

Internal and external lighting systems

iGuzzini

New 2009-2010



MODUL

ELECTRO

www.modulelectro.ru

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This catalogue shows the New products in the 2009-2010 range. The information on all the other iGuzzini fittings is available in the following catalogues:

Internal lighting systems

The internal catalogue presents indoor fittings divided into the following systems:
 Light management systems, Biodynamic light systems, RGB systems, Mains voltage spotlights and tracks, DALI spotlights and tracks, Low voltage spotlights and tracks, Modular sectional systems, Systems and professional fluorescent pendant, Professional pendant luminaires, Ambient lighting pendant luminaires, Multy-optical assembly luminaires, Professional low-luminance recessed luminaires, Professional wall-washer recessed luminaires, Professional mains and low voltage recessed luminaires, Mains and low voltage recessed luminaires, Professional low-luminance fluorescent recessed/ ceiling-mounted luminaires, Professional fluorescent recessed/ ceiling-mounted luminaires, Ceiling-mounted luminaires, Ceiling/wall-mounted luminaires, Professional wall-mounted luminaires, Ambient lighting wall-mounted luminaires, Emergency lighting luminaires, Wall/floor recessed luminaires, Table lamps, Floor lamps, Feature lighting.



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External lighting systems

The External catalogue presents outdoor fittings divided into the following systems:
 Light management systems, Indirect lighting systems for urban areas, Direct lighting systems for urban areas, Lighting projector systems for urban areas, Lighting systems with diffusers for urban areas, Light flow regulation device for pole-mounted systems, Pendant luminaires, Professional fittings with dynamic colour changes, Floodlights, Wall/ceiling-mounting fittings, Ceiling-mounted fittings, Recessed fittings for driveways, Recessed fittings for pedestrian areas, Wall-washer luminaires, Specific lighting effect luminaires, Systems for residential areas, Pathway fittings for residential/ public areas, In-ground spike luminaires, Wall-mounted luminaires, Recessed fittings.



iGuzzini can grant an additional warranty against defects of products for 3 years after the two-year warranty upon on-line registration at www.iguzzini.com and acceptance of specific conditions.



Fittings that guarantee energy saving are marked with this symbol.



For the ENEC mark see the page code reference at the end of catalogue.

Internal lighting systems

Lighting management systems



6 **LMS Quick**
(DALI protocol)



10 **Master Pro**
update

Mains voltage spotlights



28 **Front Light**
small body



28 **Front Light**
large body

Mains voltage and DALI spotlights



14 **Primopiano LED**
small body



14 **Primopiano LED**
large body



14 **Primopiano**
small body



14 **Primopiano**
large body



22 **Sydecar**
small body



22 **Sydecar**
medium body



22 **Sydecar LED**
medium body



22 **Sydecar**
large body

Modular sectional systems



30 **Bespoke**

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Professional fluorescent luminaires



70 **Lens**
recessed



70 **Lens**
plafone



70 **Lens**
pendant



78 **iN 90-iN 60-iN 30**
recessed



78 **iN 90-iN 60-iN 30**
ceiling-mounted



78 **iN 90-iN 60-iN 30**
pendant



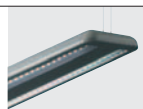
92 **i88**
ceiling-mounted



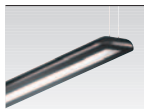
92 **i88**
pendant



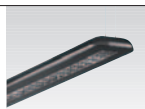
92 **i88**
continuous line



98 **Blacklight**



104 **Mini Blacklight**
general light



104 **Mini Blacklight**
dark light



104 **Mini Blacklight**
continuous line



110 **Mixto**



110 **Mixto**

Professional recessed luminaires



38 **The Reflex professional** fixed round 38 **The Reflex professional** fixed square 38 **The Reflex professional** adjustable 38 **The Reflex professional** wall-washer

Mains and low voltage recessed luminaires



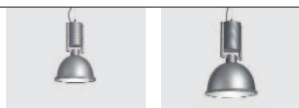
50 **Deep Laser** round 50 **Deep Laser** square 56 **Pinhole** fixed 56 **Pinhole** adjustable

Ceiling/wall-mounted luminaires



62 **X26** recessed 62 **X26** ceiling-mounted

Professional pendant luminaires



116 **Rib** small body 116 **Rib** large body

Feature lighting



122 **Ledstrip** RGB 122 **Ledstrip** 2400K 122 **Ledstrip** 3000K 122 **Ledstrip** 4000K 122 **Ledstrip** 6000K

Extended Range



126 **Minimal/Frame** LED 126 **Minimal/Frame** HI-PAR 51 128 **Laser LED** fixed 128 **Laser LED** adjustable



129 **Light Shed** MH 130 **Pixel Plus** LED 131 **Carter** IP40

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External lighting systems

LED systems
for urban areas



132 **Archilede**



132 **Delphi**
small body



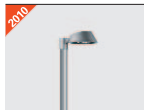
132 **Delphi**
large body



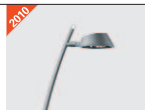
132 **Argo**
small body



132 **Argo** span-wire
installation LED



132 **Lavinia**
small body



132 **Lavinia**
large body

Direct lighting
systems for
urban areas



168 **Delphi**
small body



168 **Delphi**
large body



168 **Argo**
small body

Lighting projector
systems for
urban areas



150 **MultiWoody**
horizontal arms



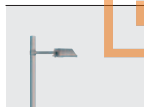
150 **MultiWoody**
wall-mounted



150 **MultiWoody**
wall-mounted



150 **CityWoody**



184 **Platea 102**



184 **Platea 102**



184 **Platea 102**



184 **Platea 102**
wall-mounted

Floodlights



150 **MaxiWoody**
compact



190 **iPro**
small body



190 **iPro**
medium body



190 **iPro**
large body

Down-light recessed
luminaires



200 **iRound**



200 **iRound**

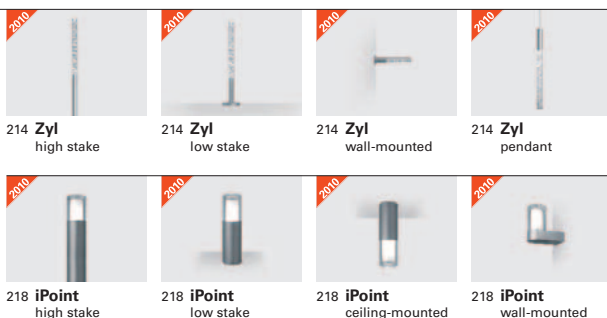
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Recessed fittings
for pedestrian areas



208 **Light Up Walk**
inox LED 208 **Light Up Walk**
inox small body 208 **Light Up Walk**
inox large body

Systems for
residential areas



214 **Zyl**
high stake 214 **Zyl**
low stake 214 **Zyl**
wall-mounted 214 **Zyl**
pendant

218 **iPoint**
high stake 218 **iPoint**
low stake 218 **iPoint**
ceiling-mounted 218 **iPoint**
wall-mounted

Extended Range



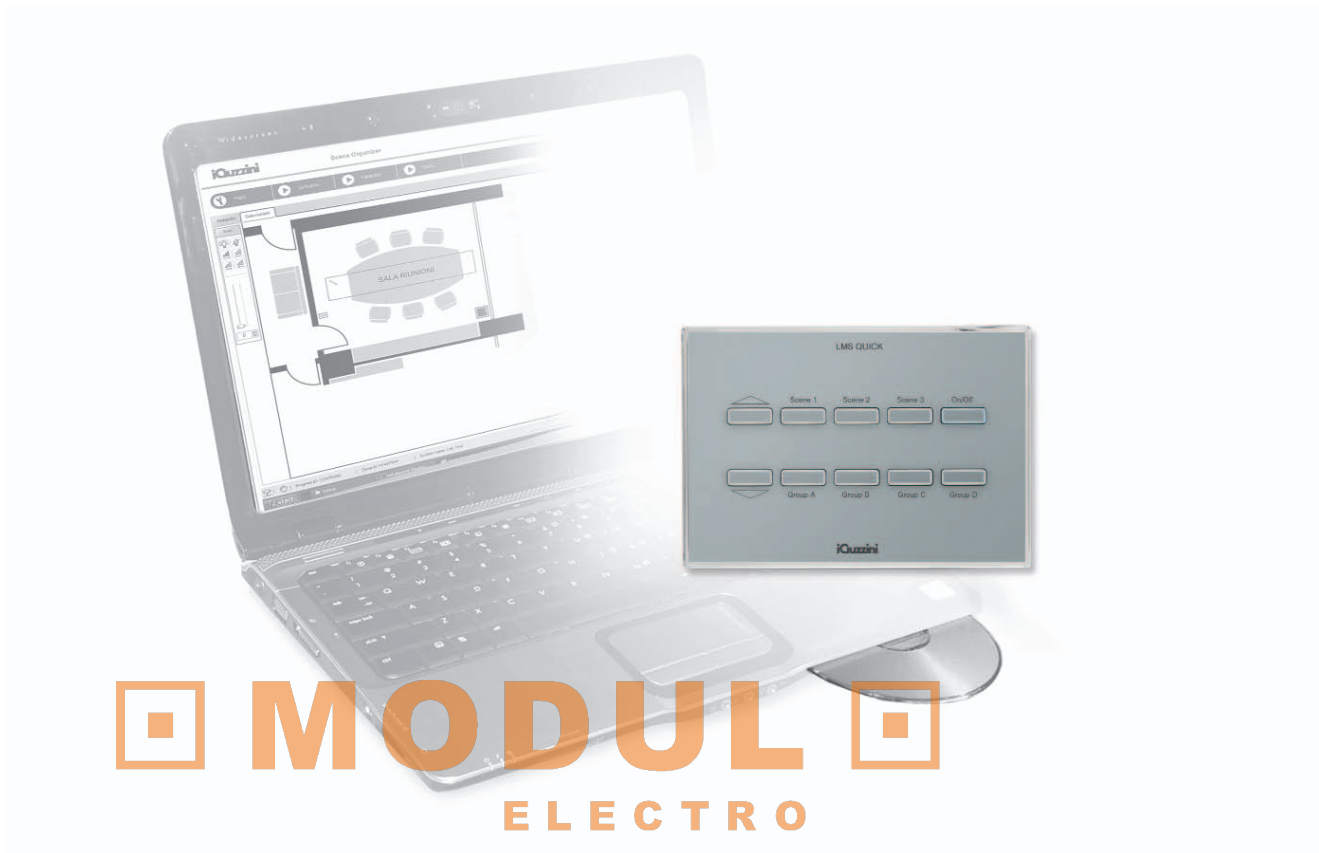
222 **MiniWoody** HIT 223 **Pixy** LED 223 **Pixy** LED
ceiling-mounted 224 **Miniwalky** LED 224 **Miniwalky** LED

