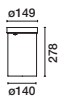
Light Up Light

B992

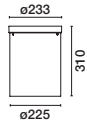


Light Up Walk inox

5997

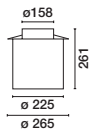


5998



Light Up Balisage

5935



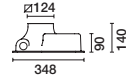
square recessed luminaire

Light Up Walk professional

B962



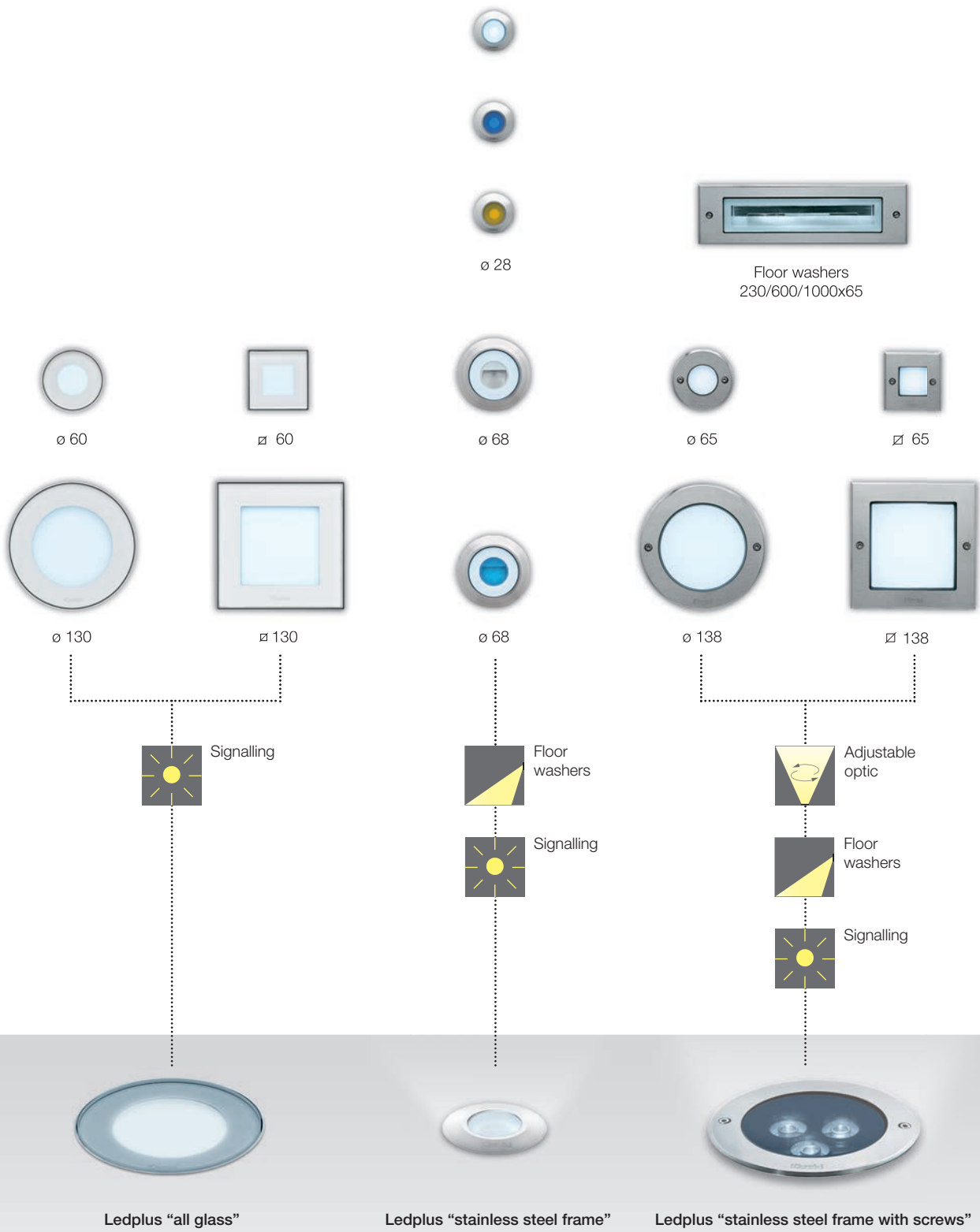
B963



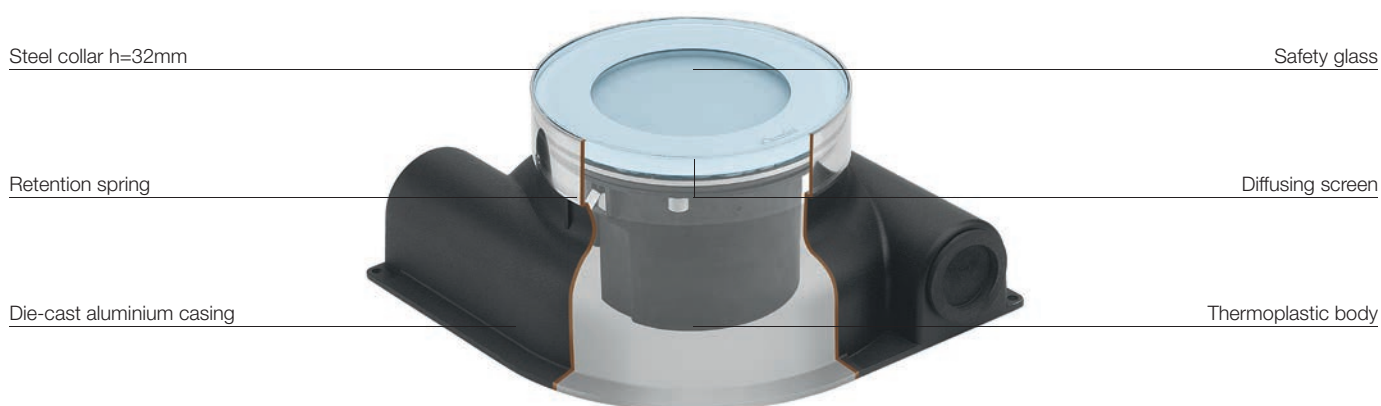
BZD1







Ledplus "all glass"

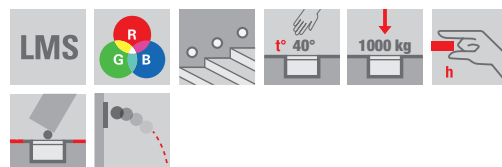


Features




 IP68 IK08

- Wall/floor-recessed luminaire for use with LEDs for accent/signalling light.
 - Made of extra-clear sodium-calcium glass, with no visible screws, and with diffused light; the stainless steel lower ring is connected to the tempered diffusing glass. The entire structure is supported by 4 fastening components made of AISI 304 machined stainless steel.
 - The body of the luminaire is made of highly resistant thermoplastic material. It has a M14x1 A2 stainless steel cable clamp, and PG11 for the 130 mm large version; and a 300 mm-long exit cable;
- the stainless steel upper collar is flush with surface and secured to the casing.
- The fitting has a die-cast aluminium barrel casing or a cylindrical casing made of plastic material.
 - Versions with RGB dynamic colour change and compatible with preconfigured light management systems.
 - Static load resistance 500/1000 Kg.
 - IK08 impact resistance.
 - Temperature of contact < 40°C.
 - Luminaire reduced height.



Floor installation



Wall-mounted installation



Temperature < 40° C



Static load resistance 500 Kg with plastic casing, 1000 Kg with aluminium casing



Installed flush with floor

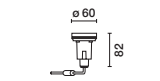
Signalling

Designed to be sturdy and inexpensive to run, these luminaires mark indoor and outdoor routes and areas, guaranteeing maximum safety and minimum visual impact.

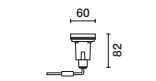




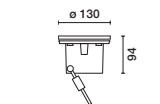
light source	W*	lm	code	colour
LED	Cool white			
	0,7W 24Vdc	15	2606	00



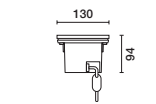
light source	W*	lm	code	colour
LED	Cool white			
	0,7W 24Vdc	15	2620	00



LED	Cool white			
	1,5W 24Vdc	35	2628	00
	RGB			
	5,2W 24Vdc	45	2633	00



LED	Cool white			
	1,5W 24Vdc	35	2635	00
	RGB			
	5,2W 24Vdc	45	2640	00



Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

The components that are necessary for the operation of the fittings must be ordered separately. They are presented on page 571.

accessories and installation systems	ø 60		ø 130		60x60		130x130	
	code	colour	code	colour	code	colour	code	colour
Coloured filters	9568	02-06 26-D7	9570	02-06 26-D7 for 2628	9572	02-06 26-D7	9574	02-06 26-D7 for 2635
Plastic casing for wall and floor installation + top end cap IP68	6943	04	6949	04	6946	04	6952	04
Aluminium casing for wall installation + top end cap	6941	04	6947	04	6944	04	6950	04
Aluminium casing for floor installation + top end cap	6942	04	6948	04	6945	04	6951	04
Adapter for casing ø 260 - h 105	9579	00 for 6943	9579	00 for 6949	9579	00 for 6946	9579	00 for 6952
Adapter for casing ø 357 - h 105	9580	00 for 6941-6942	9580	00 for 6947-6948	9580	00 for 6944-6945	9580	00 for 6950-6951
Suction cup	9583	00	9583	00	9583	00	9583	00

Measurements of the casings are shown in the table on page 572

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

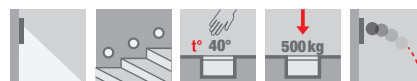
Ledplus “stainless steel frame”



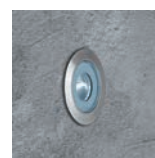
Features



- Wall-/floor-recessed luminaire for use with LED lamps for accent lighting/signs.
- The body of the 68 mm wall-washer version is made of highly resistant thermoplastic material, whereas the 28 mm versions are made of AISI 304 stainless steel; stainless steel cable clamp, and 300 mm-long exit cable.
- The fitting has a die-cast aluminium barrel casing or a cylindrical casing made of plastic polypropylene material.
- Static load resistance 500 Kg.
- IK08 impact resistance.
- Temperature of contact < 40°C.
- Luminaire reduced dimensions.



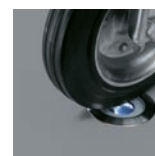
Floor installation



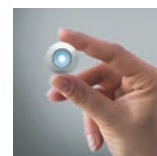
Wall-mounted installation



Temperature < 40°C



Static load resistance 500 Kg



Compact size

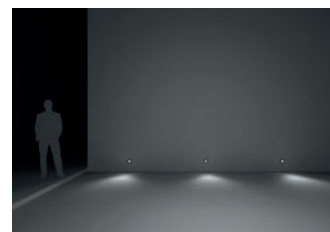
Signalling

Designed to be sturdy and inexpensive to run, these luminaires mark indoor and outdoor routes and areas, guaranteeing maximum safety and minimum visual impact.

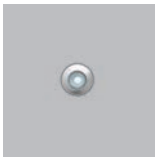



Floor washers


The luminaires, positioned on walls individually or “in a line”, light the floor evenly and without glare.







	light source	W*	lm	code colour
	LED	Signalling		
		Cool white		
		0,4 W	24Vdc	3
				2600 13
		Blue		
		0,4 W	24Vdc	1
				2601 13
		Amber		
		0,5 W	24Vdc	2
				2604 13







	light source	W*	lm	code colour
	LED	Floor washer		
		Cool white		
		0,4 W	24Vdc	10
				2611 13
		Blue		
		0,4 W	24Vdc	2
				2612 13









The components that are necessary for the operation of the fittings must be ordered separately. They are presented on page 571.

installation systems  ø 28

	code	colour
 Casing for installation in concrete walls + end cap	6938	00
 Casing for installation on concrete floors + end cap	6939	00
Static load resistance 1000Kg		
 Cylindrical casing for plasterboard or similar walls	6940	00
 Suction cup	9583	00

Measurements of the casings are shown in the table on page 572

installation systems  ø 68

	code	colour
 Plastic casing for walls and floor installation + top end cap	6943	04
 Aluminium casing for wall installation + top end cap	6941	04
 Adapter for casing ø 260 - h 105	9579	00
for 6943		
 Adapter for casing ø 357 - h 105	9580	00
for 6941		
 Suction cup	9583	00

Measurements of the casings are shown in the table on page 572

Ledplus “stainless steel frame with screws”

10 mm thick safety glass and moulded silicone gasket

Screws to fix the body-frame assembly to the casing

Stainless steel frame AISI 304

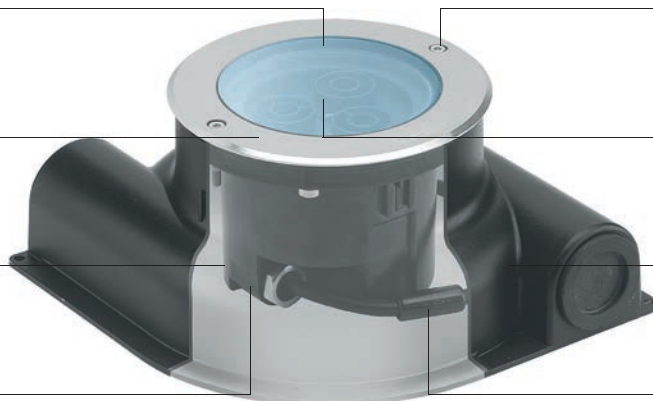
Spill-ring for visual comfort

Thermoplastic body equipped with LED circuit

Die-cast aluminium casing

AISI 304 stainless steel cable clamp

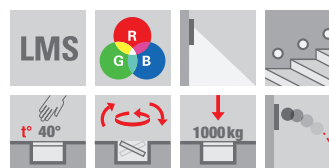
300 mm power cable with pull and transpiration prevention device



Features



- Wall/floor-recessed luminaire for use with leds for signalling, lighting and floor washer.
- Ledplus has a body (round and square) a casing and frame.
- Version round and square: the body of the fitting is made of highly resistant thermoplastic material; H=100 mm painted cast aluminium barrel outer casing for installation, which can be ordered separately, for wall- or ground-installation, complete with end cap. H=150 mm version available in plastic for installation in gardens.
- Version linear: extruded aluminium body and die-cast black painted end caps; H=100 mm painted extruded aluminium and stainless steel outer casing for installation, which can be ordered separately, for wall or ground-installation, complete with top end cap.
- Stainless steel frame; sodium-calcium upper glass; in versions with marker LEDs there is a milky inner screen; black silicone rubber sealing gasket; AISI 304 stainless steel turned parts for fixing the body to the frame/glass; linear versions with sodium-calcium tempered glass secured to the body with silicone; anti-glare spill-ring made of thermoplastic material for versions with lighting LEDs.
- Versions with RGB dynamic colour change and compatible with preconfigured light management systems.
- Versions with adjustable optic.
- Static load resistance 1000 Kg.
- IK08 impact resistance.
- Temperature of contact <math>< 40^{\circ}</math>.
- Luminaire reduced height.
- All external screws are A2 stainless steel.



Floor installation



Ground installation



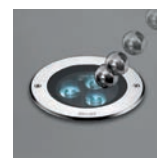
Wall-mounted installation



Temperature <math>< 40^{\circ}\text{C}</math>



Static load resistance 500 Kg with plastic casing, 1000 Kg with aluminium casing



Anti-vandal feature

Ledplus “stainless steel frame with screws”

Lighting effect

Ledplus is available with various light emissions, depending on the type of application and lighting design requirements.



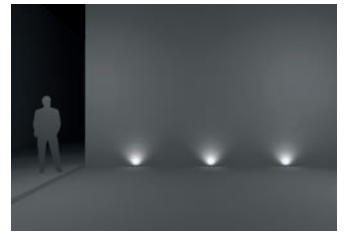
Signalling

Designed to be sturdy and inexpensive to run, these luminaires mark indoor and outdoor routes and areas, guaranteeing maximum safety and minimum visual impact.



Floor washers

The luminaires, positioned on walls individually or “in a line”, light the floor evenly and without glare.

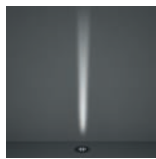


Lighting

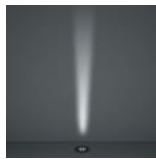
Compared with traditional light sources, the light output being the same, these LED luminaires guarantee significant energy savings, lower maintenance and minimal light pollution.

Optics and lamps

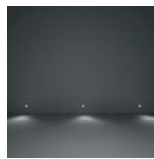
Luminaires for marker lighting do not have photometric data.



SS - Superspot
 $\alpha < 8^\circ$



S - Spot
Adjustable



WP - Floor washers

LED


0,4 - 0,7 - 1,2W

2,4 - 5,2 - 6,9W

LED

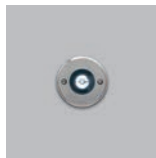
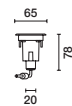

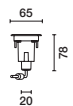

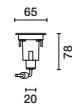

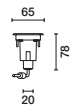
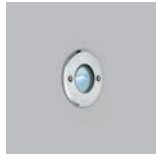




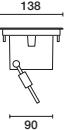

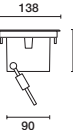

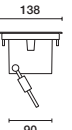

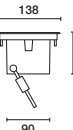


- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**
Cool white **6000K**

Energy saving

lumen lm	LED	QT 9	
180	2,4W	20W	88%

(3000K) LED energy saving compared with conventional lamps









	light source W*	lm	optic	code colour		light source W*	lm	optic	code colour
 	LED Adjustable optic $\pm 7^\circ$				 	LED Adjustable optic $\pm 7^\circ$			
	Neutral white 1,2W 350mA 90 8° BB43 13					Neutral white 1,2W 350mA 90 8° BB47 13			
	Warm white 1,2W 350mA 80 8° BB44 13					Warm white 1,2W 350mA 90 8° BB48 13			
	Blue 1,2W 350mA 90 8° B281 13					Blue 1,2W 350mA 90 8° B300 13			
	Power supply only with code 9905-9907.					Power supply only with code 9905-9907.			
 	LED Signalling				 	LED Signalling			
	Cool white 0,7W 24Vdc 15 B275 13					Cool white 0,7W 24Vdc 15 B294 13			
	Warm white 0,4W 24Vdc 10 BD71 13					Warm white 0,4W 24Vdc 10 BD73 13			
	Blue 0,7W 24Vdc 3 B276 13					Blue 0,7W 24Vdc 3 B295 13			
 	LED Floor washer				 	LED Floor washer			
	Cool white 0,4W 24Vdc 10 B285 13					Cool white 0,4W 24Vdc 10 B304 13			
	Warm white 0,4W 24Vdc 8 BD72 13					Warm white 0,4W 24Vdc 8 BD74 13			
	Blue 0,4W 24Vdc 2 B286 13					Blue 0,4W 24Vdc 2 B305 13			
 	LED Adjustable optic $\pm 10^\circ$				 	LED Adjustable optic $\pm 10^\circ$			
	Neutral white 2,4W 220-240Vac 210 8° BB45 13					Neutral white 2,4W 220-240Vac 210 8° BB49 13			
	Warm white 2,4W 220-240Vac 180 8° BB46 13					Warm white 2,4W 220-240Vac 180 8° BB50 13			
	Blue 2,6W 220-240Vac 35 12° B319 13					Blue 2,6W 220-240Vac 35 12° B337 13			
	Complete with power supply. Class of Insulation II.					Complete with power supply. Class of Insulation II.			
 	LED Signalling				 	LED Signalling			
	RGB DALI 5,2W 24Vdc 45 B328 13					RGB DALI 5,2W 24Vdc 45 B346 13			
					 	LED Floor washer			
						Neutral white 2,3W 220-240Vac 180 230 BB57 13			
						6,9W 220-240Vac 530 600 BB59 13			
						Warm white 2,3W 220-240Vac 150 230 BB58 13			
						6,9W 220-240Vac 460 600 BB60 13			
						Complete with power supply. Class of Insulation II.			

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.












* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

Ledplus “stainless steel frame with screws”


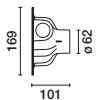
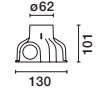
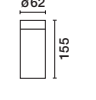

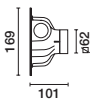
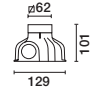
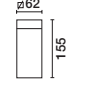

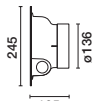
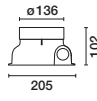
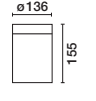

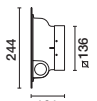
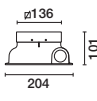
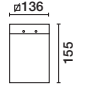
accessories and installation systems					
	code colour	code colour	code colour	code colour	code colour
 Diffusing filter	9569 65 for B281-BB43-BB44	9571 65 for BB45-BB46-B319	9569 65 for B300-BB47-BB48	9575 65 for B337-BB49-BB50	--- ---
 Plastic casing for installation on wall, floor and ground + end cap - IP68	B975 04	B981 04	B978 04	B984 04	--- ---
 Aluminium casing for installation on cement concrete walls + end cap	B973 04	B979 04	B976 04	B982 04	--- ---
 Aluminium casing for installation on floor + end cap	B974 04	B980 04	B977 04	B983 04	--- ---
 Aluminium casing + end cap	--- ---	--- ---	--- ---	--- ---	B985 04 for versions L=230 B986 04 for versions L=600
 Adapter for casing ø 260 - h 105	9579 00 for B975	9579 00 for B981	9579 00 for B978	9579 00 for B984	--- ---
 Adapter for casing ø 357 - h 105	9580 00 for B973-B974	9580 00 for B979-B980	9580 00 for B976-B977	9580 00 for B982-B983	--- ---
 Suction cup	9583 00	9583 00	9583 00	9583 00	9583 00

Measurements of the casings are shown in the table on page 572








components

 Electronic power supply designed to mount on a DIN standard profile 10W $V_{IN}=220\div 240Vac / 50\div 60Hz$ $V_{OUT}=24Vdc \pm 2\%$ (SELV)	9908 00	 Electronic power supply 7W - IP20 $V_{IN}=100\div 240Vac / 50\div 60Hz$ $V_{OUT}=24Vdc 350mA$ dim. 42x40x22h	9905 00 for B281-B300-BB43 BB44-BB47-BB48
 Electronic power supply designed to mount on a DIN standard profile 24W $V_{IN}=90\div 260Vac / 50\div 60Hz$ $V_{OUT}=24Vdc \pm 2\%$ (SELV)	9909 00	 Electronic power supply 17W - IP20 $V_{IN}=110\div 240Vac / 50\div 60Hz$ $V_{OUT}=48Vdc 350mA$ dim. 38x122x28h	9907 00 for B281-B300-BB43 BB44-BB47-BB48
 Electronic power supply designed to mount on a DIN standard profile 72W $V_{IN}=220\div 240Vac / 50\div 60Hz$ $V_{OUT}=24Vdc \pm 2\%$ (SELV)	9910 00	 Colour LED Interface Number of DIN modules: 7 - Controls RGB PWM devices - Power consumption: 3 W - The number of devices controlled by each supplier is indicated in the instruction sheet - Occupies 3 DALI addresses	9639 00
 Electronic power supply designed to mount on a DIN standard profile 96W $V_{IN}=220\div 240Vac / 50\div 60Hz$ $V_{OUT}=24Vdc \pm 2\%$ (SELV)	9911 00	 Box for power supplies IP67 dim. 140x230x95h	9582 00 for 9908-9909-9910-9911
 Electronic power supply designed to mount on a DIN standard profile 240W $V_{IN}=88\div 264Vac / 50\div 60Hz$ $V_{OUT}=24\div 28Vdc$ (SELV) dim. 63x114x125h	9912 00	 Connector block without transformer IP68	B915 04
		 Connector block without transformer IP68	9581 04


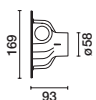
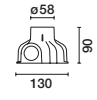
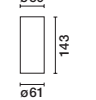

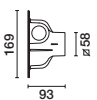
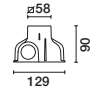
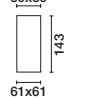

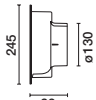
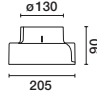
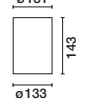

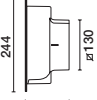
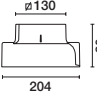
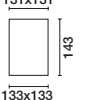



“all glass” version

circular recessed	wall-mounted installation	floor installation	wall/floor installation	square recessed	wall-mounted installation	floor installation	wall/floor installation
 ø 60	6941  169 101 ø 62	6942  ø 62 130 101	6943  ø 62 155	 ø 60	6944  169 101 ø 62	6945  ø 62 129 101	6946  ø 62 155
 ø 130	6947  245 105 ø 136	6948  ø 136 205 102	6949  ø 136 155	 ø 130	6950  244 101 ø 136	6951  ø 136 204 101	6952  ø 136 155

“stainless steel frame” version

circular recessed	installation on plasterboard walls	installation on concrete walls	floor installation	circular recessed	wall-mounted installation	wall/floor installation
 ø 28	6940  21,2 80	6938  141 21,2 104	6939  21,2 101 ø 120	 ø 68	6941  169 101 ø 62	6943  ø 62 155

“stainless steel frame with screws” version

circular recessed	wall-mounted installation	floor installation	wall/floor/ground installation	square recessed	wall-mounted installation	floor installation	wall/floor/ground installation
 ø 65	B973  169 93 ø 58	B974  ø 58 130 90	B975  ø 59 143 ø 61	 ø 65	B976  169 93 ø 58	B977  ø 58 129 90	B978  59x59 143 61x61
 ø 138	B979  245 93 ø 130	B980  ø 130 205 90	B981  ø 131 143 ø 133	 ø 138	B982  244 93 ø 130	B983  ø 130 204 90	B984  131x131 143 133x133
 linear recessed	wall-mounted installation	wall-mounted installation					
	B985  58 81 88 L=227	B986  58 81 88 L=597					





Lun-Up



monochromatic



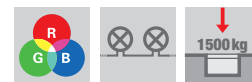
RGB

Features



- Direct light luminaire for use with monochromatic LED power and signalling RGB.
- Recessed ground/floor/wall installation, with the relevant outer casing.
- Consisting of body and outer casing to be ordered separately, shaped as quarter of circle.
- Temperature of contact < 40°C
- Luminaire reduced dimensions.
- Cast aluminium body consisting of two parts secured together with stainless steel screws and silicone gasket; tempered sodium-calcium sealing glass, 8 mm thick, siliconed to upper compartment.
- The lower assembly comes complete with a stainless steel PG11 cable clamp, multi-pole cable

- L=300mm and IP68 Y connector, suitable for cables with diameter D=8-17mm + terminal block for cables with max. section 4 mm² (monochrome versions) and for cables max. 1.5 mm² (RGB versions), complete with cover plate and set up for pass-through cables.
- Stainless steel outer casing with shot blasting surface treatment and galvanized steel end caps.
- Versions with RGB dynamic colour change and compatible with preconfigured light management systems.
- Luminaire ready for pass-through wiring.
- All external screws are A2 stainless steel.



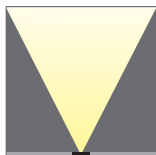
Floor installation



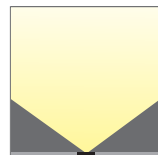
Ground installation

Light distribution

Monochromatic version with Flood and Wide Flood Optic.



Flood



Wide Flood


RGB version with signalling light



LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51	
1300	12W	75W	84%

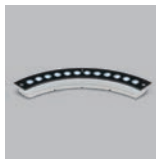
(3000K) LED energy saving compared with conventional lamps



01
WHITE

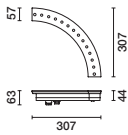
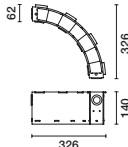


04
BLACK

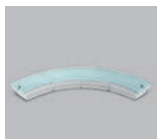


light source	W*	lm	optic	code colour
LED	Neutral white			
	12W	1400	34°	BJ76 04
	12W	1400	52°	BJ78 04
Warm white				
	12W	1300	34°	BJ77 04
	12W	1300	52°	BJ79 04

24Vdc power supply to be ordered separately.

casing code BZN8


















light source	W*	lm	code colour
LED	RGB PWM		
	3W	50	BJ81 01
RGB DMX			
	3W	50	*BJ80 01

* Complete with electronic control card.
24Vdc power supply to be ordered separately.

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

installation systems and components

	code	colour
 Stainless steel casing	BZN8	13
 Cover plate for casing	BZN9	00
 Constant-voltage electronic power supply 50W 24V I _{OUT} =2A	MWK4	00
 Constant-voltage electronic power supply 70W 24V I _{OUT} =2,9A	MWK5	00
 DALI dimming interface monochromatic 120W 24V V _{IN} =10-24Vdc V _{OUT} =10,5-24Vdc	MWP3	00
 Electronic power supply designed to mount on a DIN standard profile DIN 10W V _{IN} =220÷240Vac / 50÷60Hz V _{OUT} =24Vdc ±2% (SELV)	9908	00
 Electronic power supply designed to mount on a DIN standard profile DIN 24W V _{IN} =90÷-260Vac / 50÷60Hz V _{OUT} =24Vdc ±2% (SELV)	9909	00
 Electronic power supply designed to mount on a DIN standard profile 72W V _{IN} =220÷240Vac / 50÷60Hz V _{OUT} =24Vdc ±2% (SELV)	9910	00
 Electronic power supply designed to mount on a DIN standard profile 96W V _{IN} =220÷240Vac / 50÷60Hz V _{OUT} =24Vdc ±2% (SELV)	9911	00

	code	colour
 Electronic power supply designed to mount on a DIN standard profile 120W V _{IN} =88÷264Vac / 50÷60Hz V _{OUT} =24÷28Vdc (SELV) dim. 40x114x125h	BZK0	00
 Electronic power supply designed to mount on a DIN standard profile 240W V _{IN} =88÷264Vac / 50÷60Hz V _{OUT} =24÷28Vdc (SELV) dim. 63x114x125h	9912	00
 Electronic power supply designed to mount on a DIN standard profile 480W V _{IN} =90÷264Vac / 50÷60Hz V _{OUT} =24÷28Vdc (SELV) dim. 86x114x125h	BZK1	00
 Box for power supplies IP67 dim. 140x230x95h	9582	00
 Colour LED Interface Number of DIN modules: 7 - Controls RGB PWM devices - Power consumption: 3 W - The number of devices controlled by each supplier is indicated in the instruction sheet - Occupies 3 DALI addresses	9639	00
 Y-coupling with 5 poles IP68 For connection between DMX signal cable and power supply cable	BZN7	00 for RGB-DMX versions (code BJ80)

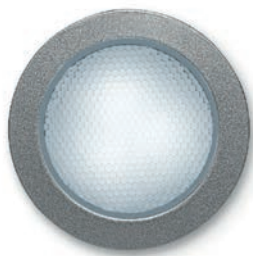




04
BLACK



15
GREY



Features



- Wall-recessed luminaire for use with halogen lamps and LEDs.
- General and floor washer lighting.
- High visual comfort.
- Composed of component-holder compartment, frame and diffuser.
- External die-cast aluminium frame; thermoplastic protective screen;

perimeter gasket made with EPDM; made with EPDM; plastic casing. Control gear plate enclosed in the polycarbonate assembly.

- IK08 impact resistance.
- All screws are A2 stainless steel.



LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	QT 9 -CB-	
250	3,5W	20W	82%

(3000K) LED energy saving compared with conventional lamps

light source	W*	lm	code colour
LED	General lighting Warm white Complete with power supply	3,5W 250	BF97 04-15

light source	W*	lm	code colour
LED	Floor washer Warm white Complete with power supply	3,5W 250	BF99 04-15

installation systems

	code	colour
Casing	BZH1	04

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

Walky - Miniwalky

design Mario Cucinella



Features

   IP66 IK05 (IK10 with louvre)



- Wall-recessed installation.
- Composed of component-holder compartment, frame and diffuser.
- General and floor washer lighting.
- High visual comfort.
- Die-cast aluminium external frame; glass safety screen; perimeter gasket made of EPDM; PG11 cable clamp.
- Control gear plate enclosed in a thermoplastic box, complete with a safety cover.
- Power supply with 2-pole quick-connecting terminals. Electromagnetic cables (Walky).
- Printed circuit board complete with 7x1.2W LED warm white 3100K (Miniwalky).
- All screws are A2 stainless steel.



LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature: Neutral white **4000K** Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51 	
590	8,1W	35W	82%







(3000K) LED energy saving compared with conventional lamps

Walky - Miniwalky




04
BLACK

15
GREY

	light source	W	length	code colour		light source	W*	lm	length	code colour	
	TC-L (2G11)	Electronic 18 W	318	7131 04-15			LED	General lighting Warm white Complete with power supply	8,1 W 590	260	BG01 04-15
	TC-L (2G11)	Electronic 18 W	318	7133 04-15			LED	Floor washer Warm white Complete with power supply	8,1 W 590	260	BG03 04-15

installation systems

	code	colour
	BZH3	04
	for 7131-7133	
	BZH2	04
		for BG01-BG03

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



iRound

design Maurizio Varratta



Features

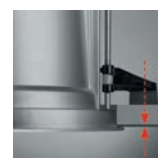


- Luminaire with direct emission for use with LEDs, halogen, metal halide and fluorescent lamps.
- Recessed installation into the ceiling.
- High visual comfort.
- Composed of (circular) optical assembly, frame, lateral component box and outer casing to be ordered separately, if necessary.
- Aluminium alloy optical assembly and frame; sodium-calcium tempered glass, secured to the frame with silicone; 99.96% super-pure aluminium reflectors; the lateral component holder box and top end cap are made of plastic (small body) or aluminium alloy (large body);

- complete with a silicone internal gasket to guarantee watertightness.
- Outer casing for concrete false ceilings made of black-painted pre-galvanized steel sheet complete with end cap and threaded bar.
- Versions with multiwatt ballasts available.
- Adjustable optics.
- Luminaire reduced height.
- Luminaire ready for pass-through wiring.
- All external screws are A2 stainless steel.



Installation of concrete



Installation in false ceiling from 5 to 60 mm







Safety cable

LED

- **LED C.o.B.**
- Colour stability **Mac Adam <3**
- Life 50000 h **L80**
- Color temperature: Neutral white **4000K** Warm white **3000K**

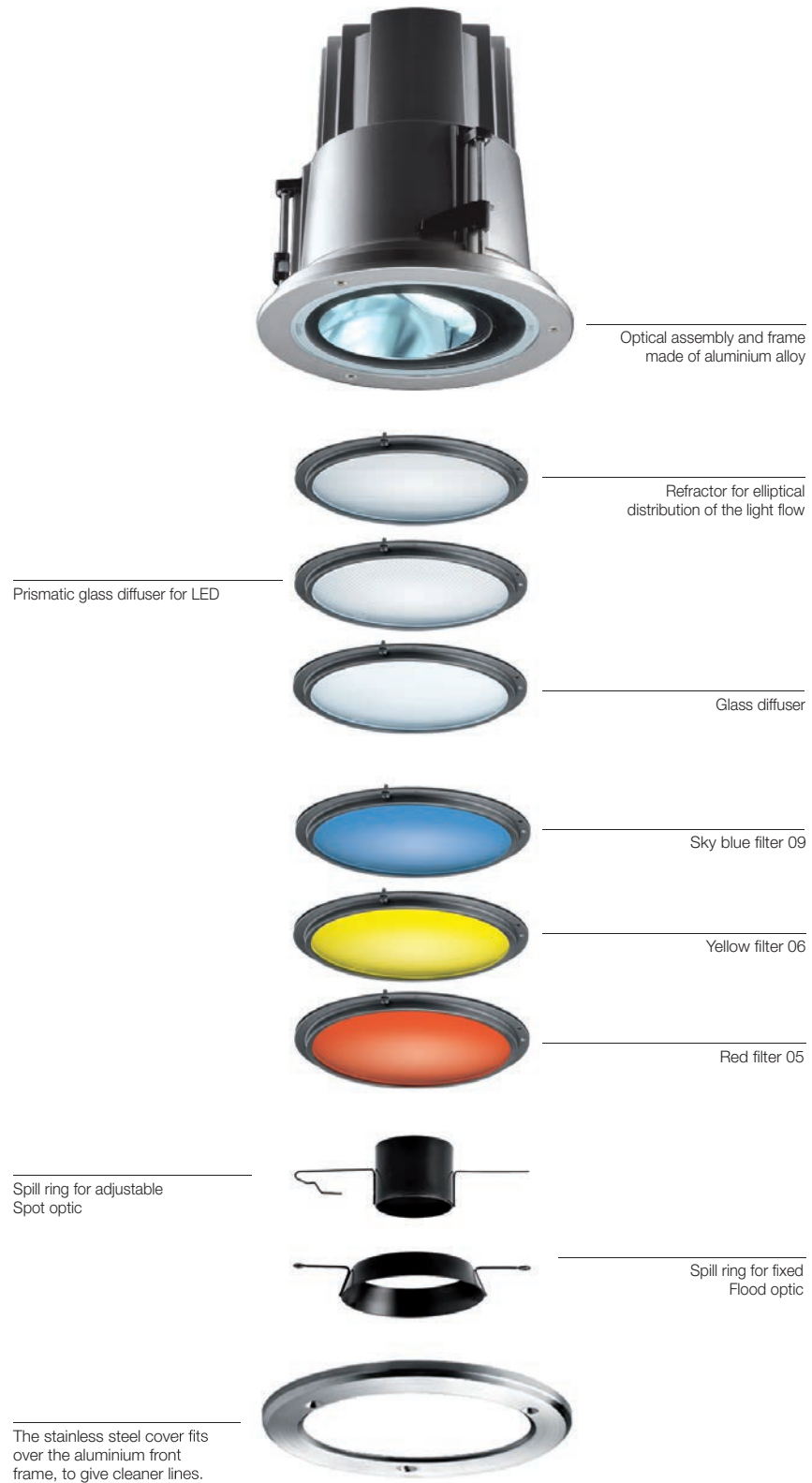
Energy saving

lumen lm	LED	QR CBC 51 		HIT-CE 	
1440	12W	2x35W	83%	-	-
2840	25W	3x50W	83%	35W	29%

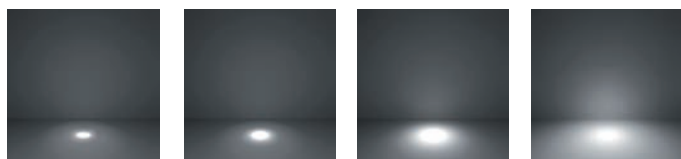
(3000K) LED energy saving compared with conventional lamps

iRound

The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp color features to be changed, to make the most of the objects lit or the space.



Optics and lamps



SS - Superspot $\alpha < 8^\circ$ **S** - Spot α from 9° to 15° **M** - Medium α from 16° to 25° **F** - Flood α from 26° to 39°



WF - Wide Flood α from 40° to 60° **VWF** - Very Wide Flood **WW** - Wall Washer **E** - Elliptical*

* Elliptical optic is obtained by installing the respective accessories.

LED	3,5 - 20W	TC-TEL	26-32W
HIT-CE	20 - 35 - 70W 150W	QR-CBC 51	20W
		HI-PAR 51-CE	20 - 35W

The wide range of optics guarantees extreme versatility, making iRound the ideal product to meet different lighting requirements: the fixed flood optic, adjustable spot optic and wall-washer optic, plus two optics derived from them, a blade-of-light optic and an elliptical optic (with the use of specific accessories) allow to create suitable lighting directions for all settings.



Fixed



Adjustable



Wall Washer


Visual comfort

Cut-off angles with and without spill ring

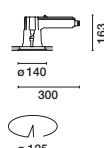



Spill-ring	Cut Off	α
		45°
No spill-ring		35°

The screening angles data relate to luminaires with large body with adjustable Spot optic. For data relating to Flood (F) optics, consult: <http://products.iguzzini.com>

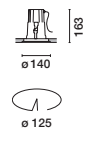



light source	W*	lm	optic	code	colour
Adjustable optic ±15°					
QR CBC 51 (GU5,3)	Electronic				
	35 W max 12 V (Energy Saver)			BE51	15
	50 W max 12 V (Standard)				
HI-PAR51-CE (GX10)					
	20 W			BE49	15
	35 W			BE50	15
Class of Insulation II					

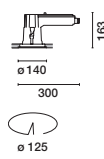
LED



Fixed optic					
Warm white C.o.B.					
12 W	1440	15°		BV27	15
12 W	1440	42°		BV29	15
Complete with power supply and exit cable. Available neutral white versions.					

LED


Fixed optic					
Warm white C.o.B. DALI					
17 W	1950	15°		BV31	15
17 W	1950	42°		BV33	15
Complete with box with power supply and two cable inlets for pass-through wiring. Available neutral white version.					



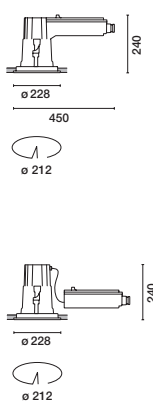




accessories

	code	colour	code	colour
Refractor for elliptical distribution	MW84	24	4492	24 no for Wall Washer
Prismatic glass diffuser	MW85	24 for LED version	X009	24 for LED version
Diffusing filter	MW86	65	4493	65 no for Wall Washer
Stainless steel frame	MW83	13	MW88	13
Spill ring for adjustable Spot optic	---	---	6879	04 for BE56-BE58-BE65
Spill ring for fixed Flood optic	---	---	6880	04 for BE57-BE59-BE66

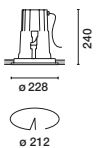



light source	W*	lm	optic	code	colour
Fixed optic					
HIT-CE (G12)	Electronic				
	35 W		50°	BE66	15
	35 W		WW	BE63	15
	70 W		50°	BE57	15
	70 W		WW	BE64	15
TC-TEL (GX24q-3)					
	Multiwatt electronic				
	26/32 W		88°	BE67	15
On demand version DALI code BE61					
Adjustable optic ±20°					
HIT-CE (G12)					
	Electronic				
	35 W		10°	BE65	15
	70 W		10°	BE56	15
HIT-CE (G12)					
	Fixed optic				
	150 W		50°	BE59	15
Adjustable optic ±20°					
	150 W		12°	BE58	15

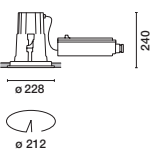
LED



Fixed optic					
Warm white C.o.B.					
25 W	2840	15°		BV37	15
25 W	2840	50°		BV39	15
25 W	2840	WW		BV41	15
Adjustable optic ±20°					
Warm white					
13 W	1550	12°		BV35	15
Complete with power supply and exit cable. Available neutral white versions.					

LED

Fixed optic					
Warm white C.o.B. DALI					
36 W	3840	50°		BV43	15
Complete with box with power supply and two cable inlets for pass-through wiring. Available neutral white version.					



* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

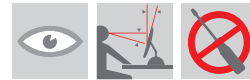
Laser Blade InOut



Features



- Recessed installation in false ceilings with 1 to 25 mm thickness or concrete ceilings with outer case.
- Flush installation with accessory in false ceilings with 12.7 mm or 15 mm thickness.
- Main body with radiant surface made of die-cast aluminium; extruded aluminium frame with silk-screened protection glass.
- Available in version with black frame.
- High-definition optics made of metallised thermoplastic material, integrated in the innovative black anti-glare screen that defines emission with luminance control UGR<19.
- The special configuration of the optical system delivers a precise circular distribution without punctiform effect.
- High visual comfort.
- Installation without tools.



Compact size



Visual comfort
UGR<19

Optics and lamps



S - Spot
 α 12°



F - Flood
 α 34°



WF - Wide Flood
 α 48°

LED

2,1 - 4,2 - 10W





21 - 31W

Laser Blade InOut

LED

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
50000 h **L80**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**
Warm white **2700K**

Energy saving

lumen lm	LED	QR CBC 51 		HIT-CE 	
900	10W	50W	80%	-	-
1800	21W	2x50W	79%	-	-
2700	31W	3x50W	79%	35W	11%

(3000K) LED energy saving compared with conventional lamps

Installations

Frame recessed



Flush to ceiling recessed



Flush installation on plasterboard false ceilings with optional frame.