225 **Comfort** HIT 225 **Comfort** HIT 226 **Light Up Walk**
professional/light HIT 226 **Light Up Walk**
professional/light HIT

227 **Light Up Garden**
LED 227 **Light Up Garden**
HIT 228 **Light Up**
Balisage HIT 229 **Linealuce** LED
elliptical optic

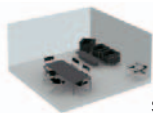
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Lighting distribution	237
General conditions	237
Code/page reference	238
Alphabetical index	246
Colours	246



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Single-environment



LMS Quick DALI joins the wide range of iGuzzini light management systems to give a simple intuitive answer to the lighting requirements of single-area spaces where the correct light must be provided in the correct amount and at the correct time. It is an open management system that uses the DALI communication protocol to create customised flexible lighting directions while ensuring maximum energy saving.

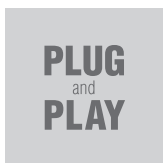
Lighting converts the space in a cosy setting where light and colour come to life and arouse emotions in a dynamic sequence of perceptive variations. The control panel allows to select and play different light and colour scenes according to the desired effects and atmospheres.



DALI light management 64 addresses



RGB management



Plug and Play



iGuzzini infrared control (compatible with universal infrared control)



Customized cover



iGuzzini keypad compatible with Eurostandard and Schuko junction boxes



Standard push-button panel

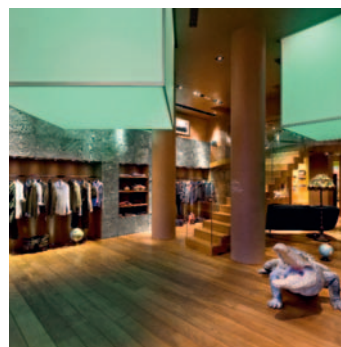


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Daylight



RGB

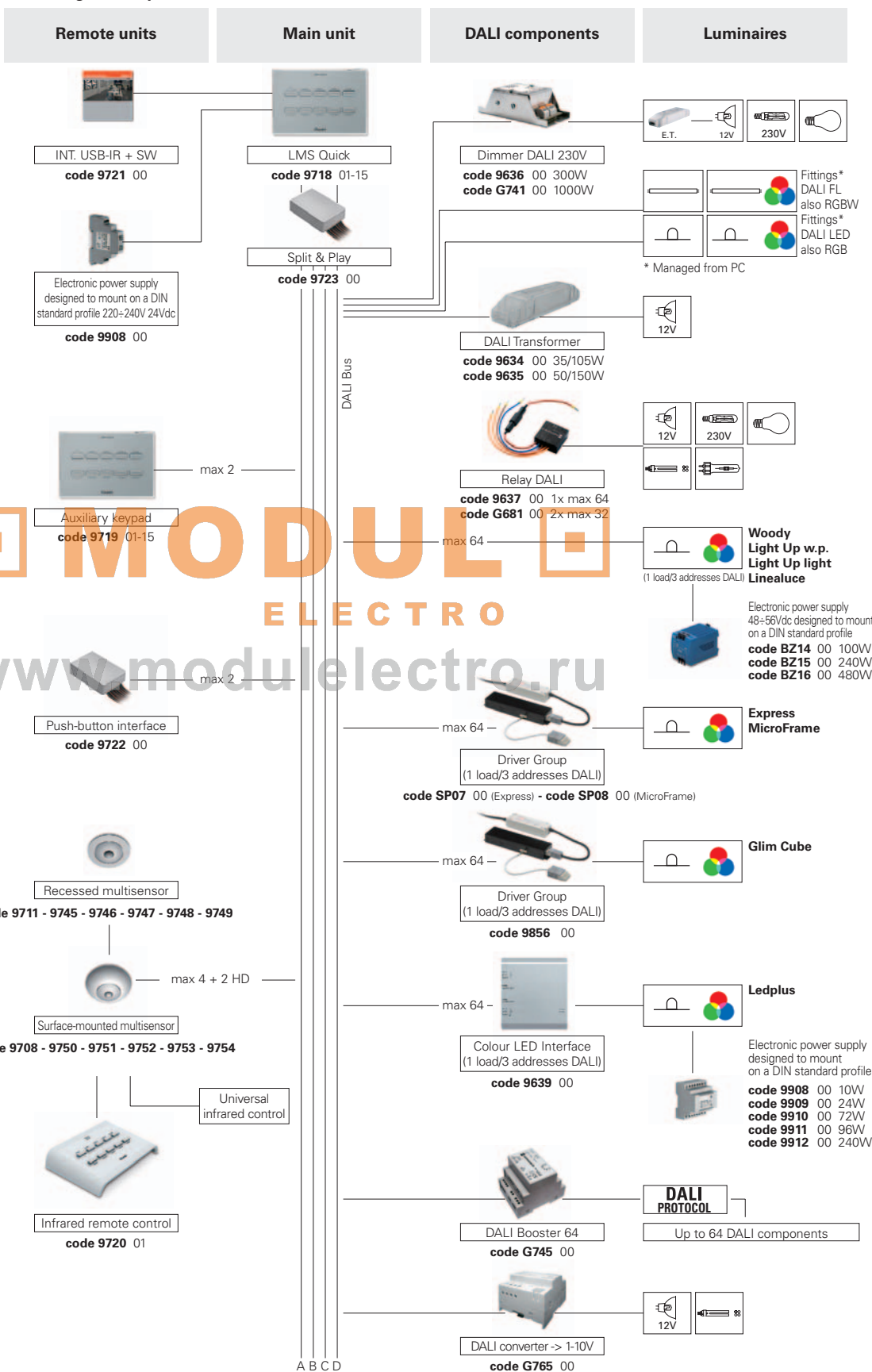
Photo: Germano Borrelli

Milan - Italy: Napapiiri store

LMS Quick
64 DALI addresses

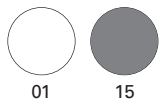
Used to control all luminaires with + and - keys. Used to switch on/off and control groups of light sources A, B, C and D separately and play max. 3 lighting scenes. Used to switch on/off luminaires in entire space with On/Off key. In case of at least one multisensor, lighting scene 3 will set the automatic 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).

Block diagram of system



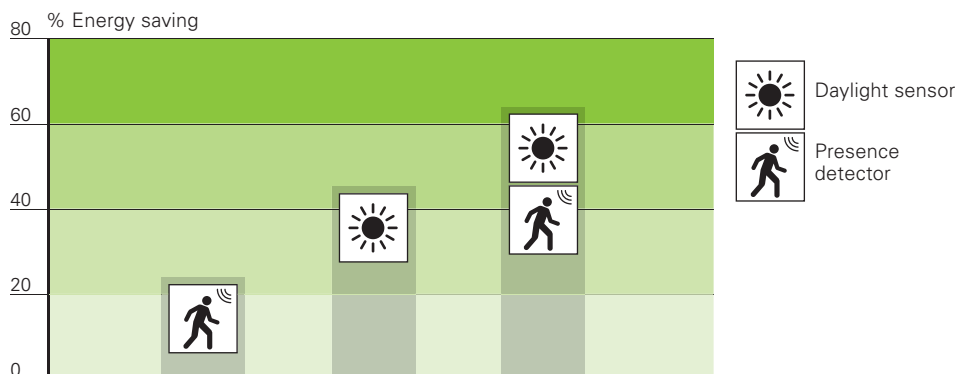
Lamp management

- Halogen L.V. 12V
- Halogen 230V
- Incandescent
- Fluorescent
- Metal halides
- LED



Energy saving table

The chart shows how the use, either individual or combined, of specific light control functions (daylight sensor, predefined scenes, lamp group management and PC programming) can increase the functionality of LMS Quick DALI, achieving high energy saving.



Example of office payback

The example considers an office with medium-large lighting installation. Data shows that with an additional expense of € 2817,00 (net prices) - which includes DALI products, LMS QUICK DALI protocol and 3 daylight sensors - after 2 years the customer enjoys annual saving of € 1437,00, with a total saving of € 23000,00 after 18 years (office average life).

N° 57 luminaires	Emed	Annual energy cost €	CO ₂ emitted every year	Saving € in 18 years	CO ₂ reduction in 18 years
Wide Plus 2 x 54 WT16 electronic	550 lux	3511,00	8,2 t	-	-
Wide Plus 2 x 54 WT16 DALI + remote control and 3 Daylight sensor	550 lux	2106,00	4,92 t	23000,00	59 t

Moreover, the use of the light management system guarantees longer lamp life with considerable reduction of maintenance costs. The payback method consists in determining the time needed for a negative financial flow to be paid back by positive financial flows.