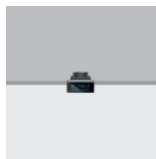




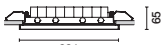







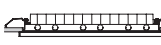
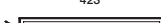

Range
















47
WHITE/BLACK

74
GREY/BLACK

	light source	W*	lm	optic	code colour		light source	W*	lm	optic	code colour	
   	LED	Warm white 3000K				   	LED	Complete with power supply				
		4,1 W	360	34°	BX56 47-74				Warm white 3000K			
		Warm white 2700K							21 W	1800	12°	BX69 47-74
		4,1 W	300	34°	BX57 47-74			21 W	1800	48°	BX70 47-74	
		Class of Insulation III Power supply to be ordered separately Available neutral white versions						Warm white 2700K				
								21 W	1500	12°	BX71 47-74	
								21 W	1500	48°	BX72 47-74	
		Available neutral white and DALI versions						Available neutral white and DALI versions				
   	LED	Complete with power supply				   	LED	Complete with power supply				
		Warm white 3000K							Warm white 3000K			
		10 W	900	12°	BX59 47-74				31 W	2700	12°	BX79 47-74
		10 W	900	48°	BX60 47-74			31 W	2700	48°	BX80 47-74	
		Warm white 2700K						Warm white 2700K				
		10 W	750	12°	BX61 47-74			31 W	2250	12°	BX81 47-74	
		10 W	750	48°	BX62 47-74			31 W	2250	48°	BX82 47-74	
		Available neutral white and DALI versions						Available neutral white and DALI versions				

installation systems and components

	Outer case with adapter for flush installation on concrete ceilings	X111 00 for BX56-BX57	 Electronic power supply DALI 50 W 700mA Max 10 products connected	BZM4 00	
		X112 00 for BX59-BX60-BX61-BX62		 Electronic power supply IP67 15 W 700mA Max 3 products connected	X119 00
		X113 00 for BX69-BX70-BX71-BX72			 Electronic power supply IP67 30 W 700mA Max 7 products connected
		X114 00 for BX79-BX80-BX81-BX82			
	Frame for flush installation on plasterboard false ceilings	X115 00 for BX56-BX57	 Electronic power supply IP67 dim. 140x230x95h	9582 00	
		X116 00 for BX59-BX60-BX61-BX62		 Connector IP68 Suitable for cables 2x2,5 mm ²	BZK6 00
		X117 00 for BX69-BX70-BX71-BX72			 Connector block IP68
		X118 00 for BX79-BX80-BX81-BX82			
	Electronic power supply 17 W 700mA Max 3 products connected	MXF9 00	 Watertight connector kit IP68	9581 04	
				 Suction cup to pull out products installed flush to the ceiling	9583 00





Bollards and Systems for residential areas

Bollards



592 iTeka
LED



596 iWay
LED



596 iWay
LED



596 iWay
LED



596 iWay
LED



600 Pencil
LED



600 Pencil
LED

Systems for residential areas



602 iPoint bollard



602 iPoint
ceiling-mounted



602 iPoint
wall-mounted



605 Zyl bollard
LED



605 Zyl
ceiling-mounted
LED



605 Zyl
wall-mounted
LED



608 Typha
LED



610 Outer
LED



612 Tee bollard
LED



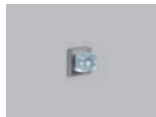
612 Tee
wall-mounted
LED



612 Tee floor
LED



615 Glim Cube
bollard
LED



615 Glim Cube
wall-mounted
LED



615 Glim Cube
wall-mounted
LED



615 Glim Cube
wall-mounted
LED



619 iFace
bollard



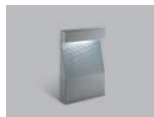
619 iFace
wall/ceiling-mounted



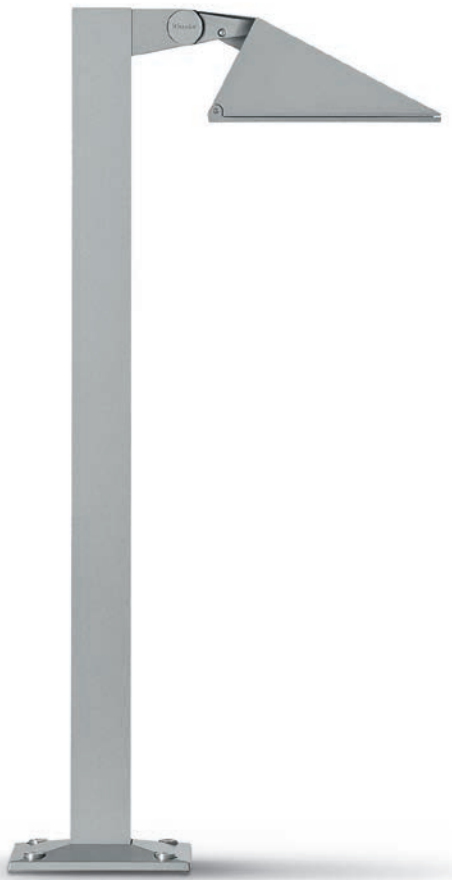
621 Ellipse
bollard
LED



621 Ellipse
wall/ceiling-mounted
LED



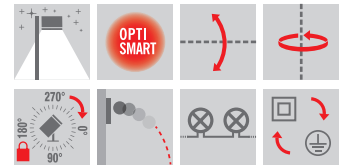
623 Bliz



Features



- Direct light luminaire for use with discharge, fluorescent, halogen lamps and LEDs.
- Available for the following versions: pole (h=1000-2500), wall-mounted, shop windows, and ground/pavement.
- Die-cast aluminium optical assembly and frame; 4 mm thick transparent tempered sodium-calcium closing glass, secured to the frame with silicone; frame fixed to assembly by two AISI 304 stainless steel captive screws and two AISI 303 stainless steel hinged pins; 50 Shore silicone seal between them; super-pure aluminium reflector.
- Pole versions have: support made of extruded aluminium, fastening plate and cover made of die-cast aluminium alloy.
- Wall-mounted versions composed of: die-cast aluminium alloy base and arm for show windows made of extruded aluminium.
- Optical assembly double adjustability with graduated scale and mechanical aiming lock.
- Luminaire ready for pass-through wiring.
- Class II luminaire, set up for class I.
- There is no light dispersion into the upper hemisphere above this luminaire.
- All external screws are in A2 stainless steel.





The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects.



LED

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature: Neutral white **4000K**

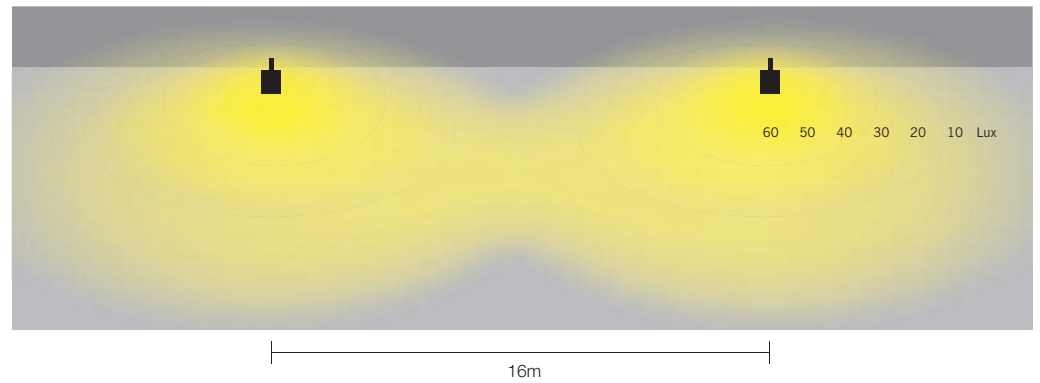
Energy saving

lumen lm	LED	QR CBC 51 	
1550	18W	75W	76%

LED energy saving compared with conventional lamps

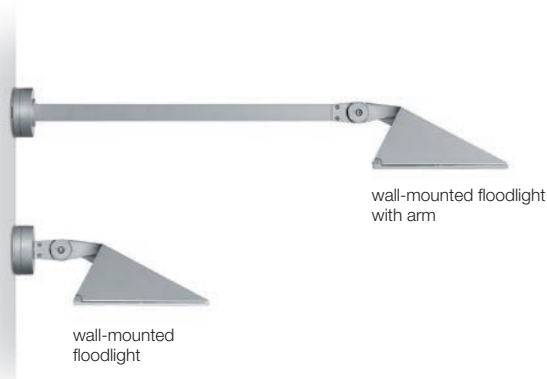
Lighting distribution

The ST1 optic allows significant lighting design performance on h2500 bollards.



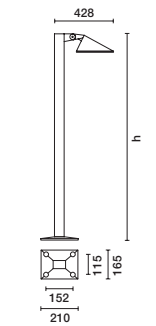
Versions

iTeka is available in the following versions: bollard, floodlight and floodlight with arm, pole-mounted ((h3500/6000) presented on page 379.



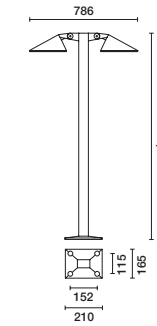
light source	W*	lm	optic	code	colour
LED	Floodlight complete with pole				
Multipower					
Neutral white					
18 W	1640	1000	ST1	BU42	15
18 W	1550	2500	ST1C	BU43	15

Available warm white versions.
Upon request they can be changed to DALI, 0-10 V, bi-energy with pilot cable, flux regulator, CLO (with Streetware Software).

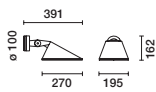


HIT-TC-CE (G8,5)	Electronic				
	35 W	1000	AL	B805	15
	35 W	2500	AL	B817	15
HIT-CE (G12)	Electronic				
	35 W	2500	AT	B814	15

light source	W*	lm	optic	code	colour
Floodlights complete with pole					
HIT-TC-CE (G8,5)	Electronic				
	2x35 W	2500	AL	B822	15
HIT-CE (G12)	Electronic				
	2x35 W	2500	AT	B819	15

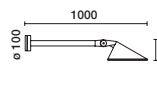


Floodlight with base					
QT-DE 12 ES (R7s)	150 W max		AT	B787	15
TC-TEL (GX24q-1)	Electronic				
	13 W		AT	B790	15



HIT-CE (G12)	Electronic				
	35 W		AT	B789	15
HIT-TC-CE (G8,5)	Electronic				
	35 W		AL	BA04	15

Floodlight with arm					
HIT-CE (G12)	Electronic				
	35 W		AT	B797	15
HIT-TC-CE (G8,5)	Electronic				
	35 W		AL	B798	15



accessories and installation systems

	Diffusing glass to be fitted with accessory-holder frame	code B997	colour 65		Spike for ground application	code B989	colour 00 for B787-B789-B790-BA04
	Accessory-frame	B996	15		Kit for fixing on concrete, solid brick and natural stone	5596	00 for B805-B814-B817 BU42-BU43
	Protection grille Can also be fitted with accessory-holder frame	B993	15		Kit for fixing on concrete, solid brick and natural stone	5595	00 for B787-B789-B790 B797-B798-BA04
	Louvre for AL optic Can also be fitted with accessory-holder frame	B994	04		Support for attaching to pole ø 40÷60 mm Support for installation of one or two floodlights.	1190	15 for B787-B789-B790-BA04
	Louvre for AT optic Can also be fitted with accessory-holder frame	B995	04 for B787-B789-B790 B797-B798-BA04		IP66 box for pass-through cables	B510	00 for B805-BU42
	Fixing plate with anchors for application on concrete plinth	B518	00 for B805-BU42				





Features



- Direct light luminaire for use with metal halide, compact fluorescent lamps and LEDs.
- The fixture is installed in the ground.
- iWay has a body and lamp compartment.
- High visual comfort.
- Extruded aluminium body; low copper content die-cast aluminium alloy base for fixing to the ground; transparent polycarbonate diffuser; sheet aluminium lamp cover guard; super-pure aluminium reflector.
- Aluminium component-holding box, die-cast (ø 170 mm) or extruded (ø 90 mm versions); removable component-holding plate, fixed to the box by captive screws.
- Anchor base has Geomet-treated clamps, which are an extra guarantee against corrosion (to be ordered separately).
- Temperature of contact <75°.
- All screws are A2 stainless steel.



Anti-vandalism diffuser and structure



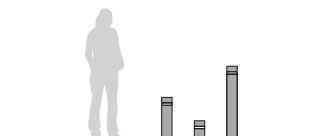
Resistant to uprooting



Temperature <75°



Satin-finished screen (it mitigates the shadow area at the bollard base)



Versions



ø 170
h 250
h 610
h 1000



ø 90
h 610
h 1000



ø 170
h 720
h 1110



ø 90
h 653
h 1043



∅ 170
h 250
h 610
h 1000





∅ 90
h 610
h 1000

LED

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
50000 h **L70**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51 	
260	4,9W	20W	76%
1680	22W	75W	71%

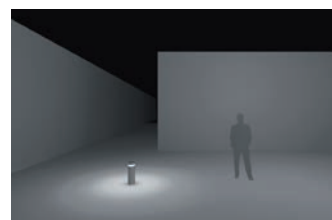
(3000K) LED energy saving compared with conventional lamps

Lighting distribution

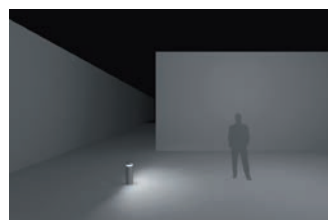
The iWay symmetrical optic on h1000 bollards allows considerable lighting design performance.



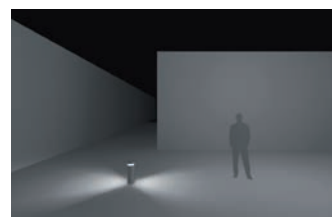
The 360° light flow can be contained or guided with special orientation screens that can restrict the emission as reduced angles or as a thin blade of light.



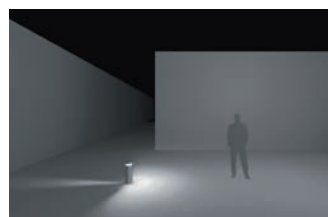
360° emission




Screen for asymmetrical 180° emission



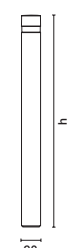

Screen for emission 90°+90°



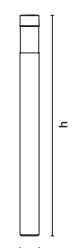

Screen for 180° emission + light blade

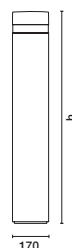

light source	W*	lm	h	code colour
LED	Neutral white			
	4,9W	300	610	BG19 15
Warm white				
	4,9W	260	610	BG20 15
HIT-CE (PGJ5)	Electronic			
	20W		610	B468 15
	20W		1000	B472 15

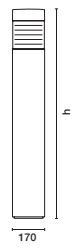

light source	W	h	code colour
TC-DEL (G24q-1)	Electronic		
	13W	653	B479 15
	13W	1043	B480 15
Complete with cylinder decorative			


light source	W*	lm	h	code colour
LED new	Neutral white			
	22W	1940	250	BW74 15
	22W	1940	610	BW76 15
	22W	1940	1000	BW78 15
Warm white				
	22W	1680	250	BW75 15
	22W	1680	610	BW77 15
	22W	1680	1000	BW79 15
Versions available with no upward light emission, complete with cover with visor and transparent screen.				
HIT-CE (G12)	Electronic			
	35W		250	BG25 15
	35W		610	B462 15
	35W		1000	B465 15
	70W		1000	B466 15
BLV "Colorlite TopSpot" can be used for B466				

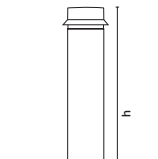
TC-DEL (G24q-3)	Electronic		
	26W (TC-DEL)	720	B473 15
TC-TEL (GX24q-3/4)	32/42W (TC-TEL)		
	26W (TC-DEL)	1110	B475 15
	32/42W (TC-TEL)		
Complete with louvre			

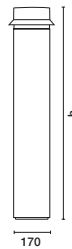

HIT-CE (PGJ5)	Electronic			
	20W		610	B463 15



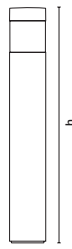
HIT-CE (G12)	Electronic			
	35W		250	BG29 15
	35W		610	B634 15
	35W		1000	B637 15
	70W		1000	B638 15



HIT-CE (PGJ5)	Electronic			
	20W		610	B635 15
No upward emission of light flow. BLV "Colorlite TopSpot" can be used for B638.				

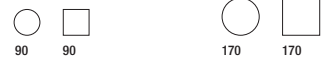
TC-DEL (G24q-3)	Electronic		
	26W (TC-DEL)	720	B476 15
TC-TEL (GX24q-3)	32W (TC-TEL)		
	26W (TC-DEL)	1110	B478 15
	32W (TC-TEL)		
Complete with cylinder decorative			





light source	W*	lm	h	code	colour	
LED	Neutral white					
	4,9W	300	610	BG21	15	
Warm white						
4,9W	260	610	BG22	15		
HIT-CE (PGJ5)	Electronic					
	20W		610	B488	15	
	20W		1000	B492	15	
LED new	Neutral white					
	• 22W	1940	250	BW80	15	
	• 22W	1940	610	BW82	15	
	• 22W	1940	1000	BW84	15	
	Warm white					
	• 22W	1680	250	BW81	15	
	• 22W	1680	610	BW83	15	
	• 22W	1680	1000	BW85	15	
	Versions available with no upward light emission, complete with cover with visor and transparent screen.					
	HIT-CE (G12)	Electronic				
		35W		250	BG28	15
		35W		610	B482	15
35W			1000	B485	15	
70W			1000	B486	15	
BLV "Colorlite TopSpot" can be used for B486.						
HIT-CE (PGJ5)	Electronic					
	20W		610	B483	15	
HIT-CE (G12)	Electronic					
	35W		250	BG30	15	
	35W		610	B642	15	
	35W		1000	B645	15	
	70W		1000	B646	15	
HIT-CE (PGJ5)	Electronic					
	20W		610	B643	15	
No upward emission of light flow. BLV "Colorlite TopSpot" can be used for B646.						

accessories, installation systems and components



	code	colour	code	colour
Satin-finished screen it mitigates the shadow area at the bollard base	---	---	X087	65 for LED versions ø 170
			X088	65 for LED versions ø 170
Screen for asymmetrical 180° emission	B504	04 no for TC-DEL	B503	04 no for LED - TC-DEL - TC-TEL
Screen for 90° + 90° emission	B506	04 no for TC-DEL	B505	04 no for LED - TC-DEL - TC-TEL
Screen for asymmetrical 180° emission + light blade	B508	04 no for TC-DEL	B507	04 no for LED - TC-DEL - TC-TEL
Screen for asymmetrical 180° emission	---	---	X023	04 for LED versions ø 170
Screen for asymmetrical 180° emission	---	---	X024	04 for LED versions ø 170
Fixing plate with anchor bolts	B514	00	B513	00
Box for cables IP55	---	---	B511	00 except versions h 250 mm
Box for cables IP66	B512	00	---	---
Connector block IP68	---	---	BZG8	00 for BW74-BW75-BG25-BW80 BW81-BG28-BG29-BG30
Connector IP68	---	---	BZH0	00 for BW74-BW75-BG25-BW80 BW81-BG28-BG29-BG30

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

Pencil

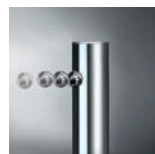
design Jean Michel Wilmotte



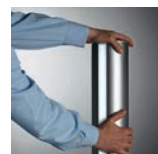
Features


 IP65 IK10

- Direct light luminaire for use with LEDs.
- The fixture is installed in the ground.
- High visual comfort.
- Extruded aluminium body; die-cast aluminium alloy base for fixing to the ground; polycarbonate diffuser; die-cast aluminium outer cover; super-pure aluminium reflector.
- Anchor base has Geomet-treated clamps, which are an extra guarantee against corrosion (to be ordered separately).
- Maximum surface temperature of all accessible parts is 50° C.



Anti-vandalism diffuser and structure



Resistant to uprooting



Temperature <50°





Transversal baffle



LED

Energy saving

- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature: Warm white **3000K**

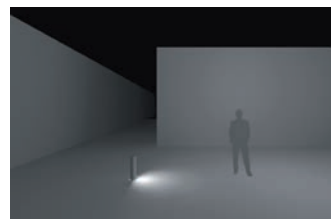
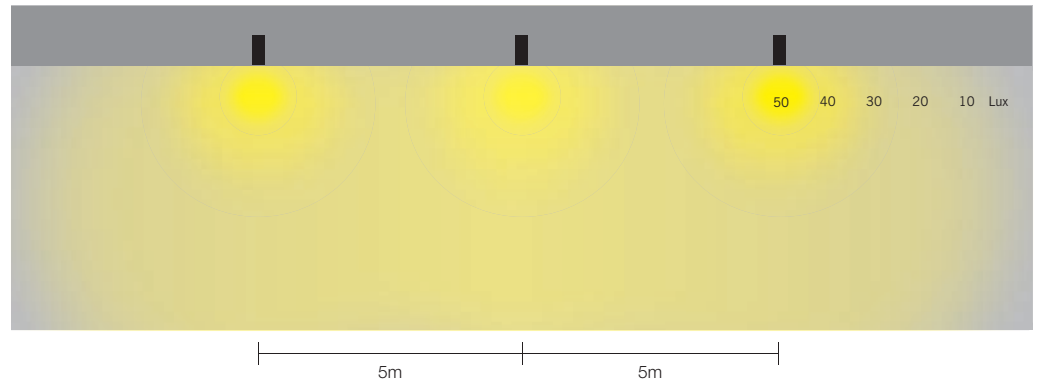
lumen lm	LED	QR CBC 51 	
750	6,4W	35W	82%
1500	13W	2x35W	71%

(3000K) LED energy saving compared with conventional lamps

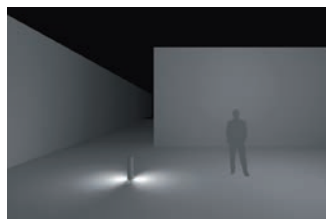
Pencil

Lighting distribution

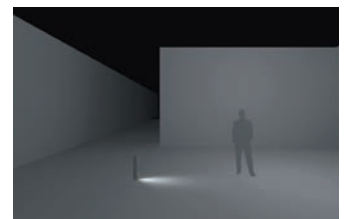
Pencil has a circular or rectangular cross-section, its appearance strongly influenced by the vertical line of the single or double diffuser screens. They may be single and dual-emission with an aperture of around 120°. The transversal louver grille reduces upward light flow. The dual-emission version with h1250 achieves high lighting performances as shown in the diagram.



Single light emission



Double light emission



Emission with transversal baffle

light source	W*	lm	h	ø	code	colour
LED	Single light emission					
	Warm white					
	6,4W	750	330	88	BN34	15
	13W	1500	610	88	BN35	15
	22W	2600	1170	88	BN37	15
	Double light emission					
	Warm white					
	2x13W	3000	610	136	BN36	15
	2x22W	5200	1170	136	BN38	15
Complete with power supply						

light source	W*	lm	h	code	colour
LED	Single light emission				
	Warm white				
	6,4W	750	330	BN39	15
	13W	1500	610	BN40	15
	22W	2600	1170	BN42	15
	Double light emission				
	Warm white				
	2x13W	3000	610	BN41	15
	2x22W	5200	1170	BN94	15
Complete with power supply					

accessories and installation systems

	code	colour	code	colour
	X025	B6	X028	B6
	for versions h=330		for versions h=330	
	X026	B6	X029	B6
	for versions h=610		for versions h=610	
	X027	B6	X030	B6
	for versions h=1170		for versions h=1170	
	X031	04	X034	04
	for versions h=330		for versions h=330	
	X032	04	X035	04
	for versions h=610		for versions h=610	
	X033	04	X036	04
	for versions h=1170		for versions h=1170	

	code	colour	code	colour
	B515	00	B517	00
	for versions ø 88		for versions ø 88	
	B516	00	B512	00
	for versions ø 136		for versions ø 136	
	B512	00	B512	00
	for versions ø 136		for versions ø 136	

Baffles must be installed in combination with the transparent screen

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

iPoint

design Pamio Design



Features

   IP66 IK06

- Diffused light luminaire for use with compact fluorescent lamps.
- Available in pathway, ceiling-mounted and wall-mounted versions.
- Made up of component-holding body and glass diffuser.
- Pathway version: extruded aluminium external cylinder, component-holding compartment and lower base made of aluminium alloy; ground fixing base made of aluminium alloy with low copper content and high corrosion resistance. Ground/floor installation with anchoring plugs or cylindrical support made of galvanized steel complete with threaded inserts and stainless steel screws.
- Wall-mounted version: body and wall base made of aluminium alloy.
- Ceiling-mounted version: body made of aluminium alloy, ceiling-fixing plate made of pre-galvanized steel.
- All of the versions have a sodium glass outer closing screen.
- Floor and ground installation system with plate and bolts and cylindrical installation system with screws.
- All external screws are in A2 stainless steel.



Sodium glass screen

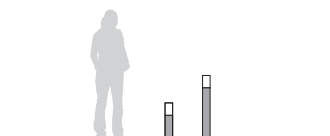
Installations



Ground installation



Floor installation



Versions




low stake



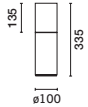
ceiling-mounted




wall-mounted



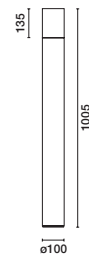
light source	W	code colour
Floor installation		
TC-DEL (G24q-2)	Electronic 18W	BE07 15
TC-TSE (E27)	11W	BE08 15




Technical drawing showing dimensions: height 135, total height 335, diameter $\varnothing 100$.



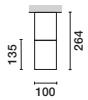
light source	W	code colour
Floor installation		
TC-DEL (G24q-2)	Electronic 18W	BE09 15
TC-TSE (E27)	11W	BE10 15




Technical drawing showing dimensions: height 135, total height 1005, diameter $\varnothing 100$.



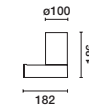
light source	W	code colour
Ceiling-mounted		
TC-DEL (G24q-1)	Electronic 13W	BG06 15
TC-TSE (E27)	11W	BE11 15



Technical drawing showing dimensions: height 135, width 100, depth 264.







light source	W	code colour
Wall-mounted		
TC-DEL (G24q-1)	Electronic 13W	BE12 15



Technical drawing showing dimensions: diameter $\varnothing 100$, height 186, width 182.

installation systems and components

	code colour
 Ground fixing system h=400	BZ97 00 for BE07-BE08-BE09-BE10
 Fixing plate with anchor bolts IP44	B514 00 for BE07-BE08-BE09-BE10
 Watertight connector kit IP68	9581 04 for BE07-BE08-BE09 BE10-BE11-BG06
 Box for cables IP66	B512 00 for BE09-BE10



Zyl

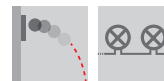
design Massimiliano and Doriana Fuksas



Features



- Diffused light luminaire for use with LEDs.
- Available in pathway, semi-recessed wall-mounted and suspended versions with ceiling-mounted or recessed base.
- Made up of component-holding body and diffuser.
- Cylindrical body and base made of AISI 304 stainless steel, inner component-holding box made of aluminium; transparent polycarbonate outer screen and transparent methacrylate inner decorative cylinder.
- Transparent cable L=2000 mm for ceiling-mounted version.
- In the recessed base the internal structure is made of pre-galvanized sheet steel. Universal installation on false ceilings with 1÷30mm thickness.
- Luminaire ready for pass-through wiring.
- All external screws are in A2 stainless steel.



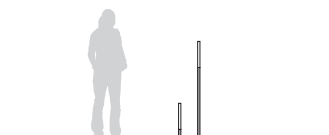
Installations



Ground installation with spike



Floor installation



Versions




low stake



Suspended with recessed base

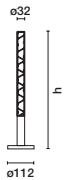



Semi-recessed wall-mounted installation

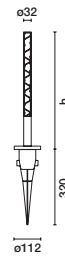

light source	W*	lm	h	code colour
LED				
Floor installation				
Neutral white				
1,7W	110	500		BE02 13
1,7W	110	1350		BE04 13

Power supply to be ordered separately

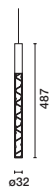

light source	W*	lm	h	code colour
LED				
Ground installation				
Neutral white				
1,7W	110	500		BE03 13
1,7W	110	1350		BE05 13

Complete with power supply
Class of Insulation II

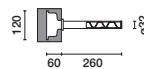
light source	W*	lm	code colour
LED			
Pendant			
Neutral white			
1,7W	110		BG05 13

Complete with transparent cable L=2000.
Installation system and ballast to be ordered separately.












light source	W*	lm	code colour
LED			
Semi-recessed wall-mounted installation			
Neutral white			
1,7W	110		BE06 13

Complete with casing
Power supply to be ordered separately



installation systems and components

	code	colour
 Ground/floor fixing system h=400 To be used with gravel	BZ97	00 for BE02-BE04
 Suspension base IP20 dim. ø 70 mm - h 22 mm	BZF2	13 for BG05
 Recessed suspension base IP20 dim. ø 85 mm - h 5 mm Hole for installation ø 75 mm	BZF3	13 for BG05
 Electronic power supply 6W - IP20 VIN= 100-240Vac / 50-60 Hz VOUT= 12Vdc 500mA dim. 40x42x22h	BZ98	00

	code	colour
 Electronic power supply 20W - IP20 VIN=110-240Vac / 50-60 H Vout= 42Vdc 500mA dim. 38x119x28h	BZA0	00
 Box for power supplies IP67 dim. 140x230x95h	9582	00 for BZ98-BZA0
 Connector block without power supply IP68 dim. 135x82x70h	B915	04 for BZ98
 Watertight connector kit IP68	9581	04



Typha

design Susana Jelen - Eduardo Leira

Features



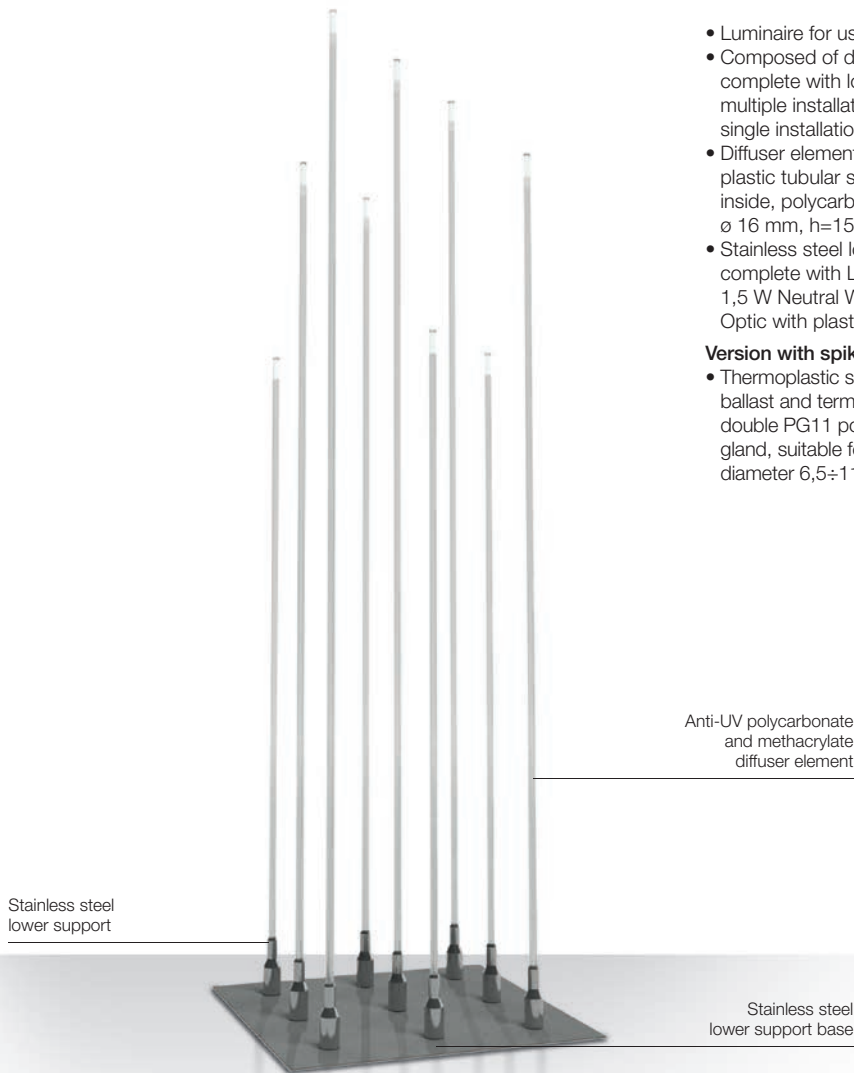
- Luminaire for use with LEDs.
- Composed of diffuser elements complete with lower support for multiple installation with base or single installation with spike.
- Diffuser elements made of double plastic tubular section (methacrylate inside, polycarbonate outside); \varnothing 16 mm, h=1500 mm.
- Stainless steel lower support complete with LED circuit 1,5 W Neutral White. Optic with plastic lens.

Version with spike:

- Thermoplastic spike; electronic ballast and terminal board included; double PG11 polyamide cable gland, suitable for cables with diameter 6,5÷11,5 mm.

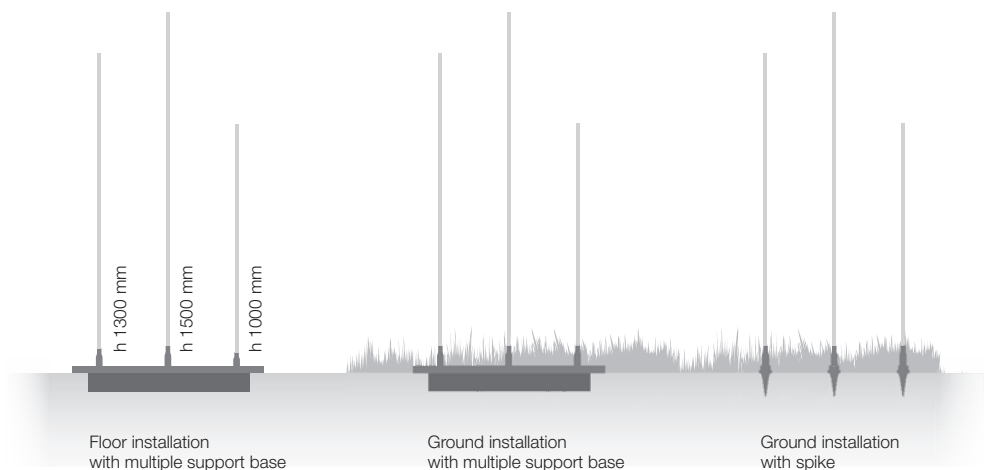
Version with base for multiple installation:

- Optional stainless steel support base with multi-hole upper plate to be ordered separately, complete with junction box for simplified wiring.
- Electronic power supplies and related IP housing boxes to be ordered separately.
- A concrete plinth with drainage channel must be prepared before installing the base.
- All external screws are in A2 stainless steel.



Installations

Typha can be installed with base to support the diffuser elements (max. nine) both in ground and floor. A spike version is available for ground installation of each diffuser element.





light source	W*	lm	h	code colour
LED	Ground installation			
	Neutral white			
	1,7 W	110	1000	ADT0 13
	1,7 W	110	1300	ADT1 13
	1,7 W	110	1500	ADT2 13
Complete with power supply and pass-through cables Class of Insulation II				

light source	W*	lm	h	code colour
LED	Installation on multiple support base			
	Neutral white			
	1,7 W	110	1000	ADT3 13
	1,7 W	110	1300	ADT4 13
	1,7 W	110	1500	ADT5 13
Power supply to be ordered separately. Complete with exiting cable L=3000				

installation systems and components

	code	colour
Multiple support base (max. 9 elements) dim. 500x500x126h	T415	13
Electronic power supply 6W - IP20 Vin= 100-240Vac / 50-60 Hz Vout= 12Vdc 500mA dim. 40x42x22h	BZ98	00
Electronic power supply 20W - IP20 Vin=110-240Vac / 50-60 H Vout= 42Vdc 500mA dim. 38x119x28h	BZA0	00
Box for power supplies IP67 dim. 140x230x95h	9582	00 for BZ98-BZA0

	code	colour
Connector block without power supply IP68 dim. 135x82x70h	B915	04 for BZ98
Connector block IP68	BZG8	00
2-way connector with 2-pin terminal board	BZH0	00
Watertight connector kit IP68	9581	04





Features

   IP55 IK07

- Diffused light luminaire for use with LEDs.
- For wall, floor/low wall, and ground installations.
- Fitting has an extruded aluminium body and moulded and tempered diffusing glass.
- Painted aluminium upper cover.
- Version for ground installation complete with thermoplastic spike.
- H=600 mm version has aluminium alloy base.
- All external screws are in A2 stainless steel.



Prismatic diffusing glass

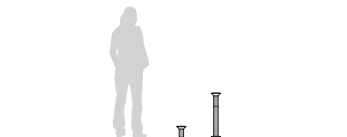
Installation



Ground installation



Floor installation



Versions



Low stake




Semi-recessed wall-mounted installation


Tee

04
BLACK

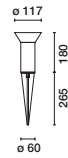

15
GREY




light source	W*	lm	code colour
LED			
Floor installation			
Warm white	3,5W	230	B869 04-15


light source	W*	lm	code colour
LED			
Ground installation			
Warm white	3,5W	230	B875 04-15

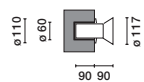
light source	W*	lm	code colour
LED			
Floor installation			
Warm white	3,5W	230	B881 04-15

light source	W*	lm	code colour
LED			
Ground installation			
Warm white	3,5W	230	B887 04-15

light source	W*	lm	code colour
LED			
Semi-recessed wall-mounted installation			
Warm white	3,5W	230	B869+5931 04 15



Fitted with a polystyrene body moulding cover

installation systems

	code	colour
Fastening system h=170	5933	00
	for B881	

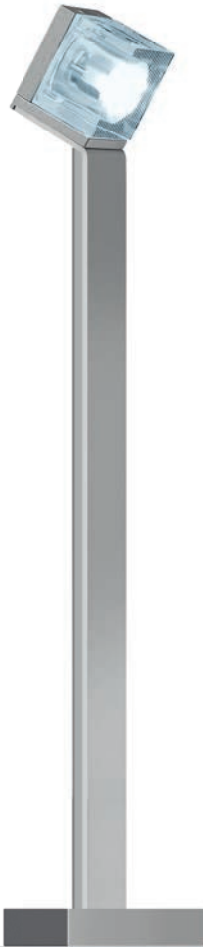


* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



Glim Cube

design Piero Castiglioni



Features



- Luminaire for use with LEDs.
- Pathway lighting models have a body, a support rod, and either a base for ground installation or a spike to bury the fitting into the ground. The fitting is a polymetacrylic cube; body supports are made of Zama 15, support rods are made of AISI 304 stainless steel with a granolithic and passivation treatment; spike (for ground spike versions) made of polypropylene; double PG11 cable gland made of polyamide.
- Wall-mounted versions have a screen and base for support. Polymetacrylic striped screen, die-cast aluminium support base (made of Zama 15 for single versions), stainless steel plate for wall-mounted and M5x10 grub screws; PG11 stainless steel cable gland (for versions with power supply).
- LED versions available with RGB dynamic colour change compatible with light management systems.
- RGB LED versions with DIRECT-DIM: possibility of also adjusting using a simple electric push-button.
- Temperature of contact < 40°C.
- Luminaire reduced dimensions.
- All external screws are in A2 stainless steel.



Compact size

Installations



Ground installation with spike



Floor installation



Versions



Glim Cube

Lighting effect

The carefully designed prismatic diffuser provides a vast range of light distributions, making Glim Cube a complete and highly versatile system.



Elliptical effect - E



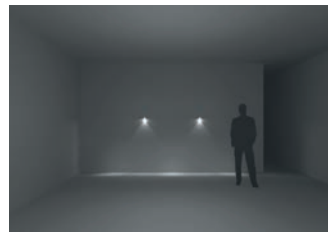
Light Blade Optic effect - L



Light Blade Optic effect - L
Window application



Spot effect - S



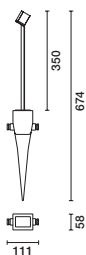
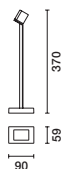
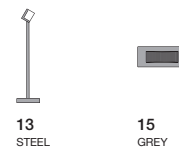
Flood effect - F



Spot/Spot effect - S/S



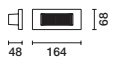
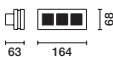
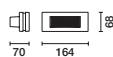
Flood/Flood effect - F/F



light source	W*	lm	optic	code colour
LED	Floor installation			
	Neutral white			
1,2W	90		E	BB20 13
	Warm white			
1,2W	80		E	BB21 13
	Power supply to be ordered separately			
	RGB			
1,5W	70		E	BC33 13
	DALI or DMX-RDM driver group to be ordered separately.			
	IK07			

light source	W*	lm	optic	code colour
LED	Ground installation with spike			
	Neutral white			
1,2W	90		E	BB16 13
	Warm white			
1,2W	80		E	BB17 13
	Complete with power supply			
	Class of Insulation II			
	Neutral white			
1,2W	90		E	BB18 13
	Warm white			
1,2W	80		E	BB19 13
	Power supply to be ordered separately			
	RGB			
1,5W	70		E	BC32 13
	DALI or DMX-RDM driver group to be ordered separately.			
	IK07			

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.



light source	W*	lm	optic	code colour
LED	Neutral white			
3,5W	260		L	BA99 15
	Warm white			
3,5W	230		L	BB01 15
	Complete with power supply			
	Class of Insulation I			
	IK04			

light source	W*	lm	optic	code colour
LED	Neutral white			
3,5W	260		E	BB04 15
	Warm white			
3,5W	230		E	BB05 15
	Complete with power supply			
	Class of Insulation I			

light source	W*	lm	optic	code colour
LED	Neutral white			
3,5W	260		L	BA97 15
	Warm white			
3,5W	230		L	BA98 15
	Power supply to be ordered separately			
	RGB			
4,6W	200		L	BC25 15
	DALI or DMX-RDM driver group to be ordered separately.			
	IK04			

light source	W*	lm	optic	code colour
LED	Neutral white			
3,5W	260		E	BB02 15
	Warm white			
3,5W	230		E	BB03 15
	Power supply to be ordered separately			
	RGB			
4,6W	200		E	BC26 15
	DALI or DMX-RDM driver group to be ordered separately.			

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

	light source	W*	lm	optic	code colour
	LED				
	Neutral white	1,2W	90	E	BB06 15
	Warm white	1,2W	80	E	BB07 15
Power supply to be ordered separately					
	LED				
	Up light o down light				
	Neutral white	1,2W	90	S	BB08 15
	Warm white	1,2W	80	S	BB09 15
	Neutral white	1,2W	90	F	BB10 15
	Warm white	1,2W	80	F	BB11 15
Power supply to be ordered separately					
	LED				
	RGB	1,5W	70	E	BC27 15
DALI or DMX-RDM driver group to be ordered separately					

	light source	W*	lm	optic	code colour
	LED				
	Up/down light				
	Neutral white	2,4W	180	S/S	BB12 15
	Warm white	2,4W	180	F/F	BB14 15
Power supply to be ordered separately					
	LED				
	RGB	3,0W	135	S/S	BC30 15
	Warm white	2,4W	160	S/S	BB13 15
	Neutral white	2,4W	160	F/F	BB15 15
Power supply to be ordered separately					
DALI or DMX-RDM driver group to be ordered separately					

Compatible with light management systems of the iGuzzini range illustrated on page 659. For the system definition, refer to the instructions.

components for monochromatic versions

	code	colour
Electronic power supply 7W - IP20 Vin=100÷240Vac / 50÷60Hz Vout=24Vdc 350mA dim. 42x40x22h	9905	00
Electronic power supply 8,5W - IP20 Vin=220-240Vac / 50-60 Hz Vout=1,8-25Vdc 350mA dim. 40x80x22h	9906	00
Electronic power supply 17W - IP20 Vin=110÷240Vac / 50÷60Hz Vout=48Vdc 350mA dim. 38x122x28h	9907	00
Box for power supplies IP67 dim. 140x230x95h	9582	00 for 9905-9906-9907
Connector block without power supply IP68 dim. 135x82x70h	B915	04
Watertight connector kit IP68	9581	04

components for RGB versions

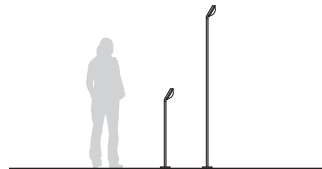
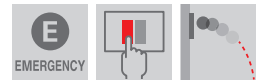
	code	colour
Driver Group - Class II 220-240Vac Composed of 350mA interface and 30 W 48Vdc electronic power supply. Occupies 3 DALI addresses.	9856	00 for connection of max: - 12 luminaires BC27 BC28-BC29-BC32-BC33 - 6 luminaires BC30-BC31 - 4 luminaires BC25-BC36
Driver Group - Class II 220-240Vac Composed of DMX-RDM interface and 30W 48Vdc electronic power supply.	X001	00 for connection of max: - 12 luminaires BC27 BC28-BC29-BC32-BC33 - 6 luminaires BC30-BC31 - 4 luminaires BC25-BC36
Box for power supplies IP67 dim. 280x190x130h	BZ33	00 for 9856



Features



- Diffused light luminaire for use with incandescent and fluorescent lamps.
- Wall-mounted, ceiling-mounted and pole installation.
- Polycarbonate assembly structure; polycarbonate outer frame; moulded polycarbonate diffuser screen.
- Available with electronic control gear, emergency with inverter and inductive with separate switches.
- Extruded aluminium pole.
- All screws are A2 stainless steel.