The energy cost is calculated at 0,187€/kWh with operating time of 235 day/year for 12 h/day.

MODULO

Main unit / components / accessories	code
Quick DALI (keypad whit 10 keys + built-in controller)	9718
Auxiliary keypad with 10 keys	9719
IR receiver Colour 01	9720
USB-IR Interface + software Colour 00	9721
Push-button interface (45x45x16 mm) Colour 00	9722
Split&Play device (45x45x16 mm) Colour 00	9723
Electronic power supply designed to mount on a DIN standard profile Colour 00	9908

Main unit / components / accessories	code
Recessed IR + Lux + HD multisensor Colour 01	9711
Recessed IR + Lux multisensor Colour 01	9745
Recessed Lux + HD multisensor Colour 01	9746
Recessed Daylight sensor Colour 01	9747
Recessed Human Detector Colour 01	9748
Recessed IR sensor Colour 01	9749
Surface-mounted IR + Lux + HD multisensor Colour 01	9708
Surface-mounted IR + Lux multisensor Colour 01	9750
Surface-mounted Lux + HD multisensor Colour 01	9751
Surface-mounted Daylight sensor Colour 01	9752
Surface-mounted Human Detector Colour 01	9753
Surface-mounted IR sensor Colour 01	9754

Minimum configurations for system operation are:
 solution 1 - **9718 + 9908 + 9723**
 solution 2 - **9718 + 9908 + 9721**



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Light Building Management



Foto: archives iGuzzini

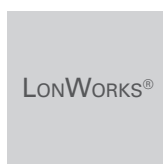
Vinusa - Lithuania, Lithuanian Parliament

In a frantic, dynamic society where speed and flexibility in contacts and movements are key factors for competitiveness, iGuzzini updates its offer to give a fast, practical answer to modern lighting needs. This is the birth of Master Pro Update: the system increases the current potential and advantages of Master Pro, by managing lighting fixtures with the modern hand-held technology that has become a must in professional working environments. Compatible with Nokia N900, N810, N97, N97 mini and 5800 versions, Master Pro Update breaks the barriers of time and space, operating in full automation for the creation of versatile lighting and colour scenes in multi-space buildings, by simply keying in data on your hand-held computer.

It is a high-performing and versatile, yet user-friendly, system. Luminaires can be switched on/off or dimmed either manually or automatically by using sensors that adjust artificial lighting to balance the amount of daylight, or with human detectors and calendar programming. Lighting scenes and sequences can be stored and played using the keypad of the hand-held device, a button of the control panel or a key on the infrared control. Lighting direction also includes RGB luminaires.



DALI protocol management up to 32,000 nodes



LON protocol



RGB Management



Lamp status analysis



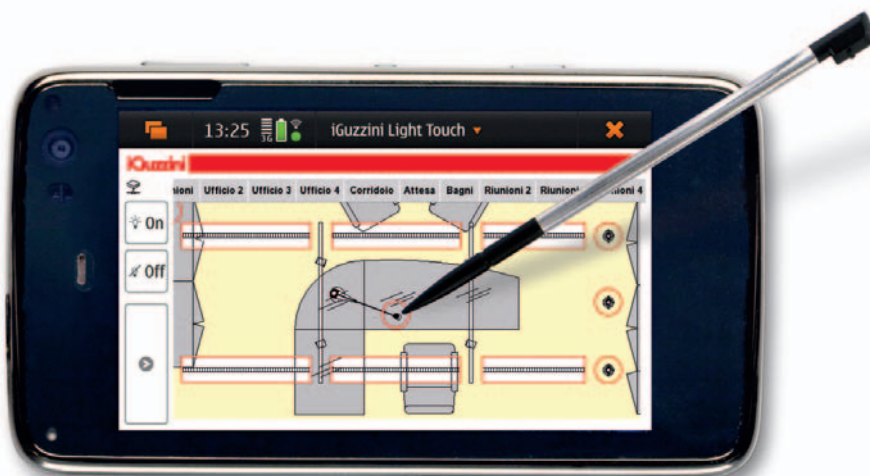
Remote control



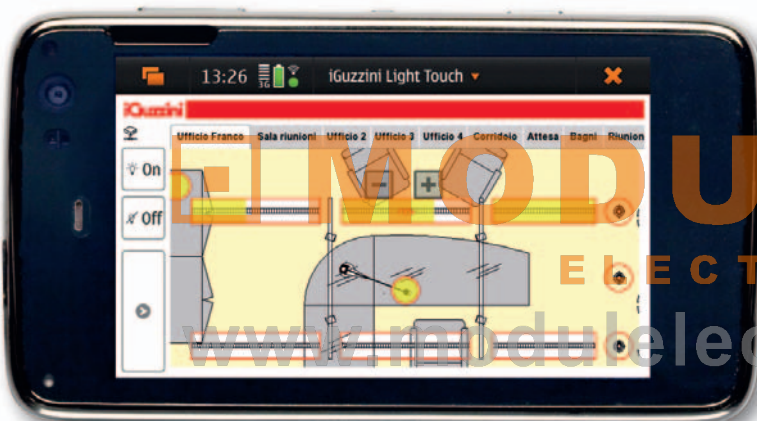
Compatible with Eurostandard and Schuko junction boxes



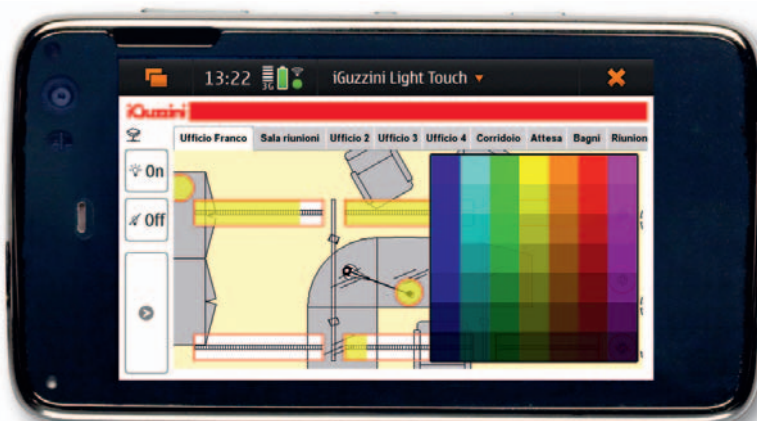
Compatible with: Nokia (N900, N810, N97, N97 mini, 5800)



The map of the reference space is displayed on the bottom of the screen. Click directly on the display by dragging the pen or scroll the scroll tabs to move in the desired direction and manage the existing luminaires.



You can dim each single lamp anywhere in the building by keeping the lamp icon pressed until you reach the desired intensity.

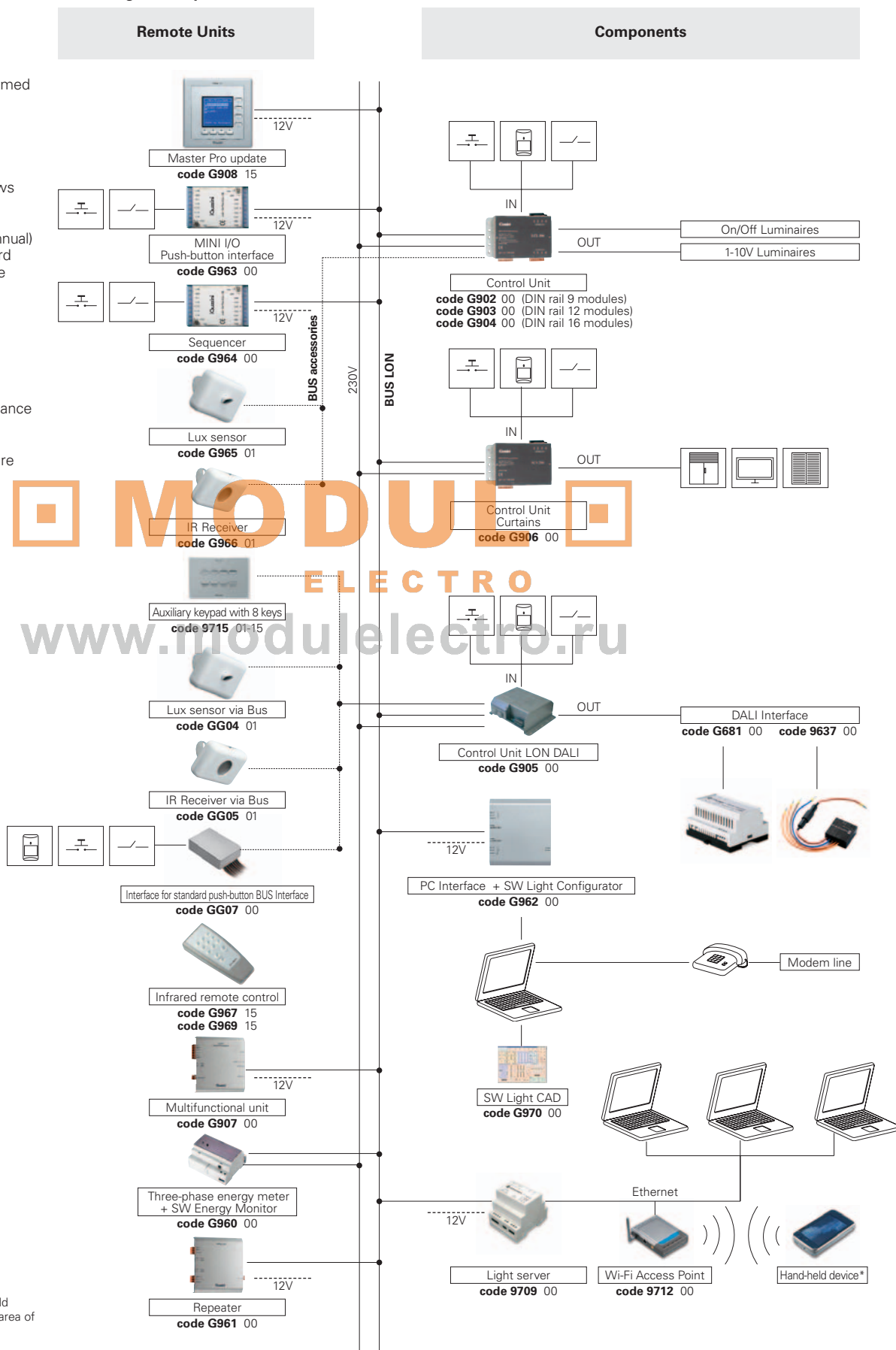


In case of RGB light sources keep the lamp icon pressed to select from the palette the most suitable colour for the light scenes.

Master Pro update
up to 32,000 nodes

- Light management (ON/OFF, dimmer, light scenes, programmed sequence of scenes)
- Automated light management by using sensors (motion, lux control, twilight)
- Automated management of motorised curtains and windows
- Detection and control of plant consumption
- Timed events (daily, monthly, annual)
- Local controls by using standard buttons, control panels, remote control, PC software, software on wireless hand-held device.
- Remote management through an Internet plant (TCP-IP)
- Memorisation of work status and reset in case of blackout
- Memorisation of lamp hours, for plant programmed maintenance
- Number of expandable nodes: up to 32,000 units
- Scalable and flexible architecture
- Compatible with DALI 1-10V and LON systems

Block diagram of system




Auxiliary service management

- Button
- Switch
- Motion Detector **code 9843**
- Curtains
- Screen for projection
- Fixtures

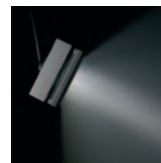
*The software for installation in hand-held device will be available in the download area of www.iguzzini.com



Main unit / components / accessories	code	Main unit / components / accessories	code
 Master Pro control panel + Panel Host software	G908	 Infrared remote control	G967
 LCL 604 control unit Colour 00	G902	 Motion detector Colour 01	9843
 LCL 608 control unit Colour 00	G903	 Light sensor Colour 01	G965
 LCL 622 control unit Colour 00	G904	 IR receiver BUS interface Colour 01	GG05
 LON-DALI 64 control unit Colour 00	G905	 Totally programmable IR remote control	G969
 Blinds module Colour 00	G906	 Light sensor via Bus Colour 01	GG04
 Multifunctional unit Colour 00	G907	 DLC RM-1X DALI 1X dynamic relays	9637
 Repeater Colour 00	G961	 Interface for standard push-button BUS Interface (45x45x16 mm) Colour 00	GG07
 Three-phase energy meter + energy monitor software Colour 00	G960	 DLC-RM 2X DALI DALI 2X Electronic Relays Colour 00	G681
 PC Interface + Light Configuration Software Colour 00	G962	 Wi-Fi Access Point Colour 00	9712
 MINI I/O Button interface Colour 00	G963	 Light Server from DIN bar Colour 00	9709
 Sequencer - programming unit Colour 00	G964	 8-key office keypad Colour 01-15	9715
 IR receiver Colour 01	G966		



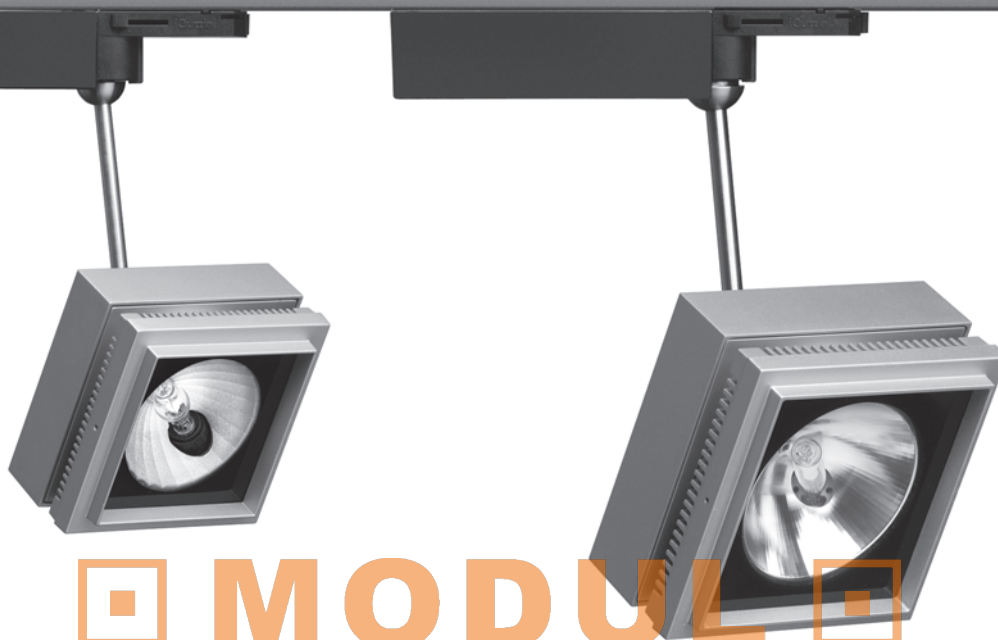
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Performing optics



Wide range accessories

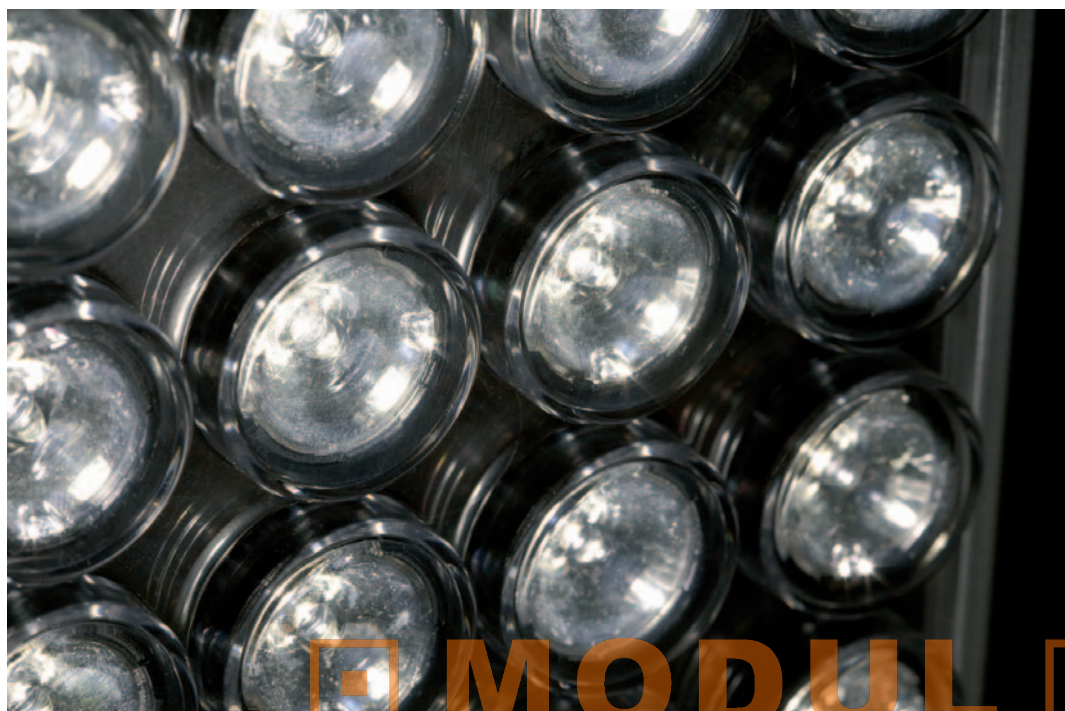


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The design is full of originality and sophistication, with an essential square shape that recalls the old optical bench cameras, converting the space in a sort of photographic set. Innovation stems from a genius mind and plays with the need of creating a lighting fixture that conjugates quality and excellent performance with modern design and high-level aesthetics. This amazing luminaire integrates with strong personality and determination in different application settings, especially museums and

retail areas. Primopiano is available in two sizes and two versions - one with LED - with the peculiar light sources in visible position and coated with polycarbonate material, and one with traditional, yet last-generation lamps. A wide range of interchangeable accessories boosts the potential of this innovative spotlight, giving life to versatile lighting directions that comply with flexibility and precision to multiple market needs, while always guaranteeing maximum luminous efficiency.



Primopiano takes advantage of the LED technology to deliver high performances and maximum energy saving. According to the innovative design, the LED light sources protrude from the front frame, in visible position to exalt the formal line and visual impact, protected by a special polycarbonate screen. Primopiano is available in a 16-LED large body version and in 9-LED small body version to adjust at best to the application settings. The spot and medium optics guarantee an excellent distribution of the light, with narrow, exact light cone or wider beam according to the specific needs.

MODUL

Small body 9 LED



9W LED \approx 50/75W HAL

The LED/HAL comparison refers to the luminaire output.



Large body 16 LED

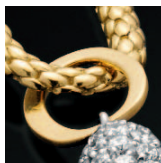


16W LED \approx 75/100W HAL



Retails areas and museums require precise, yet extremely flexible, lighting, studied to illuminate the space while highlighting metal objects, fabrics or artworks. The neutral and warm white and warm white IRC 90 colour temperatures fully perform this task, adapting to any type of settings.

LED Warm white IRC 80



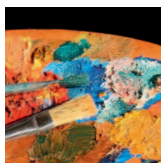
Warm, comfortable light to exalt gold and jewels. Ideal for jewellery shops.