Ceiling mounted versions



Halo



White frame



Grey frame

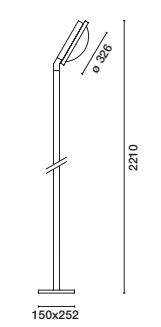
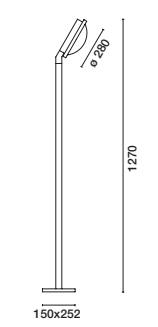




01
WHITE

15
GREY

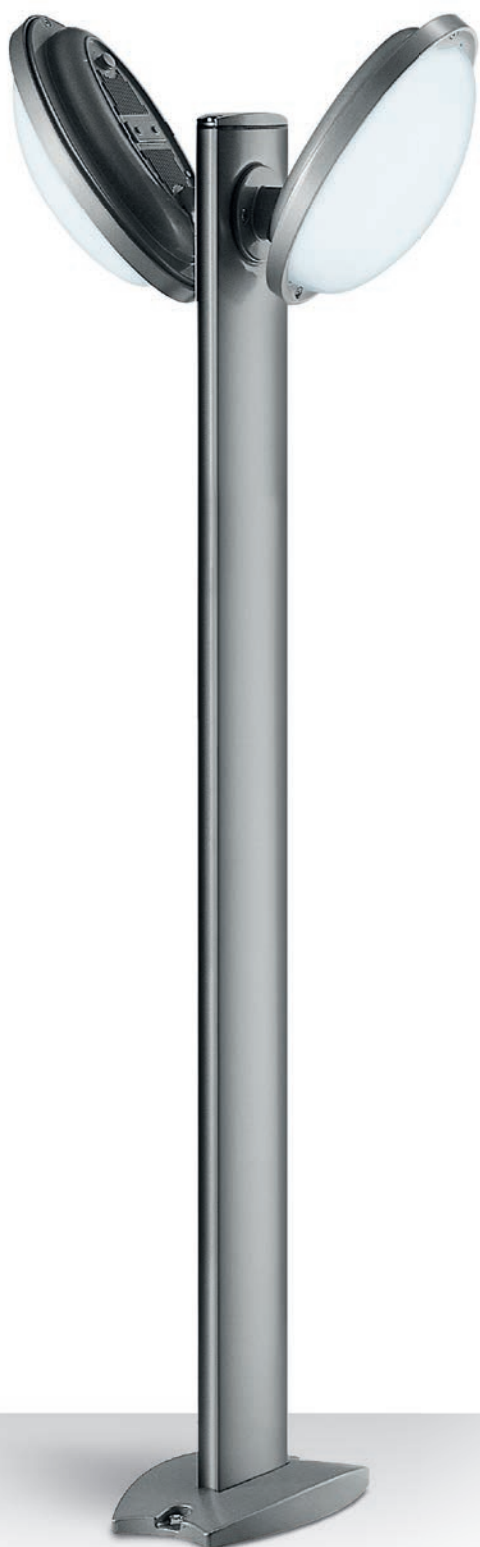
light source	W	ø	code	colour
Pole complete with luminaire				
TC-TSE (E27)	20 W (TC-TSE)		B850	15
	60 W max (HALO ES)			
HALO ES (E27)				
TC-TEL (GX24q-3)	Electronic		B852	15
	26 W			
Version with inductive control gear code B851 (26 W TC-D) available on request.				



light source	W	ø	code	colour
Luminaire				
TC-TSE (E27)	20 W (TC-TSE)	280	B828	01-15
	60 W max (HALO ES)			
HALO ES (E27)	30 W (TC-TSE)	326	B834	01-15
	75 W max (HALO ES)			
	2x23 W (TC-TSE)	397	B840	01-15
	2x60 W max (HALO ES)			
TC-TEL (GX24q-3/4)	Electronic			
	26 W	280	B830	01-15
	26/32 W	326	B836	01-15
	42 W	397	B841	01-15
	2x26 W	397	B843	01-15
Emergency with inverter				
	26 W	397	B844	01-15
TC-D (G24d-1)	Inductive with separate switches			
	2x26 W	397	B842	01-15
Class of Insulation I				
Version ø 280 with inductive control gear code B829 (26 W TC-D) available on request.				
Luminaire with halo				
TC-TSE (E27)	20 W (TC-TSE)	280	B831	01-15
	60 W max (HALO ES)			
HALO ES (E27)	30 W (TC-TSE)	326	B837	01-15
	75 W max (HALO ES)			
	2x23 W (TC-TSE)	397	B845	01-15
	2x60 W max (HALO ES)			
TC-TEL (GX24q-3/4)	Electronic			
	26 W	280	B833	01-15
	26/32 W	326	B839	01-15
	42 W	397	B846	01-15
	2x26 W	397	B848	01-15
Emergency with inverter				
	26 W	397	B849	01-15
TC-D (G24d-1)	Inductive with separate switches			
	2x26 W	397	B847	01-15
Class of Insulation I				
Version ø 280 with inductive control gear code B832 (26 W TC-D) available on request.				

accessories

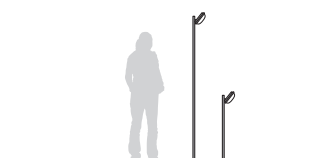
	code	colour
251x150	0455	00
Fixing plate with anchoring bolts	for B850-B852 B853-B855	
L=160 ø=16		



Features



- Diffused light luminaire for use with halogen, fluorescent lamps and LEDs.
- Pole, wall/ceiling installation.
- External die-cast aluminium frame; pressure-moulded glass diffuser (model with polycarbonate screen available upon request; cables for fluorescent lamps). Aluminium reflector.
- Extruded aluminium pole.
- All screws are A2 stainless steel.
- IK08 (IP55 LED versions).



Uniform illumination

The diffuser screen guarantees uniform lighting and excellent visual comfort.



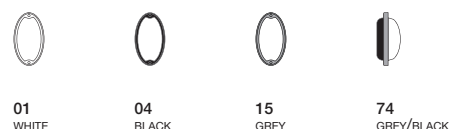
Versions



Ceiling-mounted luminaire



Wall-mounted luminaire



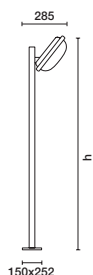
light source	W*	lm	h	code colour
LED	Pole complete with luminaire			
	Neutral white			
	8,7W	800	1100	BH54 04-15
	Warm white			
	8,7W	750	1100	BH55 04-15

HALO ES (E27)	60 W max (HALO ES)	1100	7576 04-15	
	23 W (TC-TSE)			

TC-TSE (E27)				
------------------------	--	--	--	--

TC-T (GX24d-3)	26W	1100	7578 04-15	

Class of insulation I
On request, fixtures supplied with polycarbonate screen.



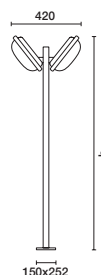
light source	W*	lm	h	code colour
LED	Pole complete with two luminaires			
	Neutral white			
	2x8,7W	800	1100	BH56 04-15
	Warm white			
	2x8,7W	750	1100	BH57 04-15

HALO ES (E27)	2x60 W max (HALO ES)	1100	7582 04-15	
	2x23 W (TC-TSE)			

TC-TSE (E27)				
------------------------	--	--	--	--

TC-T (GX24d-3)	2x26W	1100	7584 04-15	

Class of insulation I
On request, fixtures supplied with polycarbonate screen.



light source	W*	lm	size	code colour
LED	Ceiling-mounted luminaire			
	Neutral white			
	4,3W	400	150x225	7033 01-04-74
	8,7W	800	150x275	7038 01-04-74
	Warm white			
	4,3W	380	150x225	7036 01-04-74
	8,7W	750	150x275	7039 01-04-74

HALO ES (E27)	60 W max (HALO ES)	150x225	7113 01-04-74	
	11 W max (TC-DSE)			
	15 W max (TC-TSE)			

TC-DSE (E27)	60 W max (HALO ES)	150x275	7116 01-04-74	
	23 W (TC-TSE)			

TC-TSE (E27)				
------------------------	--	--	--	--

TC-T (GX24d-3)	26W	150x275	7119 01-04-74	

Class of insulation I
On request, fixtures supplied with polycarbonate screen.



light source	W*	lm	code colour	
LED	Wall-mounted luminaire			
	Neutral white			
	8,7W	800	BH52 04-15	162,70
	Warm white			
	8,7W	750	BH53 04-15	162,70

HALO ES (E27)	60 W max (HALO ES)		7588 04-15	69,20
	23 W (TC-TSE)			

TC-TSE (E27)				
------------------------	--	--	--	--

TC-T (GX24d-3)	26W		7590 04-15	90,80

Class of insulation I
On request, fixtures supplied with polycarbonate screen.



accessories

	code	colour
251x150 L=160 o 16	0455	00 for 7576-7578-7582-7584 BH54-BH55-BH56-BH57

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.

Bliz

design Yamada



Features



- Pathway luminaire for use with fluorescent lamps.
- The fixture is installed into the ground.
- Aluminium structure; sanded glass diffusing screen; anchor plate for insertion into the concrete foundation.
- All screws are A2 stainless steel.



light source W

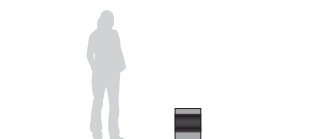
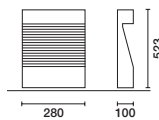
TC-D 26W

(G24d-3)



code colour

7288 04-15





Wall and ceiling-mounted luminaires

Specific lighting effect luminaires



628 Trick
Radial
LED



630 Trick
Light Blade
LED



632 Trick
Washer
LED



634 Kriss



638 iPro micro/mini
down light
LED



638 iPro micro
up/down light
LED

Wall and ceiling-mounted luminaires



638 iPro micro
LED



638 iPro mini
LED



640 iPro small
LED



640 iPro medium
LED



640 iPro large
LED



646 iRoll 65 micro
LED



646 iRoll 65 mini
LED



649 iRoll 65 small
LED



649 iRoll 65 large
LED



654 Full Square



655 Full



656 Comfort



656 Comfort

The codes, technical and lighting design features of these wall and ceiling-mounted luminaires are presented in the chapter on "Bollards and Systems for residential areas".



602 iPoint



619 iFace



621 Ellipse
LED



605 Zyl
LED



612 Tee
LED



602 iPoint



615 Glim Cube
LED



592 iTeka
LED



298 iSign



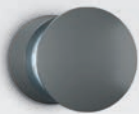
Trick
design Dean Skira

WORLD INTERIORS NEWS.COM **LUX**

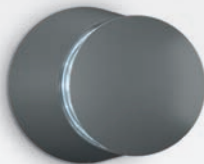
Radial Effect



ø45
recessed



ø110
wall/ceiling-mounted



ø160
wall/ceiling-mounted

Light Blade Effect



360°



L/L



180°



ø90
wall/ceiling-mounted

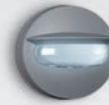


ø90
wall/ceiling-mounted

Washer Effect



ø45
recessed

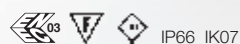


ø90
wall/ceiling-mounted

Trick radial effect



Features



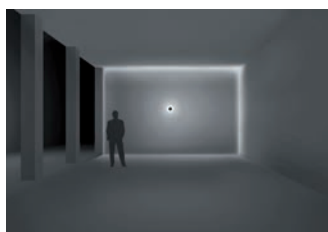
- Luminaire for use with LEDs warm white color temperature.
- Recessed (ø 45 mm) and wall-mounted (ø 90 - ø 160 mm) versions.
- Wall-mounted versions have a screen and a base for support. PMMA screen, die-cast aluminium supporting base, stainless steel plate for fixing to wall, supplied with L=400 mm cable (except versions with power supply).
- Versions with and without built-in power supply.
- Recessed versions have a screen and die-cast aluminium body and hot galvanized steel springs, supplied with L=400 mm cable.
- Compatible with lighting management systems.
- Temperature of contact <math>< 50^{\circ}</math>.
- Luminaire reduced dimensions.
- All external screws are in A2 stainless steel.



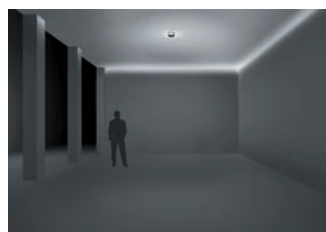
Compact size

Lighting effects

The 360° Radial optic emphasizes spaces with highly concentrated lines of light.



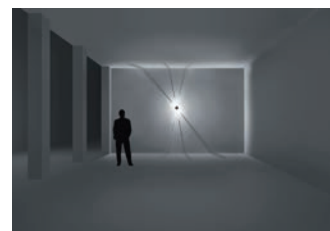
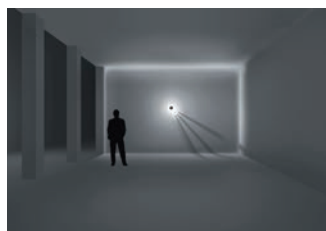
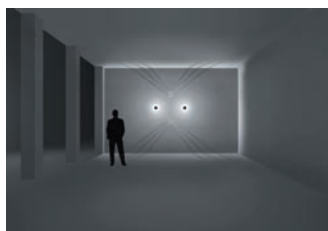
360° effect with wall application



360° effect with ceiling application

Shadow lines

To create and use shadows, there are cylindrical accessories which can be fitted on the surface lit by surface-skimming lighting.

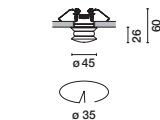


Trick radial effect

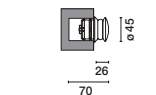


360° effect

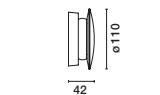
LED **Recessed installation with springs**
Warm white
4 W 460 **BU07** 01-15
10
Power supply 250 mA to be ordered separately.



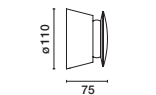
LED **Push-in recessed installation**
Warm white
4 W 460 **BU08** 01-15
10
Power supply 250 mA to be ordered separately.



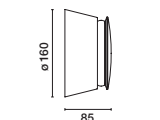
LED **Surface-mounted**
Warm white
5 W 630 **BU10** 01-15
10
Power supply 350 mA to be ordered separately.



LED **Surface-mounted**
Warm white
5 W 620 **BU17** 01-E4-E5
Complete with power supply
Class of Insulation II



LED **Surface-mounted**
Warm white
12 W 1270 **BU23** 01-E4-E5
Complete with power supply
Class of Insulation II



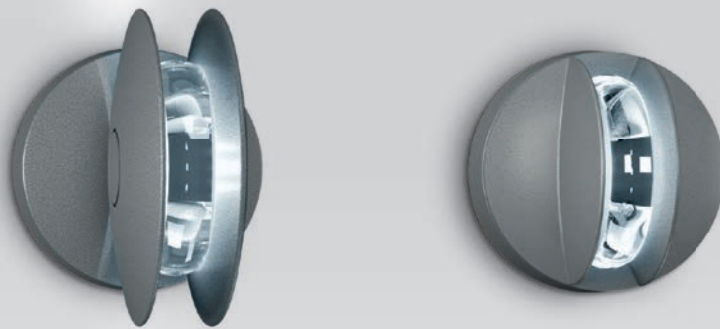
The luminaires without power supply are compatible with the Master Pro DMX and Master Pro Evo lighting management systems shown on page 659.

accessories, installation systems and components

	code	colour		code	colour
Trick bits	X021	13 ø 9 mm - h 25 mm		9905	00 for BU10
	X022	13 ø 13 mm - h 25 mm		X090	00 for BU07-BU08-BU10
Casing for concrete walls	BZ78	04 for BU07-BU08		9907	00 for BU10
Cylindrical casing for plasterboard or similar walls	X000	00 for BU08		9582	00 dim. 140x230x95h
Electronic power supply 6W - IP20 $V_{IN}=100\div 240V_{AC} / 50\div 60Hz$ $V_{OUT}=24V_{DC} 250mA$ dim. 42x40x22h	X019	00 for BU07-BU08		BZ33	00 dim. 280x190x130h
Electronic power supply 7-19W - IP20 $V_{IN}=220\div 240V_{AC} / 50\div 60Hz$ $V_{OUT}=27\div 54V_{DC} 250/300/350mA$ dim. 67x103x29,5h The current to be selected for the LED circuit is shown on the label provided on the product power cable.	X020	00 for BU07-BU08-BU10			

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

Trick Light Blade effect



Features

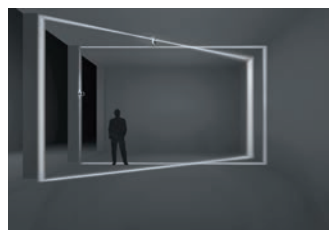


- Luminaire for use with LEDs warm white color temperature.
- Wall-mounted version (ø 90 mm).
- Consists of screen and supporting base. PMMA screen, die-cast aluminium supporting base, stainless steel plate for fixing to wall, supplied with L=400 mm cable (except versions with power supply).
- Versions with and without built-in power supply.
- Available in 360° Blade 180° Blade and Blade-Blade optics.
- Compatible with lighting management systems.
- Temperature of contact <math>< 50^{\circ}</math>.
- Luminaire reduced dimensions.
- All external screws are in A2 stainless steel.

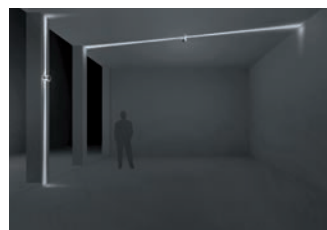


Lighting effects

Blade 360° and Blade-Blade optics (versions BU27 and BU28) and 180° Blade (versions BU16 and BU22) provide new ways of leading the eye through spaces.



360° effect



L/L effect

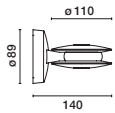


180° effect

360° Blade Effect



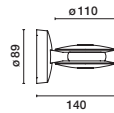
light source	W*	lm	code colour
LED			
Surface-mounted			
Warm white			
5 W	606		BU27 01-15
Power supply 350 mA to be ordered separately.			



Light Blade Effect



light source	W*	lm	code colour
LED			
Surface-mounted			
Warm white			
5 W	606		BU28 01-15
Power supply 350 mA to be ordered separately.			



The luminaires without power supply are compatible with the Master Pro DMX and Master Pro Evo lighting management systems shown on page 659.

180° Blade Effect



light source	W*	lm	code colour
LED			
Surface-mounted			
Warm white			
3 W	320		BU16 01-15
Power supply 350 mA to be ordered separately.			



light source	W*	lm	code colour
LED			
Surface-mounted			
Warm white			
3 W	320		BU22 01-15
Complete with power supply Class of Insulation II			



The luminaires without power supply are compatible with the Master Pro DMX and Master Pro Evo lighting management systems shown on page 659.

components

	code	colour
Electronic power supply 7W - IP20 V _{IN} =100÷240Vac / 50÷60Hz V _{OUT} =24Vdc 350mA dim. 42x40x22h	9905	00 for BU16-BU27-BU28
Electronic power supply 7-19W - IP20 V _{IN} =220÷240Vac / 50÷60Hz V _{OUT} =27÷54Vdc 250/300/350mA dim. 67x103x29,5h The current to be selected for the LED circuit is shown on the label provided on the product power cable.	X020	00 for BU16-BU27-BU28
Electronic power supply 17W - IP20 V _{IN} =110÷240Vac / 50÷60Hz V _{OUT} =48Vdc 350mA dim. 38x122x28h	9907	00 for BU16-BU27-BU28

	code	colour
Dimmable electronic power supply DALI - 50W - IP20 V _{IN} =100÷240Vac / 50÷60Hz V _{OUT} =24Vdc 350mA dim. 42x40x22h	X090	00 for BU16-BU27-BU28
Box for power supply IP67 dim. 140x230x95h	9582	00
Box for power supply IP67 dim. 280x190x130h	BZ33	00

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.

Trick Washer effect



Features



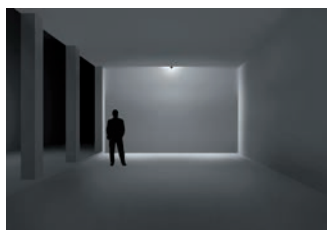
- Luminaire for use with LEDs warm white color temperature.
- Recessed (ø 45 mm) and wall-mounted (ø 90 mm) versions.
- Wall-mounted versions have a screen and a base for support. PMMA screen, die-cast aluminium supporting base, stainless steel plate for fixing to wall, supplied with L=400 mm cable (except versions with power supply).
- Versions with and without built-in power supply.
- Recessed versions have a screen and die-cast aluminium body and stainless steel springs. Wall-washer optic.
- Compatible with lighting management systems.
- Temperature of contact <math>< 50^{\circ}</math>.
- Luminaire reduced dimensions.
- All external screws are in A2 stainless steel.



Compact size

Lighting effect

The Washer optic gives a wall washer effect using a miniaturized luminaire camouflaged in the area where it is installed.





01
WHITE

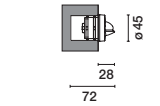


15
GRAY

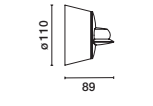


Washer effect

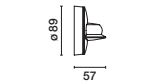
light source	W*	lm	code colour
LED			
Push-in recessed installation			
	Warm white		
2W	240		BU09 01-15
Power supply 250 mA to be ordered separately.			



light source	W*	lm	code colour
LED			
Surface-mounted			
	Warm white		
3W	320		BU21 01-15
Complete with power supply Class of Insulation II			



light source	W*	lm	code colour
LED			
Surface-mounted			
	Warm white		
3W	320		BU14 01-15
Power supply 350 mA to be ordered separately.			



The luminaires without power supply are compatible with the Master Pro DMX and Master Pro Evo lighting management systems shown on page 659.

accessories, installation systems and components

	code	colour		code	colour
Casing for concrete walls	BZZ8	04	Electronic power supply 7W - IP20	9905	00
	for BU09			for BU14	
Cylindrical casing for plasterboard or similar walls	X000	00	Dimmable electronic power supply DALI - 50W - IP20	X090	00
	for BU09			for BU09-BU14	
Electronic power supply 6W - IP20	X019	00	Electronic power supply 17W - IP20	9907	00
$V_N=100\div 240V_{ac} / 50\div 60Hz$ $V_{out}=24V_{dc} 250mA$ dim. 42x40x22h	for BU09		$V_N=100\div 240V_{ac} / 50\div 60Hz$ $V_{out}=24V_{dc} 350mA$ dim. 42x40x22h	for BU14	
Electronic power supply 7-19W - IP20	X020	00	Box for power supply IP67	9582	00
$V_N=220\div 240V_{ac} / 50\div 60Hz$ $V_{out}=27\div 54V_{dc} 250/300/350mA$ dim. 67x103x29,5h	for BU09		dim. 140x230x95h		
The current to be selected for the LED circuit is shown on the label provided on the product power cable.			Box for power supply IP67	BZ33	00
			dim. 280x190x130h		

* The current W value may be reduced with the progress of technology. For updated data please refer to our on-line catalogue.



Features

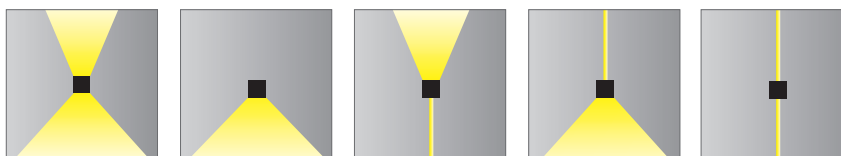


- Luminaire for lighting effects for use with metal halide lamps.
- Wall-mounted installation.
- Extruded aluminium optical assembly; sodium-calcium tempered sealing glass, 5 mm thick; tempered sodiumcalcium glass lens, 12,5 mm thick; steel retention cable;
- black rubber silicone gasket; curved reflector made of black anodized aluminium; black PG9 cable clamp.
- Aluminium posterior control gear cover, with a textured paint surface finish; power supply with a nonexplosive power factor correction capacitor, ballast and starter.
- All screws are A2 stainless steel.



Lighting effect

Kriss has various light distributions: light wedge, spot effect and flood effect with the possibility of adjusting the beam of light.

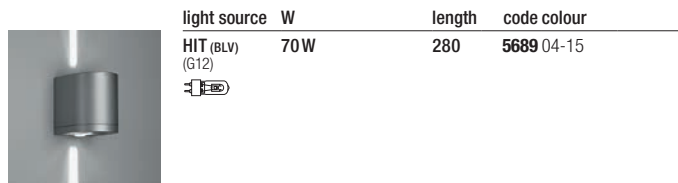





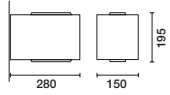
04
BLACK



15
GREY




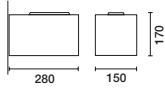
light source W length code colour
HIT (BLV) 70 W 280 5689 04-15




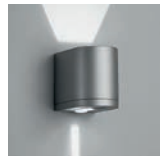
195



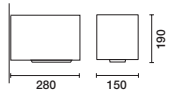
light source W length code colour
HIT (BLV) 70 W 280 5686 04-15




170



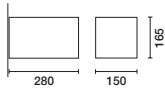
light source W length code colour
HIT (BLV) 70 W 280 5690 04-15

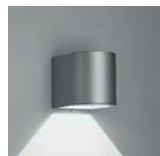
190



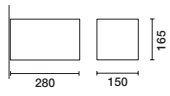
light source W length code colour
HIT (BLV) 70 W 280 5687 04-15

165



light source W length code colour
HIT (BLV) 70 W 280 5688 04-15

165

micro \varnothing 51



ceiling-mounted



wall-mounted
down light



wall-mounted
down light
L



wall-mounted
up / down light
L/F
VWF / VWF
L/L

mini \varnothing 81



ceiling-mounted



wall-mounted
down light



wall-mounted
down light
L

small \varnothing 132



ceiling-mounted



wall-mounted
down light

medium \varnothing 155



ceiling-mounted

large \varnothing 192



ceiling-mounted



wall-mounted
down light



wall-mounted
down light



Features

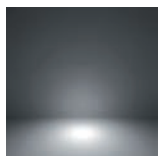


- Luminaire for use with LEDs.
- Wall and ceiling-mounted installation.
- Optical assembly, upper cap for ceiling-mounted installation and lateral base for wall-mounted installation made of die-cast aluminium; transparent tempered sodium-calcium sealing glass, 4 mm thick, siliconed to optical assembly.
- All products are provided with lenses or high reflection flux enhancers in thermoplastic material.
- Mini body versions provided with electronic power supply (Vin 100÷240Vsc 50/60Hz); micro body with electronic power supply to be ordered separately (500/700mA, versions CLIII) except for wall-mounted up/down light.
- Luminaire ready for pass-through wiring.
- All external screws are in A2 stainless steel.

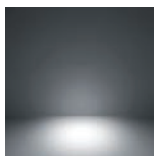


Compact size

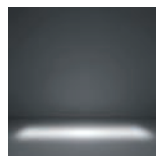
Micro optics and lamps



F - Flood
 α from 26° to 39°



WF - Wide Flood
 α from 40° to 60°

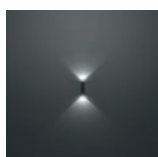


L - Light Blade

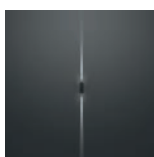
LED

1,5 - 3 - 4,5W

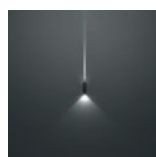
4,7W



WF - Wide-Flood /
WF - Wide-Flood



L - Light Blade /
L - Light Blade



L - Light Blade /
WF - Wide-Flood

Versions

Micro and mini body wall-/ceiling mounted luminaires are available in a floodlight version. The codes, technical and lighting design features are on page 510.








01
WHITE





15
GREY





light source	W*	lm	optic	code colour
LED				
Ceiling-mounted				
Neutral white				
4,7W	390	26°	BK06	01-15
Warm white				
4,7W	360	26°	BK07	01-15
Power supply to be ordered separately to 500mA				



light source	W*	lm	optic	code colour
LED				
Ceiling-mounted				
Neutral white				
4,7W	400	34°	BK33	01-15
Warm white				
4,7W	380	34°	BK34	01-15
Complete with power supply Class of Insulation II				

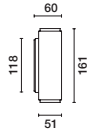
light source	W*	lm	optic	code colour
LED				
Wall-mounted - Up light or Down light				
Neutral white				
4,5W	420	L	BK02	01-15
2,2W	190	84°	*BK04	01-15
Warm white				
4,5W	390	L	BK03	01-15
2,2W	180	84°	*BK05	01-15
Power supply to be ordered separately to 500mA * Power supply codes max 700mA (for the a 500mA data refer to the on-line catalogue)				

light source	W*	lm	optic	code colour
LED				
Wall-mounted - Up light or Down light				
Neutral white				
4,5W	430	L	BK29	01-15
4,7W	400	34°	BK31	01-15
4,7W	400	90°	BU38	01-15
Warm white				
4,5W	410	L	BK30	01-15
4,7W	380	34°	BK32	01-15
4,7W	380	90°	BU39	01-15
Complete with power supply Class of Insulation II				

light source	W*	lm	optic	code colour
LED				
Wall-mounted - Up/down light				
Neutral white				
3W	290 up	L	BK08	01-15
3W	290 down	L		
1,5W	140 up	84°	BK10	01-15
1,5W	140 down	84°		
3W	290 up	L	BK12	01-15
1,5W	140 down	84°		
Warm white				
3W	270 up	L	BK09	01-15
3W	270 down	L		
1,5W	130 up	84°	BK11	01-15
1,5W	130 down	84°		
3W	270 up	L	BK13	01-15
1,5W	130 down	84°		
Complete with power supply and exit cable Class of Insulation II				



components	51	81

	code	colour	code	colour
Electronic power supply 6W - IP20 Vin=100-240Vac / 50-60 Hz Vout=12Vdc 500mA dim. 40x42x22h	BZ98	00	---	---
Electronic power supply 20W - IP20 W=110-240Vac / 50-60 Hz Vout=42Vdc 500mA dim. 38x119x28h	BZA0	00	---	---
Electronic power supply 17W - IP20 Vin=220-240Vac / 50-60 Hz Vout=2-25Vdc 700mA dim. 37x128x28h	MXF9	00 for BK04-BK05	---	---

components	51	81

	code	colour	code	colour
Box for electronic power supply IP67 dim. 140x230x95h	9582	00	---	---
Connector block with fast-coupling terminals - IP66 Suitable for cables 2x4 mm²	BZK7	15	---	---
Watertight connector kit IP68	9581	04	9581	04
Connector IP68 Suitable for cables 2x2,5 mm²	BZK6	00	---	---

* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



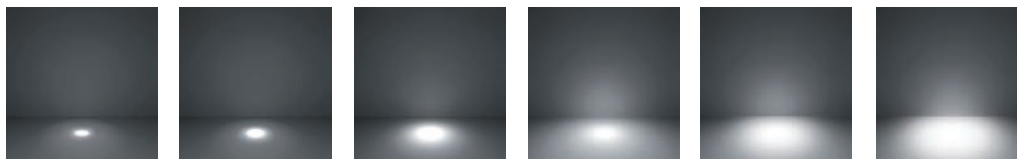
Features



- Luminaire for use with metal halide, sodium vapour, halogen lamps and LEDs.
- Ceiling-mounted installation.
- Composed of optical assembly and component-holder with base for ceiling-mounted installation.
- Made of die-cast aluminium coated with acrylic liquid paint with high resistance to weather agents and UV radiation; hard sodium-calcium safety glass, 5 mm thickness; frame joined to optical assembly by means of two AISI 304 stainless steel M5 captive screws and steel safety cable.
- Internal silicone watertight gaskets.
- Luminaire ready for pass-through wiring.
- Class II luminaire, set up for class I.
- All external screws are in A2 stainless steel.



Optics and lamps



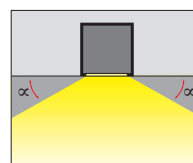
SS - Superspot $\alpha < 8^\circ$ **S** - Spot α from 9° to 15° **M** - Medium α from 16° to 25° **F** - Flood α from 26° to 39° **WF** - Wide Flood α from 40° to 60° **VWF** - Very Wide Flood

LED	17 - 27W
TC-TEL	18 - 26W
HIT-TC-CE	20 - 35W
HIT-CE	70 - 150W

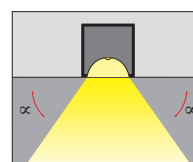
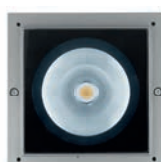
Cut off

Cut-off angle comparison between LED Single Chip and LED C.o.B. versions

LED Single Chip



LED C.o.B.







Cut Off	Body	α
	small	-
	medium	30°
	large	30°
	small	50°
	medium	55°
	large	56°

LED

Energy saving

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
50000 h **L70**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

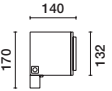

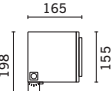

lumen lm	LED	QR 111 		HIT-CE 	
1480	17W	75W	77%	-	-
2280	27W	2x75W	82%	35W	22%

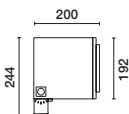

(3000K) LED energy saving compared with conventional lamps

Versions

iPro floodlights with small, medium and large body can be wall-mounted using the special base. The codes, technical and lighting design features are on page 512.



Floodlight	Lamp	Optic	Code
small  Wall-mounted base code BZ18 	12W 1600 lm LED C.o.B. neutral	15°	BX02
	12W 1500 lm LED C.o.B. warm	15°	BX03
	12W 1600 lm LED C.o.B. neutral	42°	BX04
	12W 1500 lm LED C.o.B. warm	42°	BX05
	12W 1600 lm LED C.o.B. neutral	60°	BX06
	12W 1500 lm LED C.o.B. warm	60°	BX07
	10W 790 lm LED Single Chip neutral	6°	BD34
	10W 680 lm LED Single Chip warm	6°	BD35
	10W 790 lm LED Single Chip neutral	32°	BD36
	10W 680 lm LED Single Chip warm	32°	BD37
	50W QR CBC 51 GU5,3	-	BD38
	20W HIT-CE PGJ5	6°	BD32
	20W HIT-CE PGJ5	38°	BD33
	medium  Wall-mounted base code BZ19 	12W 1600 lm LED C.o.B. neutral (1-10V)	12°
12W 1500 lm LED C.o.B. warm (1-10V)		12°	BX09
12W 1600 lm LED C.o.B. neutral (1-10V)		38°	BX10
12W 1500 lm LED C.o.B. warm (1-10V)		38°	BX11
12W 1600 lm LED C.o.B. neutral (1-10V)		48°	BX12
12W 1500 lm LED C.o.B. warm (1-10V)		48°	BX13
18W 1400 lm LED Single Chip neutral		6°	BD46
18W 1210 lm LED Single Chip warm		6°	BD47
18W 1400 lm LED Single Chip neutral		32°	BD48
18W 1210 lm LED Single Chip warm		32°	BD49
35W HIT-TC-CE G8,5		10°	BD44
35W HIT-TC-CE G8,5		20°	BD45
35W HIT-TC-CE G8,5		6°	BD40
35W HIT-TC-CE G8,5		10°	BD41
35W HIT-TC-CE G8,5		20°	BD42
35W HIT-TC-CE G8,5		AL	BD43

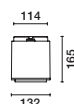
Floodlight	Lamp	Optic	Code
large  Wall-mounted base code BZM5 	24W 3200 lm LED C.o.B. neutral 1-10V	16°	BX14
	24W 3000 lm LED C.o.B. warm 1-10V	16°	BX15
	24W 3200 lm LED C.o.B. neutral 1-10V	30°	BX16
	24W 3000 lm LED C.o.B. warm 1-10V	30°	BX17
	24W 3200 lm LED C.o.B. neutral 1-10V	48°	BX18
	24W 3000 lm LED C.o.B. warm 1-10V	48°	BX19
	35W 4500 lm LED C.o.B. neutral DALI	16°	BX20
	35W 4290 lm LED C.o.B. warm DALI	16°	BX21
	35W 4500 lm LED C.o.B. neutral DALI	30°	BX22
	35W 4290 lm LED C.o.B. warm DALI	30°	BX23
	35W 4500 lm LED C.o.B. neutral DALI	48°	BX24
	35W 4290 lm LED C.o.B. warm DALI	48°	BX25
	27W 2430 lm LED Single Chip neutral	8°	BG35
	27W 2280 lm LED Single Chip warm	8°	BG36
	27W 2430 lm LED Single Chip neutral	34°	BG37
	27W 2280 lm LED Single Chip warm	34°	BG38
	24W 1300 lm LED Single Chip RGB	8°	BV60
	24W 1300 lm LED Single Chip RGB	30°	BV61
	23W 2320 lm LED Single Chip WNC	8°	BV62
	23W 2320 lm LED Single Chip WNC	30°	BV63
	70W HIT-CE G12	10°	BD57
	70W HIT-CE G12	38°	BD58
	150W HIT-CE G12	8°	BD59
	150W HIT-CE G12	36°	BD61
70W HIT-CE G12	6°	BD52	
70W HIT-CE G12	10°	BD53	
70W HIT-CE G12	38°	BD54	
70W HIT-CE G12	AL	BD56	
70W HIT-DE-CE Rx7s	AT	BD55	
150W HIT-DE-CE G12 / HST-DE Rx7s	AT	BD62	



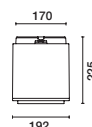
01
WHITE



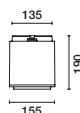
15
GREY



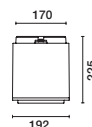
light source	W*	lm	optic	code	colour
LED new	Neutral white C.o.B.				
•	12 W	1600	42°	BX26	01-15
Warm white C.o.B.					
•	12 W	1500	42°	BX27	01-15
Complete with power supply Class of Insulation I					



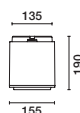
light source	W*	lm	optic	code	colour
LED new	Neutral white C.o.B. dimmable 1-10V				
•	24 W	3200	30°	BX30	01-15
Warm white C.o.B. dimmable 1-10V					
•	24 W	3000	30°	BX31	01-15
Neutral white C.o.B. DALI					
•	35 W	4500	30°	BX32	01-15
Warm white C.o.B. DALI					
•	35 W	4290	30°	BX33	01-15
Complete with power supply Class of Insulation I					



light source	W*	lm	optic	code	colour
LED new	Neutral white C.o.B. dimmable 1-10V				
•	17 W	2170	38°	BX28	01-15
Warm white C.o.B. dimmable 1-10V					
•	17 W	2070	38°	BX29	01-15
Complete with power supply Class of Insulation I					



light source	W*	lm	optic	code	colour
LED	Neutral white Single Chip				
	27 W	2430	8°	BI38	01-15
	27 W	2430	34°	BI40	01-15
	27 W	2430	100°	BL23	01-15
Warm white Single Chip					
	27 W	2280	8°	BI39	01-15
	27 W	2280	34°	BL22	01-15
	27 W	2280	100°	BL24	01-15
Complete with power supply					



light source	W*	lm	optic	code	colour
LED	Neutral white Single Chip				
	17 W	1580	34°	BI31	01-15
	17 W	1580	100°	BI33	01-15
Warm white Single Chip					
	17 W	1480	34°	BI32	01-15
	17 W	1480	100°	BI34	01-15
Complete with power supply					
TC-TEL (GX24q-2)	18 W		100°	BI35	01-15
HIT-TC-CE (G8,5)	20 W		59°	BI36	01-15
	35 W		59°	BI37	01-15

TC-TEL (GX24q-3) 	Electronic	26 W	62°	BL25	01-15
HIT-CE (G12) 	Electronic	70 W	64°	BL26	01-15
	Electromagnetic	150 W	64°	BL27	01-15

accessories



Accessory-frame
For use installing accessories

code	colour	code	colour	code	colour
BZ49	01-15	BZ63	01-15	BZ77	01-15

Refractor for elliptical distribution

BZ53	24	BZ67	24	BZ80	24
-------------	----	-------------	----	-------------	----

Glass diffuser

BZ51	65	BZ65	65	BZ79	65
-------------	----	-------------	----	-------------	----

Prismatic glass diffuser

BZ52	24 for LED versions	BZ66	24 for LED versions	1154	24 for LED versions
-------------	------------------------	-------------	------------------------	-------------	------------------------

Protection grid
Installed with accessory-frame

BZ56	13	BZ71	13	BZ85	13
-------------	----	-------------	----	-------------	----

Interchangeable reflectors for LED C.o.B.

spot	X099 (15°) 12	---	---	X105 (16°) 12
wide flood	X101 (60°) 12	X104 (48°) 12		X107 (48°) 12

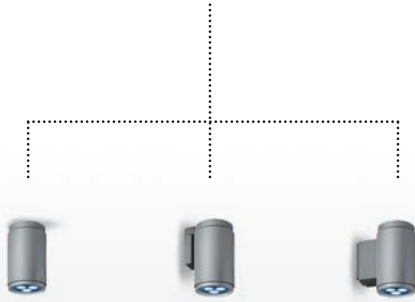
Refer to table and instruction sheet for information on how to install and combine the accessories.





iRoll 65

micro ø 78

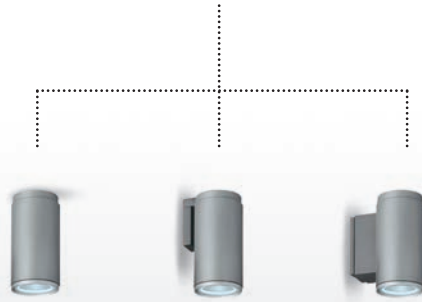


ceiling-mounted

wall-mounted
down light

wall-mounted
up/down light

mini ø 109

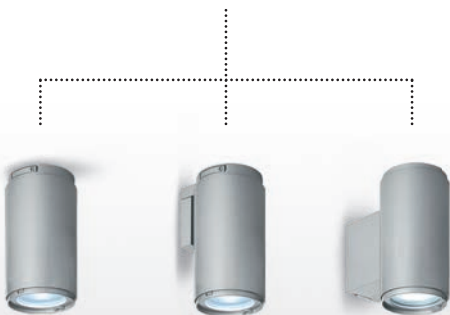


ceiling-mounted

wall-mounted
down light

wall-mounted
up/down light

small ø 165



ceiling-mounted

wall-mounted
down light

wall-mounted
up/down light

large ø 218



ceiling-mounted

wall-mounted
down light

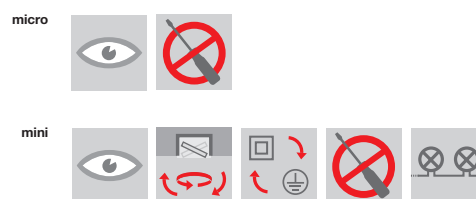
wall-mounted
up/down light



Features



- Luminaire for use with halogen lamps and LEDs.
- Ceiling and wall-mounted installation with down light and up/down light emission.
- High visual comfort.
- Optical assembly, ceiling or wall base, arm (wall-mounted version) and frame made of die-cast aluminium; plastic arm guard; 4 mm thick tempered sodium-calcium closing glass secured to the frame with silicone.
- Internal silicone watertight gaskets.
- Double adjustability of the optics.
- Black polycarbonate multigroove ring for visual comfort.
- Luminaire ready for pass-through wiring.
- External stainless steel screws.
- Class of Insulation II, set up for class I (on request).
- Class of Insulation I (versions with QR CBC 51, 240V, ceiling and wall-mounted down-light)



Optical accessories



Refractor for elliptical distribution



Diffusing prismatic glass





Coloured filters

LED

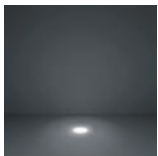
Energy saving

- **LED Single Chip**
- Colour stability
Mac Adam <3
- Life
50000 h **L70**
- Color temperature:
Neutral white **4000K**
Warm white **3000K**

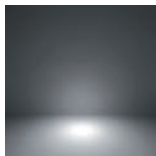
lumen lm	LED	QR CBC 51 	
270	4,5W	20W	78%
480	7,6W	35W	78%
1110	13W	50W	74%

(3000K) LED energy saving compared with conventional lamps

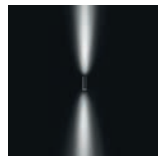
Micro optics and lamps



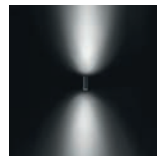
SS - Superspot
 $\alpha < 8^\circ$



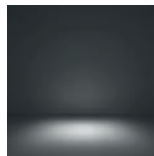
F - Flood
 α from 26° to 39°



SS - Superspot
SS - Superspot



F - Flood
F - Flood



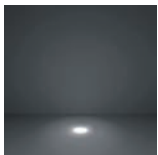
E - Elliptical*

LED

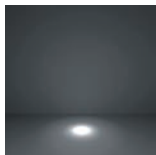
4,5 - 7,6W

* The Elliptical optic is obtained by fitting the appropriate accessory.