LED Neutral white IRC 75



Bright light to valorise items in boutiques and stores.

LED Warm white IRC 90



The chromatic rendering index makes the artificial light spectrum very similar to daylight. Ideal for museum spaces.



External frame, main body and reflectors are entirely made of superpure aluminium. Optimised spot and flood optics offer the best lighting direction possible: accent light underscores small elements and details and the wider light beam illuminates larger objects. This newly conceived spotlight uses high-performing innovative light sources, studied to offer an infinite array of possibilities, while effectively answering to the most diverse lighting needs. CDM-Tm, QT-12 and CDM-Tc lamps guarantee high luminous efficiency and remarkable energy saving, thus contributing to reduce CO₂ emission in the atmosphere.

Primo piano guarantees the most suitable luminous output levels in accordance with the specific use and application, in full compliance with requirements and minimum values established by the ECA (Enhanced Capital Allowance) standard approved by the British government and crucial for places that must reduce energy and economic waste, such as retail areas and museums.

MODUL

HIT (PGJ5)



"Warmtone" filter for colour temperature correction.

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HIT (G8,5)



"Coldtone" conversion filter to illuminate and enhance objects with cold shades.



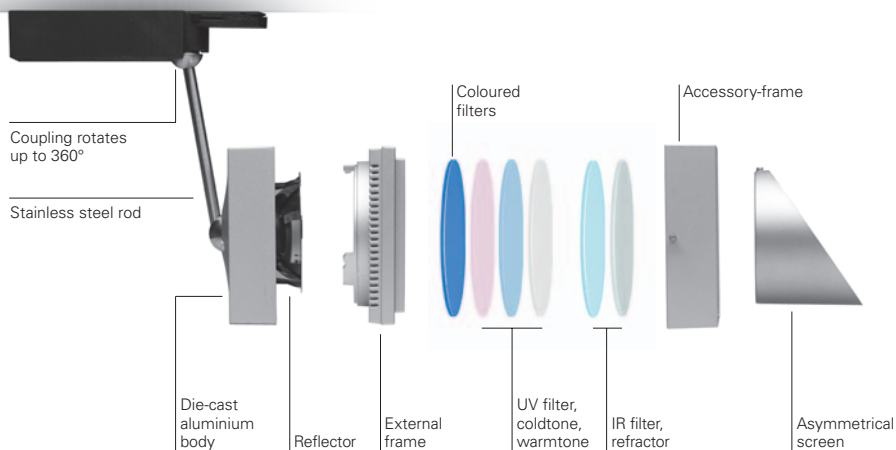
Primopiano is characterised by high flexibility of application thanks to the numerous interchangeable accessories available. The spotlight is provided with an accessory-holding frame for maximum two flat accessories (i.e. IR, UV filter or refractor) and one external accessory and asymmetric diffuser.

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No special tools are necessary to install or remove accessories for practical purposes.



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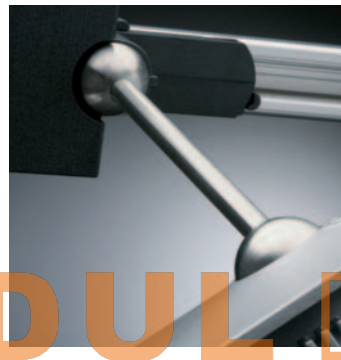




Rotation lock on horizontal plane

Primopiano is provided with a specific system that allows for 90° rotation with respect to the horizontal plane and 360° rotation around the vertical axis. A practical stainless steel articulated arm facilitates movements, ensuring

total versatility and adjustability to any type of space and need. Moreover, the mechanical locks for aiming allow for accurate adjustment of the inclination, firmly holding the fitting in position after setting the direction of the light beam.

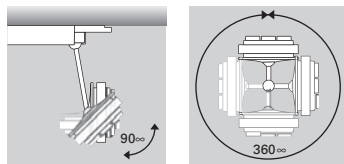


MODULO

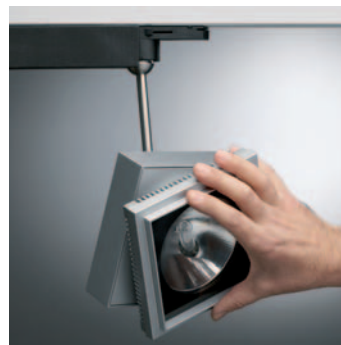


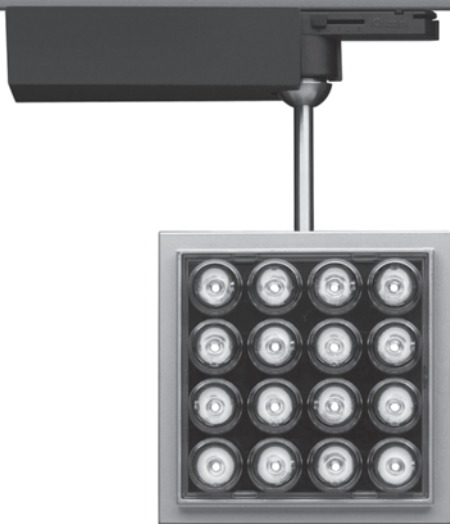
Rotation lock around vertical axis

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Primopiano boasts an improved opening and closing system of the external frame of bayonet type, which makes maintenance and relamping easier, cutting down on time.





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- Adjustable spotlights with adapter for installation on mains voltage tracks. Available also in DALI versions for use on DALI tracks.
- Very low voltage halogen lamps, metal halide lamps and LEDs.
- Die-cast aluminium body, lenses and power supply box made of thermoplastic material, stainless steel rod for internal passage of electrical cables.
- 2 different sizes with wide selection of accessories.
- The luminaire can be rotated by 360° around the vertical axis and by 90° with respect to horizontal plane.
- The spotlight is provided with friction devices and mechanical locking mechanisms for stable aiming.
- Easy maintenance due to bayonet opening system, only for hal and MH versions.
- Models with circuit equipped with 9 or 16 high-performing LEDs with monochromatic emission complete with electronic control gear and available in:
 - warm white (3100K) CRI 80
 - warm white (3100K) CRI 90, 2 Step Mac Adam ellipses
 - neutral white (4200K) CRI 75.
- LED optics with plastic lenses with narrow or medium beam with polycarbonate protection screen.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20
- F seal
- ENEC approval (for halogen and metal halide versions)
- Class of Insulation I

* (MacAdam 1942 Visual sensitivities to color differences in Daylight J. Opt. Soc. Am. 32:247-274)



Heat dissipator



Easy maintenance



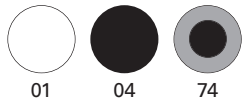
Mechanical locking mechanism for aim



Vertical installation



DALI light management for LED/HAL models



Registered Design - Patent Pending

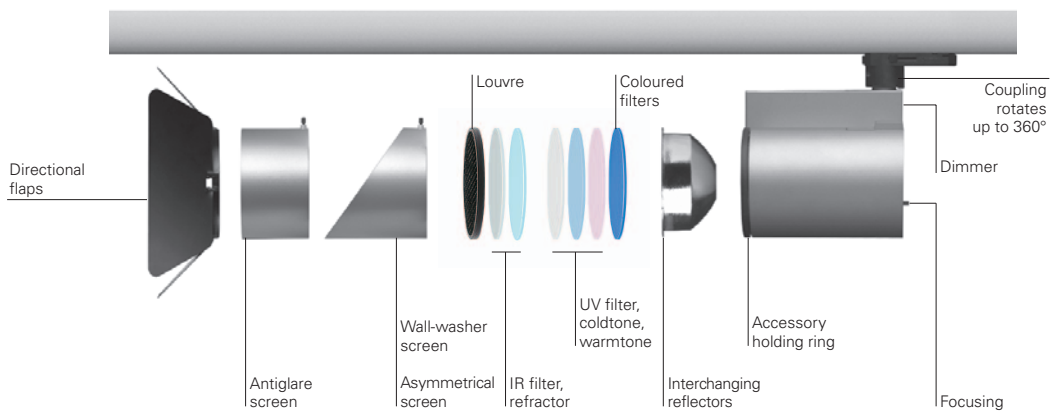
		LED				
luminaire	control gear	code	optic	IRC	lamp	
small body 	ELECTRONIC	M529		85	9x1W LED warm white	
		M530		85		
		M640		90		
		M641		90		
		M642		85		
		M643		85		
	DALI	M531		85	9x1W LED neutral white	
		M532		85		
		M644		90		
		M645		90		
		M646		85		
		M647		85		
large body 	ELECTRONIC	M533		85	16x1W LED warm white	
		M534		85		
		M648		90		
		M649		90		
		M650		85		
		M651		85		
	DALI	M535		85	16x1W LED neutral white	
		M536		85		
		M652		90		
		M653		90		
		M654		85		
		M655		85		

		HIT - QT12				
luminaire	control gear	code	optic	lamp		
small body 	ELECTRONIC	M517		20 W HIT (PGJ5)		
		M518		20 W HIT (PGJ5)		
		M519		35 W HIT (PGJ5)		
		M520		35 W HIT (PGJ5)		
		ELECTRONIC DIMMABLE	M521		50/75 W QT 12	
			M522		50/75 W QT 12	
	DALI		M523		50/75 W QT 12	
			M524		50/75 W QT 12	
			M525		35 W HIT (G8,5)	
			M526		35 W HIT (G8,5)	
		M527		70 W HIT (G8,5)		
		M528		70 W HIT (G8,5)		
large body 						