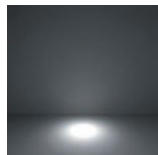
Mini optics and lamps



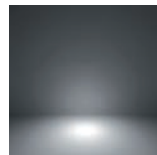
SS - Superspot
Adjustable



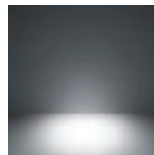
S - Spot
Adjustable



M - Medium
Adjustable



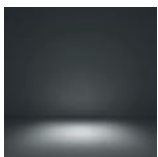
F - Flood
Adjustable



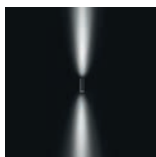
VWF - Very Wide
Flood *Adjust.*

LED

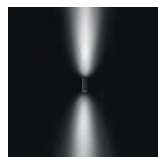
4,9 - 13W



E - Elliptical*
Adjustable




SS - Superspot *Adjust.*
SS - Superspot *Adjust.*



S - Spot *Adjustable*
S - Spot *Adjustable*

* The Elliptical optic is obtained by fitting the appropriate accessory.



LED **Ceiling-mounted**
Neutral white Single Chip

4,5W	310	6°	BA79 15
4,5W	310	30°	BA82 15

Warm white Single Chip

4,5W	270	6°	BA80 15
4,5W	270	30°	BA83 15

Complete with power supply
Class of Insulation I
Max 1 flat accessory may be installed



LED **Wall-mounted - Down light**
Neutral white Single Chip

4,5W	310	6°	BA85 15
4,5W	310	30°	BA88 15

Warm white Single Chip

4,5W	270	6°	BA86 15
4,5W	270	30°	BA89 15

Complete with power supply
Class of Insulation I
Max 1 flat accessory may be installed



LED **Wall-mounted - Up/down light**
Neutral white Single Chip

7,6W	550	up 8°	BA91 15
		down 8°	
7,6W	550	up 31°	BA94 15
		down 31°	

Warm white Single Chip

7,6W	480	up 8°	BA92 15
		down 8°	
7,6W	480	up 31°	BA95 15
		down 31°	

Complete with power supply
Class of Insulation I
Max 1 flat accessory may be installed

LED **Ceiling-mounted**
Neutral white Single Chip - adjustable optic

4,9W	380	7°	BC05 15
4,9W	380	14°	BC08 15

Warm white Single Chip - adjustable optic

4,9W	330	7°	BC06 15
4,9W	330	14°	BC09 15



Neutral white C.o.B. - fixed optic

13W	1140	38°	B115 15
-----	------	-----	----------------

Warm white C.o.B. - fixed optic

13W	1110	38°	B116 15
-----	------	-----	----------------

Complete with power supply
Class of Insulation II
Max 1 flat accessory may be installed

LED **Wall-mounted - Down light**
Neutral white Single Chip - adjustable optic

4,9W	380	7°	BC12 15
4,9W	380	14°	BC15 15

Warm white Single Chip - adjustable optic

4,9W	330	7°	BC13 15
4,9W	330	14°	BC16 15

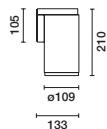

Neutral white C.o.B. - fixed optic

13W	1140	16°	B121 15
13W	1140	38°	B123 15

Warm white C.o.B. - fixed optic

13W	1110	16°	B122 15
13W	1110	38°	B124 15

Complete with power supply
Class of Insulation II
Max 1 flat accessory may be installed

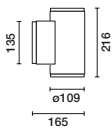
LED **Wall-mounted - Up/down light**
Neutral white Single Chip - adjustable optic

9,8W	750	up 7°	BC19 15
		down 7°	
9,8W	750	up 14°	BC22 15
		down 14°	




Warm white Single Chip - adjustable optic

9,8W	650	up 7°	BC20 15
		down 7°	
9,8W	650	up 14°	BC23 15
		down 14°	

Complete with power supply
Class of Insulation II
Max 1 flat accessory may be installed



accessories

	code	colour	code	colour
 Refractor for elliptical distribution Installed with accessory-frame	BZ17	24	BZ20	24
 Prismatic glass diffuser	BZ19	24	BZ22	24 for BC08-BC09-BC15 BC16-BC22-BC23
 Coloured filters	BZ18	05-06 09	BZ21	05-06 09



Features



- Luminaire for use with discharge, fluorescent, halogen lamps and LEDs.
- Ceiling and wall-mounted installation with down light and up/down light emission.
- High visual comfort.
- Optical assembly, base for ceilings or walls, arm (wall-mounted version) and frame made of die-cast aluminium alloy; sodium calcium transparent tempered glass, 4 mm thick, is connected with silicone to the frame; silicone water tight interior gaskets; fastening steel cables between the lower frame

- and the optical assembly and between the optical assembly and the upper base; 99,96% ultrapure aluminium reflectors.
- Available with electromagnetic and electronic control gear and emergency with inverter.
- Double adjustability of the optics.
- Luminaire ready for pass-through wiring.
- Protection in compliance with DIN/VDE 0710 part 13. (For some versions large body)
- All external screws are in A2 stainless steel.



LED

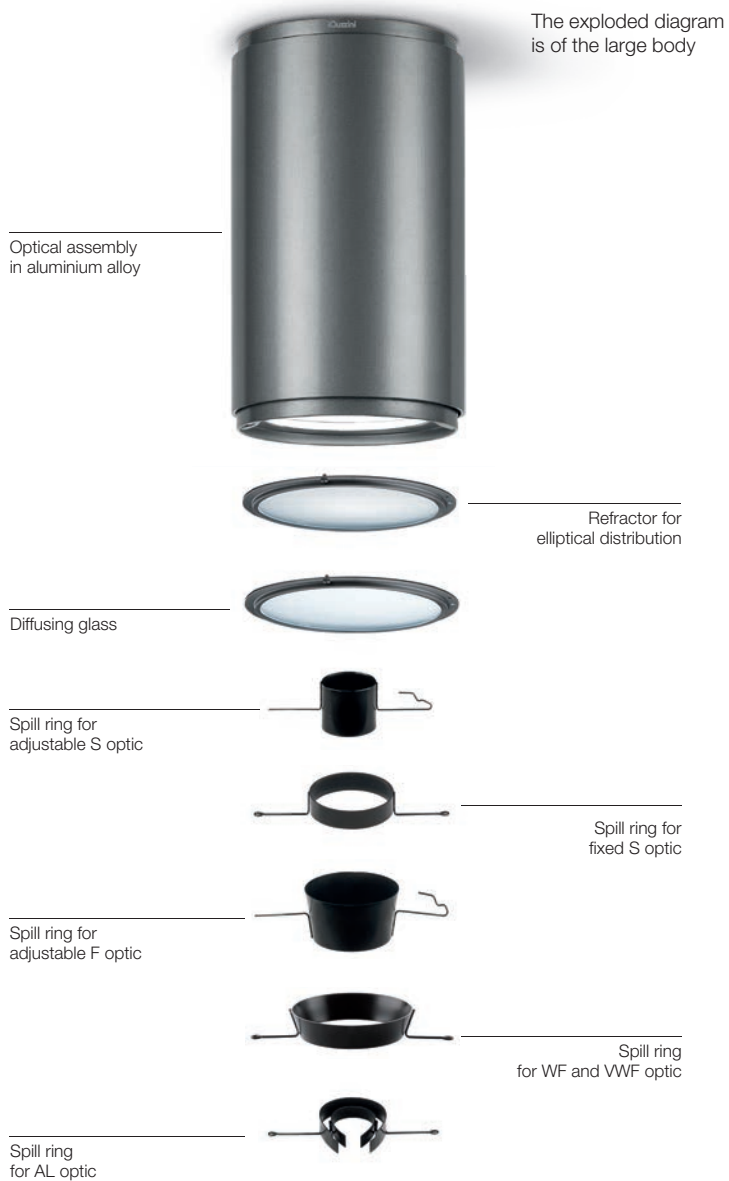
- **LED Single Chip**
- Colour stability **Mac Adam <3**
- Life 50000 h **L70**
- Color temperature: Neutral white **4000K**
Warm white **3000K**

Energy saving

lumen lm	LED	QR CBC 51 		HIT-CE 	
2100	24W	2x50W	76%	-	-
3210	35W	3x50W	77%	35W	-

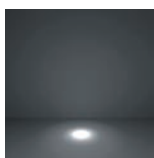
(3000K) LED energy saving compared with conventional lamps

The accessories allow the features of the lighting produced by the single luminaire to be altered, for highly professional lighting effects. The combination of filters allows the lamp colour features to be changed, to make the most of the objects lit or the space.

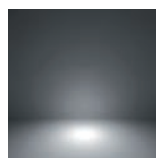


Optics and lamps

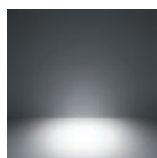
Down light



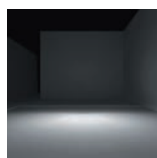
S - Spot
Adjustable



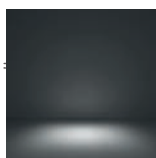
F - Flood
Adjustable



VWF - Very Wide Flood



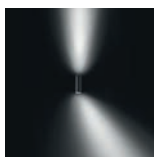
AL - Asymmetrical Longitudinal**



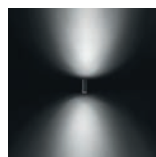
E - Elliptical*

LED	24 - 35W
HIT-TC-CE	35W
HIT-CE	70W
TC-TEL	18 - 26 - 32 - 42W

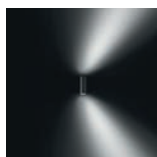
Up/Down light



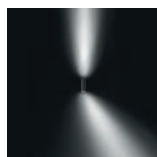
ES - Spot Effect
AL - Asym.Longit.



WF - Wide Flood Adj.
WF - Wide Flood Adj.

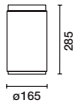


AL - Asym.Longit.
AL - Asym.Longit.

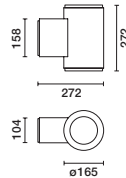


S - Spot Adjustable
AL - Asym.Longit.

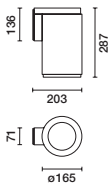
HIT-TC-CE	35 - 70W
HIT-CE	70W



light source	W*	lm	optic	code colour
LED				
Ceiling-mounted				
Neutral white C.o.B. - fixed optic				
24W	2150	36°	BI17	15
Warm white C.o.B. - fixed optic				
24W	2100	36°	BI18	15
Complete with power supply				
HIT-TC-CE (G8,5)	Electronic - adjustable optic			
35W		12°	BA08	15
35W		50°	BA12	15
Electromagnetic control gear version available on request				
TC-TEL (GX24q-2)	Electronic - fixed optic			
18W		106°	BA16	15



light source	W	optic	code colour
Wall-mounted - Up/down light			
HIT-TC-CE (G8,5)	Electronic - fixed optic		
35W	up	ES	BA31 15
	down	AL	
35W	up	51°	BA32 15
	down	51°	
70W	up	ES	BA33 15
	down	AL	
70W	up	51°	BA34 15
	down	51°	

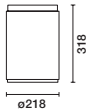


light source	W*	lm	optic	code colour
LED				
Wall-mounted - Down light				
Neutral white C.o.B. - fixed optic				
24W	2150	13°	BI25	15
24W	2150	36°	BI27	15
Warm white C.o.B. - fixed optic				
24W	2100	13°	BI26	15
24W	2100	36°	BI28	15
Complete with power supply				
HIT-TC-CE (G8,5)	Electronic - adjustable optic			
35W		12°	BA22	15
35W		AL	BA26	15
Electronic control gear version available on request				
TC-TEL (GX24q-2)	Electronic - fixed optic			
18W		106°	BA28	15

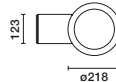
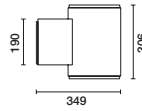
* The current W value may be reduced with the progress of technology.
For updated data please refer to our on-line catalogue.



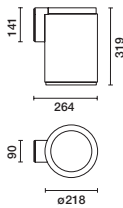
light source	W*	lm	optic	code colour
LED				
Ceiling-mounted				
Neutral white C.o.B. - fixed optic				
35 W	3270		50°	BI19 15
Warm white C.o.B. - fixed optic				
35 W	3210		50°	BI20 15
Complete with power supply				
HIT-CE (G12)				
Electronic - adjustable optic				
70 W			10°	B755 15
70 W			38°	B758 15
Electromagnetic control gear version available on request				
TC-TEL (GX24q-3/4)				
Electronic - fixed optic				
26/32/42 W			88°	B767 15
Electronic and maintained emergency light - fixed optic				
26/32 W			88°	B768 15



light source	W	optic	code colour
HIT-CE (G12)			
Wall-mounted			
Electronic - fixed optic			
70 W		up ES	*B779 15
		down AL	
70 W		up 46°	*B781 15
		down 46°	
Electromagnetic control gear version available on request			



light source	W*	lm	optic	code colour
LED				
Wall-mounted				
Neutral white C.o.B. - fixed optic				
35 W	3270		15°	BI29 15
35 W	3270		50°	BL28 15
Warm white C.o.B. - fixed optic				
35 W	3210		15°	BI30 15
35 W	3210		50°	BL29 15
Complete with power supply				
HIT-CE (G12)				
Electronic - adjustable optic				
70 W			10°	B770 15
Electronic - fixed optic				
70 W			AL	B773 15
Electromagnetic control gear version available on request				
TC-TEL (GX24q-3/4)				
Electronic - fixed optic				
26/32/42 W			88°	B776 15
Electronic and maintained emergency light - fixed optic				
26/32 W			88°	B777 15



accessories	code	colour	code	colour



accessories	code	colour	code	colour



	code	colour	code	colour
Refractor for elliptical distribution	BZ01	24	4492	24
	for BA08-BA12-BA16-BA22 BA28-BA32-BA34-BI17 BI18-BI27-BI28		for B755-B758-B767-B770 B776-B781-BI19-BI20-BI29 BI30-BL28-BL29	
Diffusing glass	BZ02	65	4493	65
	for BA08-BA12-BA16-BA22 BA26-BA28-BA31-BA32 BA33-BA34		for B755-B758-B767-B770 B773-B776-B777-B779 B781-BI19-BI20-BI29 BI30-BL28-BL29	

	code	colour	code	colour
Spill ring for adjustable Spot optic	BZ04	04	6879	04
	for BA08-BA22		for B755-B770	
Spill ring for adjustable Flood optic	BZ06	04	6881	04
	for BA12		for B758	
Spill ring for longitudinal asymmetric optic	BZ07	04	6874	04
	for BA26-BA31-BA33		for B773-B779	



Full Square

design Mario Cucinella





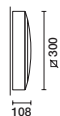
Features




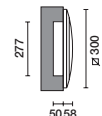
- Diffused light luminaire for use with fluorescent lamps.
- Ceiling and wall-mounted installation also available in recessed version.
- Composed of component-holder compartment, front frame and protection screen.
- Polycarbonate compartment complete with: component holderplate with protection cover, control gear with fast-coupling terminals and PG11 cable clamp; diecast aluminium external frame; polycarbonate diffuser.
- Available with electronic control gear and emergency with inverter.
- Luminaire ready for pass-through wiring.
- All screws are A2 stainless steel.





light source	W	code colour
 TC-TEL (GX24q-3)	Wall/ceiling-mounted luminaire	
	Electronic	
	26/32 W	B572 01-15
 TC-TEL (GX24q-3/4)	Wall/ceiling-mounted luminaire	
	Electronic	
	26 W	*B691 01-15
* Wall-mounting only		



light source	W	code colour
 TC-TEL (GX24q-3/4)	Wall/ceiling-recessed luminaire	
	Electronic	
	26/32 W	B573 01-15



installation systems

	code colour		code colour
 Body moulding cover The polystyrene is placed in the container either to create a housing for the fixture when set in concrete or to provide a finish for the housing for the wall-mounted unit.	0045 00 for B573	 Casing	BZH6 04 for B573

Full

design Mario Cucinella



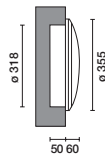
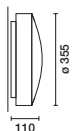
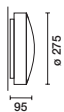
Features



- Luminaire for diffused light emission for use with incandescent (Full) and fluorescent (Screen/Full) lamps.
- Ceiling and wall-mounted installation also available in recessed version.
- Equipped with component compartment, frame, and diffusing screen.
- Polycarbonate compartment complete with component-holder plate with protection cover, control gear with fast-coupling terminals and PG11 cable clamp; die-cast aluminium external frame; diffuser made of internally painted textured glass (IK10 polycarbonate version available on demand).
- Available with electronic control gear and emergency with inverter.
- Luminaire ready for pass-through wiring.
- All screws are A2 stainless steel.



light source	W	ø	code colour
Wall/ceiling-mounted luminaire			
HALO ES (E27)	60 W max	275	7078 01-15
	75 W max	355	7040 01-15
TC-TEL (GX24q-3/4)	Electronic		
	26 W	275	B546 01-15
	26/32/42 W	355	B548 01-15
	2x26 W	355	B549 01-15
Electronic Always-on for emergency light			
	26 W	355	B689 01-15
Wall/ceiling-mounted luminaire with halo			
HALO ES (E27)	60 W max	275	7082 01-15
	75 W max	355	7045 01-15
TC-TEL (GX24q-3/4)	Electronic		
	26 W	275	B547 01-15
	26/32/42 W	355	B550 01-15
	2x26 W	355	B551 01-15



light source	W	ø	code colour
Wall/ceiling-recessed luminaire			
TC-TEL (GX24q-3/4)	Electronic		
	26/32/42 W	355	B554 01-15

* Wall-mounting only

installation systems

	code	colour
Body moulding cover The polystyrene is placed in the container either to create a housing for the fixture when set in concrete or to provide a finish for the housing for the wall-mounted unit.	0043	00 for B554

	code	colour
Casing	BZH5	04 for B554



Features



- Direct light luminaire with floor-washer emission for use with fluorescent and discharge lamps.
- Wall-mounted installation also available in recessed version.
- Composed of component-holder compartment, front frame and protection screen.

- Polycarbonate compartment complete with component-holder plate with protection cover, control gear with fastcoupling terminals and PG11 cable clamp; front frame made of diecast aluminium with EPDM perimeter gasket; protection screen made of hardened transparent glass.

- High visual comfort.
- Luminaire ready for pass-through wiring.
- All screws are A2 stainless steel.



light source	W	∅	code colour
Wall-mounted luminaire			
TC-DEL (G24q-2/3)	Electronic		
	18 W	275	B576 15
	26 W	355	B577 15
HIT-CE (PGJ5)	Electronic		
	20 W	275	* BD79 15
	35 W	355	BD80 15
* Version on request			

light source	W	code colour
Wall-mounted luminaire		
TC-DEL (G24q-3)	Electronic	
	26 W	B580 15
HIT-CE (PGJ5)	Electronic	
	35 W	BD81 15

light source	W	∅	code colour
Wall-mounted recessed			
TC-DEL (G24q-2/3)	Electronic		
	18 W	275	B578 15
	26 W	355	B579 15
HIT-CE (PGJ5)	Electronic		
	20 W	275	* BD82 15
	35 W	355	BD83 15
* Version on request			

light source	W	code colour
Wall-mounted recessed		
TC-DEL (G24q-3)	Electronic	
	26 W	B581 15
HIT-CE (PGJ5)	Electronic	
	35 W	BD84 15

installation systems

	code	colour
Body moulding cover The polystyrene is placed in the container either to create a housing for the fixture when set in concrete or to provide a finish for the housing for the wall-mounted unit.	0044	00 for B578-BD82 0043 00 for B579-BD83
Casing	BZH4	04 for B578-BD82 BZH5 04 for B579-BD83

installation systems

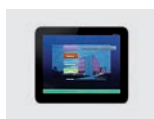
	code	colour
Body moulding cover The polystyrene is placed in the container either to create a housing for the fixture when set in concrete or to provide a finish for the housing for the wall-mounted unit.	0045	00 for B581-BD84
Casing	BZH6	04 for B581-BD84





Light Management Systems

Open Systems



662 Master Pro DMX



668 Master Pro Evo



678 LMS Quick

Preconfigured Systems



684 Colour Quick

Preconfigured Internal luminaires



141 Express Evo



135 Deep Laser



280 Lineup ww



288 iSign

Preconfigured External luminaires



509 iPro



520 Woody



528 MaxiWoody



534 Platea



548 Light Up wp



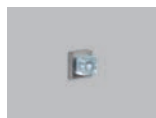
552 Light Up Light



563 Ledplus



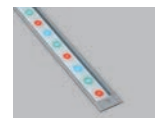
575 Lun-Up



615 Glim Cube



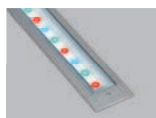
474 Linealuce Mini



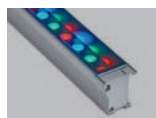
478 Linealuce Mini recessed



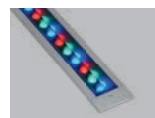
483 Linealuce Compact



488 Linealuce Compact recessed



493 Linealuce



496 Linealuce recessed



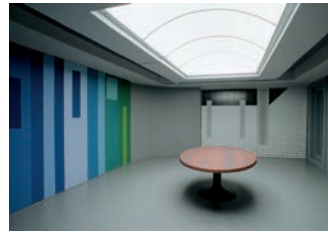
500 Led Tube

Light Management Systems

The History

Light has always had a fundamental role. Either natural or artificial, light is part of our life and affects our biological rhythms and daily activities. Over the years iGuzzini has carried out an intense research programme that has led to the development of lighting management systems to take full advantage of correct lighting. **Back in 1988 the investigation started with Sivra;** in collaboration with Spazio S.a.S of Milan,

the National Research Institute, the Lighting Research Center of the Rensselaer Polytechnic Institute of Troy and Futuro of Florence. Originally developed as a solution to problems encountered in enclosed settings, Sivra (Variable Lighting System with Automatic Regulation) showed that the use of light can stimulate the human body, improve concentration and productivity skills.



Energy Saving

The increasingly widespread use of heating, air conditioning, lighting and new technology has provoked a considerable increase in energy demands in our buildings. Consequently up to 50% of CO₂ emissions can be attributed to commercial and residential buildings on account of their high level of electricity consumption. Commercial and residential buildings account for 40% of global energy consumption.



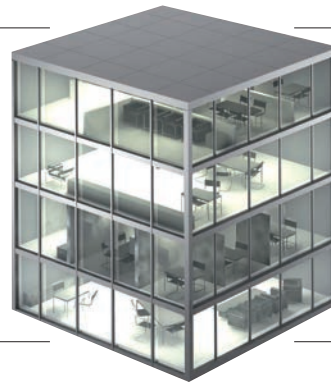
Renewable energy sources



Automation and integrated building management



Energy monitoring and management



Controlled lighting



HVAC control systems (heating, ventilation and air conditioning)



The distribution of electrical energy

Through specific light control functions (presence sensors, daylight sensors and timers) used individually or in combination, light management systems you can obtain:

- Maximum energy saving and lower CO₂ emissions
- Cost reduction
- Maximum comfort for customers
- Wide flexibility for each type of project
- Possibility to create personalised light scenes



Presence detector



Dimming



Daylight sensor



Time programming

L.E.N.I.

Lighting Energy Numeric Indicator specifying the assessment method for quantifying the energy used for interior lighting in buildings.

Energy requirements for lighting

- Total lighting power
- Constant lighting
- Natural light use (yes/no)
- Occupation factor
- Natural light factor
- Parasite power (CTRLS)
- Total circuit power
- Use of energy saving luminaires
- Light Management Systems

Intended use	20	40	60	80	100	120	140	160	180	KWh/m ² year
Offices		32,2		67,1						
Education		24,8		54,9						
Hospitals			50,7						160,8	
Hotel		34,6					108,1			
Restaurants		27,1				92,1				
Sport			37,9						123,7	
Retail				70,6						178,1
Production			37,5						123,7	

For each intended location there are 12 limit values that vary according to the type of lighting system.

Light Management Systems

The light



Lighting in its colour variations (RGB and RGB + White) together with the possibility of modulating the colour temperature from 2700 to 6000K (Warm/Neutral/Cool), offer important opportunities for emphasising the identity of spaces and making them more welcoming and comfortable. In fact, the pursuit of wellbeing involves various places where multi-sensory factors and technology become increasingly important in terms of what is perceived and seen. Lighting management also allows us to make the most of details and routes, to create a sense of depth and surprising backgrounds. It provides emphasis and theatre, for designing and creating environments packed with a variety of styles.



Open Systems: Master Pro Evo / Master Pro DMX / LMS Quick



Each space has its own configuration, specific purposes and exact lighting requirements. Open light management systems operate with great flexibility and versatility to meet the diverse needs of specific settings. Designed to fit in with any environment, these can be programmed and configured.

Connected to each interface, they allow each component of a system to be controlled using KNX, LON and DALI protocols. The selection of the light management system will depend on the type, size and complexity of the space.

Preconfigured Systems: Color Quick



Preconfigured lighting management systems are designed to provide a simple management mode for lighting installations that use a selection of iGuzzini fittings.

The Plug and Play technology immediately allows for automatic use, without need for configuration or assistance by specialised personnel.

The intuitive display guarantees user-friendly use. These systems give life to versatile plays of light and colour to create suggestive scenarios.

Settings



Monospace
Light management in a single room



Multispace
Simultaneous management of various light scenes in a multi-room environment



Light Management Systems
Integrated automatic management of lighting for buildings

Master Pro DMX



Features

A “smart”, innovative control system, based on DMX RDM technologies allowing centralized management of all lighting functions, with dynamic color change or monochrome, which are usually controlled separately.

Master Pro DMX offers flexible solutions for all requirements, guaranteeing maximum energy savings and the best possible effects in terms of using lighting to rapidly alter perceptions of spaces.

DMX

Customized projects

iGuzzini technical staff and designers are available, upon request, to find the best possible Master Pro DMX system configuration. Every project is studied taking into consideration specific customer requirements.



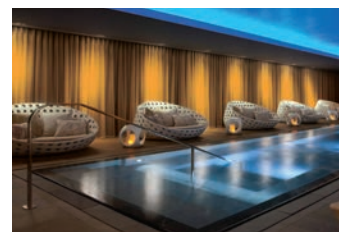
Architectural

Customize control solutions to make them reflect who you are, enhancing and highlighting your idea of the outer features of the architecture whose meaning, in that way, changes every time.



Retail

Display goods elegantly and inspire purchasing behavior.



Hospitality

Provoke an emotional response and use lighting to create serene, intriguing atmospheres.

Master Pro DMX

Functions

The Master Pro DMX system's potential is highlighted in the lighting of facades, where vertical and horizontal geometries can be created, promoting a highly effective visual impact even for buildings which have a very simple structure.



Master Pro DMX

System block diagram

Speed and dynamism are the strong points of Master Pro DMX. The combination of the various modules allows DMX luminaires (monochrome, RGB, RGBW, WRGBW, white tuning) to be controlled in a way that makes it possible to create systems of any size. A customisable graphical user

interface allows users to control the recall of fixed lighting setups or replay dynamic sequences from remote technological devices (WiFi or Ethernet). The system is made up of the DMX control unit, called a Butler, and accessories for the use of additional, non-DMX luminaires.

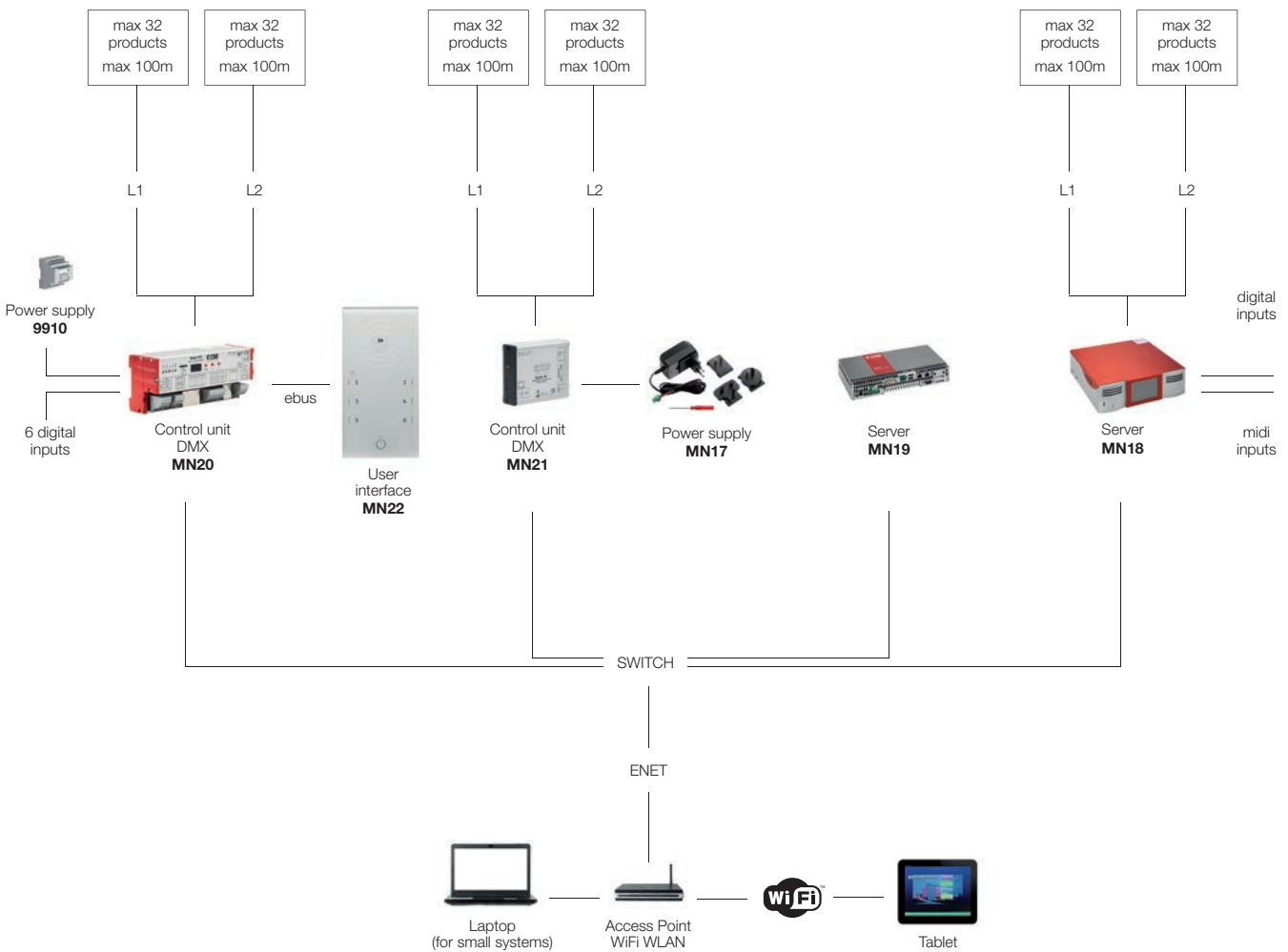
For small lighting systems stand-alone mode is possible, with a server, called a LCE, for on-line control of the entire system. This system can be integrated in The Building Automation using the related Gateway Connect EIB/KNX module.



Small systems

Medium systems

Large systems



Optional devices (not supplied by iGuzzini) for manually controlling the system, retrieving and using commands pre-configured at the programming stage. Such devices cannot change the programming previously performed.

Master Pro DMX

Control engines

	<p style="text-align: right;">code colour</p> <p>Server LCE "Lighting Control Engine" 600 W MN18 00</p> <hr/> <p>$V_{IN}=100\div 240Vac$</p>		<p style="text-align: right;">code colour</p> <p>Interface/Engine "Butler XT2" (1024 channels DMX/RDM) 34 W MN20 00</p> <hr/> <p>$V_{IN}=12\div 24Vdc$ - Current $\geq 1,35A$ with e:bus 24Vdc (Glass touch panel)</p>
	<p style="text-align: right;">code colour</p> <p>Server LCEmx "Lighting Control Engine mx" 100 W MN19 00</p> <hr/> <p>$V_{IN}=24Vdc$ - Current 4A</p>		<p style="text-align: right;">code colour</p> <p>Interface/Engine "Butler S2" (1024 channels DMX/RDM) 6 W MN21 00</p> <hr/> <p>$V_{IN}=12\div 24Vdc$ via ext. PSU Current max 250mA $V_{IN}=48Vdc$ via PoE (Power over Ethernet)</p>








User terminals

	<p style="text-align: right;">code colour</p> <p>Glass keyboard - Glass Touch T6R White MN22 01</p> <hr/> <p>$V_{IN}=24Vdc$ - 18mA via e:bus - IP20</p>
--	--

Interfaces and accessories

	<p style="text-align: right;">code colour</p> <p>"DMX2CC 6 channel" MN23 00</p> <hr/> <p>DMX dimmer for LED products which use Constant Current (CC) dimming - 6 channels $V_{IN}=24\div 48Vdc$ - max 4,5A - max 180 W Max output adjustable current: 50-700mA for channel Max 12 LEDs per channel, up to a total of 72 LEDs</p>		<p style="text-align: right;">code colour</p> <p>"DMX2PWM 6 channel" MN26 00</p> <hr/> <p>DMX dimmer for constant voltage (CV) LED products (PWM controllable) - 6 channels $V_{IN}=12\div 48Vdc^*$ Output current per channel: max 2A. Input continuous current (power supply): max. 14A</p> <p>* Power supply (PSU) 12Vdc for LED to 12Vdc Power supply (PSU) 24Vdc for LED to 24Vdc Power supply (PSU) 48Vdc for LED to 48Vdc</p>
	<p style="text-align: right;">code colour</p> <p>"DMX2CC 12 channel" MN24 00</p> <hr/> <p>DMX dimmer for LED products which use Constant Current (CC) dimming - 12 channels $V_{IN}=24\div 48Vdc$ - max 9A - max 360 W Max output control current: 50÷700mA for channel Max 12 LED for channel, up to a total of 144 LEDs</p>		<p style="text-align: right;">code colour</p> <p>Gateway Connect EIB/KNX MN27 00</p> <hr/> <p>Converts the unidirectional data of the KNX (Konnex) protocol into the E:CUE (e:net) Ethernet protocol $V_{IN}=24Vdc$ (21÷32Vdc) - 3W</p>
	<p style="text-align: right;">code colour</p> <p>"DMX2PWM 3 channel" MN25 00</p> <hr/> <p>DMX dimmer for constant voltage (CV) LED products (PWM controllable) - 3 channels $V_{IN}=12\div 48Vdc^*$ Output current per channel: max 2,5A.</p> <p>* Power supply (PSU) 12Vdc for LED to 12Vdc Power supply (PSU) 24Vdc for LED to 24Vdc Power supply (PSU) 48Vdc for LED to 48Vdc</p>		<p style="text-align: right;">code colour</p> <p>"RDM ISOLATOR" MN28 00</p> <hr/> <p>DMX signal amplifier/isolator $V_{IN}=9\div 48Vdc$ - 1W</p>

Interfaces and accessories

	<p style="text-align: right;">code colour</p> <p>6-way DMX512 splitter and amplifier bi-directional, DIN rail enclosure</p> <p style="text-align: center;">MT87 00</p>		<p style="text-align: right;">code colour</p> <p>Electronic power supply designed to mount on a DIN standard profile 120 W</p> <p style="text-align: center;">BZ14 00</p>
	<p>Power supply kit, 12W with plugs (EU, UK, US, DE), screwdriver and connector for "Butler S2" code MN21</p> <p style="text-align: center;">MN17 00</p>		<p>Electronic power supply designed to mount on a DIN standard profile 240 W</p> <p style="text-align: center;">BZ15 00</p>
	<p>Electronic power supply designed to mount on a DIN standard profile 72 W</p> <p style="text-align: center;">9910 00</p>		<p>Electronic power supply designed to mount on a DIN standard profile 480 W</p> <p style="text-align: center;">BZ16 00</p>
	<p>Electronic power supply designed to mount on a DIN standard profile 120 W</p> <p style="text-align: center;">BZK0 00</p>		



Master Pro Evo



Features

This innovative «intelligent» control system, based on KNX, LON and DALI technology, allows all the functions in a building that are usually controlled separately, to be managed via a centralised system. Master Pro Evo offers flexible solutions for all kinds of application; solutions that guarantee comfort, safety and maximum energy savings.

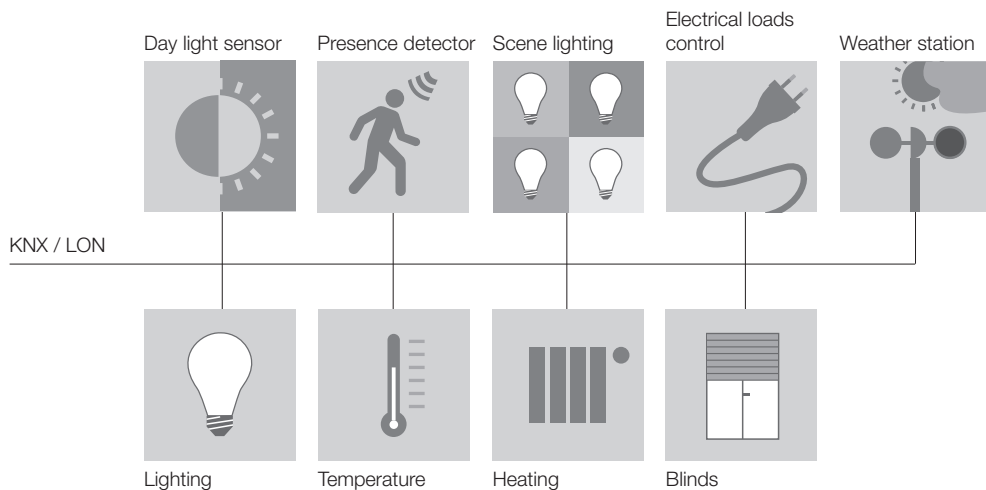
Customised projects

iGuzzini's team of technicians and designers are always ready to ensure an optimal configuration of the Master Pro Evo system. Every project is designed taking into account the customer's specific requirements.



Centralized control

Adopting simple programmable logic controllers in a traditional system can guarantee users optimal comfort. Today, thanks to the KNX / LON systems, highly adaptable solutions can be designed that cover all applications, from the simplest to the most complicated service industry system. User-friendly installation, less cables, and a range of services including scene lighting, fault indications, and local and remote control systems, now combine to offer real added value solutions.



Master Pro Evo

The system in action

Conference halls



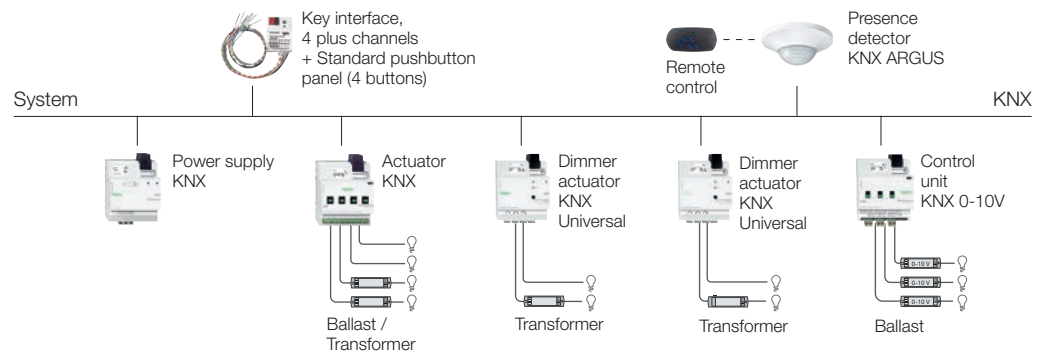
Automatic scene lighting control commands

Depending on the functions and uses required, customised lighting scenarios can be created in various areas of the building: meeting rooms, corporate welcome areas, offices, etc.



Benefits

- 10% less electrical energy used compared to a traditional system for a room of a similar size.
- More comfort for users and a more pleasant atmosphere in the room.
- Maximum design flexibility
- Manual, automatic and remote adjustment options via an IR receiver.
- Easy maintenance.



Showroom



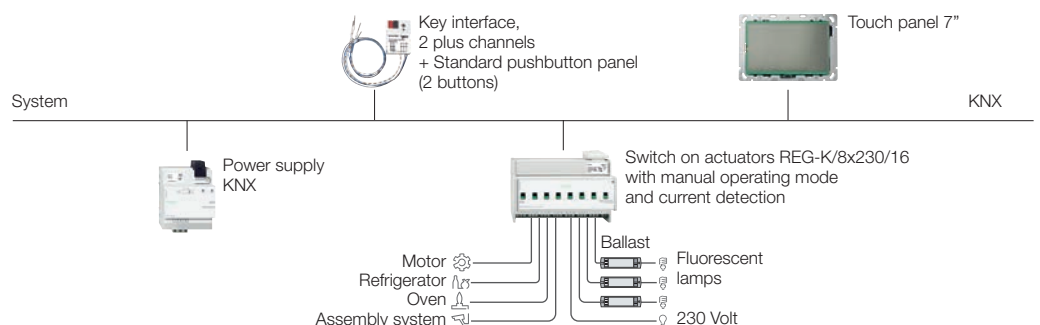
KnX switch on actuators connected to a load monitoring touch panel

Monitoring electrical loads after store closures, such as lighting systems, surveillance cameras and other kinds of devices, help avoid unnecessary energy waste. This configuration also allows lighting systems to be programmed during the night.



Benefits

- Monitoring consumption and identifying potential waste can result in savings of over 10%.
- Superior safety levels thanks to automatic alarms and emergency calls.
- Superior flexibility and a user-friendly design.



Master Pro Evo

The system in action

Offices



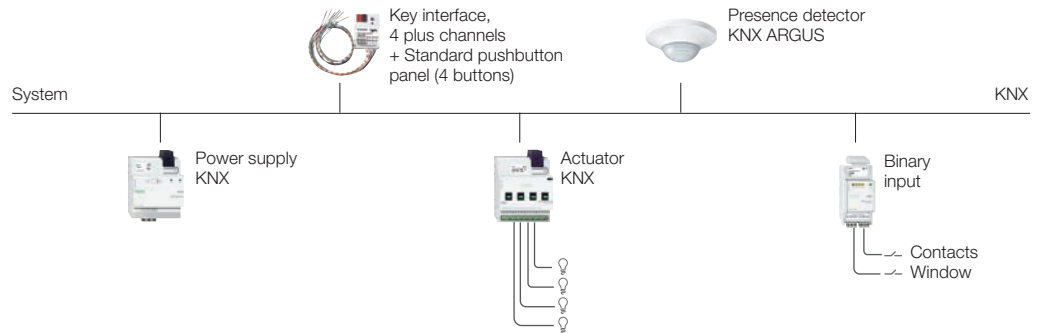
Presence detectors and light sensors

Automatic lighting and heating monitoring for the various offices is obtained through the interaction of sensors and actuators that eliminate manual intervention and offer increased safety, energy efficiency and comfort.



Benefits

- Automated room monitoring reduces energy consumption by 35%.
- Higher safety levels thanks to alarms and automated emergency calls.
- Faster installation times
- Easy maintenance



Polyfunctional centres



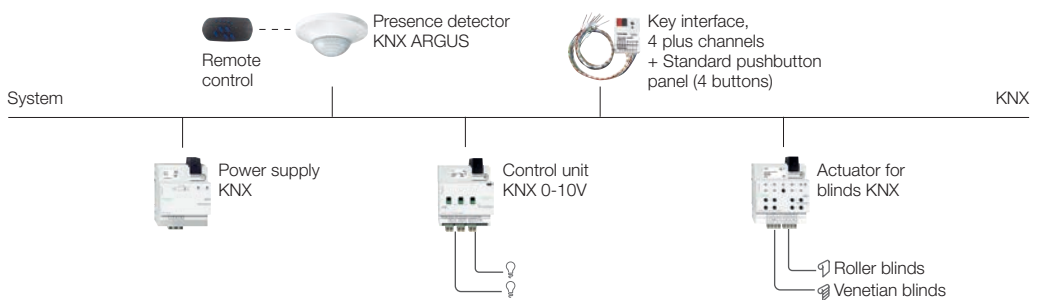
Presence detectors, light sensors and actuators for controlling blinds.

The combination of various checking systems allows lighting to be controlled automatically and blinds to be regulated according to how the rooms are used, what their position is and the level of natural light.