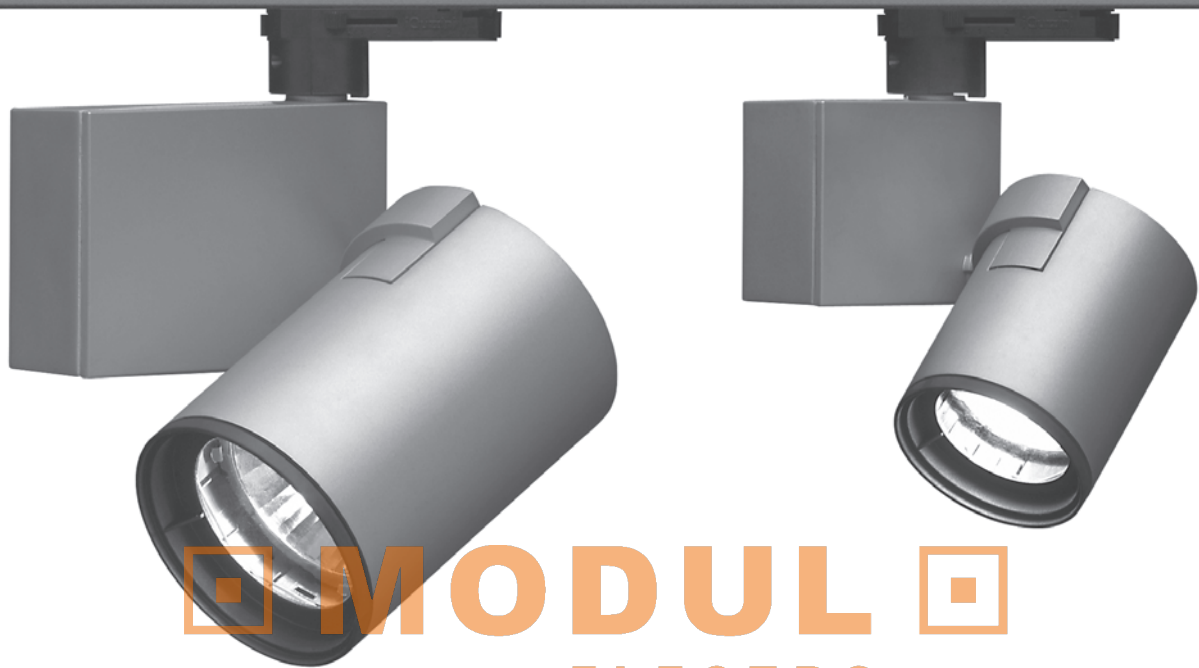
accessories	small body	large body
Refractor for elliptical distribution of the light flow Colour 24	MWD6	1192
Refractor for elliptical distribution of the light flow for LED version Colour 24	MWD7	MWD8
Coloured filters Colour 05-06-09	8783	9537
IR filter Colour 24	8787	MWD9
UV filter Colour 24	6898	4498

accessories	small body	large body
Warmtone filter Colour 24	MWE0	MW38
Coldtone filter Colour 24	MWE1	MW41
Accessory-frame (max. 2 accessories at same time) Colour 01-04-15	MWD0	MWD1
LED accessory-frame (max. 1 accessory) Colour 01-04-15	MWD2	MWD3
Wall washer asymmetrical screen with diffusing filter Colour 01-04-15	MWD4	MWD5

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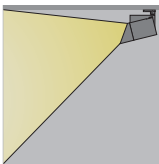


LED version

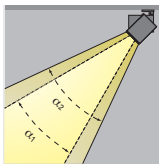


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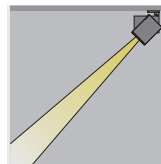
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Wall Washer
accessory



Flood Optic



Spot Optic

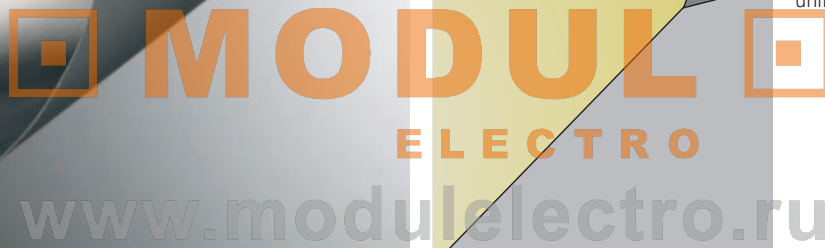
It is a spotlight with linear compact design that integrates the optical assembly and the control gear in the same element. Available in three sizes, Sydecar is characterised by extreme flexibility and very high performances. The wide selection of light sources, the optics, the interchangeable reflectors and the large range of accessories give life to versatile, lively lighting directions to meet the special requirements of retail areas with high performances and clear design to appeal to customers.

Designed to ensure maximum integration and safe use, the body of the luminaire can rotate in both directions. The mechanical locks for aiming and the focusing device ensure "exact" lighting directions. Installed in ceilings and walls, either vertically or horizontally, Sydecar integrates with minimal visual impact in exhibition spaces, such as boutiques, showrooms, shops, shopping centres, malls and supermarkets and museum spaces.



Sydecar is equipped with an innovative wall washer screen, composed of a specular reflecting element that creates a suggestive wall-washing effect. Available for low voltage halogen lamps up to 100W/12V and metal halide lamps up to 150W,

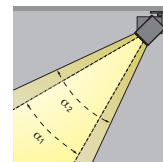
the wall washer screen ensures uniform lighting of very high vertical surfaces, and a wide distribution of the light beam, making it the ideal product for the lighting requirements of exhibition and retail areas.



The use of the wall washer screen in combination with the diffusing filter makes it possible to illuminate walls uniformly from floor to ceiling.

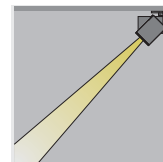
Flood optic

This optic produces a homogeneous and uniform distribution of the light onto surfaces and large objects. It has a device that lets users regulate the light beam manually so that light emission can be adapted to provide different solutions; this feature is quite helpful in showrooms, exhibitions areas, and shows, where lighting should be changed regularly, with maximum ease and speed, in order to effectively light different objects that will change over time.



Spot optic

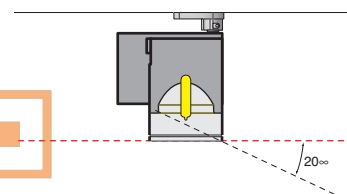
The high intensity and reduced width of the light cone allow for an excellent light direction with accent lighting, ideal when highlighting objects that are smaller in size. The spot optic also has a focusing device for the light beam, which allows users to find the perfect position of the lamp with respect to the reflector.



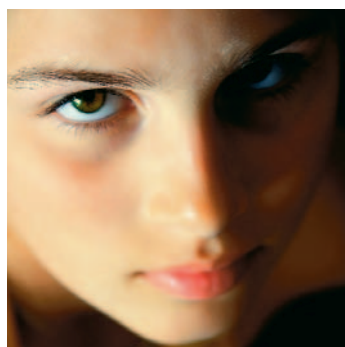


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Design and the large array of reflectors, combined with professional filters, allow users to obtain excellent lighting performance and to produce beautiful chromatic and lighting effects. The reflectors, made of ultra pure aluminium with special facets, give off highly efficient lighting and a homogeneous distribution of the light beam. The lamps have been placed more towards the rear in order to diminish glare, achieving a high visual comfort.

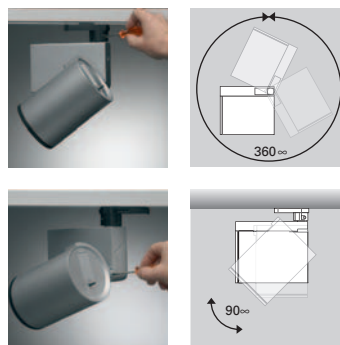


The innovative "Warmtone" filter for the correction of colour temperature is a product plus of the Sydecar range. It adds value to the lamps that need to produce full warm tones.



The "Coldtone" conversion filter is ideal when lighting certain objects with cold hues, creating clear and brilliant lighting, just like natural light.

Sydecar is provided with a practical device to lock both the horizontal and vertical rotation that secures the fitting in position after setting the direction of the light beam.



Locking of the rotation around the vertical axis

Locking of the rotation on the horizontal plane



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Wall washer



Dimmer



Focusing



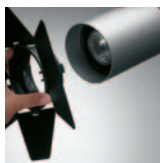
- Adjustable spotlights with adapter for installation on mains voltage tracks and DALI track.
- Made of die-cast aluminium and thermoplastic material.
- Equipped with discharge lamps, mains voltage halogen lamps and LEDs.
- 3 sizes with different diameters and cylinder lengths.
- Rotation around the vertical axis of 360°; inclination of 90° in relation to the horizontal plane.
- Mechanical locks for aiming for rotation on horizontal plane and around vertical axis. The locks are actuated by using the same tool on two screws, one in lateral position on the shell of the power supply box and one on the track adapter.
- Spotlight is equipped with an accessory-holder ring, which can hold up to three flat accessories at once. It is also possible to apply an external component, such as an asymmetrical screen, directional flaps, or an anti-glare screen.
- All of the external accessories can be rotated up to 360° in relation to the longitudinal axis of the spotlight.
- Spotlights with spot optics and lamps without a reflector have a manual lamp focusing device located behind the optical assembly.
- Spotlights with flood optics and lamps without reflectors have a manual focusing device for the light beam located behind the optical assembly.
- In all versions the reflector can be replaced with an optional reflector without tools.
- Models with 8-LED circuits with high yield and monochromatic emission, with warm white (3100K) and neutral white (4200K) tones, complete with electronic power supply.
- LED optics with plastic lenses and thin beams or medium beams, and safety glass with serigraphy.
- The luminaires include a dimmable electronic transformer and are made using IGBT technology.
- The technical characteristics of the fitting comply with EN 60598-1 standard.
- IP20 (IP40 only for optical assembly with optional glass)
- F seal
- ENEC approval
- Class of Insulation I



Spotlight has a two-way orientation and a mechanical locking device



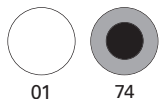
Accessory-holder ring, which can hold up to three flat accessories



Accessory installation without tools



External accessories with rotation up to 360°



Registered Design

luminaire	control gear	code	optic	lamp
small body 	ELECTRONIC DIMMABLE	6475*	-	50 W QR CBC 51
		6476	S	50 W QT 12
		6477	F	50 W QT 12
	ELECTRONIC	6478	S	20 W HIT (PGJ5)
		6479	F	20 W HIT (PGJ5)
		6480	S	35 W HIT (PGJ5)
6481	F	35 W HIT (PGJ5)		
medium body 	ELECTRONIC DIMMABLE	6482	S	75/100 W QT 12
		6483	F	75/100 W QT 12
	DALI	M290	S	75/100 W QT 12
		M291	F	75/100 W QT 12
	ELECTRONIC	6485	S	35 W HIT (G8,5)
		6486	F	35 W HIT (G8,5)
		6487	S	70 W HIT (G8,5)
		6488	F	70 W HIT (G8,5)

luminaire	control gear	code	optic	lamp
medium body 	ELECTRONIC	6489	S	8x1 W LED neutral w.
		6490	M	8x1 W LED neutral w.
		6491	S	8x1 W LED warm w.
		6492	M	8x1 W LED warm w.
	DALI	M286	S	8x1 W LED neutral w.
		M288	M	8x1 W LED neutral w.
M287		S	8x1 W LED warm w.	
M289		M	8x1 W LED warm w.	
large body 	ELECTRONIC DIMMABLE	6493*	-	75/100 W QR 111
	DALI	M292*	-	75/100 W QR 111
	ELECTRONIC	6494*	-	70 W CDM-R111
		6495	S	70 W HIT (G12)
		6496	F	70 W HIT (G12)
		6497	S	150 W HIT (G12)
		6498	F	150 W HIT (G12)

* Light cones vary according to the lamp that is installed
LED versions can only install accessories with code 2931-6832-6859-6862-MW81

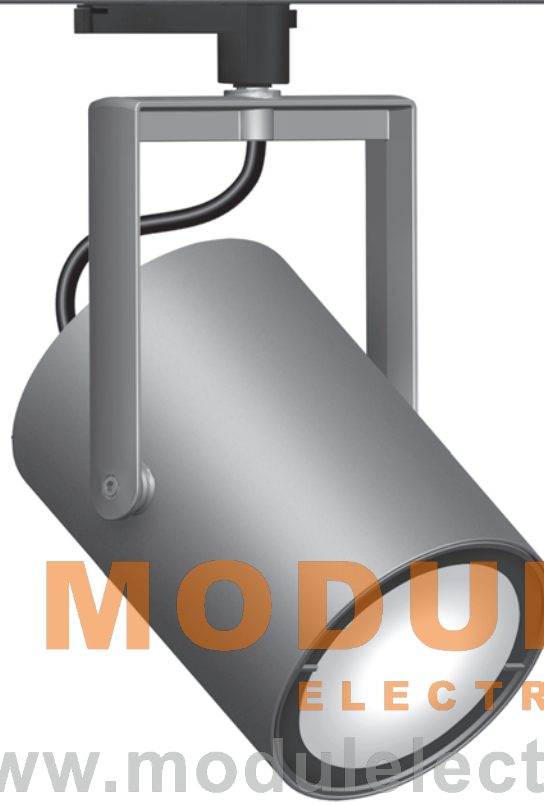
accessories	small body	medium body	large body
Refractor for elliptical distribution of the light flow Colour 24	9538	2931	1192 for 6495-6496-6497-6498 2932 for 6493
Coloured filters Colours 05-06-09-24	9536	2935	9537 for 6495-6496-6497-6498 2943 for 6493
IR/UV filter Colour 24	9541	2933	2934
	9516	9517	4498 for 6495-6496-6497-6498 9518 for 6493
Warmtone filter Colour 24	2944	2945	2946
Coldtone filter Colour 24	2947	2948	2949
Soft lens filter Colour 24	MWA3	MWA4	MWA5
Louvre Colour 04	6828	6829	6830

accessories	small body	medium body	large body
Directional flaps with rotation up to 360° Colour 04	6831	6832	6833
Wall washer asymmetrical screen complete with diffusing filter Colours 47-74	MW80	MW81	MW82
Asymmetrical screen with rotation up to 360° Colours 47-74	6858	6859	6860
Antiglare screen Colours 47-74	6861	6862	6863
	6838 spot optic	6842 spot optic	6848* spot optic
Interchanging reflectors for discharge lamps Colour 12	6839 flood optic	6843 flood optic	6849* flood optic
	6840 spot optic	6844 spot optic	-
Interchanging reflectors for halogen lamps low voltage Colour 12	6841 flood optic	6845 flood optic	-

installation systems	code
Base for spotlight Colours 01-04	8773
	MW30 (DALI)

installation systems	code
Recessed base Colours 01-04	8902
	MW31 (DALI)

* Also available in colour 14



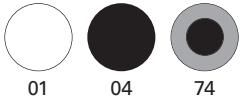
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Photo: Paolo Carfani

Milan - Italy: Skitch

- Adjustable spotlights with adapter for installation on mains voltage tracks.
- Made of die-cast aluminium.
- Designed for discharge lamps.
- 2 sizes with different diameters.
- Rotation around the vertical axis of 360°; inclination of 90° in relation to the horizontal plane.
- Mechanical locks for aiming for rotation around vertical axis and horizontal plane.
- All versions are equipped with interchangeable optic without tools.
- All fittings are supplied with built-in electronic power supply.
- The technical characteristics of the fitting comply with EN 60598-1 standard.
- IP20 (IP40 for optical assembly)
- F seal
- ENEC approval
- Class of Insulation I



	luminaire	code	optic	lamp
small body		M922	S	20 W HIT (GU6,5)
		M923	F	20 W HIT (GU6,5)
		M924	S	35 W HIT (GU6,5)
		M925	F	35 W HIT (GU6,5)
large body with electronic control gear		M926*	S	35 W HIT (G8,5)
		M927*	F	35 W HIT (G8,5)
		M928*	S	70 W HIT (G8,5)
		M929*	F	70 W HIT (G8,5)
		M930	S	35 W HIT (G12)
		M931	F	35 W HIT (G12)
		M932	S	70 W HIT (G12)
		M933	F	70 W HIT (G12)

accessories	small body	large body
Directional flaps Colour 04	MWN7	MWN8

* High-performance reflector

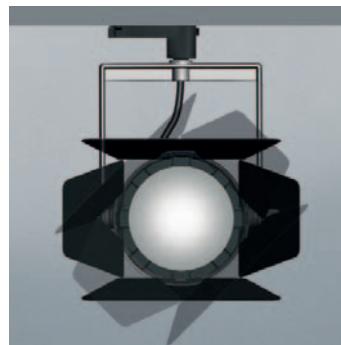
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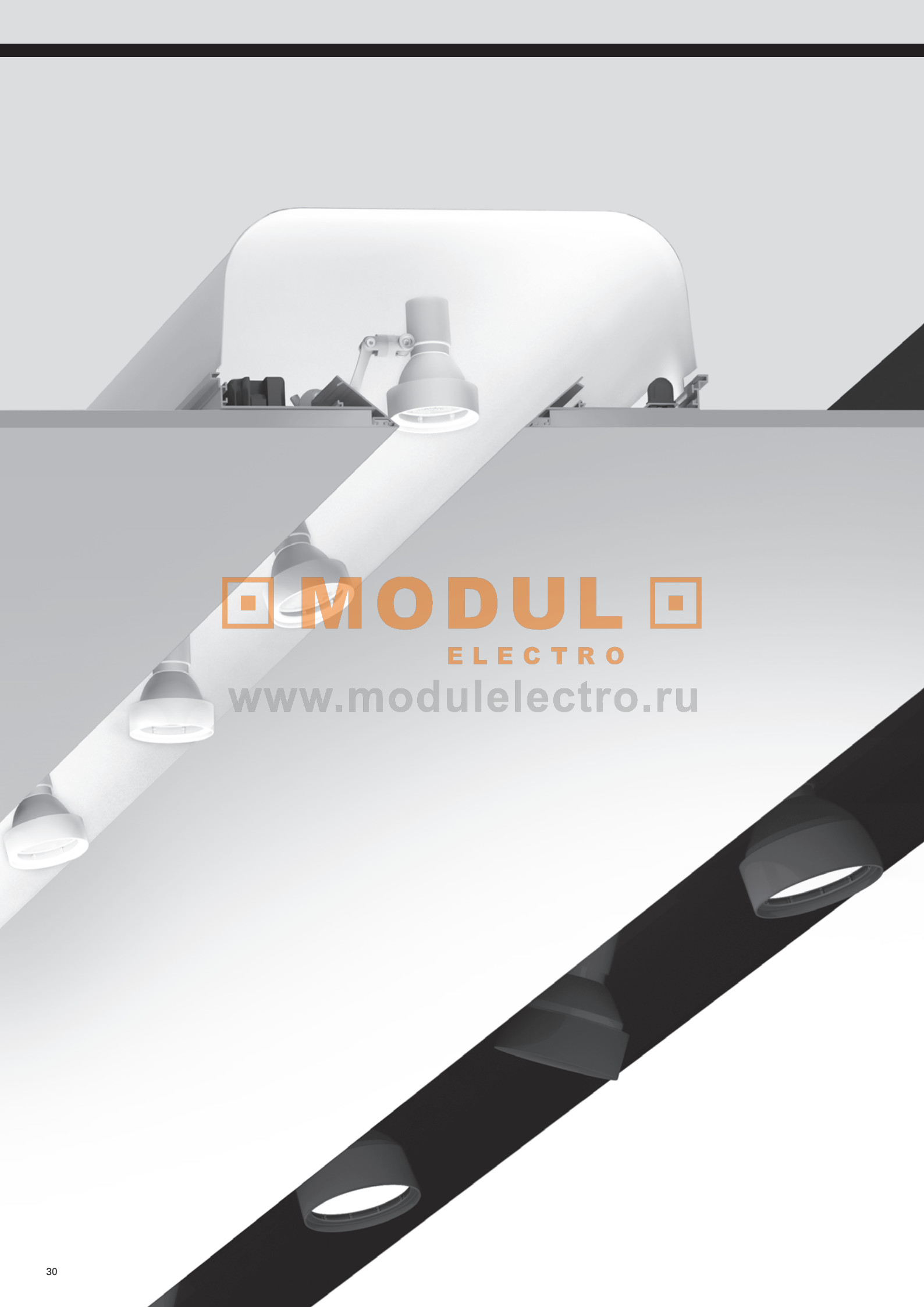
Mechanical lock of rotation around vertical axis by 360°