Benefits






- The chance to save up to 50%.
- Higher safety levels and savings thanks to alarms and automated emergency calls.
- Remote control and monitoring system.
- Easy maintenance.
- Greater flexibility and easier to install.



System Components

	<p style="text-align: right;">code colour</p> <hr/> <p>KNX REG-K/320 mA power supply MH93 00</p> <hr/> <p>A module adapted to generate the bus voltage required to power a line of devices. Current: 320 mA</p>		<p style="text-align: right;">code colour</p> <hr/> <p>REG, 24 V CC / 0,4 A< power supply MH57 00</p> <hr/> <p>Device with integrated overload or short circuit protection fitted on the DIN EN5022 guide and adapted to provide an auxiliary power supply to the KNX components.</p>
	<p style="text-align: right;">code colour</p> <hr/> <p>KNX REG-K/640 mA power supply MI56 00</p> <hr/> <p>A module adapted to generate the bus voltage required to power a line of devices. Current: 640 mA</p>		<p style="text-align: right;">code colour</p> <hr/> <p>Infrared remote control Distance 2010 MH95 04</p> <hr/> <p>10 channel infrared remote control</p>
	<p style="text-align: right;">code colour</p> <hr/> <p>REG-K coupler MH94 00</p> <hr/> <p>For the logic connection and isolating lines and areas electrically.</p>		









Interfaces / Gateways

	<p style="text-align: right;">code colour</p> <hr/> <p>USB REG-K interface MH96 00</p> <hr/> <p>For connecting a programming or diagnostic device to the bus line via a USB1.1 or USB2 interface.</p>		<p style="text-align: right;">code colour</p> <hr/> <p>KNX/IP REG-K router MH98 00</p> <hr/> <p>The KNX/IP routers can also forward telegrams between lines using the LAN (IP) as a rapid backbone.</p>
	<p style="text-align: right;">code colour</p> <hr/> <p>KNX DALI REG-K/1/16(64)/64 Gateway MH97 00</p> <hr/> <p>The DALI gateway connects the KNX protocol to the DALI interface digital electronic devices. Up to 64 reactors can be commanded and adjusted by dividing them into 16 units.</p>		<p style="text-align: right;">code colour</p> <hr/> <p>KNX-DMX gateway MI28 00</p> <hr/> <p>The DMX gateway connects the KNX protocol to the DMX RDM interface digital electronic devices. Enabling up to 512 reactors to be controlled and regulated.</p>
	<p style="text-align: right;">code colour</p> <hr/> <p>WIFI connection system for APPLE systems MI34 00</p> <hr/> <p>The miniserver simplifies "interaction" with Apple devices: iPad and iPhone. It can control up to 300 devices and 50 areas (spaces).</p>		



Master Pro Evo

KNX protocol







Inputs / Binaries

	code colour		code colour
	Key interface, 2 plus channels MI02 00 This generates an internal signal voltage that connects two conventional buttons or floating contacts as well as connecting two low current LEDs.		REG-K/4x24 binary input MI06 00 For connecting four inputs with a voltage of 24 V AC/DC. With an integrated bus coupler and life-connected terminals.
	Key interface, 4 plus channels MI03 00 This generates an internal signal voltage that connects four conventional buttons or floating contacts as well as connecting four low current LEDs.		REG-K/8x24 binary input MI07 00 For connecting eight inputs with a voltage of 24 V AC/DC.
	REG-K/4x10 binary input MI04 00 For connecting four conventional buttons or potentialfree contacts. It generates an SELV signal voltage internally that is electrically isolated by the bus.		REG-K/4x230 binary input MI08 00 For connecting four inputs with a voltage of 230 V AC. With an integrated bus coupler and life-connected terminals.
	REG-K/8x10 binary input MI05 00 For connecting eight conventional buttons or potentialfree contacts. It generates an SELV signal voltage internally that is electrically isolated by the bus.		REG-K/8x230 binary input MI09 00 For connecting eight inputs with a voltage of 230 V AC. With an integrated bus coupler and life-connected terminals.

Time / timer programmer

	code colour		code colour
	REG-K/4/324 DCF-77 annual timer MI16 00 Annual four-channel timer with a power feed unit and integrated DCF receiver. To be integrated with the DCF-77 antenna for radiocontrolled timing synchronisation. Time and date view option on the bus. The device can be programmed manually or via a PC with the appropriate software.		DCF-77 antenna MI17 00 Antenna for receiving the time via a time signal. The antenna can be connected to an annual programmer REG-K/4/324 DCF-77.

Movement / presence detectors

	code colour		code colour
	KNX ARGUS Presence Basic MI10 01 Presence detector for interiors		Recessed KNX ARGUS 180/2.20 m MI58 01 Movement detector for interiors with anti-scratch cover.
	KNX ARGUS Presence with light command and infrared receiver MI11 01 Presence detector for interiors. Thanks to the infrared receiver, the individual ARGUS Presence configurations can be changed via remote control.		Frame for recessed presence sensor KNX Argus 180/2.20 m MM30 01
	Ceiling assembly base for ARGUS Presence MI12 01		Recessed mounting base for ARGUS Presence ML15 16

Light sensors / Weather stations

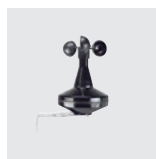


code colour

KNX light and temperature sensor

MI13 00

The sensor registers the light and temperature and transmits them to the bus. It is fitted with a temperature and a light sensor. Adapted for outer wall assembly.



code colour

Combined weather sensor with DCF-77

MI15 04

The combined weather sensor includes a wind sensor, a rainfall sensor, a dusk sensor and three light sensors (east, south and west). Plus an integrated DCF-77 receiver, a 45° adjustable antenna and integrated heating.



REG-K weather station with 4 channels

MI14 00

The weather station registers and processes analog sensor signals indicating wind speed, light, dusk, rainfall and a DCF-77 signal. It can be fitted to any combination of up to four analog sensors plus the combined DCF-77 weather sensor.

Switch actuators



code colour

FM KNX 16 A actuator with 2 inputs

MI18 00

A 1-channel actuator with two inputs for assembly in a 60 mm recessed case or in a ceiling-mounted socket with coupling. The two floating contacts can be connected to two inputs.



code colour

Switch actuator REG-K/4x230/16 with manual mode option and current detector

MI20 00

For controlling four electric loads independently. The actuator is fitted with a built-in current detector that can measure the load current on each channel. All the outputs can be commanded using manual switches.



Switch actuator REG-K/2x230/16 with manual mode option and current detector

MI19 00

For controlling two electric loads independently. The actuator is fitted with a built-in current detector that can measure current absorption on each channel. All the outputs can be commanded using manual switches.

Switch / blind actuators



code colour

Switch actuator REG-K/8x230/16 with manual mode option and current detector

MI21 00

For controlling eight electric loads independently. The actuator is fitted with a built-in current detector that can measure the load current on each channel. All the outputs can be commanded using manual switches.



code colour

REG-K/8x/16x/10 switch/blind actuator with manual mode option

MI23 00

For controlling eight blind/shutter motors independently or for switching sixteen loads via closure contacts. The blind or switch channel function can be configured as required. All the blind/switch outputs can be commanded manually using the buttons on the front of the device.



Switch actuator REG-K/12x230/16 with manual mode option and current detector

MI22 00

For controlling twelve electric loads independently. The actuator is fitted with a built-in current detector that can measure the load current on each channel. All the outputs can be commanded using manual switches.



REG-K/4x24/6 blind actuator with manual mode option

MI24 00

For controlling four blind/shutter motors independently. The blind channel function can be configured as required. All the blind outputs can be commanded manually using the buttons on the front of the device.

Master Pro Evo

KNX protocol

Dimmer



code colour

Dimmer actuator REG-K/2x230/300W

MI25 00

For controlling and adjusting incandescent lamps and electronic transformers.



code colour

0-10 V REG-K 3-pole control unit with manual mode option

MI27 00

For connecting devices with a 0-10 V KNX systems interface. With an integrated bus coupler and life terminals (230 V) or life-connected terminals (0-10 V). Each individual 230 V switch output can be controlled manually with a switch.



Universal dimmer actuator REG-K/2x230/1000W

MI26 00

For controlling and adjusting incandescent lamps and HV and LV halogen lamps using bobbin wound transformers or electronic dimmer devices.

Display and control panels



code colour

Touch panel 7"

MI33 00

The 7" touch panel is used to view and check the building's current functions and states.



code colour

Frame for 7" touch panel

MI31 01



Internal framework set for 7" touch panel

MI29 01

The set includes an internal support frame and USB cover.



Case for recessed mounting and assembly in a plasterboard wall for 7" IP touch panel

MI32 00



Aluminium frame for 7" touch panel




MI30 12

Decorative aluminium frame for 7" touch panel.





Master Pro Evo

LON protocol






System Components

	<p>code colour</p> <hr/> <p>LPS 133 power supply</p> <p>MI35 00</p> <hr/> <p>Power supply for luminaires with LPT (Link Power Transceiver)</p>		<p>code colour</p> <hr/> <p>LON button interface</p> <p>MI37 00</p>
	<p>ABL8MEM24012 power supply</p> <p>MI36 00</p> <hr/> <p>Power supply 24Vdc</p>		

Digital output

	<p>code colour</p> <hr/> <p>LON DR-N 4S-16A I/O module</p> <p>MI38 00</p> <hr/> <p>Independent switch for four load units. Four relay outputs.</p>		<p>code colour</p> <hr/> <p>LON DR-M 8S 10A I/O module</p> <p>MI40 00</p> <hr/> <p>Independent switch for eight load units. Eight relay outputs.</p>
	<p>LON DR-N 8S 10A I/O module</p> <p>MI39 00</p> <hr/> <p>Independent switch for eight load units. Eight relay outputs. Voltage supply: 24Vdc</p>		<p>DR-N MSCU4-AC I/O module</p> <p>MI41 00</p> <hr/> <p>Four blinds can be custom-controlled using standard motors with interference protection. Eight relay outputs.</p>

DALI control unit

	<p>code colour</p> <hr/> <p>Control unit LON DALI DR-S 4DIM</p> <p>MI42 00</p> <hr/> <p>Controls and powers up to 64 DALI luminaires divided into four units. Directs DALI luminaires with LNS plug-ins. Provides DALI with a 16 V voltage supply.</p>		<p>code colour</p> <hr/> <p>LON DALI DR 4x16 DIM Gateway</p> <p>MI45 00</p> <hr/> <p>Four DALI outputs for controlling up to 64 DALI luminaires for output, divided into sixteen units.</p>
	<p>Control unit LON DALI DR-S 8DIM</p> <p>MI43 00</p> <hr/> <p>Controls and powers up to 64 DALI luminaires divided into four or eight units.</p>		<p>DALI DR-N 140 power supply</p> <p>MI46 00</p> <hr/> <p>Power feeder for LON DALI REG 4x16 DIM gateway. One 24 Vcc output (max 7 W). Outputs for powering up four DALI lines (16 Vcc, 116 mA for output).</p>
	<p>Control unit LON DALI DR-S 16DIM</p> <p>MI44 00</p> <hr/> <p>Same features as the LON DALI DR-S 4DIM control unit, but this type of control unit allows 16 DALI units to be controlled.</p>		






Master Pro Evo

LON protocol

DALI multisensors

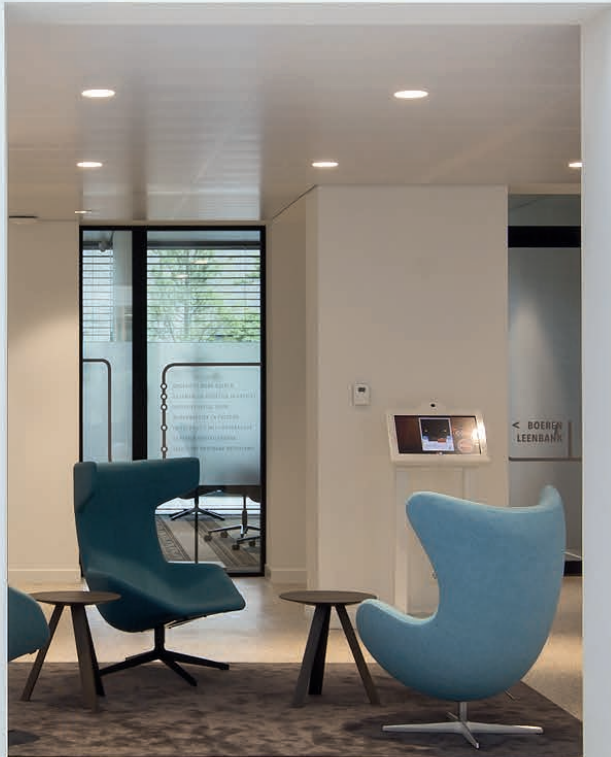
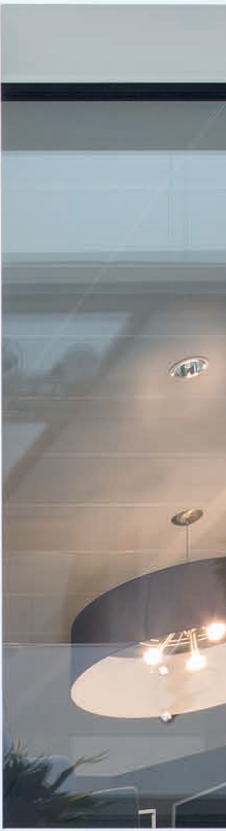
	code colour		code colour
	DALI LA-11 multi-sensor MI47 01 Presence detector and light sensor linked with a DALI interface. Adapted for a LON DALI DR-S 8DIM control unit and a DALI REG 4x16 DIM gateway item.		ILA-22 multi-sensor MI48 01 Presence detector, light sensor and IR receiver linked. The IR receiver is used to control different ambience functions (together with the IR remote control).

Dimmer outputs

	code colour		code colour
	DR-N DIM 500-UNI I/O module MI49 00 A universal dimmer for turning on/off and dimming incandescent lamps. HV and LV halogen lamps using bobbin wound transformers or electronic dimmer switches. Connected load: max 500 VA.		LON DR-M 8DI DC-P I/O module MI52 00 Luminaires connected with floating contacts. Eight inputs.
	DR-N 3DIM 1-10V I/O module MI50 00 Controls luminaires with a 1-10 V interface (controllable electronic ballasts, electronic transformers etc.) Three analog outputs (1-10 V) for dimming and three relay outputs (N.A. contact, 16 A) for on/off function. Current load (analog output): max 100 mA.		LON LT-23 AP multi-sensor MI53 00 For controlling equipment on the basis of sunlight and external temperature. Light sensor and integrated temperature detector. Light sensor field: 1 .. 65.000 Lux Temperature detector field: -20 .. +50°C
	LON DR-M 4DI I/O module MI51 00 Luminaires connected with floating contacts. Four inputs.		

Interface / Gateway

	code colour		code colour
	Web Sever MI54 00		Infrared remote control MI55 04

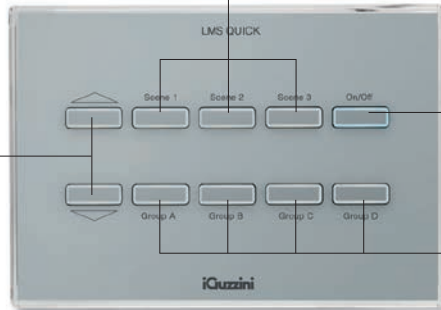


LMS Quick

design Maurizio Varratta

Retrieve scenes 1,2,3
hold down: save new scene

Adjusting keys
to increase or reduce the luminous flux
in the area



On/Off:
switch on and switch off area lighting

On/Off and adjustment of units
A,B,C,D

Features



It is an open management system that uses the DALI communication protocol to create customised flexible lighting directions while ensuring maximum energy saving. Lighting converts the space in a cosy setting where light and colour come to life and arouse emotions in a dynamic sequence of perceptive variations.

The control panel allows to select and play different light and colour scenes according to the desired effects and atmospheres.



iGuzzini infrared control (compatible with universal infrared control)



Customized cover

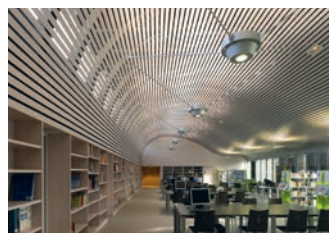


iGuzzini keypad compatible with Eurostandard and Schuko junction boxes

Split and Play

SPLIT and PLAY

Monospace open system used to manage preset scenes of white or coloured light. The system offers the possibility of choosing from 10 different presets, each one programmed with specific preset scenes and preset atmospheres and light effects designed for a particular space. A freely settable option is also available. LMS Quick is an open light management system that uses DALI communication protocol to create customised and flexible light displays that also guarantee maximum energy savings.



Open Office



Office



Meeting



Retail



Spa



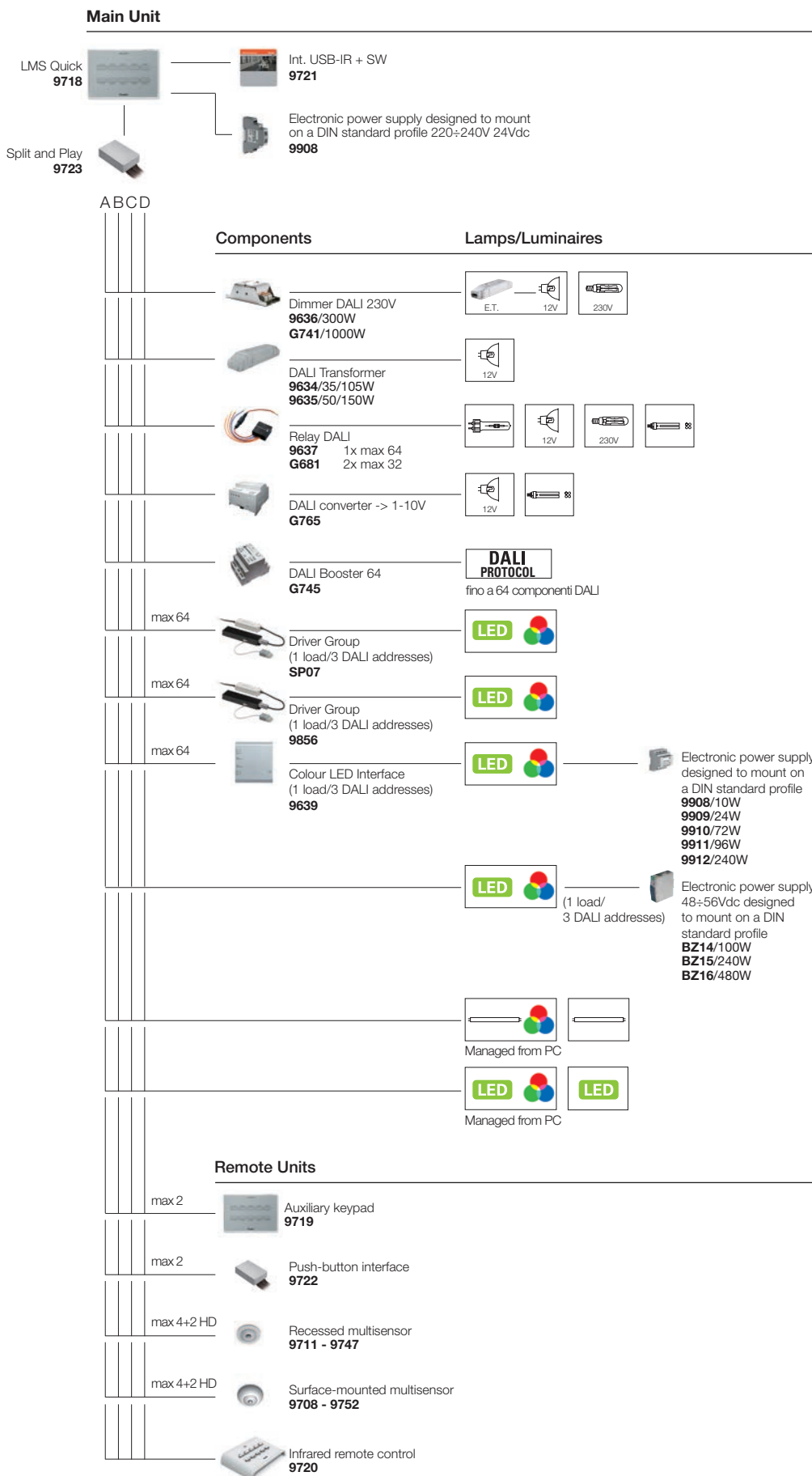
Church

Block diagram

64 DALI addresses

Used to control all luminaires with + and – keys. Used to switch on/off and control groups of light sources A, B, C and D separately and play max. 3 lighting scenes. Used to switch on/off luminaires in entire space with On/Off key. In case of at least one multisensor, lighting scene 3 will set the automatic control mode of artificial light according to daylight (energy saving). Equipped with IR receiver/transmitter to communicate with PC or infrared control. It can be reconfigured with PC and it can play max. 7 groups or 7 scenes (+, – and On/Off keys are fixed).





For the system definition, refer to the instructions.



System Components

	code colour		code colour
	45x45x16h 9723 00		DALI 12 V transformer for 35-105 W dimming 9634 00
	IR remote control 9720 01		Power: 35-105W Input voltage: 230-240 10%, +6% Vac Network frequency: 50/60Hz Output voltage: 11.6 Vac DALI load: 2mA DALI address: 1 Dimming range: 1-100% Soft-start lighting up Room temperature: Ta -10/+50°C Protection against overheating and overcharge with automatic regulation Protection against short-circuit with automatic reset Class II Occupies 1 DALI address
	DALI TR Dimmer 300 W 9636 00		DALI 12 V transformer for 50-150 W dimming 9635 00
	DALI Dimmer 100/1000 W mains voltage lamps G741 00		Power: 40-300 W (resistive load), 240 VA (inductive load) Input voltage: 230-240 -10%, +6% Vac Nominal frequency: 50/60Hz DALI load: 2mA DALI address: 1 Dimming range: 1-100% Room temperature: Ta 0-40°C Protection against overheating and short-circuit Output wires maximum length: 50 metres Built-in installation in devices or DIN track Number of DIN modules: 3 Occupies 1 DALI address
			DLC RM -1x - DALI 1X dynamic relays 4A 9637 00
			Maximum current load: 4mA Input tension: 230-240 -10%, +6% Vac Network frequency: 50/60Hz Output voltage: 230-240 Vac DALI load: 2mA DALI address: 1 Maximum load according to EN-60947 1000W for resistive load (AC1) 300VA for inductive load (AC15) 185W for monophasic engines Room temperature: Ta 0-40°C Class II Free installation

System Components

	code colour		code colour
	DALI 2X Electronic Relays 10A G681 00		DALI -> 1-10 V converter G765 00
	Maximum current: 2x10A Input voltage: 230-240 -10%, +6% Vac Nominal frequency: 50/60Hz Output voltage: 2 dry contacts DALI load: 2mA DALI address: 2 Maximum charge according to EN-60947 2500W for resistive load (AC1) 600VA for inductive load (AC15) 440W monophasic engines Room temperature: Ta 0-40°C Class II Installation on DIN track Number of DIN modules: 4 Occupies 2 DALI addresses		Maximum load: 10 A (for resistive load), 5 A (for inductive load). Input voltage: 230 +/- 10% Vac Network frequency: 50/60Hz Output signal: 1-10V Maximum number of connectable lamps: 1x18W max 30 2x18W max 20 1x36W max 30 2x36W max 20 1x58W max 20 2x58W max 10 DALI load: 2mA DALI address: 1 Dimming range: 1-100% Output wire maximum length: 100 metres Class II Installation on DIN track Number of DIN modules: 4
	DALI Booster 64. Electronic device for the expansion of DALI systems (up to 64 addresses) G745 00		Electronic power supply designed to mount on a DIN standard profile 10W 9908 00
	Input voltage: 220-240 -10%, +6% Vac Network frequency: 50/60Hz DALI load: 2mA DALI address: 1 Internal DALI supplier for 64 DALI addresses (maximum power: 128 mA). Class IP20 Number of DIN modules: 4		Input voltage: 90-260Vac Output voltage: 24+/-3%Vdc Frequency: 48/63Hz Nominal power: 10W Yield: 80% Number of DIN modules: 1

Interfaces

	code colour
	USB-IR Interface + software 9721 00
	Software for installation and configuration of lighting installation made with LMS QUICK. PC interface with IR technology and USB cable for connection with system through PC.

Buttons / Control devices



size Quick DALI (keypad whit 10 keys + built-in controller)

115x80x20h **code colour** **9718 01-15**

10-key panel to control all groups and scenes configured in the system. 1 on/off key, 2 dim keys, 4 group keys and 3 scene keys. Installation on standard 503 recessed box (not included).

Max. 7 groups/scenes.

Max. 64 DALI loads.

Max. 10 peripheral units (button interface, multisensor, auxiliary key panel).

Plug and Play solution with Split and Play device.

Reconfiguration of scene and group keys from PC.

Manages all light sources (halogen, fluorescent, incandescence, LED, discharge).

Used to control RGB lamps.

Can be customized with printed covers.

Rx/Tx IR on board.



code colour Auxiliary keypad with 10 keys

9719 01-15

10-key panel to load max. 7 groups/scenes, general dimming, and on/off. Installation on standard 503 recessed box (not included).

Can load the same functions saved in the LMS QUICK master panel during configuration.

Can be customized with printed covers.

Inputs / Binaries



code colour

Push-button interface with 8 buttons

9722 00

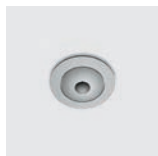
The interface inputs have the same fixed functions at replicate the functions of the master panel:

One ON/OFF button.

Four keys to load the lamp group.

Three keys to call the light scene.

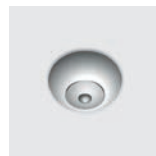
Movement / presence detectors



code colour

Recessed multisensor
IR + Lux + Human Detector **9711 01**

Recessed sensor
Lux **9747 01**



code colour

Surface-mounted multisensor
IR + Lux + Human Detector **9708 01**

Surface-mounted sensor
Lux **9752 01**

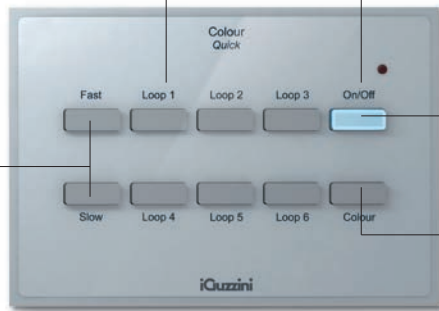


Colour Quick

design Maurizio Varratta

Colour luminous scenes allow for using 6 predefined sequences

On/off in soft mode



Buttons with luminous memory

Control buttons used to change the execution speed of the selected sequence

Selection of specific colours colour is changed at every touch for a max. of 7

Features



Intuitive and user-friendly, Colour Quick is a colour control system for LED and fluorescent RGB luminaires. It plays predefined scenes and sequences to design settings with total flexibility. Space is alive and in continuous motion, with the possibility to create customised lighting directions.

Used to attract, communicate and signal, colour highlights and valorises all settings that need a magic suggestive atmosphere. The system is automatically configured with Plug and Play technology for immediate use.



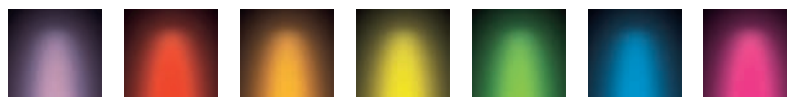
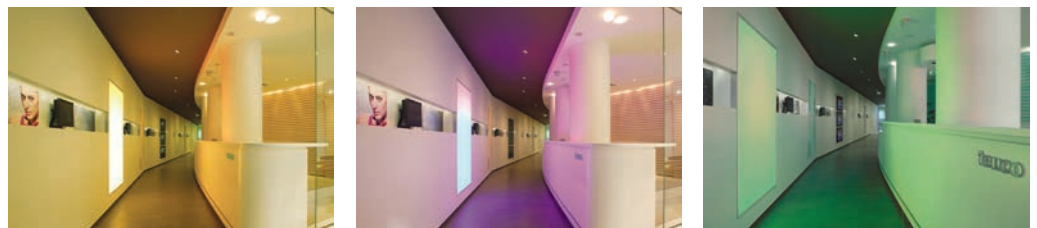
Remote control



Compatible with Eurostandard and Schuko connection boxes

Functions

The buttons with light memory are used to obtain max. 7 colour variations, 6 predefined sequences and change the speed of the selected sequences.

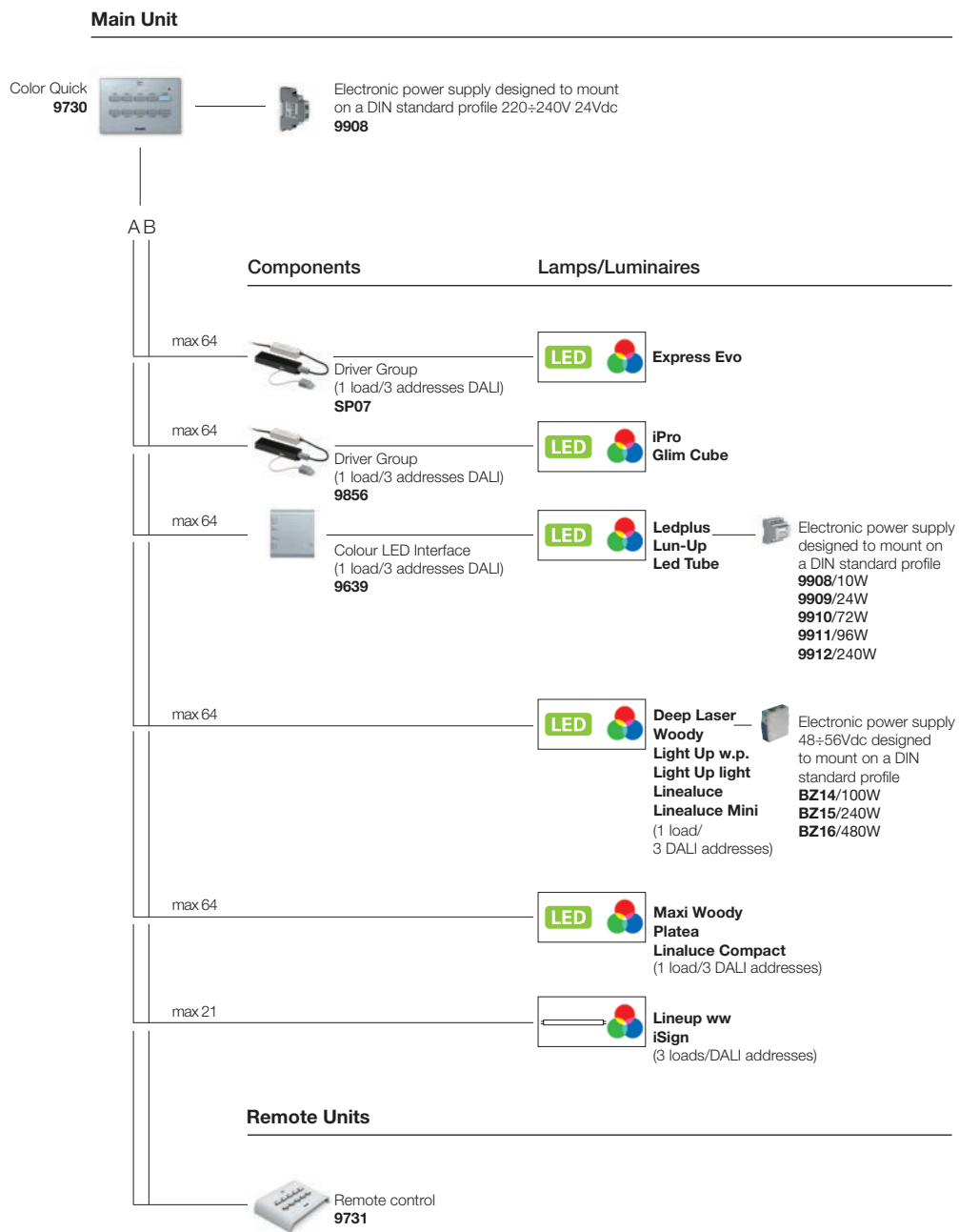


Block diagram




Max 64 DALI loads

The number of products managed by the system is determined by the ratio between the maximum permitted load (64 DALI loads) and the individual loads of each product.

For the system definition, refer to the instructions.





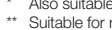


System Components

	size	code colour		code colour
	Colour Quick 115x80x20h	9730 01-15		Electronic power supply designed to mount on a DIN standard profile 10W 9908 00
	Remote control	9731 01		Input voltage: 90-260Vac Output voltage: 24+/-3%Vdc Frequency: 48/63Hz Nominal power: 10W Yield: 80% Number of DIN modules: 1

Electronic Power Supplies

Electronic transformers

	code	W output	h average operational life	guarantee	dimmer device	V output voltage	A maximum absorbed current	°C temperature test Tc	W mains dissipated power	V spike protection	electronic safety transformer	N° input terminals	N° output terminals	Kg weight	mm dimensions
	5586*	50-200	50.000/70.000	6	IGBT	11,7	0,86	+80	<10	>1800	SELV	4	8	0,345	238x50x43
	5587	50-200	30.000/45.000	4	IGBT	11,7	0,86	+80	<10	>1400	SELV	2	8	0,345	238x50x43
	5585	50-105	30.000/45.000	4	IGBT-TRIAC	11,7	0,49	+75	<4,5	>1400	SELV	2	4	0,210	178x47x34
	5584	20-60	30.000/45.000	4	IGBT-TRIAC	11,7	0,29	+70	<4	>1400	SELV	2	4	0,165	178x47x34
	5583	35-105	30.000/45.000	4	IGBT	11,6	0,49	+85	<4,5	>1400	SELV	2	2	0,130	168x48x17
	5581*	10-60	30.000/45.000	4	IGBT	11,6	0,26	+80	<4	>1400	SELV	2	2	0,120	168x48x17
	6002	20-70	20.000/25.000	3	IGBT-TRIAC	11,6	0,33	+75	<4	>1100	SELV	2	2	0,100	114x52x23
	MXG2**	105	50.000	-	IGBT-TRIAC	11,5	0,49	+80	<4	>1000	SELV	2	4	0,100	100x45x33







* Also suitable for 10W LED retrofit lamps (code L350 - L353)

** Suitable for retrofit lamps LED 7 W / 10 W / 15 W (code L350 - L353 - L355 - L356 - L357 - L358 - L378 - L379 - L380 - L381)

The electronic transformers have the following features in common:

230 V ±10% / 12 V or 240 V +6/-10% / 12V

Power factor 0,97/0,98

-  Independent electronic power supplies: can be installed separately, externally of a lighting appliance, without an additional housing.
-  Class II insulation: no earth connection required.
-  Thermally protected electronic power supplies the number within the triangle indicates the nominal maximum temperature of the casing in °C.
-  Electronic transformer suitable for installation on normally inflammable surfaces.
-  Electronic transformer suitable for installation on wood surfaces in compliance with DIN VDE 0710/14
-  Safety transformer with short circuit protection.

Ta Ambient temperature -20°+55°C

Overload protection

Active Protection

Permanent short circuit protection

Thermal protection

No load protection


CE mark

Compliance with Norm EN 61347-2-2

Compliance with Norm 55015

Soft Start lamp ignition "Soft Start"





Electronic power supplies with HIT long life

	code	W output	h average operational life	guarantee	efficiency	A maximum absorbed current	°C temperature test Tc	mm lamp cable length	min max switch-on time	N° input terminals	exit	Kg weight	mm dimensions
	G603	70	50.000/70.000	6	>90%	0,35	+70	500	20	6	lamp cable	0,400	152x87x39
	G602	35	50.000/70.000	6	>90%	0,18	+75	500	20	4	lamp cable	0,400	152x87x39

Electronic power supplies have the following features in common:

230 V ±10% / 240 V +6/-10%

Power factor >0,97

-  Independent electronic power supplies: can be installed separately, externally of a lighting appliance, without an additional housing.
-  Class II insulation: no earth connection required.
-  Thermally protected electronic power supplies the number within the triangle indicates the nominal maximum temperature of the casing in °C.
-  Electronic transformer suitable for installation on normally inflammable surfaces.

Ta Ambient temperature -20°+50°C

Active Protection

Permanent short circuit protection

Thermal protection

No load protection



grounding operational for EMC

grounding operational relaunching

CE mark

Compliance with Norm EN 61347-2-12

Electronic dimmers

	code	W output	h average operational life	guarantee	dimmer technology	feature	°C temperature test Tc	type of application	type of connection	type of command	Kg weight	mm dimensions
	G744	50-700	30.000/45.000	4	IGBT	Booster	+70	independent	terminals	via G743	0,400	212x49x46
	G743	50-700	30.000/45.000	4	IGBT	Dimmer	+70	independent	terminals	button normally open	0,400	212x49x46
	G742	60-300	30.000/45.000	4	TRIAC	Dimmer	+75	can be added	three wires	button normally open	0,200	81x43x20

The electronic dimmers and the boosters have the following features in common:

230 V ±10%

Ambient temperature 40°/45°C

Permanent short circuit protection











Thermal protection

CE mark











Compliance with Norm EN 60669-2-1

The dimmers and the boosters allow users to regulate the halogen low voltage lamp intensity with electronic transformers, 230 V incandescent lamps and halogen AV lamps. Max of 10 G744 can be connected to the G743.

























Lamps

	code	W wattage	V voltage	lm lum. flow	cd lum. intens.	lm/W lum. effic.	K colour temp.	CRF	socket	ø mm
	L280	20	230	200	/	10	2700	100	G9	14
	L281	33	230	460	/	14	2700	100	G9	14
	L282	48	230	740	/	15	2800	100	G9	14
 QT 14 ES Halogen lamp ENERGY SAVER	L283	60	230	980	/	16	2800	100	G9	14
 QT 18 Halogen lamp	L689	150	230	2400	/	15	3000	100	B15d	18
	L284	70	230	1180	/	16	2900	100	B15d	18
 QT 18 ES Halogen lamp ENERGY SAVER	L285	100	230	1800	/	17	2900	100	B15d	18
	L270	70	230	1180	/	17	2900	100	E27	32
	L271	100	230	1800	/	18	2900	100	E27	32
	L192	150	230	2870	/	19	2900	100	E27	32
 QT 32 Halogen lamp Clear ENERGY SAVER	L026	205	230	4200	/	20	2900	100	E27	32
	L321	120	230	2300	/	18	2950	100	R7s	12
	L322	160	230	3300	/	19	2950	100	R7s	12
 QT-DE 12 ES Halogen lamp ENERGY SAVER	L288	230	230	5000	/	21	2950	100	R7s	12
	L286	80	230	1450	/	18	2900	100	R7s	12
 QT-DE 12 ES Halogen lamp ENERGY SAVER (75 mm)	L287	120	230	2300	/	19	2900	100	R7s	12
	L056	22	/	1800	/	82	4000	85	2Gx13	225
	L059	22	/	1800	/	82	3000	85	2Gx13	225
	L057	40	/	3200	/	80	4000	85	2Gx13	300
	L060	40	/	3200	/	80	3000	85	2Gx13	300
	L243	55	/	4200	/	76	3000	85	2Gx13	300
 T 16-R Circular fluorescent lamp	L244	55	/	4200	/	76	4000	85	2Gx13	300
	L102	6	/	240	/	40	4000	79	G5	16
	L068	8	/	450	/	56	4000	89	G5	16
	L069	8	/	450	/	56	2700	89	G5	16
	L038	14	/	1200	/	96	4000	86	G5	16
	L039	14	/	1200	/	96	3000	86	G5	16
	L040	21	/	1900	/	100	4000	86	G5	16
	L041	21	/	1900	/	100	3000	86	G5	16
	L090	24	/	1600	/	84	6500	86	G5	16
	L120	24	/	1700	/	89	4000	86	G5	16
	L119	24	/	1700	/	89	3000	86	G5	16
	L089	24	/	1700	/	89	2700	86	G5	16
	L042	28	/	2600	/	104	4000	86	G5	16
	L043	28	/	2600	/	104	3000	86	G5	16
	L105	35	/	3050	/	97	6500	86	G5	16
	L044	35	/	3300	/	104	4000	86	G5	16
	L045	35	/	3300	/	104	3000	86	G5	16
	L104	35	/	3300	/	104	2700	86	G5	16
	L054	39	/	3100	/	90	4000	85	G5	16
	L055	39	/	3100	/	90	3000	85	G5	16
	L196	49	/	4300	/	88	2700	85	G5	16
	L197	49	/	4300	/	88	3000	85	G5	16
	L198	49	/	4300	/	88	4000	85	G5	16
	L199	49	/	4100	/	84	6500	85	G5	16
	L092	54	/	4050	/	89	6500	86	G5	16
	L001	54	/	4450	/	93	4000	86	G5	16
	L002	54	/	4450	/	93	3000	86	G5	16
	L091	54	/	4450	/	93	2700	86	G5	16
 T 16 (T5) Fluorescent lamp	L147	80	/	6150	/	88	4000	86	G5	16
	L146	80	/	6150	/	88	3000	86	G5	16
	L200	24	/	1500	/	63	red	/	G5	16
	L201	24	/	2500	/	105	green	/	G5	16
	L202	24	/	525	/	22	blue	/	G5	16
	L203	28	/	2100	/	75	red	/	G5	16
	L204	28	/	3500	/	125	green	/	G5	16
	L205	28	/	700	/	25	blue	/	G5	16
	L209	35	/	2650	/	76	red	/	G5	16
	L210	35	/	4450	/	128	green	/	G5	16
	L211	35	/	875	/	25	blue	/	G5	16
	L157	54	/	3300	/	68	red	/	G5	16
	L158	54	/	5550	/	114	green	/	G5	16
 T 16 (T5) Coloured fluorescent	L159	54	/	1150	/	24	blue	/	G5	16
	L327	14	/	1200	/	86	3000	86	G5	16
	L328	14	/	1200	/	86	4000	86	G5	16
	L329	14	/	1200	/	86	6500	86	G5	16
	L330	21	/	1900	/	90	3000	86	G5	16
	L331	21	/	1900	/	90	4000	86	G5	16
	L332	21	/	1900	/	90	6500	86	G5	16
	L294	24	/	1750	/	73	3000	86	G5	16
	L295	24	/	1750	/	73	4000	86	G5	16
	L296	24	/	1650	/	69	6500	86	G5	16
	L333	28	/	2600	/	93	3000	86	G5	16
	L334	28	/	2600	/	93	4000	86	G5	16
 T 16 (T5) Fluorescent lamp (Seamless Osram)	L335	28	/	2600	/	93	6500	86	G5	16


























Lamps

	code	W wattage	V voltage	lm lum. flow	cd lum. intens.	lm/W lum. effic.	K colour temp.	CRF	socket	ø mm
	T 16 (T5)	Fluorescent lamp (Seamless Osram)								
	L297	39	/	3100	/	79	3000	86	G5	16
	L299	39	/	3100	/	79	4000	86	G5	16
	L300	39	/	2900	/	74	6500	86	G5	16
	L302	54	/	4450	/	82	4000	86	G5	16
	L303	54	/	4450	/	82	6500	86	G5	16
	L304	54	/	4050	/	75	3000	86	G5	16
	1797	7	/	400	/	57	4000	86	G23	/
	1805	7	/	400	/	57	2700	86	G23	/
	1729	9	/	600	/	67	2700	82	G23	/
	TC-S	Fluorescent lamp								
	1730	11	/	900	/	82	2700	82	G23	/
	1798	7	/	400	/	57	4000	86	2G7	/
	1804	7	/	400	/	57	2700	86	2G7	/
	L103	11	/	900	/	82	4000	82	2G7	/
	L224	11	/	900	/	82	2700	82	2G7	/
	1771	18	/	1200	/	66	4000	85	2G11	/
	1772	18	/	1200	/	66	3000	85	2G11	/
	1773	18	/	1200	/	66	2700	85	2G11	/
	1774	24	/	1800	/	75	4000	85	2G11	/
	TC-SEL	Fluorescent lamp								
	1775	24	/	1800	/	75	3000	85	2G11	/
	1738	24	/	1800	/	75	2700	85	2G11	/
	L342	28	/	2700	/	97	3000	80	2GX11	/
	L343	28	/	2700	/	100	4000	80	2GX11	/
	1776	36	/	2900	/	80	4000	85	2G11	/
	1777	36	/	2900	/	80	3000	85	2G11	/
	1739	36	/	2900	/	80	2700	85	2G11	/
	L317	40	/	3500	/	88	3000	85	2G11	/
	L318	40	/	3500	/	88	4000	85	2G11	/
	TC-L	Fluorescent lamp								
	1791	55	/	4800	/	87	3000	85	2G11	/
	1792	55	/	4800	/	87	4000	85	2G11	/
	L007	55	/	4800	/	87	2700	85	2G11	/
	L008	55	/	3000	/	55	5400	95	2G11	/
	L149	80	/	6000	/	75	4000	95	2G11	/
	L148	80	/	6000	/	75	3000	95	2G11	/
	1740	10	/	600	/	60	2700	85	G24d-1	/
	1741	13	/	900	/	69	2700	85	G24d-1	/
	1806	13	/	900	/	69	4000	85	G24d-1	/
	TC-D	Fluorescent lamp								
	1615	18	/	1200	/	67	2700	85	G24d-2	/
	L074	18	/	1200	/	67	3000	85	G24d-2	/
	1807	18	/	1200	/	67	4000	85	G24d-2	/
	1616	26	/	1800	/	69	2700	85	G24d-3	/
	L079	26	/	1800	/	69	3000	85	G24d-3	/
	1808	26	/	1800	/	69	4000	85	G24d-3	/
	1799	13	/	900	/	69	2700	86	G24q-1	/
	L187	13	/	900	/	69	3000	86	G24q-1	/
	L144	13	/	900	/	69	4000	86	G24q-1	/
	TC-DEL	Fluorescent lamp								
	1800	18	/	1200	/	67	2700	86	G24q-2	/
	L075	18	/	1200	/	67	3000	86	G24q-2	/
	L076	18	/	1200	/	67	4000	86	G24q-2	/
	1801	26	/	1800	/	69	2700	86	G24q-3	/
	L077	26	/	1800	/	69	3000	86	G24q-3	/
	L078	26	/	1800	/	69	4000	85	G24q-3	/
	1826	26	/	1800	/	69	4000	86	GX24d-3	/
	1828	26	/	1800	/	69	3000	86	GX24d-3	/
	1829	26	/	1800	/	69	2700	86	GX24d-3	/
	TC-T	Fluorescent lamp								
	L206	13	/	900	/	72	2700	90	GX24q-1	/
	L207	13	/	900	/	72	3000	90	GX24q-1	/
	L208	13	/	900	/	72	4000	90	GX24q-1	/
	L152	18	/	1200	/	67	3000	86	GX24q-2	/
	L127	26	/	1800	/	75	2700	86	GX24q-3	/
	L128	26	/	1800	/	75	3000	86	GX24q-3	/
	L129	26	/	1800	/	75	4000	86	GX24q-3	/
	1762	32	/	2400	/	75	4000	86	GX24q-3	/
	1763	32	/	2400	/	75	3000	86	GX24q-3	/
	TC-TEL	Fluorescent lamp								
	1764	32	/	2400	/	75	2700	86	GX24q-3	/
	1652	42	/	3200	/	76	4000	86	GX24q-4	/
	1673	42	/	3200	/	76	3000	86	GX24q-4	/
	1686	42	/	3200	/	76	2700	86	GX24q-4	/
	L121	57	/	4300	/	75	2700	86	GX24q-5	/
	L122	57	/	4300	/	75	3000	86	GX24q-5	/
	L123	57	/	4300	/	75	4000	86	GX24q-5	/
	L217	14	/	1200	/	86	3000	82	GR14q-1	41
	L218	14	/	1200	/	86	4000	82	GR14q-1	41
	TC-TEL	Fluorescent lamp (Philips PL-R)								
	L219	17	/	1500	/	88	3000	82	GR14q-1	41
L220	17	/	1500	/	88	4000	82	GR14q-1	41	
	TC-DSE	Electronic fluorescent								
L065	8	/	400	/	50	2700	82	E14	40	

Lamps

			code	W wattage	V voltage	lm lum. flow	cd lum. intens.	lm/W lum. effic.	K colour temp.	CRF	socket	ø mm
			L268	14	/	750	/	54	2500	82	E27	43
			L269	14	/	750	/	54	4000	82	E27	43
			L155	20	/	1200	/	60	4000	82	E27	43
			L066	22	/	1440	/	65	4000	82	E27	43
			L191	23	/	1500	/	63	2700	82	E27	43
	TC-TSE	Electronic fluorescent	L185	30	/	1900	/	63	4000	82	E27	43
			L305	11	/	640	/	58	2500	80	E27	43
	TC-TSE	Electronic fluorescent (Osram)	L306	11	/	640	/	58	4000	80	E27	43
	TC-TEL	Fluorescent lamp (Philips PL-E)	L231	33	/	2250	/	65	2700	82	E27	/
			L232	33	/	2150	/	64	6500	76	E27	/
			1704	50	/	1600	/	32	3000	69	E27	55
			1705	50	/	1800	/	36	4200	69	E27	55
			1708	80	/	3400	/	39	3000	69	E27	70
			1706	80	/	3800	/	46	4100	69	E27	70
			1707	125	/	5700	/	50	4000	69	E27	75
	HME	H.P. mercury lamp	1743	250	/	13000	/	52	3900	69	E40	90
			1783	400	/	22000	/	55	3800	50	E40	120
			1770	75	/	5500	/	73	4300	85	Rx7s	20
			1744	75	/	5000	/	67	3000	80	Rx7s	20
			1745	150	/	11250	/	75	4300	85	Rx7s	23
	HIT-DE	Metal halide lamp	1784	150	/	11000	/	75	3000	80	Rx7s	23
			1626	70	/	6200	/	93	3000	75	Rx7s	21
			L063	70	/	5700	/	86	4200	80	Rx7s	22
			1631	150	/	13800	/	92	3000	75	Rx7s	25
	HIT-DE-CE	Metal halide lamp (Mastercolour Philips)	L064	150	/	12900	/	86	4200	85	Rx7s	25
			L235	50	/	4150	/	88	2800	80	E27	32
			L087	70	/	6300	/	88	2800	83	E27	32
			L124	100	/	8800	/	91	2800	83	E40	46
	HIT-CE	Metal halide lamp (Philips CDO-TT)	L073	150	/	13500	/	92	2800	85	E40	46
			L341	250	/	22500	/	92	2800	85	E40	46
	HIT	Metal halide lamp (Osram)	1778	250	/	20000	/	80	5300	95	E40	46
			1779	400	/	32000	/	80	5200	95	E40	46
	HIT	Metal halide lamp (Philips)	L156	400	/	35000	/	90	4300	65	E40	47
			L377	250	/	25000	/	100	4200	90	E40	48
	HIT	Metal halide lamp (G.E.)	L081	250	/	25000	/	100	3000	86	E40	48
	HIT	Metal halide lamp (BLV TOP FLOOD)	L082	400	/	25000	/	69	5200	85	E40	46
			1802	250	/	20000	/	80	3200	80	Fc2	62
	HIT-DE	Metal halide lamp	1786	250	/	20000	/	80	4200	86	Fc2	25
	HIT-DE	Metal halide lamp (Osram HQI-TS/D)	1796	400	/	31000	/	80	5600	90	Fc2	31
			L160	20	/	1650	/	75	3000	85	PGJ5	17
	HIT-CE	Metal halide lamp (Mastercolour Philips CDM-Tm)	L223	35	/	3000	/	77	3000	90	PGJ5	17
			L363	600	/	58000	/	94	6000	90	G22	34
	HIT-CE	Metal halide lamp (Osram Powerstar)	L359	1000	/	97000	/	97	6000	90	G22	38
			L193	35	/	3600	/	95	3000	83	G12	19
			L289	35	/	3500	/	92	4200	90	G12	19
			L194	70	/	7300	/	100	3000	88	G12	19
			L337	70	/	6800	/	93	4200	94	G12	19
			L340	100	/	9500	/	99	3000	86	G12	19
			L339	100	/	9300	/	97	4200	94	G12	19
			L195	150	/	15000	/	106	3000	88	G12	25
	HIT-CE	Metal halide lamp (Powerball HCI-T Osram)	L338	150	/	14500	/	99	4200	96	G12	25
			1768	35	/	3300	/	77	3000	81	G12	20
			L290	35	/	3300	/	81	4200	84	G12	20
			1769	70	/	6600	/	94	3000	81	G12	20
			L061	70	/	6600	/	94	4200	96	G12	20
			1619	150	/	14000	/	94	3000	85	G12	20
			L062	150	/	12700	/	85	4200	96	G12	20
	HIT-CE	Metal halide lamp (Mastercolour Philips CDM-T)	L170	250	/	23000	/	94	3000	89	G12	23
			L071	70	/	5600	/	75	4200	/	G12	23
	HIT	Metal halide lamp (BLV)	L070	70	/	6000	/	71	3000	/	G12	23
			L237	35	/	3500	/	100	3000	90	G12	20
			L344	50	/	5400	/	108	3000	90	G12	20
			L238	70	/	7300	/	104	3000	90	G12	20
			L345	100	/	11000	/	110	3000	90	G12	20
	HIT-CE	Metal halide lamp (Mastercolour Philips CDM-T Elite)	L239	150	/	15000	/	100	3000	90	G12	20
	HIT-CE	Metal halide lamp (constant color CMH-GE)	L225	20	/	1650	/	82	3000	80	G12	20
			1676	70	/	5200	/	74	3000	80	G12	25
	HIT	Metal halide lamp (Osram)	1677	150	/	13000	/	80	3000	80	G12	25
			L266	210	/	24200	/	115	3000	90	PGZ18	28
	HIT-CE	Metal halide lamp (Mastercolour Philips CDM-T Elite MW)	L267	315	/	37800	/	120	3000	90	PGZ18	28
			L212	20	/	1700	/	85	3000	82	G8,5	15
			L213	35	/	3400	/	92	3000	82	G8,5	15
	HIT-CE	Metal halide lamp (Powerball HCI-TC Osram)	L291	35	/	3400	/	92	4200	90	G8,5	15
	HIT-TC-CE	Metal halide lamp (constant color CMH-GE) (CDM-TC)	L072	20	/	1650	/	83	3000	80	G8,5	14

Lamps

				code	W wattage	V voltage	lm lum. flow	cd lum. intens.	lm/W lum. effic.	K colour temp.	CRF	socket	ø mm
				L052	35	/	3300	/	87	3000	81	G8,5	14
				L292	35	/	3300	/	87	4200	90	G8,5	14
	HIT-TC-CE	Metal halide lamp (Mastercolour Philips CDM-TC)		L053	70	/	6600	/	93	3000	83	G8,5	14
				L181	60	/	6600	/	120	2850	70	PGZ12	19
				L336	90	/	10450	/	116	2750	66	PGZ12	19
	HIT-CE	H.P. metal halide lamp (Philips CPO-TW)		L171	140	/	16500	/	120	2850	70	PGZ12	19
				L240	35	/	3500	/	100	3000	90	G8,5	14
				L346	50	/	5400	/	108	3000	90	G8,5	14
	HIT-CE	Metal halide lamp (Mastercolour Philips CDM-TC Elite)		L241	70	/	7300	/	104	3000	90	G8,5	15
	HIT-CE	Metal halide lamp (Mastercolour Philips CDM-Tm Mini)		L325	20	/	1800	/	90	3000	84	GU6,5	13
				L226	20	/	1700	/	85	3000	85	GU6,5	13
	HIT-CE	Metal halide lamp (Powerball HCI-TF Osram)		L326	35	/	3400	/	87	3000	90	GU6,5	13
				L324	20	/	1615	/	81	3000	81	GU6,5	13
				L313	35	/	3400	/	97	3000	88	GU6,5	13
	HIT-CE	Metal halide lamp (constant color CMH-GE)		L314	35	/	3400	/	97	4000	90	GU6,5	13
				L162	35	/	1400	35000	40	3000	81	GX8,5	111
				L163	35	/	1600	8500	45	3000	81	GX8,5	111
				L164	35	/	1800	4000	51	3000	81	GX8,5	111
				L165	70	/	2850	50000	41	2900	84	GX8,5	111
	HIR-111-CE	Metal halide lamp (Mastercolour Philips CDM-R111) α 10°		L166	70	/	2850	15000	41	2900	84	GX8,5	111
				L167	70	/	2850	9000	41	2900	84	GX8,5	111
				L018	70	/	4900	/	70	3800	85	E27	54
				L019	100	/	8000	/	80	3800	85	E27	54
		Clear (HIE/C)*		L020	150	/	12500	/	83	3000	85	E27	54
				L084	70	/	4900	/	70	3800	85	E27	54
	HIE	Metal halide lamp (Osram) Acid etched (HIE/M)		1746	250	/	19000	/	76	6000	85	E40	90
				L024	400	/	32000	/	76	5200	90	E40	120
	HIE	Metal halide lamp (Osram) Acid etched (HQI-E)		L173	150	/	10500	/	70	3800	86	E27	55
				L085	150	/	13000	/	86	4000	85	E27	54
	HIE	Metal halide lamp (Sylvania) Clear (HIE/C)*		L086	150	/	12500	/	83	4000	85	E27	54
				L088	70	/	5600	/	79	2800	78	E27	70
				L125	100	/	8300	/	87	2800	80	E40	75
	HIE-CE	Metal halide lamp (Philips CDO-ET)		L126	150	/	12500	/	86	2800	82	E40	90
	HI-PAR 20-CE	Metal halide lamp (Mastercolour Philips) α 10°		L051	35	/	2000	23000	/	3000	81	E27	65
				L009	35	/	2200	44000	97	3000	81	E27	97
				L010	35	/	2200	7400	97	3000	81	E27	97
	HI-PAR 30-CE	Metal halide lamp (Mastercolour Philips) α 30°		L011	70	/	4850	68000	91	3000	83	E27	97
				L012	70	/	4850	10000	91	3000	83	E27	97
				L372	35	/	/	2400	/	3000	90	GX10	51
	HI-PAR 51	Metal halide lamp (CDM-Rm Elite Philips) α 10°		L183	35	/	/	2400	/	3000	90	GX10	51
				L184	35	/	/	2400	/	3000	90	GX10	51
				L260	20	/	/	9000	/	3000	81	GX10	51
				L261	20	/	/	2900	/	3000	81	GX10	51
				L262	20	/	/	1500	/	3000	81	GX10	51
				L263	35	/	/	16000	/	3000	90	GX10	51
	HI-PAR 51-CE	Metal halide lamp (constant color CMH MR16-GE) α 12°		L264	35	/	/	5500	/	3000	90	GX10	51
				L265	35	/	/	3000	/	3000	90	GX10	51
				1765	70	/	7000	/	100	2000	25	Rx7s	20
	HST-DE	H.P. sodium lamp		1793	150	/	15000	/	100	2000	35	Rx7s	23
				1794	250	/	25500	/	102	2000	35	Fc2	23
	HST-DE	H.P. sodium lamp		1795	400	/	48000	/	120	2000	35	Fc2	23
				1640	35	/	1300	/	40	2500	80	PG12-1	31
				1641	50	/	2300	/	44	2500	80	PG12-1	31
	HST	H.P. sodium lamp (Philips SDW-T)		1601	100	/	5000	/	47	2500	80	PG12-1	31
				L168	50	/	2400	/	48	2550	81	GX12-1	20
	HST	H.P. sodium lamp (Mini WhiteSON Philips SDW-TG)		L169	100	/	4900	/	49	2550	83	GX12-1	20
				L021	50	/	4400	/	80	2000	25	E27	37
				L022	70	/	6000	/	93	2000	25	E27	37
				L048	100	/	10000	/	100	2000	25	E40	46
				1780	150	/	14500	/	96	2000	25	E40	46
				1781	250	/	27000	/	108	2000	25	E40	46
	HST	H.P. sodium lamp		1782	400	/	48000	/	120	2000	25	E40	46
	HST	H.P. sodium lamp (Philips SON-T PIA Plus)		L236	50	/	4400	/	88	2000	25	E27	38
				1702	50	/	3500	/	70	2000	40	E27	70
				1700	70	/	5600	/	84	2000	40	E27	70
				1617	100	/	9500	/	95	2000	20	E40	75
				1701	150	/	14000	/	103	2000	40	E40	90
	HSE	H.P. sodium lamp		1684	250	/	25000	/	100	2000	40	E40	90
				1703	400	/	47000	/	118	2000	40	E40	120
	HME-SB	Blended light		1735	100	/	1100	/	11	3600	69	E27	75
				1736	160	/	3100	/	19	3600	69	E27	75
				-	85	230	6000	/	70	4000	80	/	111
	Q.L.	Induction		-	85	230	6000	/	70	2700	80	/	111

Light source data is for reference use only. For official data, refer to the relevant lamp manufacturers data

Code/page reference

code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg
0043	655-656	0.08	1265	388	1.45	1264	410-423-446		2600	567	0.11	2952	152	1.47
0044	656		1271	370-383-458			454-458		2601	567	0.11	2954	152	
0045	654-656	0.07	1272	370-383-458		1544	370-389-397-403	102.00	2604	567	0.11	2955	152	1.06
0225	558	0.02	1274	423-458	119.35		410-423-446		2606	565	0.19	2957	152	1.60
0227	458-459-460-461	0.05	1275	374-383-389-397	29.00		454-460		2611	567	0.29	2958	152	1.18
0245	556-558	0.01		403-427-433-461		1545	370-397-410-423	152.00	2612	567	0.29	2959	153	1.93
0246	458-459-460	0.08	1278	374-383-389-397	39.00		446-454-460		2620	565	0.25	2961	153	2.82
	462-463-464			403-427-433-461		1546	370-397-410-423	163.50	2628	565	0.95	2962	153	2.01
0453	458-461-463	5.60	1281	374-389-397-403	56.00		446-460		2633	565	1.05	2963	153	2.80
	464-465			427-433-461		1547	370-397-410-423	162.80	2635	565	1.20	2965	153	3.88
0455	620-622	2.35	1282	374-389-397-403	76.90		446-454-460		2640	565	1.30	2966	153	3.12
0456	538	0.39		427-461		1548	370-397-410-423	174.30	2660	155	0.48	2967	153	2.80
0509	291	0.19	1283	374-389-397-403	61.90		446-460		2661	155	0.74	2992	157	
1106	98			427-433-461		1552	370-397-410-423	212.00	2662	155	0.68	2993	157	
1111	98	0.02	1284	374-389-397-403	104.30		446-460		2664	155	0.62	2994	157	
1128	414	1.69		427-461		1554	370-397-410-423	222.00	2665	155	0.78	2995	157	
1129	414	1.45	1287	438-446-454-458	96.80		446-460		2666	155	1.15	2996	157	
1144	388	2.80	1288	446-454-460	152.00	1566	397-403-410	103.40	2667	155	1.18	2997	157	
1145	388	4.35	1289	438-458	92.70		423-463		2669	155	0.97	2998	154-157	
1146	388	5.00	1290	460	162.80	1570	397-403-410	168.40	2670	155	1.10	2999	154-157	0.06
1147	388	8.15	1291	423-446-454-458	51.60		423-463		2672	155	1.51	3040	256	4.89
1149	388	2.50	1292	423-446-454-458	55.00	1585	397-403-410		2674	155	1.34	3041	256	4.89
1154	516-642	0.09	1344	370-374-383-389	49.00		423-463		2675	155	1.05	3042	256	4.89
1158	533	0.31		397-403-423		1588	397-403-410		2677	155	1.58	3051	211	1.56
1159	533	0.47		427-458			423-463		2678	155	1.17	3052	211	2.20
1160	533	0.88	1506	397-403-410		1597	370-389-397-403	91.00	2679	156	1.91	3125	291	14.90
1164	460-465	13.20		423-462			410-423-446		2681	156	2.80	3126	291	15.45
1165	459-460-461-462	11.28	1507	397-403-410	94.00		454-460		2682	156	1.99	3127	291	15.00
	463-464-465			423-462		1598	370-389-397-403	111.00	2683	156	2.77	3128	291	15.55
1168	458-461	4.25	1508	397-403-410			410-423-446		2685	156	3.67	3151	176	1.26
1170	538	0.95		423-462			454-460		2686	156	3.22	3152	176	1.43
1171	538	1.15	1509	397-403-410	90.00	1599	370-389-397-403	133.00	2687	156	2.84	3153	176	1.68
1172	538	0.50		423-462			410-423-446		2689	152	0.46	3160	176	3.10
1173	538	2.30	1511	397-403-410			454-460		2690	152	0.72	3161	176	3.10
1175	538	1.18		423-463		1841	465		2691	152	0.66	3184	211	3.06
1177	536-538	0.56	1515	397-403-410		1842	465		2693	152	0.60	3186	246	3.13
1180	585	0.14		423-463		1843	465		2694	152	0.74	3187	246	2.93
1181	524-551	0.04	1518	370-374-383-397	51.00	1850	465		2695	152	1.11	3190	246	2.93
1182	524	0.04		403-423-427-459		1862	458-459-460	0.38	2696	152	1.16	3191	246	3.13
1183	524-526	0.27	1519	370-374-397-403	72.00		461-465		2698	152	0.94	3192	246	3.77
1184	524-526	0.36		423-427-459		1863	458-459-460-462	0.40	2728	211	3.53	3193	246	3.17
1185	526	0.10	1520	374-397-403-423	80.00		463-464-465		2729	211	1.73	3194	246	2.96
1186	526	0.10		427-459		1864	458-461-465	0.20	2730	211	2.50	3197	246	2.96
1187	524-526	0.20	1521	370-374-383-397	78.00	1865	458-459-460	0.38	2918	246	0.12	3198	246	3.17
1188	524	0.21		403-423-427-459			461-465		2919	246	0.21	3199	246	3.81
1189	524	0.19	1522	370-374-397-403	87.00	1871	465	4.02	2920	246	0.20	3231	175	0.98
1190	382-524-526-594	0.26		423-427-459		1872	465	10.10	2921	246	0.25	3232	175	1.15
1191	115-119-123-144	0.05	1523	374-397-403	118.00	1880	438-446-454	0.30	2922	246	0.63	3233	175	1.40
	149-189			423-427-459		1902	556-558	0.07	2923	246	0.79	3236	175	1.30
1192	123	0.12	1530	414-464		1904	556-558	0.05	2924	246	0.16	3252	175	2.82
1195	533	0.55	1531	414-464		1905	558	0.15	2925	246	0.50	3253	175	2.82
1196	533	0.82	1532	414-464		1906	558	0.28	2926	246	0.79	3255	243	6.25
1197	533	1.49	1533	414-464		1908	558	0.17	2931	187-201	0.09	3257	243	5.25
1199	311	0.03	1534	414-464		1909	397-403-410	128.00	2932	187	0.13	3259	243	5.25
1203	374-389-423-458	39.20	1535	414-464	181.60		423-463		2933	187-201	0.04	3300	107	1.14
1205	370-374-383-389	42.60	1536	414-464		1910	397-403-410	193.00	2934	187	0.10	3301	107	1.22
	397-403-423-427		1537	414-464			423-463		2935	187-201	0.04	3302	107	1.06
	446-454-458		1538	414-464		2510	377-458		2943	187	0.10	3303	107	1.22
1229	311	0.15	1539	414-464		2512	377-458	42.60	2944	187-201	0.03	3304	107	1.23
1234	311	0.29	1540	414-464		2514	377-459	51.00	2945	187-201	0.04	3305	107	1.22
1236	311	0.55	1541	414-464	190.30	2516	377-459	61.00	2946	187	0.10	3306	107	1.09
1240	311		1542	370-389-397-403	66.00	2517	377-460	80.00	2947	187-201	0.03	3343	107	1.01
1262	388	1.73		410-423-446		2518	377-459	72.00	2948	187-201	0.04	3344	107	1.02
1263	388	2.80		454-458		2520	377-459		2949	187	0.10	3345	107	1.07
1264	388	1.90	1543	370-389-397-403	78.00	2521	377-460		2950	152	1.05	3346	107	1.07

Code/page reference

code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg
3347	107	1.02	4334	293		4659	121	0.59	5280	314		5518	495	0.07
3348	107	1.02	4337	293	6.95	4660	121	0.59	5281	314		5519	495	0.09
3349	107	0.82	4338	293	7.80	4661	121	0.59	5282	314		5520	495	0.07
3359	107	2.95	4343	293	15.00	4662	121	0.59	5283	314		5521	495	0.10
3360	107	3.04	4348	293		4663	104	1.09	5284	314		5522	495	0.14
3371	243	5.90	4350	293		4664	104	1.09	5285	314		5523	495	0.18
3372	243	6.90	4353	293		4826	174	1.95	5342	316	2.10	5524	495	0.04
3377	243	6.25	4354	293		4827	174	1.95	5343	316	3.20	5525	495	0.06
3378	243	5.25	4424	293		4870	174	0.70	5344	316	0.90	5526	495	0.07
3393	243	5.90	4432	293	17.85	4871	174	0.78	5353	316	1.67	5527	495	0.09
3394	243	6.90	4437	94-101-123-149	0.38	4872	174	0.98	5354	316	2.50	5554	495	0.08
3395	243	6.25		154-157		4900	175	0.86	5400	316	3.40	5561	495	0.14
3396	243	5.25	4442	293	1.80	4901	175	1.26	5401	316	4.80	5568	311	
3595	107	1.01	4447	293	0.55	4923	175	2.23	5423	311	1.35	5570	486-495	0.12
3598	107	1.05	4449	293	0.71	4924	175	2.23	5424	311	1.00	5571	486-495	0.22
3864	107	1.25	4450	293	0.14	5006	318	3.10	5426	311	1.35	5572	495	0.26
3865	107	1.26	4451	293	0.14	5007	318	3.30	5428	311	1.35	5573	495	0.50
3866	107	1.10	4455	293	0.14	5014	316	0.77	5430	311	1.35	5576	486-495	0.55
3867	107	1.33	4456	293	0.14	5015	316	0.77	5435	311	1.74	5577	486-495	1.00
3868	107	1.34	4457	291		5018	234	2.64	5436	311	1.79	5578	486-495	0.80
3869	107	1.26	4458	291		5019	234	2.64	5437	311	1.96	5581	94-98-101-123	0.10
3870	107	1.13	4459	291	0.80	5020	234	3.43	5438	311	2.01		127-129-133-138	
3907	107	1.05	4461	288	0.70	5030	316	2.12	5439	311	1.33		140-149-154-157	
3908	107	1.06	4462	293	0.10	5031	316	2.12	5444	311	1.74	5583	94-98-101-123	0.12
3909	107	1.11	4465	94-101-104-115-123	0.60	5096	316	2.17	5445	311	1.79		127-129-133-138	
3910	107	1.11	4466	94-101-115-123	0.59	5099	316	1.45	5446	311	1.96		140-149-154-157	
3911	107	1.06		149-154-157		5145	212	3.75	5447	311	2.01	5584	94-98-101-123	0.15
3912	107	1.06	4467	94-101-104-115	0.40	5146	212	4.90	5452	311	1.74		127-129-133-138	
3913	107	1.11		123-149-154-157		5152	256	2.64	5453	311	1.79		140-149-154-157	
3923	107	2.99	4468	94-101-123-149	1.45	5153	256	2.72	5454	311	1.96	5585	94-98-101-123	0.20
3924	107	3.08		154-157		5154	256	3.59	5455	311	2.01		127-129-133-138	
3927	104	0.90	4469	94-101-104-123	1.70	5155	256	2.80	5460	311	1.74		140-149-154-157	
3928	104	0.90		149-154-157		5179	212	2.40	5461	311	1.79	5586	94-98-101-123	0.36
3929	104	0.90	4470	94-101-104-123	2.55	5180	212	4.10	5462	311	1.96		127-129-133-138	
3930	104	0.90	4471	94-101-123-149	1.45	5181	212	2.10	5463	311	2.01		140-149-154-157	
4244	147	1.70		154-157		5182	212	2.70	5474	303	0.80	5587	94-98-101-123	0.36
4245	147	1.70	4472	94-101-104-123	1.70	5187	233	11.96	5475	303	0.85		127-129-133-138	
4247	148	2.80		149-154-157		5188	233	9.82	5476	303	0.70		140-149-154-157	
4248	148	3.04	4473	94-101-104-123	2.55	5189	233	11.96	5479	303		5588	495	0.06
4250	148	3.78	4474	123	1.55	5190	233	9.82	5480	303		5589	495	0.57
4251	148	3.75	4475	123	1.50	5192	234		5481	303		5590	495	0.70
4252	148	3.25	4476	123	1.95	5193	234		5482	303		5591	495	0.80
4253	148	3.50	4491	115-119-123	0.03	5194	234		5483	303		5594	495	0.04
4254	148	3.50	4492	377-585-652	0.24	5195	234		5484	303		5595	382-594	0.05
4264	121	0.39	4493	377-585-652	0.20	5203	314	0.36	5485	303		5596	594	0.36
4265	121	0.39	4494	123	0.03	5204	314	0.49	5487	304		5614	437-531	7.60
4266	122	0.99	4495	123	0.09	5205	314	0.63	5488	304		5615	432-438	4.95
4267	122	1.03	4496	123	0.04	5206	314	0.73	5489	304		5616	437-531	7.20
4268	122	1.13	4497	115-119-123	0.04	5207	314		5490	304		5617	432-438	5.70
4269	122	1.13	4498	123	0.10	5208	314		5495	303		5618	532	10.30
4270	122	0.50	4577	256		5225	314	0.06	5496	303		5619	432	7.40
4271	122	0.83	4578	256		5226	314	0.07	5497	304		5620	532	8.50
4272	122	1.15	4579	256		5229	314		5498	311		5621	432	7.00
4273	122	1.15	4580	234	13.40	5230	314		5499	311		5622	532	17.20
4274	122	1.00	4581	234	13.40	5231	314		5500	311		5623	532	17.20
4275	122	1.00	4582	234	13.40	5232	314		5504	495-498		5624	532	17.20
4276	122	1.23	4583	234	13.40	5235	316	0.95	5505	495-498	0.01	5650	437-531	7.60
4278	122	0.88	4584	234	13.40	5236	316	2.00	5506	495-498	0.01	5651	437-531	7.60
4279	122	0.88	4585	234	13.40	5238	316	1.70	5507	495-498	0.01	5652	437-531	7.60
4300	293		4586	234	13.40	5239	316	3.30	5508	495	0.07	5653	437-531	7.60
4302	293		4587	234	13.40	5240	316	3.70	5509	495	0.10	5654	437-531	7.60
4305	293		4588	234	13.40	5242	316	2.85	5510	495	0.13	5658	532	10.30
4306	293		4589	234		5243	316	5.30	5511	495	0.17	5659	402-532	10.30
4327	293		4590	234		5278	314		5516	495	0.04	5660	532	10.30
4332	293		4658	122	1.15	5279	314		5517	495	0.06	5666	532	10.30

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code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg
5667	532	17.20	5933	613	0.83	6087	223		6175	532		6346	186	1.18
5668	532	17.20	5935	560	1.70	6088	223		6176	533		6347	186	1.00
5669	532	17.20	5937	533	0.36	6089	223		6177	524		6348	186	1.00
5670	532	17.20	5938	533	0.52	6090	223		6178	524		6350	186	1.39
5671	532	20.20	5939	533	0.85	6091	215	0.25	6179	524		6430	186	1.39
5672	532	20.20	5940	533	0.40	6092	215	0.07	6180	524		6475	200	0.73
5673	532	20.20	5941	533	0.50	6093	223	0.50	6181	526		6482	200	1.25
5674	532	20.20	5942	533	0.80	6095	108	0.17	6182	526		6483	200	1.25
5676	432-438	4.95	5943	533	0.38	6096	108	0.47	6183	526		6485	200	1.38
5683	432	7.40	5944	533	0.54	6097	223		6184	526		6486	200	1.38
5684	437-531	7.60	5945	533	0.80	6098	223		6185	526		6487	200	1.40
5685	432-438	7.60	5949	532	0.01	6107	433	4.90	6186	533		6488	200	1.40
5686	635	5.31	5951	532	1.90	6108	433	6.70	6187	533		6600	251	4.68
5687	635	5.21	5952	533	0.14	6109	433	3.20	6188	533		6601	251	4.26
5688	635	4.89	5953	533	0.26	6110	433	2.75	6189	533		6602	251	4.68
5689	635	5.62	5954	533	0.72	6111	445-453-532	0.95	6190	533		6605	251	4.68
5690	635	5.53	5956	437	21.70	6112	445-453-532	1.00	6191	533		6606	251	4.26
5800	281	2.42	5958	438	17.24	6113	445-453	2.45	6192	533		6608	251	4.37
5801	281	3.05	5960	438	12.68	6114	445-453	4.40	6193	533		6609	251	4.84
5802	281	2.58	5981	433	4.90	6115	445-453	0.60	6194	533		6612	251	4.84
5803	281	3.05	5982	433	6.70	6116	445-453	2.35	6231	275	6.80	6613	251	4.37
5806	281	2.58	5983	433	3.20	6117	445-453	4.30	6232	275	6.90	6615	251	4.87
5807	281	3.05	5984	433	2.75	6118	445-453	0.55	6233	275	6.80	6616	251	4.07
5808	281	2.02	5985	433	5.35	6119	445-453	0.10	6234	275	6.80	6618	251	2.14
5810	281	2.13	5987	433	8.10	6120	422	1.70	6235	275	7.30	6619	251	2.13
5813	281	4.57	5989	433	13.40	6121	422	1.64	6236	275	7.20	6620	251	2.13
5814	281	3.49	5994	433	3.20	6122	422	3.70	6237	275	7.30	6621	251	3.33
5815	281	2.87	5997	556	0.59	6123	422	4.54	6238	275	7.20	6622	251	3.33
5816	281	3.49	5998	556	1.21	6130	422	8.90	6239	275	7.30	6623	251	3.33
5817	281	2.87	6000	215	0.01	6131	422	13.80	6240	275	7.60	6624	251	1.80
5818	281	2.87	6001	215	0.02	6132	422	2.17	6241	275	6.90	6625	251	2.70
5819	281	3.49	6012	445-453-532	1.55	6134	374-396-402-427	1.22	6242	275	7.00	6626	251	5.35
5820	281	2.87	6013	445-453-532	1.60	6135	422	13.52	6243	275	7.00	6627	251	6.70
5821	281	3.45	6014	446-454-517-532	6.25	6136	531	4.57	6244	275	6.90	6647	217	2.62
5823	281	3.02	6015	446-454-517-532	9.45	6137	432-531	4.57	6245	275	7.00	6648	217	3.25
5824	281	3.68	6016	108	0.09	6138	432-531	4.57	6246	275	6.90	6649	217	4.87
5825	281	3.66	6017	108	0.09	6139	432-531	4.57	6247	275	7.40	6650	217	6.49
5826	281	3.03	6020	108	0.10	6140	531	4.57	6248	275	7.80	6651	217	4.23
5827	281	3.02	6021	108	0.10	6141	432-531	4.57	6249	275	7.50	6652	217	6.00
5828	281	3.68	6024	89-91-104-108	1.10	6142	432-531	4.57	6250	275	7.20	6654	217	4.23
5829	281	3.66	6025	89-108	1.05	6143	432-531	4.57	6251	275	7.50	6657	217	6.05
5830	281	3.03	6029	89-104-108	2.15	6145	432-531	4.57	6276	107	1.02	6666	217	2.62
5872	147	1.20	6030	91	2.65	6146	531	4.57	6277	107	1.07	6667	217	3.25
5873	148	2.20	6031	89-108	2.25	6147	531	4.57	6278	107	2.10	6668	217	4.87
5894	282	2.60	6035	108	0.09	6152	374	0.50	6279	107	1.06	6669	217	6.49
5895	282	3.20	6036	108	0.10	6154	396	5.90	6280	107	1.10	6670	217	4.23
5896	282	3.15	6037	108	0.06	6155	396	9.50	6281	107	2.14	6671	217	6.00
5897	282	2.65	6038	108	0.13	6156	396-427	5.00	6283	107	1.20	6673	217	4.23
5898	282	2.60	6039	108	0.13	6157	396	6.20	6289	107	1.27	6676	217	6.05
5899	282	3.20	6040	108	0.13	6158	396	9.70	6294	282	3.15	6677	249	5.26
5902	498	1.07	6041	108	0.13	6159	396-427	5.50	6295	282	2.65	6678	249	4.84
5903	498	1.52	6042	108	0.07	6160	396-403	1.80	6314	215	0.34	6679	249	5.26
5904	498	1.95	6043	108	0.16	6161	369-396	2.20	6315	215	0.36	6680	249	4.84
5905	498	2.37	6044	108	0.16	6162	369-396	2.50	6316	215	0.38	6681	249	5.31
5914	498	0.13	6045	108	0.16	6163	369-396		6317	215	0.42	6682	249	4.89
5915	498	0.19	6046	108	0.63	6164	369-396		6327	215	0.09	6691	249	5.42
5916	498	0.26	6065	223	0.24	6165	396-402-427	4.00	6328	215	0.11	6692	249	4.95
5917	498	0.30	6066	223	0.47	6166	396-402-427	4.50	6329	215	0.12	6693	249	5.42
5925	480-491-498	0.01	6067	223	0.94	6167	532		6330	215	0.14	6694	249	4.95
5926	491-498	0.02	6068	223	1.41	6168	532		6334	215	0.15	6736	299	2.80
5927	526	0.19	6077	223	0.03	6169	532		6335	215	0.15	6737	299	3.50
5928	526	0.32	6078	223	0.07	6171	533		6336	186	0.61	6738	299	2.40
5929	526	0.80	6079	223	0.06	6172	533		6343	186	1.18	6739	299	2.80
5930	526	0.95	6081	223		6173	445-532		6344	186	1.18	6740	299	3.50
5931	613		6086	223		6174	445-532		6345	186	1.18	6741	299	2.80

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code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg
6742	299	3.50	6831	187-201	0.09	7164	558	4.74	8671	127-129	0.07	9439	304	0.60
6743	299	2.70	6832	187-201	0.16	7167	558	3.49	8672	127-129	0.03	9440	304	0.70
6744	299	3.40	6833	187-201	0.03	7169	558	4.02	8673	127-129-138-140	0.03	9441	304	0.70
6745	299	2.70	6854	165-167-177-182		7170	558	3.06	8693	129	0.15	9442	304	0.70
6746	299	3.40		187-189-193-196		7172	558	4.77	8694	127-129	0.23	9443	304	0.86
6748	299	4.30		201-203-205-213		7194	558	4.96	8695	127-129	0.19	9445	304	0.34
6749	299	4.75	6861	187-201	0.04	7197	558		8740	215	0.04	9498	275	0.22
6750	299	4.30	6862	187-201	0.07	7199	558	4.28	8741	129	0.32	9499	299	0.19
6751	299	4.20	6863	187-201	0.12	7288	623	6.40	8742	127-129	0.30	9513	177	0.06
6752	299	4.65	6864	217	0.10	7336	525	2.45	8753	149-213	0.02	9516	187-201	0.03
6753	299	4.20	6865	217	0.32	7337	525	2.45	8754	149-154-213-558	0.06	9517	187-201	0.04
6755	299	5.65	6866	217	0.32	7338	525	1.15	8766	149-213	0.02	9518	187	0.10
6756	299	6.55	6867	217	0.48	7339	525	1.15	8771	213-558	0.32	9519	123	0.30
6767	251	5.70	6868	217	0.48	7355	525	2.53	8773	165-167-177-182	0.12	9528	177	0.08
6768	251	2.14	6869	217	0.64	7356	525	2.53		193-196-201		9529	177	0.26
6769	251	3.33	6870	217	0.64	7357	525	1.43	8775	149-213	0.03	9530	177	0.26
6771	219	0.98	6871	217	0.80	7358	525	1.43	8857	147	0.78	9532	177	0.05
6772	219	1.96	6872	217	0.12	7369	536	8.80	8859	147	1.35	9533	177	0.14
6773	219	2.94	6873	217	0.08	7377	536	6.05	8861	147	1.90	9534	177	0.14
6774	219	3.92	6874	652	0.05	7378	536	7.00	8877	147	1.10	9536	177-187-201	0.03
6775	219	0.98	6875	217	0.11	7379	536	6.00	8879	148	1.90	9537	123-177	0.09
6776	219	1.96	6876	217	0.21	7380	536	6.90	8881	148	2.79	9538	177-187-201	0.03
6777	219	2.94	6877	217	0.32	7385	536	6.05	8902	165-167-177-182	0.20	9539	115-123-177	0.15
6778	219	3.92	6879	516-585-652	0.04	7386	536	6.90		193-196-201		9540	177	0.12
6779	190-221	1.05	6880	585	0.06	7387	536	4.80	8951	217	0.01	9541	177-187-201	0.02
6780	190-221	2.10	6881	516-652	0.05	7388	536	6.90	8968	217	0.11	9542	177	0.11
6781	190-221	3.15	6910	144	0.01	7394	536	8.40	8988	219	0.46	9545	123-252	0.02
6782	221	4.20	6926	108	0.14	7395	536	8.80	9110	243	0.16	9546	123	0.04
6783	221	1.05	6930	108	0.20	7444	536	6.05	9111	243	0.35	9547	123	0.10
6784	221	2.10	6936	144	0.01	7445	536	6.90	9118	243	0.28	9548	123	0.40
6785	221	3.15	6938	567	0.27	7499	536	8.20	9119	243	0.22	9549	123	0.75
6786	221	4.20	6939	567	0.14	7576	622		9120	243	0.50	9568	565	
6787	299		6940	567	0.02	7578	622	4.34	9121	243	0.40	9569	571	
6788	299		6941	565-567	0.50	7582	622		9142	256	0.21	9570	565	
6789	299		6942	565	0.36	7584	622		9151	243	0.79	9571	571	
6790	299		6943	565-567	0.14	7588	622		9152	243	0.98	9572	565	
6791	299		6944	565	0.55	7590	622		9168	243	0.15	9574	565	
6792	299		6945	565	0.40	7591	525	3.87	9169	243	0.36	9575	571	
6793	299		6946	565	0.19	7592	525	3.88	9170	243	0.55	9579	565-567-571	0.26
6794	299		6947	565	1.10	7593	525	3.87	9171	256	0.20	9580	565-567-571	0.58
6795	299		6948	565	0.80	7594	525	3.88	9176	217	0.77	9581	511-571-588-603	0.06
6796	299		6950	565	1.25	7698	536	6.00	9177	217	0.77		606-609-610	
6800	252	0.11	6951	565	0.90	7699	536	6.90	9178	217	0.79		618-639	
6801	252	0.07	6952	565	0.62	7862	494	2.20	9179	217	0.64	9582	501-511-571-576	0.64
6802	252	0.11	6993	129-144-149	0.10	7863	494	3.15	9180	217	0.85		588-606-609-618	
6803	252	1.00	7017	538	6.50	7864	494	4.00	9181	217	0.88		629-631-633-639	
6804	252	1.05	7027	538	6.58	7865	494	4.80	9182	217	0.06	9583	565-567-571-588	
6805	249-252	0.56	7033	622	0.94	7879	498	3.06	9186	217	0.04	9613	108	0.14
6806	249-252	0.66	7036	622	0.94	7880	498	4.31	9187	217	0.07	9614	108	0.14
6807	249-252	0.19	7038	622	1.16	7881	498	5.60	9400	299	0.07	9615	108	0.14
6808	249-252	0.24	7039	622	1.16	7882	498	6.81	9401	299	1.07	9616	108	0.18
6809	252	0.17	7040	655	2.99	7890	498	3.06	9402	299	1.15	9617	108	0.18
6810	252	0.51	7045	655	2.97	7891	498	4.31	9403	299	0.08	9618	108	0.18
6811	252	0.47	7078	655	1.79	7892	498	5.60	9408	299	1.44	9619	299	0.24
6812	252	0.68	7082	655	1.82	7893	498	6.81	9409	299	0.30	9634	680	
6813	252	1.30	7111	558	1.89	8000	129	0.22	9410	299	1.30	9635	680	
6814	252	1.62	7112	558	1.89	8001	129	0.21	9411	299	1.59	9636	680	0.15
6815	252	0.65	7113	622	0.86	8002	129	0.11	9412	299	0.10	9637	680	
6816	252	0.80	7116	622	1.08	8003	129	0.11	9413	299	1.17	9639	501-571-576	0.15
6817	252	1.30	7119	622	1.89	8032	127	0.15	9421	299	0.09	9648	108	1.10
6818	252	1.50	7131	580	1.80	8059	127	0.17	9422	299	1.54	9649	108	1.10
6823	252	0.75	7133	580	1.85	8068	127	0.35	9423	299	0.40	9667	282	0.40
6824	252	0.60	7160	558	1.89	8658	123-127-129-138	0.03	9431	299	1.34	9668	282	0.75
6828	187-201	0.01	7162	558	1.38		140-157-215		9432	299	1.79	9669	282	1.10
6829	187-201	0.01	7163	558	4.28	8670	127-129	0.05	9438	304	0.27	9670	282	0.50

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code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg
9671	282	0.95	B007	550	6.63	B479	598		B691	654	2.66	B901	551	2.38
9672	282	1.40	B008	550	6.63	B480	598		B745	494	1.45	B902	551	5.34
9673	282	0.07	B009	550	8.70	B482	599		B746	494	1.45	B903	551	3.08
9674	108	2.25	B012	550	9.12	B483	599		B747	494	2.41	B904	551	7.12
9675	108	2.25	B020	550	12.02	B485	599		B748	494	2.41	B905	551	8.70
9676	108	0.23	B021	550	12.02	B486	599		B749	494	3.50	B909	551	0.20
9677	108	0.24	B022	550	14.96	B488	599		B750	494	3.50	B910	551-554	1.16
9689	233-236	0.70	B025	550	19.62	B492	599		B751	494	4.60	B911	551	2.14
9690	314		B183	549	1.04	B503	599	0.05	B752	494	4.60	B914	551	0.41
9691	314		B213	408	13.70	B504	599	0.02	B755	652	5.87	B915	524-526-551-571	0.36
9692	314		B214	408	13.70	B505	599	0.05	B758	652	5.90		606-609-618	
9693	314	0.73	B217	408	13.50	B506	599	0.02	B767	652	5.67	B916	551-554	0.52
9694	314	0.04	B220	409	2.22	B507	599	0.05	B768	652	6.45	B917	551	0.04
9695	233-236	0.60	B221	409	2.69	B508	599	0.02	B770	652	6.19	B918	551-554	0.22
9698	115-123-149	0.40	B222	409	3.18	B510	382-594	0.12	B773	652	6.40	B919	551	0.49
	154-157		B223	410	0.96	B511	599	0.41	B776	652	5.99	B922	551-554	0.39
9704	234-249		B256	550	1.28	B512	599-601-603	0.13	B777	652	6.70	B923	551	0.99
9708	682		B257	550	1.28	B513	599	0.50	B779	652	7.80	B958	551	1.70
9711	682		B275	570	0.17	B514	599-603	0.21	B781	652	7.80	B962	551	1.30
9718	682		B276	570	0.17	B515	601	0.21	B787	318-594	2.13	B963	551	2.10
9719	682		B281	570	0.18	B516	601	0.62	B789	594	2.54	B964	551	0.29
9720	680		B285	570	0.17	B517	601	0.84	B790	594	2.40	B965	551	0.05
9721	681		B286	570	0.17	B518	382-594	2.35	B797	594	3.80	B973	571	0.43
9722	682		B294	570	0.18	B546	655	1.74	B798	594	3.80	B974	571	0.30
9723	680		B295	570	0.18	B547	655	1.74	B805	594		B975	571	0.09
9724	314		B300	570	0.21	B548	655	2.97	B814	594		B976	571	0.45
9725	314		B304	570	0.18	B549	655	2.99	B817	594		B977	571	0.31
9741	314		B305	570	0.18	B550	655	2.89	B819	594		B978	571	0.10
9742	314		B319	570	0.75	B551	655	2.92	B822	594		B979	571	
9743	314		B328	570	0.75	B554	655	2.59	B828	620	0.98	B980	571	0.55
9747	682		B337	570	0.92	B572	654	2.16	B830	620	0.91	B981	571	0.23
9752	682		B346	570	0.92	B573	654	1.92	B831	620	0.98	B982	571	
9856	511-618	0.55	B411	408	11.16	B576	656	1.61	B833	620	0.91	B983	571	0.60
9905	571-618-629	0.03	B412	408	12.38	B577	656	2.43	B834	620	1.25	B984	571	0.23
	631-633		B413	408	9.46	B578	656	1.38	B836	620	1.30	B985	571	0.70
9906	618	0.06	B414	408	9.46	B579	656	2.25	B837	620	1.25	B986	571	1.50
9907	571-618-629	0.09	B415	408	10.55	B580	656	2.53	B839	620	1.30	B988	524-526	0.30
	631-633		B416	408	11.61	B581	656	2.19	B840	620	2.05	B989	382-524-526-594	0.22
9908	477-481-501-571	0.08	B425	408		B582	523	0.95	B841	620	1.95	B991	554	0.31
	576-681		B426	408	9.56	B583	523	0.95	B842	620	4.25	B992	554	0.65
9909	477-481-501	0.20	B427	408	10.65	B584	523	0.90	B843	620	1.10	B993	382-594	0.20
	571-576		B428	408	11.71	B585	523	0.90	B844	620	2.45	B994	382-594	0.43
9910	477-481-501-571	0.41	B437	409	5.59	B587	523	0.70	B845	620	2.05	B995	318-382-594	0.41
	576-666		B438	409	8.26	B589	523	0.70	B846	620	1.95	B996	318-382-594	0.17
9911	477-481-501	0.41	B440	409	5.69	B590	523	0.70	B847	620	4.25	B997	318-382-594	0.28
	571-576		B441	409	8.36	B591	523	0.70	B848	620	1.10	BA04	594	2.54
9912	477-481-501		B443	409		B592	523	1.70	B849	620	2.45	BA08	651	4.00
	571-576		B444	409		B618	554	5.83	B850	620		BA12	651	4.00
ABD3	362		B446	409		B619	554	5.83	B852	620		BA16	651	3.70
ABM3	362		B447	409		B620	554	6.32	B853	620		BA22	651	4.19
AEB0	355		B450	409	1.79	B621	554	6.63	B855	620		BA26	651	4.19
ADR0	358		B451	409	2.27	B622	554	6.63	B857	494	3.15	BA28	651	4.00
ADR1	358		B452	409	2.74	B623	554	6.82	B858	494	4.00	BA31	651	5.29
ADR2	358		B459	409	1.69	B624	554	6.82	B859	494	4.80	BA32	651	5.39
ADR3	358		B460	409	1.84	B625	554	6.82	B861	498	4.50	BA33	651	5.29
ADT0	609		B462	598	10.85	B626	554	5.36	B862	498	5.79	BA34	651	5.39
ADT1	609		B463	598	10.85	B634	598		B863	498	7.00	BA40	525	1.80
ADT2	609		B465	598	10.85	B635	598		B865	498	4.50	BA41	525	1.80
ADT3	609		B466	598	10.85	B637	598		B866	498	5.79	BA42	525	1.80
ADT4	609		B468	598		B638	598		B867	498	7.00	BA43	525	1.80
ADT5	609		B472	598	4.70	B642	599		B869	613	0.77	BA44	536	5.45
AZ70	355		B473	598		B643	599		B875	613	0.85	BA45	536	5.45
B002	549	1.02	B475	598		B645	599		B881	613	1.69	BA46	536	5.45
B005	550	5.28	B476	598		B646	599		B887	613	1.63	BA47	536	5.45
B006	550	5.28	B478	598		B689	655	3.47	B900	551	0.96	BA48	536	5.45

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BA49	536	5.45	BB40	554	6.15	BC33	617	0.64	BD76	550	1.28	BG38	515	5.65
BA50	536	5.45	BB41	554	6.15	BC35	382		BD77	560	2.20	BG94	427	9.50
BA51	536	5.45	BB42	554	6.40	BC37	382		BD78	560	1.85	BG96	485	1.65
BA53	497	3.30	BB43	570	0.18	BC39	382		BD79	656		BG97	485	1.65
BA56	497	4.85	BB44	570	0.18	BC41	382		BD80	656	2.49	BG98	485	3.20
BA59	497	6.30	BB45	570	0.75	BC57	421	10.69	BD81	656	2.69	BG99	485	3.20
BA62	497	3.30	BB46	570	0.75	BC58	421	10.86	BD82	656		BH00	485	4.49
BA65	497	4.85	BB47	570	0.21	BC60	421	11.76	BD83	656	2.32	BH01	485	4.49
BA68	497	6.30	BB48	570	0.21	BC64	421	10.56	BD84	656	2.36	BH02	485	1.65
BA70	497	3.47	BB49	570	0.92	BC65	421	10.67	BD85	421	10.69	BH03	485	1.65
BA71	497	4.70	BB50	570	0.92	BC66	421	11.76	BD86	420		BH04	485	3.20
BA72	497	6.73	BB57	570	0.82	BC82	420	9.60	BE02	606	0.95	BH05	485	3.20
BA73	497	3.47	BB58	570	0.82	BC83	420	10.06	BE03	606	1.42	BH06	485	4.49
BA74	497	4.70	BB59	570	1.85	BC89	420	9.56	BE04	606	2.79	BH07	485	4.49
BA75	497	6.73	BB60	570	1.85	BC90	420	9.67	BE05	606	3.26	BH08	485	1.65
BA76	494	2.37	BB65	494	1.45	BC91	420	10.76	BE06	606	0.66	BH09	485	1.65
BA77	494	3.10	BB66	494	2.41	BD13	422	0.86	BE07	603	2.67	BH10	485	3.20
BA78	494	3.80	BB67	494	3.15	BD14	422	0.92	BE08	603	2.67	BH11	485	3.20
BA79	648	0.64	BB68	494	4.00	BD15	422	1.08	BE09	603	4.31	BH12	485	4.49
BA80	648	0.64	BB69	494	1.45	BD16	422	1.18	BE10	603	4.31	BH13	485	4.49
BA82	648	0.64	BB70	494	2.41	BD17	422	1.32	BE11	603	2.60	BH14	476	0.89
BA83	648	0.64	BB71	494	3.15	BD18	422	1.39	BE12	603	3.00	BH15	476	0.89
BA85	648	0.74	BB72	494	4.00	BD19	422	3.25	BE49	585	1.54	BH16	476	1.59
BA86	648	0.74	BB73	497	3.30	BD20	422	0.55	BE50	585	1.54	BH17	476	1.59
BA88	648	0.74	BB74	497	4.85	BD21	422	3.37	BE51	585	1.54	BH18	476	2.22
BA89	648	0.74	BB75	497	6.30	BD22	556	2.40	BE56	585	4.43	BH19	476	2.22
BA91	648	0.91	BB76	497	3.30	BD24	556		BE57	585	5.43	BH20	476	0.89
BA92	648	0.91	BB77	497	4.85	BD25	556	2.40	BE58	585	7.43	BH21	476	0.89
BA94	648	0.91	BB78	497	6.30	BD26	556	4.31	BE59	585	7.43	BH22	476	1.59
BA95	648	0.91	BB81	494	3.10	BD27	556	4.79	BE63	585	4.65	BH23	476	1.59
BA97	617	0.29	BB82	494	3.10	BD28	556	4.67	BE64	585	4.65	BH24	476	2.22
BA98	617	0.29	BB83	494	3.80	BD30	556	5.11	BE65	585	4.43	BH25	476	2.22
BA99	617	0.51	BB84	494	3.80	BD31	556	4.31	BE66	585	4.43	BH33	395	12.00
BB01	617	0.51	BB87	494	3.10	BD32	515	2.63	BE67	585	4.09	BH34	395	12.00
BB02	617	0.33	BB88	494	3.10	BD33	515	2.63	BF19	421	16.50	BH35	395	12.00
BB03	617	0.33	BB89	494	3.80	BD34	515	2.70	BF20	421	17.25	BH36	395	12.00
BB04	617	0.56	BB90	494	3.80	BD35	515	2.70	BF23	421	16.50	BH37	395	12.00
BB05	617	0.56	BB93	497	4.85	BD36	515	2.70	BF24	421	17.25	BH38	395	12.00
BB06	618	0.15	BB94	497	4.85	BD37	515	2.70	BF84	549	1.80	BH39	395	12.00
BB07	618	0.15	BB95	497	6.73	BD38	515	2.65	BF85	549	1.80	BH40	395	12.00
BB08	618	0.21	BB96	497	6.73	BD40	515	3.90	BF86	550	1.80	BH41	395	12.00
BB09	618	0.21	BB99	497	4.85	BD41	515	3.90	BF87	550	1.80	BH42	395	16.00
BB10	618	0.21	BC01	497	4.85	BD42	515	3.90	BF90	560	2.33	BH43	395	16.00
BB11	618	0.21	BC02	497	6.73	BD43	515	3.90	BF91	560	2.30	BH52	622	
BB12	618	0.37	BC03	497	6.73	BD46	515	3.90	BF92	523	1.60	BH53	622	
BB13	618	0.37	BC05	648	1.60	BD47	515	3.90	BF93	523	1.60	BH54	622	
BB14	618	0.37	BC06	648	1.60	BD48	515	3.90	BF97	578	0.21	BH55	622	
BB15	618	0.37	BC08	648	1.60	BD49	515	3.90	BF99	578	0.22	BH56	622	
BB16	617	0.65	BC09	648	1.60	BD52	515	6.00	BG01	580	0.85	BH57	622	
BB17	617	0.65	BC12	648	1.80	BD53	515	6.00	BG03	580	0.86	BH58	395	
BB18	617	0.61	BC13	648	1.80	BD54	515	6.00	BG05	606	0.50	BH59	395	16.00
BB19	617	0.61	BC15	648	1.80	BD55	515	5.90	BG06	603	2.60	BH60	395	16.00
BB20	617	0.63	BC16	648	1.80	BD56	515	6.30	BG17	525	2.05	BH61	395	12.00
BB21	617	0.63	BC19	648	2.35	BD59	515	8.40	BG18	525	2.05	BH62	395	12.00
BB22	523	0.70	BC20	648	2.35	BD61	515	8.40	BG19	598	3.15	BH63	395	12.00
BB23	523	0.70	BC22	648	2.35	BD62	515	8.30	BG20	598	3.15	BH64	395	12.00
BB28	437-531	7.30	BC23	648	2.35	BD65	494	4.00	BG21	599	3.85	BH65	395	16.00
BB29	437-531	7.30	BC25	617	0.32	BD66	494	4.00	BG22	599		BI11	476	1.30
BB33	550	6.15	BC26	617	0.37	BD69	497	6.30	BG25	598	4.36	BI12	476	1.30
BB34	550	6.15	BC27	618	0.16	BD70	497	6.30	BG28	599	5.05	BI13	476	1.90
BB35	550	6.15	BC28	618	0.22	BD71	570	0.17	BG29	598	4.52	BI14	476	1.90
BB36	550	6.15	BC29	618	0.22	BD72	570	0.17	BG30	599	5.23	BI15	648	
BB37	550	6.40	BC30	618	0.39	BD73	570	0.18	BG35	515	5.65	BI16	648	
BB38	554	6.15	BC31	618	0.39	BD74	570	0.18	BG36	515	5.65	BI17	651	
BB39	554	6.15	BC32	617	0.67	BD75	549	1.04	BG37	515	5.65	BI18	651	

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BI19	652		BJ52	501		BK40	476		BL87	420		BM92	490	
BI20	652		BJ53	501		BK41	476		BL88	420		BM93	490	
BI21	648		BJ54	501		BK80	476		BL89	420		BM94	490	
BI22	648		BJ55	501		BK81	476		BL90	420		BM95	490	
BI23	648		BJ56	501		BK84	476		BL91	420		BM96	490	
BI24	648		BJ57	501		BK85	476		BL92	420		BM97	490	
BI25	651		BJ58	501		BL02	369		BL93	420		BM98	490	
BI26	651		BJ59	501		BL03	369		BL94	420		BM99	490	
BI27	651		BJ60	501		BL04	369		BL95	408		BN00	490	
BI28	651		BJ76	576	1.50	BL05	369		BL96	408		BN01	490	
BI29	652		BJ77	576	1.50	BL06	369		BL97	408		BN02	490	
BI30	652		BJ78	576	1.50	BL07	369		BL98	408		BN03	490	
BI31	642		BJ79	576	1.50	BL08	369		BL99	408		BN04	490	
BI32	642		BJ80	576	1.50	BL09	369		BM00	408		BN05	490	
BI33	642		BJ81	576	1.50	BL10	369		BM01	408		BN06	490	
BI34	642		BJ88	511	0.26	BL11	369		BM02	408		BN07	490	
BI35	642		BJ89	511	0.26	BL12	369		BM03	414		BN08	490	
BI36	642		BJ90	511	0.26	BL13	369		BM04	414		BN09	522	
BI37	642		BJ91	511	0.26	BL14	369		BM05	414		BN16	490	
BI38	642		BJ92	511	0.26	BL15	369		BM06	414		BN17	490	
BI39	642		BJ93	511	0.26	BL16	369		BM07	414		BN18	490	
BI40	642		BJ94	511	0.26	BL17	369		BM08	414		BN19	490	
BI41	395	12.00	BJ95	511	0.26	BL18	369	13.87	BM09	414		BN20	490	
BI42	395	12.00	BJ96	511	0.26	BL19	369	13.87	BM10	414		BN21	490	
BI45	377		BJ97	511	0.26	BL22	642		BM11	421		BN31	490	
BI46	377		BJ98	511	0.26	BL23	642		BM12	421		BN32	490	
BI49	377		BJ99	511	0.26	BL24	642		BM13	421		BN33	490	
BI50	377		BK00	511	0.26	BL25	642		BM14	421		BN34	601	
BI51	485	1.65	BK01	511	0.26	BL26	642		BM15	421		BN35	601	
BI52	485	1.65	BK02	639	0.28	BL27	642		BM16	421		BN36	601	
BI53	485	3.20	BK03	639	0.28	BL28	652		BM17	408		BN37	601	
BI54	485	3.20	BK04	639	0.28	BL29	652		BM18	408		BN38	601	
BI55	485	4.49	BK05	639	0.28	BL30	476	1.48	BM24	408		BN39	601	
BI56	485	4.49	BK06	639	0.28	BL31	476	1.48	BM25	408		BN40	601	
BI57	485	1.65	BK07	639	0.28	BL32	476	2.22	BM26	408		BN41	601	
BI58	485	1.65	BK08	639	0.56	BL33	476	2.22	BM27	374		BN42	601	
BI59	485	3.20	BK09	639	0.56	BL34	476	2.98	BM28	374		BN43	490	
BI60	485	3.20	BK10	639	0.56	BL35	476	2.98	BM29	374		BN44	490	
BI61	485	4.49	BK11	639	0.56	BL36	476	1.48	BM30	374		BN45	490	
BI62	485	4.49	BK12	639	0.56	BL37	476	1.48	BM31	374		BN51	395	
BI63	485	1.65	BK13	639	0.56	BL38	476	2.22	BM32	374		BN52	395	
BI64	485	1.65	BK14	511	0.60	BL39	476	2.22	BM33	374		BN53	395	
BI65	485	3.20	BK15	511	0.60	BL40	476	2.98	BM34	374		BN54	395	
BI66	485	3.20	BK16	511	0.60	BL41	476	2.98	BM38	560		BN55	395	
BI67	485	4.49	BK17	511	0.60	BL66	402		BM39	560		BN56	395	
BI68	485	4.49	BK18	511	0.86	BL67	402		BM45	485		BN57	395	
BI69	485	1.45	BK19	511	0.86	BL68	402		BM46	485		BN58	395	
BI70	485	3.00	BK20	511	0.86	BL69	402		BM47	485		BN59	395	
BI71	485	4.29	BK21	511	0.86	BL70	402		BM66	485		BN60	395	
BI72	485	1.40	BK22	511	0.86	BL71	402		BM67	485		BN61	395	
BI73	485	3.00	BK23	511	0.86	BL72	402		BM68	485		BN62	395	
BI74	485	4.29	BK24	511	0.86	BL73	402		BM69	476		BN63	395	
BJ17	476	1.48	BK25	511	0.86	BL74	402		BM70	476		BN64	395	
BJ18	476	2.17	BK26	511	0.86	BL75	402		BM71	476		BN65	395	
BJ19	476	2.87	BK27	511	0.86	BL76	402		BM72	476		BN66	395	
BJ20	476	1.48	BK28	511		BL77	421		BM77	476		BN67	395	
BJ21	476	2.17	BK29	639	0.86	BL78	421		BM78	476		BN68	395	
BJ22	476	2.87	BK30	639	0.92	BL79	421		BM79	476		BN69	395	
BJ45	501		BK31	639	0.92	BL80	421		BM80	476		BN70	395	
BJ46	501		BK32	639	0.92	BL81	421		BM86	490		BN71	395	
BJ47	501		BK33	639	0.92	BL82	421		BM87	490		BN72	395	
BJ48	501		BK34	639	0.92	BL83	421		BM88	490		BN73	402	
BJ49	501		BK35	395		BL84	421		BM89	490		BN90	485	
BJ50	501		BK36	476		BL85	421		BM90	490		BN91	485	
BJ51	501		BK37	476		BL86	420		BM91	490		BN92	485	

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BN94	601		BU75	394		BW18	480		BX32	642		BZ49	516-642	0.25
BP03	490		BU76	394		BW19	480		BX33	642		BZ50	516	0.07
BP04	490		BU77	394		BW20	480		BX36	402		BZ51	516-642	0.07
BP05	490		BU78	523		BW21	480		BX37	402		BZ52	516-642	0.07
BP10	395		BU79	523		BW22	480		BX38	402		BZ53	516-642	0.11
BP11	395		BU80	523		BW23	480		BX39	402		BZ54	516	0.05
BP14	485		BU81	523		BW24	480		BX40	402		BZ55	516	0.04
BP15	485		BU82	525		BW25	480		BX41	402		BZ56	516-642	0.09
BP72	421		BU83	525		BW26	480		BX56	588		BZ57	516	0.18
BP73	420		BU84	525		BW27	480		BX57	588		BZ58	516	0.12
BP74	408		BU85	525		BW28	480		BX59	588		BZ59	516	0.19
BS80	427		BU86	525		BW29	480		BX60	588		BZ60	511-517	0.16
BS81	427		BU87	525		BW30	480		BX61	588		BZ61	517	0.30
BS82	427		BU88	531		BW31	480		BX62	588		BZ62	517	0.70
BS83	427		BU89	531		BW32	480		BX69	588		BZ63	516-642	0.31
BU03	421		BU90	531		BW33	480		BX70	588		BZ65	516-642	0.09
BU05	420		BU91	531		BW34	480		BX71	588		BZ66	516-642	0.09
BU07	629		BU92	531		BW35	480		BX72	588		BZ67	516-642	0.14
BU08	629		BU93	531		BW57	480		BX79	588		BZ68	516	0.06
BU09	633		BU94	531		BW58	480		BX80	588		BZ69	516	0.08
BU10	629		BU95	531		BW59	480		BX81	588		BZ71	516-642	0.11
BU14	633		BU96	531		BW74	598		BX82	588		BZ72	516	0.27
BU16	631		BU97	531		BW75	598		BX89	610		BZ73	516	0.15
BU17	629		BU98	531		BW76	598		BX90	610		BZ74	516	0.26
BU21	633		BU99	531		BW77	598		BZ01	377-652	0.08	BZ75	516	0.29
BU22	631		BV00	437-531		BW78	598		BZ02	377-652	0.08	BZ76	517	0.90
BU23	629		BV01	437-531		BW79	598		BZ04	652	0.03	BZ77	516-642	0.40
BU27	631		BV02	437-531		BW80	599		BZ06	652	0.03	BZ79	516-642	0.13
BU28	631		BV03	437-531		BW81	599		BZ07	652	0.02	BZ80	516-642	0.24
BU35	394		BV04	437-531		BW82	599		BZ08	533	0.33	BZ84	516	0.01
BU36	394		BV05	437-531		BW83	599		BZ09	477-533	0.22	BZ85	516-642	0.15
BU38	639		BV06	382		BW84	599		BZ10	495	0.57	BZ86	516	0.46
BU39	639		BV07	532		BW85	599		BZ11	495	0.80	BZ87	516	0.20
BU40	382		BV08	432		BX00	394		BZ12	498	1.05	BZ88	516	0.38
BU41	382		BV09	532		BX01	394		BZ13	498	1.98	BZ89	516	0.36
BU42	594		BV10	432		BX02	515		BZ14	477-481-495-498	0.36	BZ90	516	0.36
BU43	594		BV11	532		BX03	515			526-551-554-666		BZ91	454-517	1.36
BU44	382		BV12	432		BX04	515		BZ15	477-481-495-498	0.91	BZ92	388	5.20
BU45	382		BV13	532		BX05	515			526-551-554-666		BZ93	388	8.21
BU46	382		BV14	432		BX06	515		BZ16	477-481-495-498	1.21	BZ94	388	11.70
BU47	382		BV27	585		BX07	515			526-551-554-666		BZ95	388	1.20
BU48	382		BV29	585		BX08	515		BZ17	648	0.03	BZ96	388	5.60
BU49	382		BV31	585		BX09	515		BZ18	648	0.02	BZ97	603-606	1.53
BU50	424		BV33	585		BX10	515		BZ19	648	0.02	BZ98	511-606-609-639	0.03
BU52	424		BV35	585		BX11	515		BZ20	648	0.06	BZA0	138-140-511	0.11
BU54	424		BV37	585		BX12	515		BZ21	648	0.03		606-609-639	
BU56	394		BV39	585		BX13	515		BZ22	648	0.05	BZA1	556-558	0.08
BU57	394		BV41	585		BX14	515		BZ23	533	0.43	BZA3	556-558	0.10
BU58	394		BV43	585		BX15	515		BZ24	533	0.70	BZA4	556	0.01
BU59	394		BV44	536		BX16	515		BZ25	533	0.50	BZC5	397-403-410-423	0.65
BU60	394		BV45	536		BX17	515		BZ26	533	0.36	BZC6	397-403-410-423	0.65
BU61	394		BV46	536		BX18	515		BZ27	533	0.67	BZC8	410	1.56
BU62	394		BV47	536		BX19	515		BZ28	533	1.04	BZC9	423	1.48
BU63	394		BV52	531		BX20	515		BZ29	533	0.95	BZD0	551	0.80
BU64	394		BV53	531		BX21	515		BZ30	533	0.62	BZD1	551	0.80
BU65	394		BV54	531		BX22	515		BZ31	533	1.16	BZD2	524	0.38
BU66	394		BV55	531		BX23	515		BZ32	533	1.78	BZD3	524	0.07
BU67	394		BV60	515		BX24	515		BZ33	511-618-629	0.98	BZD4	524	0.05
BU68	394		BV61	515		BX25	515			631-633		BZD5	524	0.06
BU69	394		BV62	515		BX26	642		BZ41	421	0.57	BZD6	533	0.55
BU70	394		BV63	515		BX27	642		BZ43	420	0.55	BZD8	533	0.55
BU71	394		BV68	525		BX28	642		BZ44	422	7.67	BZD9	533	0.14
BU72	394		BV69	525		BX29	642		BZ45	422	12.07	BZE0	533	0.12
BU73	394		BV72	550		BX30	642		BZ46	422	1.56	BZE3	533	0.15
BU74	394		BV73	554		BX31	642		BZ48	422	6.41	BZE4	533	0.38

Code/page reference

code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg
BZE5	533	0.56	BZP3	369		M186	122	1.15	M369	93	1.02	M454	264	9.56
BZE6	533	0.21	BZP4	369		M190	147	1.70	M370	93	1.07	M455	264	4.21
BZE7	533	0.74	BZP5	369		M191	147	1.70	M371	93	1.10	M456	264	8.01
BZE8	533	0.55	BZP6	369	4.92	M192	148	2.80	M372	93	1.10	M457	264	11.94
BZE9	533	0.24	BZP7	369	5.14	M193	148	2.80	M373	94	1.10	M458	264	8.76
BZF1	532	0.01	BZP8	369	11.51	M194	148	3.70	M374	94	1.20	M459	264	10.98
BZF2	606	0.14	BZP9	369	11.74	M195	148	3.70	M375	94	0.23	M489	263-264	1.00
BZF3	606	0.24	BZQ0	369	11.54	M196	148	3.50	M376	93	0.23	M490	263-264	1.20
BZF5	526	0.05	BZQ1	369	11.76	M197	152	1.94	M377	93	0.39	M491	263-264	1.40
BZF6	526	0.11	BZQ2	369	1.48	M198	152	1.60	M378	93	0.41	M492	263-264	1.00
BZF7	526	0.10	BZQ3	369		M199	152	1.60	M382	93	0.30	M493	263-264	1.20
BZF8	551	0.03	BZQ4	377		M200	153	2.80	M383	93	0.65	M494	263-264	1.40
BZF9	551	0.05	BZQ7	477-481-487		M201	153	2.80	M384	93	0.65	M496	263-264	0.80
BZG3	409	1.43		491-501-526		M202	153	3.15	M385	93	0.72	M497	263-264	1.60
BZG4	409	1.56	BZS6	477-481-491-501-526		M203	153	3.15	M386	93	0.72	M498	263-264	2.40
BZG5	409	1.91	BZS8	486		M204	153	2.80	M390	93	0.95	M499	263-264	3.20
BZG6	409	2.05	BZS9	486		M205	155	1.98	M391	93	1.01	M500	263-264	1.00
BZG8	588-599-609		BZT0	486		M206	155	1.60	M392	93	1.02	M501	263-264	1.90
BZH0	377-585-599-609-610		BZT1	486	0.01	M207	155	1.60	M393	93	1.02	M502	263-264	2.90
BZH1	578	0.07	BZT2	486	0.03	M208	156	2.80	M394	94	0.87	M503	263-264	3.80
BZH2	580	0.21	BZT3	486	0.04	M209	156	2.80	M395	94	0.99	M543	101	0.62
BZH3	580	0.25	BZT4	487	0.11	M210	156	3.20	M396	97	0.25	M544	101	0.89
BZH4	656	0.72	BZT5	487	0.11	M211	156	3.20	M400	97	0.47	M545	101	0.89
BZH5	655-656	1.11	BZT6	487	0.11	M212	156	2.85	M401	97	0.60	M546	101	0.97
BZH6	654-656	1.25	BZU5	369		M247	133	0.17	M402	97	0.44	M547	101	0.97
BZH7	486	0.01	BZU6	369		M248	133	0.38	M403	97	0.61	M548	101	1.28
BZH8	486	0.03	BZV0	491		M249	329	0.21	M404	97	0.28	M549	94	1.90
BZH9	486	0.04	BZV1	491		M250	329	0.21	M405	97	0.47	M550	94	1.91
BZIO	486	0.34	BZV2	491		M251	329	0.21	M406	97	0.61	M551	94	2.98
BZII	486	0.73	BZV3	491		M252	329	0.21	M408	97	0.39	M552	94	2.00
BZII	487	0.04	BZV4	491		M253	329	0.21	M409	97	0.77	M553	94	2.00
BZII	487	0.04	BZV5	491		M314	129	0.15	M410	97	0.77	M554	94	3.10
BZII	487	0.03	BZV6	486		M315	129	0.15	M411	98	0.63	M555	94	1.60
BZII	487	0.03	BZV7	486		M316	129	0.15	M412	98	0.96	M556	94	1.60
BZII	487	0.01	BZV8	486		M317	129	0.15	M413	98	0.96	M557	94	2.68
BZII	487	0.01	BZV9	486		M318	129	0.14	M414	98	0.97	M558	94	1.70
BZII	517	0.01	BZW0	486		M319	129	0.14	M415	98	0.97	M559	94	1.70
BZII	517		BZW1	487		M320	129	0.14	M416	97	0.24	M560	94	2.88
BZII	487	0.11	BZW2	487		M321	129	0.14	M417	97	0.46	M563	101	1.70
BZII	487	0.22	BZW3	487		M322	129	0.26	M418	97	0.59	M564	101	1.80
BZII	487	0.34	BZW4	369		M323	129	0.26	M419	97	0.43	M565	101	2.72
BZII	487	0.12	BZW8	486		M324	129	0.26	M420	97	0.60	M566	101	1.72
BZII	487	0.23	BZW9	486		M325	129	0.26	M421	97	0.28	M567	101	1.79
BZII	487	0.35	BZX1	369-374-395-402		M326	129	0.26	M422	97	0.47	M568	101	2.94
BZII	477	0.10		408-414-420-421		M327	129	0.26	M423	97	0.61	M601	284	
BZII	477	0.19		424-532		M328	129	0.26	M425	97	0.37	M602	284	
BZII	477	0.24	BZX2	486		M329	129	0.26	M426	97	0.75	M603	284	
BZII	477	0.16	BZX3	486		M340	147	1.02	M427	97	0.75	M604	284	
BZK0	477-481-501-576-666		BZZ7	480		M341	147	1.56	M428	98	0.70	M605	284	
BZK1	477-481-576		BZZ8	633		M344	147	0.80	M429	98	1.04	M606	284	
BZK6	477-501-511	0.04	G681	681		M345	147	0.80	M430	98	1.04	M607	284	
	588-639		G741	680		M346	147	1.46	M431	98	1.05	M608	284	
BZK7	477-511-639	0.14	G745	681		M347	147	1.46	M432	98	1.05	M619	284	3.98
BZM4	52-588	0.21	G765	681		M350	121	0.69	M433	263	2.47	M620	284	3.00
BZM5	454-517		M105	246	3.63	M351	121	0.69	M434	263	3.22	M621	284	
BZM6	370-377		M106	246	3.43	M352	121	0.69	M435	263	6.15	M622	284	
BZM7	370-377		M107	246	3.43	M353	121	0.69	M436	263	9.08	M623	284	
BZM8	551-554	0.22	M108	246	3.63	M355	93	0.32	M437	263	3.97	M624	284	
BZM9	551	0.49	M109	246	4.27	M356	93	0.46	M438	263	7.65	M625	284	
BZN5	501		M116	246	3.67	M357	93	0.46	M439	263	11.34	M626	284	
BZN6	501		M117	246	3.36	M361	93	0.55	M440	263	8.28	M636	77	
BZN7	477-481-487-491		M118	246	3.36	M362	93	0.83	M441	263	10.38	M637	279	
	501-526-576		M119	246	3.67	M363	93	0.83	M451	264	2.71	M638	279	
BZN8	576	2.10	M120	246	4.31	M364	93	0.85	M452	264	3.46	M639	279	
BZN9	576	0.90	M185	122	1.15	M365	93	0.85	M453	264	6.51	M640	205	0.85

Code/page reference

code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg
M641	205	0.85	M760	266-267	2.50	M976	138	0.63	MA75	284		MB67	89	2.05
M642	205	0.85	M761	268	0.04	M977	138	0.78	MA76	284		MB68	89	2.11
M643	205	0.85	M824	329	0.15	M978	138	0.78	MA77	284		MB69	89	2.11
M644	205	0.85	M826	329	0.21	M979	138	0.78	MA78	284		MB70	89	2.08
M645	205	0.85	M827	329	0.35	M980	138	0.78	MA79	284		MB71	89	2.08
M646	205	0.85	M828	329	0.35	M981	138	0.53	MA80	284		MB72	89	2.14
M647	205	0.85	M829	329		M982	138	0.80	MA81	284		MB73	89	2.14
M648	205	0.85	M846	333	0.07	M983	138	0.89	MA89	279		MB74	88	2.05
M649	205	1.68	M847	333	0.14	M984	138	0.89	MA90	279		MB75	88	2.05
M650	205	1.68	M848	333	0.29	M985	138	0.89	MA91	279		MB76	88	2.11
M651	205	1.68	M849	333	0.43	M986	138	0.89	MA92	277		MB77	88	2.11
M652	205		M850	333	0.57	M987	139	0.05	MA93	277		MB78	88	2.05
M653	205		M856	333	0.07	M988	139	0.05	MA94	277		MB79	88	2.05
M654	205		M857	333	0.14	M989	139	0.05	MA95	277		MB80	88	2.11
M655	205		M858	333	0.29	M990	139	0.05	MA96	277		MB81	88	2.11
M656	271	1.20	M859	333	0.43	M991	139	0.25	MA97	277		MB82	87	2.27
M657	271	1.60	M860	333	0.57	M992	139	0.43	MA98	277		MB83	87	2.27
M658	271	2.00	M877	333	0.08	M993	139	0.58	MA99	277	4.40	MB84	87	2.33
M659	271		M878	333	0.17	M994	139	0.47	MB00	277		MB85	87	2.33
M660	271	2.60	M879	333	0.34	M995	139	0.47	MB01	277		MB86	87	2.30
M661	271	3.30	M880	333	0.50	M996	139	0.47	MB02	277		MB87	87	2.30
M662	271	1.80	M881	333	0.67	M997	139	0.47	MB03	277		MB88	87	2.36
M663	271	2.50	M887	333	0.08	MA00	139	0.28	MB04	277		MB89	87	2.36
M664	271	3.20	M888	333	0.17	MA01	139	0.46	MB05	277	3.80	MB90	87	3.79
M665	271	1.20	M889	333		MA02	139	0.61	MB06	277		MB91	87	3.79
M666	271	1.60	M890	333	0.50	MA03	139	0.18	MB07	133	0.17	MB92	91	2.85
M667	271	2.00	M891	333	0.67	MA04	139	0.36	MB08	133	0.17	MB93	91	2.85
M668	271		M922	180	1.35	MA05	139	0.50	MB17	180	1.67	MB94	91	2.90
M669	271	2.60	M923	180	1.35	MA06	139	0.40	MB18	180	1.90	MB95	91	2.90
M670	271	3.30	M924	180	1.35	MA07	139	0.40	MB19	180	1.90	MB96	91	2.87
M671	271	1.80	M925	180	1.35	MA08	139	0.40	MB28	206	1.71	MB97	91	2.87
M672	271	2.50	M926	180	1.90	MA09	139	0.40	MB29	206	1.71	MB98	91	2.92
M673	271	3.20	M927	180	1.90	MA10	139	0.82	MB30	180	1.40	MB99	91	2.92
M674	266	2.15	M928	180	1.90	MA11	139	0.82	MB31	180	1.40	MC00	87	1.00
M675	266	2.85	M929	180	1.90	MA12	139	0.22	MB32	180	1.40	MC01	87	1.00
M676	266	5.32	M930	180	1.90	MA13	139	0.37	MB33	180	1.40	MC02	87	1.00
M677	266	7.81	M931	180	1.90	MA14	139	0.51	MB34	180	1.40	MC03	87	1.00
M678	266	3.54	M932	180	1.90	MA27	139	0.46	MB35	180	1.75	MC04	88	
M679	266	6.71	M933	180	1.90	MA28	139	0.73	MB36	180	1.75	MC05	88	2.28
M680	266	9.90	M934	137	0.40	MA29	139	0.89	MB37	180	1.75	MC06	88	2.28
M681	266	7.00	M935	137	0.40	MA30	139	0.89	MB38	180	1.75	MC07	88	2.34
M682	266	8.90	M936	137	0.40	MA31	139	0.89	MB39	180	1.75	MC08	88	2.34
M692	267	2.10	M937	137	0.40	MA32	139	0.89	MB40	180	1.75	MC09	88	2.31
M693	267	2.77	M938	137	0.40	MA33	139	0.51	MB41	180	1.75	MC10	88	2.31
M694	267	5.18	M939	137	0.22	MA34	139	0.78	MB42	87	0.92	MC11	88	2.40
M695	267	7.61	M940	137	0.40	MA35	139	0.88	MB43	87	0.92	MC12	88	2.40
M696	267	3.45	M941	137	0.55	MA36	139	0.88	MB44	87	0.89	MC13	88	3.80
M697	267	6.54	M942	137	0.43	MA37	139	0.88	MB45	87	0.89	MC14	88	3.80
M698	267	9.65	M943	137	0.43	MA38	139	0.88	MB47	91	0.92	MC17	88	
M699	267	6.78	M944	137	0.43	MA39	138	0.36	MB48	91	0.92	MC18	88	
M700	267	8.88	M945	137	0.43	MA40	138	0.36	MB49	91	0.89	MC19	88	2.28
M746	266-267	0.75	M948	137	0.21	MA41	138	0.36	MB50	91	0.89	MC20	88	2.28
M747	266-267	0.85	M949	137	0.39	MA42	138	0.36	MB52	88	2.05	MC21	88	2.33
M748	266-267	0.95	M950	137	0.53	MA45	139	0.40	MB53	88	2.05	MC22	88	2.33
M749	266-267	0.75	M951	138	0.16	MA46	139	0.40	MB54	88	2.11	MC23	88	2.28
M750	266-267	0.95	M952	138	0.34	MA47	139	0.40	MB55	88	2.11	MC24	88	2.28
M751	266-267	1.05	M953	138	0.48	MA48	139	0.40	MB56	88	2.08	MC25	88	2.33
M752	266-267	1.50	M954	138	0.36	MA49	139	0.82	MB57	88	2.08	MC26	88	2.33
M753	266-267	0.52	M955	138	0.36	MA50	139	0.82	MB58	88	2.14	MC27	87	2.51
M754	266-267	1.00	M956	138	0.36	MA55	268		MB59	88	2.14	MC28	87	2.51
M755	266-267	1.50	M957	138	0.36	MA56	268		MB60	88	3.57	MC29	87	2.56
M756	266-267	1.97	M960	138	0.19	MA57	268		MB61	88	3.57	MC30	87	2.56
M757	266-267	0.66	M961	138	0.37	MA58	268		MB64	133	0.19	MC31	87	2.51
M758	266-267	1.27	M962	138	0.52	MA73	137		MB65	133		MC32	87	2.51
M759	266-267	1.90	M975	138	0.38	MA74	284		MB66	89	2.05	MC33	87	2.56

Code/page reference

code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg
MC34	87	2.56	ME03	115	1.30	MF10	119	3.30	MG53	153	4.56	MI20	673	
MC35	87	4.03	ME04	115	1.30	MF11	119	3.30	MG54	153	4.56	MI21	673	
MC36	87	4.03	ME05	115	1.30	MF12	119	3.30	MG55	153	4.56	MI22	673	
MC39	88	2.15	ME06	115	1.30	MF13	118	0.93	MG56	153	4.56	MI23	673	
MC40	88	2.15	ME07	115	1.30	MF14	118	0.93	MG94	211	4.82	MI24	673	
MC43	91	2.15	ME08	115	1.30	MF15	118	0.93	MG95	211	4.82	MI25	674	
MC44	91	2.15	ME09	115	1.30	MF16	118	0.93	MG96	211	4.82	MI26	674	
MC47	88	2.15	ME10	115	1.30	MF17	118	1.90	MG97	211	4.82	MI27	674	
MC48	88	2.15	ME11	115	1.30	MF18	118	1.90	MG98	211	4.82	MI28	671	
MC60	88		ME12	115	1.30	MF19	118	1.90	MH06	211	5.29	MI29	674	
MC63	329	0.21	ME13	115	1.30	MF20	118	1.90	MH07	211	5.29	MI30	674	
MC64	329		ME14	115	1.30	MF21	119	3.50	MH08	211	5.29	MI31	674	
MC65	329		ME15	115	0.82	MF22	119	3.50	MH09	211	5.29	MI32	674	
MC75	122	0.89	ME16	115	0.82	MF23	119	3.50	MH10	211	5.29	MI33	674	
MC76	122	0.89	ME17	115	1.30	MF24	119	3.50	MH18	212	5.51	MI34	671	
MC79	232	8.06	ME18	115	1.30	MF55	147	1.68	MH19	212	5.51	MI35	675	
MC80	232	6.76	ME19	115	1.30	MF56	147	1.68	MH20	212	5.51	MI36	675	
MC81	232	8.10	ME20	115	1.30	MF57	147	1.68	MH21	212	5.51	MI37	675	
MC82	232	6.80	ME21	115	2.23	MF58	147	1.68	MH22	212	5.51	MI38	675	
MC91	186		ME22	115	2.23	MF59	147	1.68	MH30	212	6.66	MI39	675	
MC92	186		ME23	115	2.23	MF60	147	1.68	MH31	212	6.66	MI40	675	
MC93	186		ME24	115	2.23	MF61	148	3.07	MH32	212	6.66	MI41	675	
MC94	186		ME25	115	2.23	MF62	148	3.07	MH33	212	6.66	MI42	675	
MD17	200		ME26	115	2.23	MF63	148	3.07	MH34	212	6.66	MI43	675	
MD18	200		ME27	115	2.23	MF64	148	3.07	MH42	213		MI44	675	
MD19	200		ME28	115	2.23	MF65	148	3.07	MH43	213		MI45	675	
MD20	200		ME29	115	2.23	MF66	148	3.07	MH44	213		MI46	675	
MD37	180	1.35	ME30	115	2.23	MF67	148	4.50	MH45	213		MI47	676	
MD38	180	1.35	ME31	115	2.23	MF68	148	4.50	MH46	213		MI48	676	
MD39	180	1.35	ME32	115	2.23	MF69	148	4.50	MH53	186		MI49	676	
MD40	180	1.35	ME33	329	0.24	MF70	148	4.50	MH54	186		MI50	676	
MD41	180	1.90	ME34	329	0.24	MF71	148	4.50	MH55	186		MI51	676	
MD42	180	1.90	ME35	329	0.24	MF72	148	4.50	MH56	186		MI52	676	
MD43	180	1.90	ME36	272	2.10	MG21	155	1.64	MH61	200		MI53	676	
MD44	180	1.90	ME37	272	4.20	MG22	155	1.64	MH62	200		MI54	676	
MD45	180	1.90	ME38	272	2.10	MG23	155	1.64	MH63	200		MI55	676	
MD46	180	1.90	ME39	272	4.20	MG24	155	1.64	MH64	200		MI56	671	
MD47	180	1.90	ME40	272	2.13	MG25	155	1.64	MH85	180		MI57	671	
MD48	180	1.90	ME41	272	4.23	MG26	155	1.64	MH86	180		MI58	672	
MD77	114	0.52	ME42	272	2.13	MG27	156	3.08	MH87	180		MI59	329	0.27
MD78	114	0.52	ME43	272	4.23	MG28	156	3.08	MH88	180		MI60	329	0.27
MD79	114	0.52	ME44	272	2.21	MG29	156	3.08	MH93	671		MI61	329	0.27
MD80	114	0.52	ME45	272	2.21	MG30	156	3.08	MH94	671		MJ21	240	3.83
MD81	114	0.64	ME68	232	9.20	MG31	156	3.08	MH95	671		MJ22	240	3.83
MD82	114	0.64	ME69	232	9.20	MG32	156	3.08	MH96	671		MJ23	240	3.83
MD83	114	0.64	ME70	232	9.20	MG33	156	4.52	MH97	671		MJ24	240	3.83
MD84	114	0.64	ME71	232	9.20	MG34	156	4.52	MH98	671		MJ25	240	3.44
MD85	114	0.82	ME76	232	9.40	MG35	156	4.52	MI02	672		MJ26	240	3.44
MD86	114	0.82	ME77	232	9.40	MG36	156	4.52	MI03	672		MJ27	240	3.44
MD87	114	0.82	ME78	232	9.40	MG37	156	4.52	MI04	672		MJ28	240	3.44
MD88	114	0.82	ME79	232	9.40	MG38	156	4.52	MI05	672		MJ29	240	4.43
MD89	114	0.82	ME84	233	7.00	MG39	152	1.64	MI06	672		MJ30	240	4.43
MD90	114	0.82	ME85	233	7.00	MG40	152	1.64	MI07	672		MJ31	240	4.43
MD91	114	1.02	ME86	233	7.00	MG41	152	1.64	MI08	672		MJ32	240	4.43
MD92	114	1.02	ME87	233	7.00	MG42	152	1.64	MI09	672		MJ33	240	4.04
MD93	114	1.02	ME92	233	7.20	MG43	152	1.64	MI10	672		MJ34	240	4.04
MD94	114	1.02	ME93	233	7.20	MG44	152	1.64	MI11	672		MJ35	240	4.04
MD95	114	1.02	ME94	233	7.20	MG45	153	3.10	MI12	672		MJ36	240	4.04
MD96	114	1.02	ME95	233	7.20	MG46	153	3.10	MI13	673		MJ40	203	
MD97	114	1.17	MF04	118	0.80	MG47	153	3.10	MI14	673		MJ41	203	
MD98	114	1.17	MF05	118	0.80	MG48	153	3.10	MI15	673		MJ42	203	
MD99	114	1.17	MF06	118	0.80	MG49	153	3.10	MI16	672		MJ43	203	
ME00	114	1.17	MF07	118	1.70	MG50	153	3.10	MI17	672		MJ44	203	
ME01	114	1.17	MF08	118	1.70	MG51	153	4.56	MI18	673		MJ45	203	
ME02	114	1.17	MF09	118	1.70	MG52	153	4.56	MI19	673		MJ46	203	

Code/page reference

code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg
MJ47	203		MK38	52	0.36	ML24	119	4.30	MM95	336		MN65	114	
MJ48	272	2.10	MK39	52	0.73	ML25	119	4.30	MM96	336		MN66	114	
MJ49	272	4.20	MK40	52	0.73	ML26	119	4.30	MM97	77		MN67	114	
MJ50	272	2.10	MK41	52	0.73	ML27	119	4.30	MM98	77		MN68	114	
MJ51	272	4.20	MK42	52	1.10	ML54	140	0.78	MM99	77		MN69	114	
MJ52	272	2.13	MK43	52	1.10	ML55	140	0.78	MN00	77		MN70	114	
MJ53	272	4.23	MK44	52	1.10	ML56	140	0.78	MN01	84-91		MN71	114	
MJ54	272	2.13	MK45	51	0.05	ML57	140	1.13	MN02	84-91		MN72	114	
MJ55	272	4.23	MK46	51	0.05	ML58	140	1.13	MN03	84-91		MN73	114	
MJ56	272	2.21	MK47	51	0.10	ML59	140	1.13	MN04	84-91		MN74	114	
MJ57	272	2.21	MK48	51	0.10	ML96	133		MN05	200		MN75	114	
MJ58	272	2.02	MK49	52	0.30	ML97	133		MN06	200		MN76	114	
MJ59	272	2.02	MK50	52	0.30	MM20	121		MN07	200		MN77	114	
MJ60	272	2.02	MK51	52	0.30	MM21	121		MN08	200		MN78	114	
MJ61	272	2.02	MK52	52	0.60	MM22	121		MN09	200		MN79	114	
MJ62	272	3.00	MK53	52	0.60	MM23	121		MN10	200		MN80	114	
MJ63	272	3.00	MK54	52	0.60	MM24	186		MN11	200		MN81	114	
MJ64	272	3.00	MK55	52	0.86	MM25	186		MN12	200		MN82	114	
MJ65	272	3.00	MK56	52	0.86	MM26	186		MN13	200		MN83	114	
MJ66	164		MK57	52	0.86	MM27	186		MN14	200		MN84	114	
MJ67	164		MK58	186		MM28	186		MN15	200		MN85	114	
MJ68	164		MK59	186		MM29	186		MN16	200		MN86	114	
MJ69	164		MK60	186		MM30	672		MN17	666		MN87	114	
MJ70	164		MK61	186		MM31	114		MN18	665		MN88	114	
MJ71	164		MK62	186		MM32	114		MN19	665		MN89	114	
MJ72	164		MK63	186		MM33	114		MN20	665		MN90	114	
MJ73	164		MK64	186		MM34	114		MN21	665		MN91	114	
MJ78	164		MK65	186		MM35	115		MN22	665		MN92	114	
MJ79	164		MK66	186		MM36	115		MN23	665		MN93	114	
MJ80	164		MK67	186		MM42	232		MN24	665		MN94	115	
MJ81	164		MK68	186		MM44	233		MN25	665		MN95	115	
MJ82	164		MK69	186		MM45	249		MN26	665		MN96	115	
MJ83	164		MK82	180	2.00	MM46	249		MN27	665		MN97	115	
MJ84	164		MK83	180	2.00	MM49	251		MN28	665		MN98	115	
MJ85	164		MK84	180	2.00	MM50	251		MN34	186		MN99	115	
MJ86	164		MK85	180	2.00	MM51	243		MN35	186		MP01	115	
MJ87	164		MK86	180		MM52	243		MN36	186		MP02	115	
MJ88	164		MK87	180	2.00	MM55	263-264		MN37	186		MP03	115	
MJ89	164		MK88	144		MM58	299		MN38	186		MP04	115	
MJ90	164		MK89	144		MM59	299		MN39	186		MP05	115	
MJ91	164		MK90	144		MM60	275		MN40	186		MP06	115	
MJ92	164		MK91	144		MM61	281		MN41	186		MP07	115	
MJ93	164		MK92	144		MM62	281		MN42	186-232		MP08	115	
MJ94	164		MK93	144		MM63	282		MN43	186		MP09	115	
MJ95	164		MK95	180	1.18	MM64	282		MN44	186		MP10	115	
MJ96	164		MK96	180		MM75	51		MN45	186		MP11	115	
MJ97	164		MK97	180	1.18	MM76	51		MN46	180		MP12	115	
MJ98	164		MK98	180	1.18	MM77	52		MN47	180		MP13	115	
MJ99	164		MK99	180		MM78	52		MN48	180		MP14	115	
MK00	164		ML00	180	1.18	MM79	52		MN49	180		MP15	115	
MK01	164		ML01	186		MM80	52		MN50	180		MP16	118	
MK02	164		ML02	186		MM81	52		MN51	180		MP17	118	
MK03	164		ML03	186		MM82	52		MN52	180		MP18	118	
MK04	164		ML04	186		MM83	51		MN53	180		MP19	118	
MK18	164		ML05	186		MM84	51		MN54	180		MP20	118	
MK19	164		ML06	186		MM85	52		MN55	180		MP21	118	
MK20	164		ML15	672		MM86	52		MN56	180		MP22	118	
MK22	164		ML16	118	1.17	MM87	52		MN57	180		MP23	118	
MK23	164		ML17	118	1.17	MM88	52		MN58	114		MP24	118	
MK24	164		ML18	118	1.17	MM89	52		MN59	114		MP25	118	
MK26	164		ML19	118	1.17	MM90	52		MN60	114		MP26	118	
MK27	164		ML20	118	2.40	MM91	336		MN61	114		MP27	118	
MK28	164		ML21	118	2.40	MM92	336		MN62	114		MP28	118	
MK36	52	0.36	ML22	118	2.40	MM93	336		MN63	114		MP29	118	
MK37	52	0.36	ML23	118	2.40	MM94	336		MN64	114		MP30	119	

Code/page reference

code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg
MP31	119		MQ02	175		MQ68	58		MR33	174		MS16	144	
MP32	119		MQ03	175		MQ69	58		MR34	174		MS17	144	
MP33	119		MQ04	175		MQ70	58		MR35	174		MS18	144	
MP34	119		MQ05	175		MQ71	58		MR36	174		MS19	144	
MP35	119		MQ06	303		MQ72	58		MR37	268		MS20	144	
MP36	119		MQ07	303		MQ73	58		MR38	268		MS21	144	
MP37	118		MQ08	303		MQ74	58		MR39	268		MS22	144	
MP38	118		MQ09	303		MQ75	51		MR40	268		MS23	144	
MP39	118		MQ10	303		MQ76	51		MR41	268		MS24	144	
MP40	118		MQ11	303		MQ77	52		MR42	268		MS25	144	
MP41	118		MQ12	303		MQ78	52		MR43	268		MS26	144	
MP42	118		MQ13	303		MQ79	52		MR44	268		MS27	144	
MP43	118		MQ14	303		MQ80	52		MR45	268		MS28	144	
MP44	118		MQ15	303		MQ81	52		MR46	268		MS29	144	
MP45	118		MQ16	303		MQ82	52		MR47	268		MS30	144	
MP46	118		MQ17	303		MQ83	52		MR48	268		MS31	144	
MP47	118		MQ18	303		MQ84	52		MR49	268		MS32	144	
MP48	118		MQ19	303		MQ85	52		MR50	268		MS33	144	
MP49	118		MQ20	304		MQ86	52		MR51	268		MS34	144	
MP50	118		MQ21	304		MQ87	52		MR52	268		MS35	144	
MP51	119		MQ22	63		MQ88	52		MR53	268		MS36	144	
MP52	119		MQ23	63		MQ89	52		MR54	268		MS37	144	
MP53	119		MQ24	63		MQ90	52		MR55	167		MS38	144	
MP54	119		MQ25	63		MQ91	52		MR56	167		MS39	144	
MP55	119		MQ26	63		MQ92	52		MR58	167		MS40	144	
MP56	119		MQ27	63		MQ93	52		MR59	167		MS41	143	
MP57	119		MQ28	63		MQ94	52		MR60	167		MS42	143	
MP64	200		MQ29	63		MQ95	307		MR61	167		MS43	143	
MP65	200		MQ30	63		MQ96	307		MR62	167		MS44	143	
MP66	200		MQ31	63		MQ97	307		MR63	167		MS45	143	
MP67	200		MQ32	63		MQ98	307		MR64	167		MS46	143	
MP68	200		MQ33	63		MQ99	307		MR67	167		MS47	143	
MP69	200		MQ34	63		MR00	307		MR68	167		MS48	143	
MP70	176		MQ35	63		MR01	175		MR69	167		MS49	143	
MP71	176		MQ36	63		MR02	175		MR71	279		MS50	143	
MP72	176		MQ37	63		MR03	175		MR72	279		MS51	143	
MP73	176		MQ38	63		MR04	175		MR73	304		MS52	143	
MP74	176		MQ39	63		MR05	175		MR74	304		MS53	143	
MP75	176		MQ40	63		MR06	175		MR75	304		MS54	143	
MP76	176		MQ41	63		MR07	175		MR76	304		MS55	143	
MP77	176		MQ42	70		MR08	175		MR77	304		MS56	143	
MP78	176		MQ43	70		MR09	175		MR78	304		MS57	143	
MP79	176		MQ44	70		MR10	175		MR79	304		MS58	143	
MP80	176		MQ45	70		MR11	175		MR80	304		MS59	143	
MP81	176		MQ46	70		MR12	175		MR90	189		MS60	143	
MP82	176		MQ47	70		MR13	175		MR91	189		MS61	143	
MP83	176		MQ48	70		MR14	175		MR97	70		MS62	143	
MP84	176		MQ49	70		MR15	175		MR98	170		MS63	143	
MP85	176		MQ50	70		MR16	175		MR99	144		MS64	143	
MP86	176		MQ51	70		MR17	175		MS00	144		MS65	143	
MP87	176		MQ52	70		MR18	175		MS01	144		MS66	143	
MP88	175		MQ53	70		MR19	174		MS02	144		MS67	143	
MP89	175		MQ55	60		MR20	174		MS03	144		MT10	236	
MP90	175		MQ56	60		MR21	174		MS04	144		MT11	236	
MP91	175		MQ57	60		MR22	174		MS05	144		MT12	236	
MP92	175		MQ58	60		MR23	174		MS06	144		MT13	236	
MP93	175		MQ59	60		MR24	174		MS07	144		MT14	236	
MP94	175		MQ60	60		MR25	174		MS08	144		MT15	236	
MP95	175		MQ61	60		MR26	174		MS09	144		MT16	236	
MP96	175		MQ62	60		MR27	174		MS10	144		MT17	236	
MP97	175		MQ63	60		MR28	174		MS11	144		MT18	236	
MP98	175		MQ64	60		MR29	174		MS12	144		MT19	236	
MP99	175		MQ65	60		MR30	174		MS13	144		MT20	236	
MQ00	175		MQ66	60		MR31	174		MS14	144		MT21	236	
MQ01	175		MQ67	58		MR32	174		MS15	144		MT22	236	

Code/page reference

code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg	code	page	weight kg
MT23	236		MT88	70		MU53	122		MV72	76		MWA7	263	4.50
MT24	236		MT89	70		MU54	122		MV73	76		MWA8	263	4.50
MT25	236		MT90	70		MU55	122		MV74	76		MWB3	263	0.32
MT26	180		MT91	51		MU56	122		MV75	76		MWB4	190-263-266	0.56
MT27	180		MT92	51		MU57	122		MV76	76		MWB5	263	
MT28	180		MT93	51		MU58	122		MV77	76		MWB6	263	0.36
MT29	180		MT94	51		MU59	122		MV78	75		MWB7	263-266	0.25
MT30	164		MT95	325		MU60	122		MV79	75		MWB9	264	5.00
MT31	164		MT96	325		MU61	122		MV80	75		MWC0	264	5.00
MT32	164		MT97	325		MU62	122		MV81	75		MWC3	264	5.20
MT33	164		MT98	174		MU63	122		MV82	75		MWC4	264	5.20
MT34	164		MT99	174		MU64	122		MV83	75		MWC9	264	0.34
MT35	164		MU00	174		MU65	122		MV84	75		MWD2	205	
MT36	164		MU01	174		MU66	122		MV85	75		MWD3	205	
MT37	164		MU02	174		MU67	122		MV86	75		MWD6	182-193	
MT38	164		MU03	174		MU68	122		MV87	75		MWD7	205	
MT39	164		MU04	174		MU69	122		MV88	75		MWD8	205	
MT40	164		MU05	174		MU70	122		MV89	75		MWE6	98	
MT41	164		MU06	174		MU71	122		MV90	75		MWE7	98	
MT42	164		MU07	174		MU72	122		MV91	75		MWE8	98	
MT43	164		MU08	174		MU73	122		MV92	75		MWE9	98	
MT44	164		MU09	174		MU74	122		MV93	75		MWF0	98	
MT45	164		MU10	174		MU75	63		MV94	75		MWF1	98	
MT46	164		MU11	174		MU76	63		MV95	75		MWF2	98	
MT47	164		MU12	174		MU77	63		MV96	76		MWF3	98	
MT48	164		MU13	174		MU78	63		MV97	76		MWF4	94	0.10
MT49	164		MU14	174		MU79	63		MV98	76		MWF6	98	
MT50	164		MU15	174		MU80	63		MV99	76		MWF7	329	0.13
MT51	164		MU16	87		MU81	63		MW09	219	0.46	MWF8	329	0.32
MT52	164		MU17	87		MU82	63		MW17	217	0.32	MWF9	329	0.12
MT53	164		MU18	87		MU83	70		MW18	217	0.32	MWG0	329	0.09
MT54	164		MU19	87		MU84	70		MW19	217	0.48	MWG1	330-331	0.61
MT55	164		MU20	87		MU85	70		MW20	217	0.48	MWG2	330-331	0.01
MT56	164		MU21	91		MV40	75		MW21	217	0.71	MWG3	271	1.80
MT57	164		MU22	91		MV41	75		MW22	217	0.64	MWG4	271	1.80
MT58	164		MU23	91		MV42	75		MW23	217	0.64	MWG5	271-272	0.52
MT59	164		MU24	91		MV43	75		MW24	217	0.80	MWG6	271-272	0.06
MT60	164		MU25	91		MV44	75		MW30	165-167-177-201	0.14	MWG7	271-272	0.01
MT61	164		MU26	87		MV45	75		MW31	165-167-177-201	0.32	MWG8	271-272	0.25
MT62	164		MU27	87		MV46	75		MW32	144	0.03	MWG9	266	3.30
MT63	164		MU28	87		MV47	75		MW51	144	0.02	MWH0	266	3.30
MT64	164		MU29	87		MV48	75		MW52	144	0.04	MWH5	266	0.26
MT65	164		MU30	87		MV49	75		MW53	295		MWH6	266	0.34
MT66	164		MU31	309		MV50	75		MW54	295		MWH7	267	3.30
MT67	164		MU32	309		MV51	75		MW67	190-263-266	0.05	MWH8	267	3.30
MT68	164		MU33	309		MV52	75		MW73	98	0.02	MWI1	267	3.00
MT69	164		MU34	309		MV53	75		MW74	98	0.01	MWI2	267	3.00
MT70	164		MU35	309		MV54	75		MW75	98	0.01	MWI7	267	0.26
MT71	164		MU36	309		MV55	75		MW76	98	0.01	MWJ4	333	
MT72	164		MU37	309		MV56	75		MW77	133	0.02	MWJ5	333	
MT73	164		MU38	309		MV57	75		MW78	133	0.01	MWJ6	333	
MT74	167		MU39	121		MV58	76		MW79	133	0.01	MWJ8	333	0.02
MT75	167		MU40	121		MV59	76		MW81	187-201	0.06	MWJ9	333	0.03
MT76	167		MU41	121		MV60	76		MW83	585	0.17	MWK0	333	
MT77	167		MU42	121		MV61	76		MW84	585	0.06	MWK1	333	
MT78	167		MU43	121		MV62	76		MW85	585	0.06	MWK2	333	
MT79	167		MU44	121		MV63	76		MW86	585	0.06	MWK3	333	
MT80	167		MU45	121		MV64	76		MW87	585		MWK4	333-501-576	0.32
MT81	167		MU46	121		MV65	76		MW88	585	0.37	MWK5	333-501-576	0.33
MT82	167		MU47	121		MV66	76		MW89	585		MWK6	585	0.01
MT83	167		MU48	121		MV67	76		MW90	585		MWL3	138	0.05
MT84	167		MU49	121		MV68	76		MW91	585		MWL4	138	
MT85	167		MU50	121		MV69	76		MWA3	187-201	0.03	MWL5	140	0.05
MT86	170		MU51	122		MV70	76		MWA4	187-201		MWL6	140	
MT87	666		MU52	122		MV71	76		MWA5	187		MWL7	138-140	0.09

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MWL8	138-140	0.09	MWV5	221	0.06	MX92	165-182-193		MXL1	330		MXT7	196	
MWL9	138		MWV6	221	0.11	MX93	165-182-193		MXL2	330		MXT8	196	
MWM0	138		MWV7	221	0.11	MX94	165		MXL3	330		MXT9	196	
MWM1	140	0.05	MWV8	221	0.11	MX95	165		MXL4	330		MXU0	196	
MWM2	266	0.56	MWV9	221	0.16	MX96	165		MXL5	330		MXU1	196	
MWM5	140		MWW0	221	0.16	MXA6	165-182-193		MXL6	330		MXU2	196	
MWM6	182-187-201		MWW1	221	0.16	MXA7	165-182-193		MXL7	330		MXU3	196	
MWM8	284	0.17	MWW2	221	0.16	MXA8	165-182-193		MXL8	330		MXU4	196	
MWM9	284	0.51	MWW4	219	0.50	MXB4	187-201		MXL9	330		MXU5	196	
MWN4	279		MWW5	219	0.40	MXB7	165		MXM0	330		MXU6	196	
MWN5	182	0.04	MWW6	219-221	0.08	MXB8	165		MXM1	330		MXU7	196	
MWN6	133	0.02	MWW7	190-219-221	0.11	MXB9	165		MXM2	330		MXU8	196	
MWN7	182	0.25	MWW8	219-221	0.02	MXC0	165		MXM3	330		MXU9	196	
MWN8	182	0.34	MWW9	219-221	0.03	MXC1	165		MXM4	330-331		MXV0	196	
MWP3	329-333-501-576	0.18	MWX0	190-219-221		MXC2	165		MXM5	330		MXV1	182-193	
MWP4	89-91		MWX1	232	0.84	MXD8	165-187-201		MXM7	268		MXV2	182-193	
MWP5	89-91		MWX2	232	1.04	MXD9	165		MXM8	268		MXV3	182-193	
MWP6	268	0.21	MWX3	234	0.68	MXE0	165		MXM9	268		MXV4	182-193	
MWP7	268	0.22	MWX5	232	1.10	MXF0	165		MXN0	268		N000	76	
MWQ8	89		MWX6	232	1.38	MXF1	165		MXN1	268		N001	76	
MWQ9	89		MWY3	182-187-193-201	0.07	MXF2	165		MXN2	268		N002	76	
MWR0	89	0.02	MWY4	182	0.05	MXF3	165		MXN3	268		N003	76	
MWR1	89	0.01	MWY5	182	0.07	MXF4	165		MXN4	268		N004	76	
MWR2	89		MWY6	182	0.05	MXF5	165		MXN5	69		N005	76	
MWR3	123		MWY7	182	0.07	MXF6	165		MXN6	69		N006	76	
MWR4	123		MWY8	182	0.01	MXF7	165		MXN8	330		N007	76	
MWR5	329		MWY9	182	0.03	MXF8	165		MXP6	330		N008	76	
MWR6	329		MX21	182		MXF9	52-511-588-639	0.11	MXP7	58		N009	76	
MWR7	329		MX22	182		MXG3	149-154-157	0.02	MXP8	58		N010	76	
MWR8	329		MX23	182			206-213		MXP9	58		N011	76	
MWR9	219	0.01	MX24	182		MXG4	149-154-157	0.02	MXQ0	170		N012	76	
MWS0	219	0.06	MX25	182			206-213		MXQ1	170		N013	76	
MWS1	219	0.06	MX26	182		MXG5	149-154-157	0.02	MXQ2	330		N014	76	
MWS2	190-219-221	0.02	MX27	182			206-213		MXQ3	331		N015	76	
MWS3	219	0.10	MX28	182		MXG6	115-119-123		MXQ4	331		N016	77	
MWS4	219	0.15	MX29	182		MXH9	177		MXQ5	331		N017	77	
MWS5	219	0.15	MX30	182		MXI0	177		MXQ6	331		N018	77	
MWS6	219		MX31	182		MXI1	177		MXQ7	331		N019	77	
MWS7	219		MX32	182		MXI2	177		MXQ8	331		N020	77	
MWS8	219		MX36	329	0.71	MXI3	177		MXQ9	331		N021	77	
MWS9	219		MX49	233-236	1.40	MXI4	177		MXR0	331		N022	77	
MWT0	219		MX50	233-236	1.60	MXI7	336		MXR1	325		N023	77	
MWT1	219	0.19	MX58	115-119	0.03	MXI8	336		MXR2	325		N024	77	
MWT2	190-221	0.01	MX59	115	0.10	MXI9	336		MXR3	325		N025	79	
MWT3	190-221	0.06	MX60	115-123	0.07	MXJ0	170		MXR4	325		N026	79	
MWT4	190-221	0.06	MX61	115	0.07	MXJ1	170		MXR5	325		N027	79	
MWT5	190-221	0.11	MX62	115-119	0.07	MXJ2	170		MXR6	325		N028	79	
MWT6	221	0.11	MX63	115	0.14	MXJ3	70		MXR7	325		N029	79	
MWT7	221	0.11	MX64	115-119	0.02	MXJ4	69		MXR8	325		N030	79	
MWT8	221	0.16	MX65	115	0.06	MXJ5	69		MXR9	325		N031	79	
MWT9	221	0.16	MX66	219-221	0.03	MXJ6	69		MXS0	325		N032	79	
MWU0	221	0.16	MX67	329	0.65	MXJ7	69		MXS1	325		N033	79	
MWU1	221	0.16	MX70	240	0.07	MXJ8	69		MXS2	325		N034	79	
MWU3	219		MX71	240	0.13	MXJ9	69		MXS3	325		N035	79	
MWU4	219		MX72	240	0.60	MXK0	69		MXS4	309		N036	79	
MWU5	219		MX73	240	0.08	MXK1	69		MXS5	309		N037	79	
MWU6	219		MX76	233-236		MXK2	69		MXS6	309		N038	79	
MWU7	219		MX80	70-272	0.11	MXK3	330		MXS7	309		N039	79	
MWU8	219		MX81	70-272	0.07	MXK4	330		MXS8	309		N040	79	
MWU9	219		MX82	165		MXK5	330		MXS9	309		N041	79	
MWV0	219		MX83	165		MXK6	330		MXT0	309		N042	79	
MWV1	219		MX84	165		MXK7	330		MXT3	336		N043	80	
MWV2	219		MX85	165		MXK8	330		MXT4	336		N044	80	
MWV3	219		MX90	165-182-193		MXK9	330		MXT5	336		N045	80	
MWV4	221	0.06	MX91	165-193		MXL0	330		MXT6	336		N046	80	

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N047	80		N112	83		N177	329		N243	83		N336	196	
N048	80		N113	83		N178	329		N244	83		N337	196	
N049	80		N114	83		N179	329		N245	83		N338	196	
N050	80		N115	83		N180	193		N246	83		N339	196	
N051	80		N116	84		N181	193		N247	83		N340	196	
N052	80		N117	84		N182	193		N248	83		N341	196	
N053	80		N118	84		N183	193		N249	232		N342	196	
N054	80		N119	84		N184	193		N250	232		N343	196	
N055	80		N120	84		N185	193		N251	232		N344	196	
N056	80		N121	83		N186	193		N252	232		N345	196	
N057	80		N122	83		N187	193		N253	233		N346	196	
N058	80		N123	83		N188	193		N254	233		N347	206	
N059	80		N124	83		N189	193		N255	233		N348	206	
N060	80		N125	83		N190	193		N256	233		N349	206	
N061	80		N126	83		N191	193		N257	232		N350	206	
N062	80		N127	83		N192	193		N258	232		N351	189	
N063	79		N128	83		N193	193		N259	232		N352	189	
N064	79		N129	83		N194	193		N260	232		N353	189	
N065	79		N130	83		N195	193		N261	232		N354	189	
N066	79		N131	84		N196	193		N262	232		N355	189	
N067	79		N132	84		N197	193		N263	232		N356	189	
N068	79		N133	84		N198	193		N264	232		N933	70	
N069	79		N134	84		N199	329		N265	233		N934	70	
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N071	79		N136	84		N201	193		N267	233		N936	70	
N072	79		N137	55		N202	193		N268	233		N937	70	
N073	79		N138	55		N203	329		N269	233		N938	70	
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N075	79		N140	55		N205	193		N271	233		N940	70	
N076	79		N141	55		N206	193		N272	233		NM01	84	
N077	79		N142	55		N208	164		N273	181		NM02	84	
N078	79		N143	55		N209	164		N274	181		NM03	84	
N079	79		N144	55		N210	164		N275	181		NM04	84	
N080	79		N145	55		N211	164		N276	181		SH35	297	4.63
N081	80		N146	55		N212	164		N277	181		SH36	297	4.12
N082	80		N147	55		N213	164		N278	181		SH37	297	4.74
N083	80		N148	55		N214	76		N279	181		SH38	297	5.96
N084	80		N149	55		N215	76		N280	181		SH39	297	6.23
N085	80		N150	55		N216	76		N281	181		SM05	295	1.88
N086	80		N151	55		N217	76		N282	181		SM06	295	4.46
N087	80		N152	55		N218	76		N283	181		SM07	295	2.68
N088	80		N153	55		N219	76		N284	181		SM08	295	5.99
N089	80		N154	55		N220	76		N285	180		SM09	295	3.65
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N093	80		N158	55		N224	77		N289	180		SM13	295	2.36
N094	80		N159	55		N225	77		N290	180		SM14	295	5.80
N095	80		N160	55		N226	77		N291	180		SM15	295	3.47
N096	80		N161	55		N227	77		N292	180		SM16	295	3.26
N097	80		N162	55		N228	77		N293	180		SM17	295	5.43
N098	80		N163	55		N229	76		N295	193		SM18	295	5.25
N099	80		N164	55		N230	76		N308	288		SP07	144	0.53
N100	80		N165	55		N231	76		N309	288		SP41	317	0.15
N101	81		N166	55		N232	76		N310	288		SP46	317	0.19
N102	81		N167	55		N233	76		N311	288		SP51	317	0.14
N103	81		N168	55		N234	76		N327	58		SP52	317	0.14
N104	81		N169	55		N235	76		N328	58		SP54	317	0.18
N105	81		N170	55		N236	76		N329	58		SP55	317	0.18
N106	81		N171	55		N237	76		N330	58		SP79	317	0.35
N107	81		N172	55		N238	76		N331	58		SP81	317	0.33
N108	81		N173	329		N239	83		N332	58		T415	609	
N109	81		N174	329		N240	83		N333	58		TBG4	189-190	
N110	81		N175	329		N241	83		N334	58		TBG5	189-190	
N111	83		N176	329		N242	83		N335	196		TBG8	190	

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TY92	189-190		X013	480		X026	601		X090	629-631-633		X115	588	
TY94	190		X014	480		X027	601		X099	516-642		X116	588	
TY95	190		X015	480		X028	601		X100	516		X117	588	
X000	629-633		X016	480		X029	601		X101	516-642		X118	588	
X001	511-618		X017	480		X030	601		X103	516		X119	588	
X002	383		X018	480		X031	601		X104	516-642		X120	588	
X003	383		X019	629-633		X032	601		X105	516-642		X121	610	
X004	383		X020	629-631-633		X033	601		X106	516		X122	610	
X005	383		X021	629		X034	601		X107	516-642				
X009	585		X022	629		X035	601		X111	588				
X010	480		X023	599		X036	601		X112	588				
X011	480		X024	599		X087	599		X113	588				
X012	480		X025	601		X088	599		X114	588				

Colours

A1	Grey / nitric	D9	White / nitric	05	Red	16	Blue	47	White / black
A5	Chrome / nitric	E1	Grey / black / aluminium	06	Yellow	21	Clear and satin	65	Nitric
B5	Grey / white	E4	White / chrome	07	Green	24	Clear transparent	73	Grey / yellow
B6	Grey / transparent	E5	White / grey	09	Sky blue	26	Magenta	74	Grey / black
B7	Nitric / transparent	G16	Anthracite grey	10	Chrome	38	Opal	78	Grey / aluminium
C1	Black / nitric	00	Indeterminate	12	Aluminium	39	White / aluminium	86	Dark metallic grey
D6	Dark grey / aluminium	01	White	13	Steel	40	Black / aluminium		
D7	Cyan	02	Orange	14	Brass	41	White / brass		
D8	White / transparent	04	Black	15	Grey	43	Black / black		

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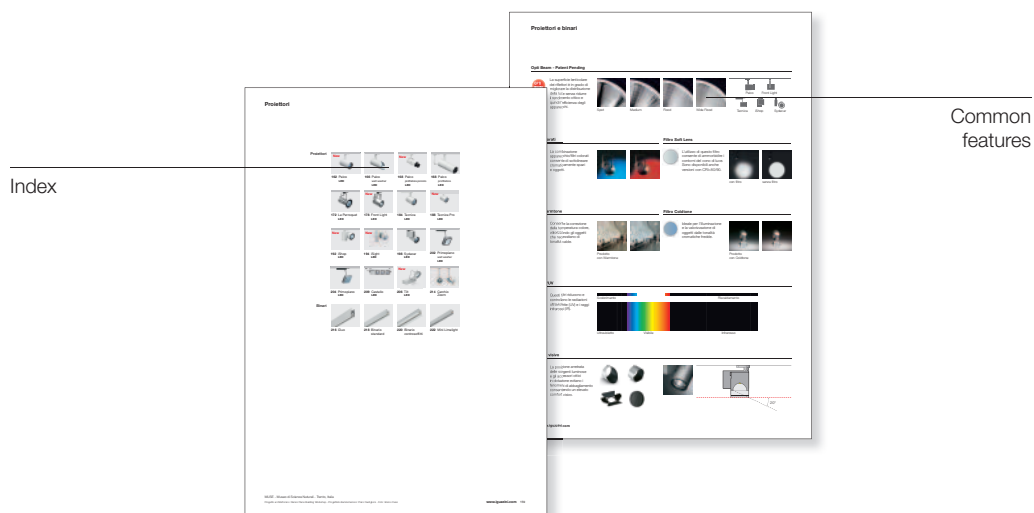
External

357 Albero	636 iPro (Wall and ceiling-mounted luminaires)	552 Light Up Light	610 Outer
361 Anello	509 iPro (Floodlights)	555 Light Up Walk inox	600 Pencil
399 Archilede HP	412 iRoad	548 Light Up Walk professional	534 Platea
417 Argo	645 iRoll 65	493 Linealuce	385 Platea System
424 Argo span-wire installation	375 iRoll 65 System	496 Linealuce recessed	578 Pixy
623 Bliz	582 iRound	483 Linealuce Compact	425 Street
429 CityWoody	592 iTeka (Bollards and Systems for residential areas)	488 Linealuce Compact recessed	612 Tee
656 Comfort	379 iTeka (Pole-mounted systems)	474 Linealuce Mini	627 Trick
372 Crown	596 iWay	478 Linealuce Mini recessed	Radial effect p.628
417 Delphi	634 Kriss	537 Lingotto	Light Blade effect p.630
621 Ellipse	353 La Venaria	575 Lun-Up	Washer effect p.632
435 FrameWoody	586 Laser Blade InOut	664 Master Pro DMX	608 Typha
655 Full	405 Lavinia System	528 MaxiWoody	365 UFO
654 Full Square	563 Ledplus	579 Miniwalky	579 Walky
615 Glim Cube	500 Led Tube	520 Miniwoody	520 Woody
619 iFace	559 Light Up Ballisage	441 MultiWoody	391 Wow
602 iPoint	557 Light Up Garden	449 MultiPro	605 Zyl

Information for the reader

Chapters

Each product category is preceded by an index and, in some cases, introductory pages presenting the common lighting design and technical features.



Presentation

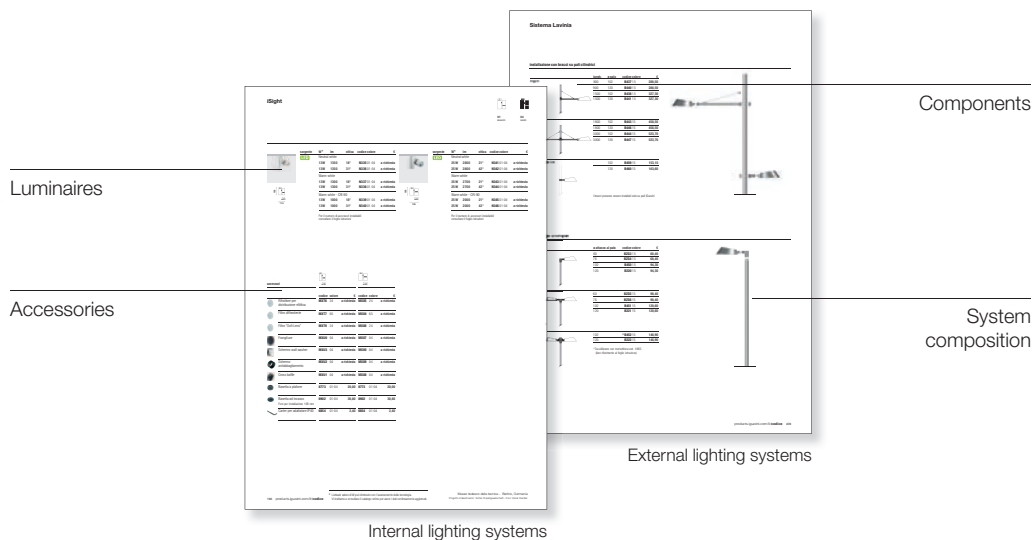
Each product is presented using one or more images which show off its design, applications and dimensions. The specific technical features, optics and lamps are then illustrated. The icons summarise further advantages of the luminaire.



Product codes









This section indicates the codes, prices, description of the luminaires and accessories.

For all LED luminaires, except for pole-mounted systems, the luminous flux and power values are nominal including output. The data sheet of the online catalogue also shows the actual luminous flux value which considers the output of the lamps and of the system.






Degree of protection

The resistance offered by the fixture to the penetration of solids and liquids is indicated by the IP prefix (International Protection) followed by two numbers. The first number identifies the degree of protection against the ingress of solids and the second number against liquids (IEC 529 - EN 60529 publication). The letters IK indicate the level of shock resistance of the luminaire, according to CEI EN 50102.

FIRST IDENTIFICATION NUMBER Degree of protection against penetration of solids.		SECOND IDENTIFICATION NUMBER Degree of protection against penetration of liquids.		LEVEL OF SHOCK RESISTANCE It designates the level of shock resistance according to CEI EN 50102.	
0	Not protected	0	Not protected	IK00	Not protected
1	Protected against penetration of solids larger than 50 mm	1 	Protected against the vertical fall of water drops	IK01	Protected against 0,15 J shocks
2	Protected against penetration of solids larger than 12 mm	2	Protected against the fall of water at a maximum angle of 15°	IK02	Protected against 0,2 J shocks
3	Protected against penetration of solids larger than 2,5 mm	3 	Protected against rain	IK03	Protected against 0,35 J shocks
4	Protected against the penetration of solids larger than 1 mm	4 	Protected against splashes	IK04	Protected against 0,5 J shocks
5 	Protected against the penetration of dust	5 	Protected against jets of water	IK05	Protected against 0,7 J shocks
6 	Completely protected against penetration of dust	6	Protected against waves	IK06	Protected against 1 J shocks
		7 	Protected against the effects of immersion	IK07	Protected against 2 J shocks
		8 	Protected against the effects of prolonged immersion	IK08	Protected against 5 J shocks
				IK09	Protected against 10 J shocks
				IK10	Protected against 20 J shocks

Classification of fittings

Classification of fittings according to the electrical protection.

Class I 	With functional insulation in every part and with earth terminal or clamp if the unit is fixed, or with electric power supply cable complete with earth wires and relative plug with earth contact if the unit is mobile.
Class II 	With double insulation and/or reinforced insulation in every part and without earth connections.
Class III 	Designed for connecting to low voltage circuits, without any internal or external circuit functioning at a voltage different from safety low voltage.

Classification of fittings according to the inflammability of the surfaces used for installation.



The fitting can be installed on normally flammable surfaces.

General information

Product Book 2015

Our complete range of indoor and outdoor light fittings are presented in this catalogue.
A general description of each system is provided followed by a brief description of the fittings in the system with their codes.
Dimensions are expressed in millimetres.

All the light fittings presented in this catalogue have been designed and produced according to Italian CEI 34-21 Regulation unified to European EN 60598-1 regulations, which in turn correspond to international IEC-598-1 regulations.

General conditions

iGuzzini reserves the right to discontinue any products from its collection at any time whatsoever and without prior notice, without prejudice to the essential characteristics of the models described; iGuzzini also reserves the right to make technical and photometric modifications as well as to change any parts, details or finishes deemed suitable for improvement purposes or due to construction and commercial requirements. Goods travel at the customer's risk and peril, even those

sold franco domicile. Any exporting of goods purchased must be authorised in advance and in writing by iGuzzini. The pole + product compositions shown in the catalogue are merely indicative, in particular as concerns the wind-thrust stability test, which should be performed based on both the characteristics of the location and the regulations in force. For installation purposes refer exclusively to the conditions described in the instruction sheet included in the product package and/or on the Web site www.iguzzini.com

The data and information contained in these pages is to be considered indicative and non-binding. iGuzzini reserves the right to cancel, alter, or rectify the data and information for legal and/or technical and/or technological reasons. iGuzzini, in any case, will try to do everything in its power to ensure that all the data and information herein are correct and up-to-date when printed, yet shall not be held accountable if, regardless of various proofreads, there should be inaccuracies and/or errors because of, and not limited to,

legal or technological updates, use of software that is different from that utilized by iGuzzini, and/or issues that are out of Guzzini's control. For information and updates on compatibility of the light sources with the fittings illustrated in this catalogue, reference must be made to the instructions sheets that can be downloaded from the e-catalogue at www.iguzzini.com

These conditions shall apply from 01.01.2015

Safety seals

In order to guarantee operation and safety, public boards have established specific standards which protect the end user against risks. iGuzzini illuminazione in line with its policy of quality and safety, makes products which comply to these standards. The non-electrified components of the system (such as cover plates, couplings, etc.)

cannot be considered as lighting fixtures and therefore are not included in the standards used by the Quality Seal Institutes for their classification. However, all the components of the certified systems have been tested by the said Institutes to ensure compatibility and safety. The luminaires in the iGuzzini collection are designed in

conformance with European standards EN 60598-1 and more specific ones, therefore meeting these requirements in full, including the maximum temperatures allowed and considering the ambient temperature to be 25°C. Please contact the company in case of countries or applications with especially severe temperature

requirements (i.e. fluorescent luminaires in low temperature areas, LED luminaires in high temperature areas, etc.) or different microclimatic features (i.e. swimming pools, explosion-risk zones, etc.). For the correct installation of the luminaires, always consult the instruction sheet provided with the product.

Guarantee

iGuzzini warrants that their products are free from any defect in manufacturing and/or material in case of proper use, for a period of five years from the date of the

invoice prior to online registration at www.iguzzini.com and acceptance of specific conditions. In any case, iGuzzini recognises the warranty rights foreseen by the law.

Information

For enquiries, remarks and service needs, please contact the reference company for your geographical area (see details in this catalogue).

Icon captions

	luminaire angle relative to the horizontal plane		emergency lighting		color rendering index		no upward emission of the light flow
	luminaire rotation about the vertical axis		RGB versions		multiwatt ballasts		luminaires with high visual comfort
	graduated scale and mechanical aiming lock		Real White versions		compatibility with light management systems		replaceable driver unit and control gear
	adjustable optic		White Tuning versions		lighting management systems for single-environment		replaceable LED unit
	double adjustability of the optics		Opti Beam high-performance reflectors		lighting management systems for multi-environment		operation in extreme conditions
	floor-flush luminaire		Opti Smart high-performance reflectors		dimmable using standard controls for fluorescent lamps		self learning driver
	static load resistance		double starting		dimmable using standard controls for LEDs		CLO Optimizer
	temperature of contact		luminaires ideal for interiors with video terminals		preconfigured light management systems		bi-energy systems
	luminaire reduced height		installation without tools		compatibility with DALI protocol		twilight photocell
	millimetric regulation of suspension cables		dimmable luminaire		compatibility with DMX protocol		daylight sensor
	interchangeable reflector		floor washer		compatibility with KNX protocol		time programming
	high output		indicator lighting		compatibility with LON protocol		surge protection
	adjustment of light beam opening		impact resistance		pass-through wiring		telemanagement
	IGBT technology		presence detector		class II, set up for class I		0-10 volt

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