Mechanical lock with respect to horizontal plane by 90°



Directional flaps with rotation up to 360°



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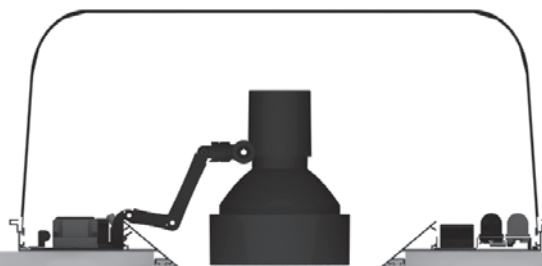
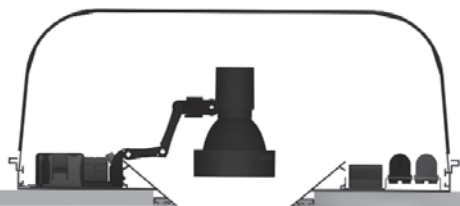
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Bespoke is a modular open lighting system with recessed channel, integrated in architecture and composed of sections with different lengths associated with specific adjustable kits for accent light and indirect light modules, equipped with fluorescent and LED sources. It is an extremely flexible product designed to create multiple formal, linear and angular compositions, ideal for application in false ceilings of retail areas where space needs to be valorised, creating suggestive atmospheres and plays of light and shadow through a careful, versatile lighting direction. Bespoke channels are obtained by opposing two identical sections that conform themselves to the false ceiling and allow to obtain clean minimal openings in two sizes:

open 100 and open 180 (channels with 100mm or 180mm cut) designed to contain the matchable components at best. The spotlights associated with the section are equipped with dedicated components and accessories (refractors and chromatic filters) and can use a large range of light sources to satisfy different needs at best, while always guaranteeing high efficiency. The kit with fluorescent lamp with indirect emission is conceived with overlapping system that ensures continuous luminous emission to valorise the channel, without interruptions or dark areas. Maximum aesthetical cleanness and excellent performance for a solution that decorates different settings with new light.



Small spotlights

The reduced dimensions (100mm) of the opening that is necessary to install the open 100 channel guarantee minimum visual impact and allow for using spotlights with small body.

The spotlights can be equipped with the following lamps:

- 50W QR CBC 51 GU5.3
- 20/35W HI-PAR MR 16 GX10
- 20/35W HIT-TC GU6.5
- LED

Large spotlights

Spotlights with large body can be used in the open 180 channel by providing 180mm opening between the sections.

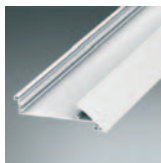
The spotlights can be equipped with the following lamps:

- 50W QR 111 G53
- 35W CDM-R111 GX8.5
- 20/35/70W CDM-TC G8.5
- LED

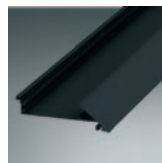
MODUL

Cover

Available in two colour finishes - black and white - the covers are made in two standard dimensions and offered in different lengths and final or angular versions to complete the configurations of channels from 100 to 180 mm.



Black



White



Aluminum

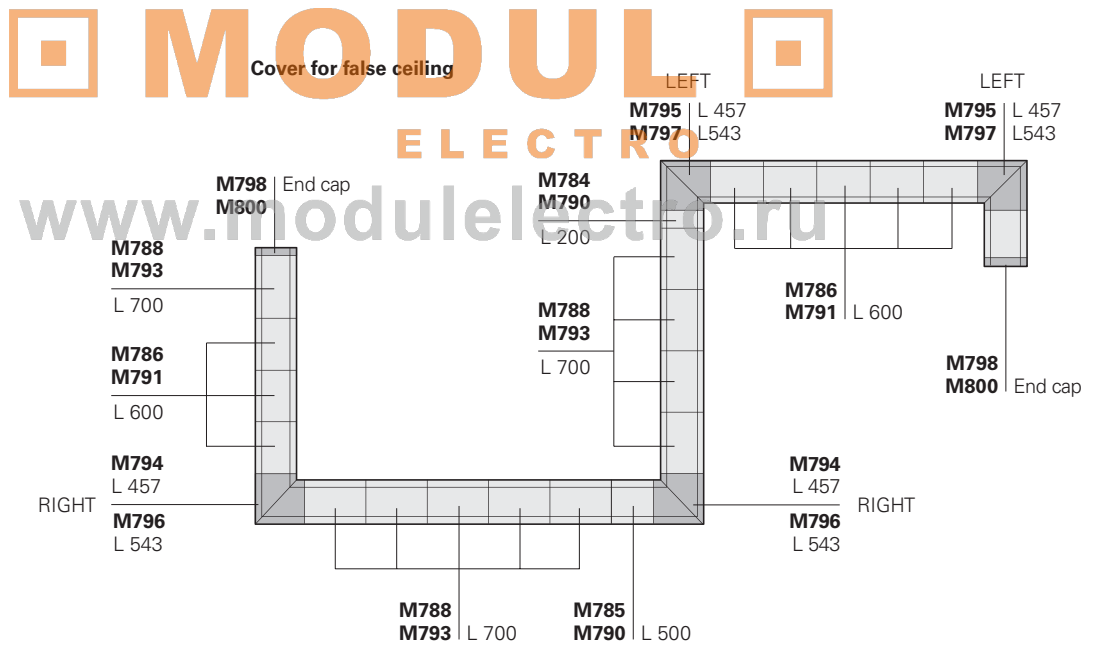
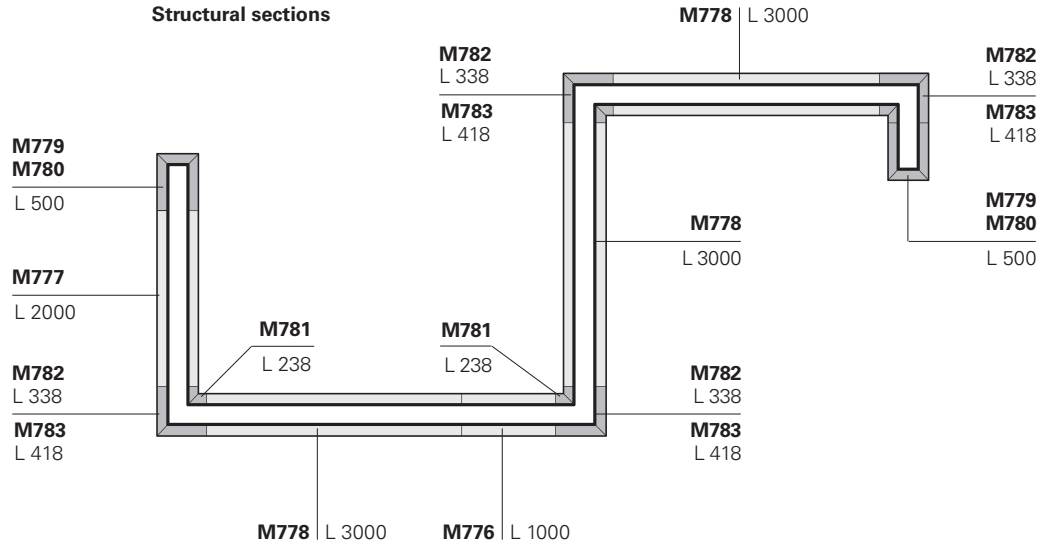
Sections

The clean line and shape are designed to integrate with utmost discretion and hide the false ceiling thickness with few finishing operations. Different lengths and two colours available: black and white. The unfinished section offers the possibility to have personalized painting according to the specific needs.

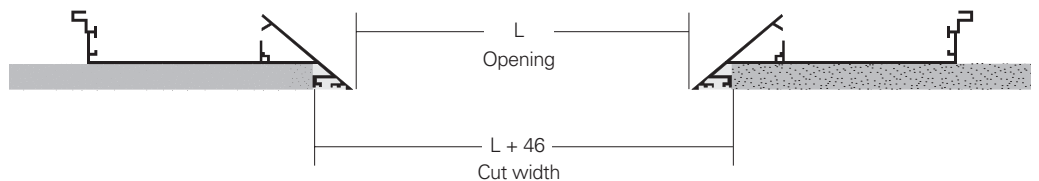
Compositions

Multiple formal solutions offer the best flexible answer to any requirements for light and space. The wide range of components - joints, unions, end caps, internal and external angular insertion elements, covers - allows Bespoke to enjoy great versatility to design space, while complying and valorising all architectural contexts.

Structural sections

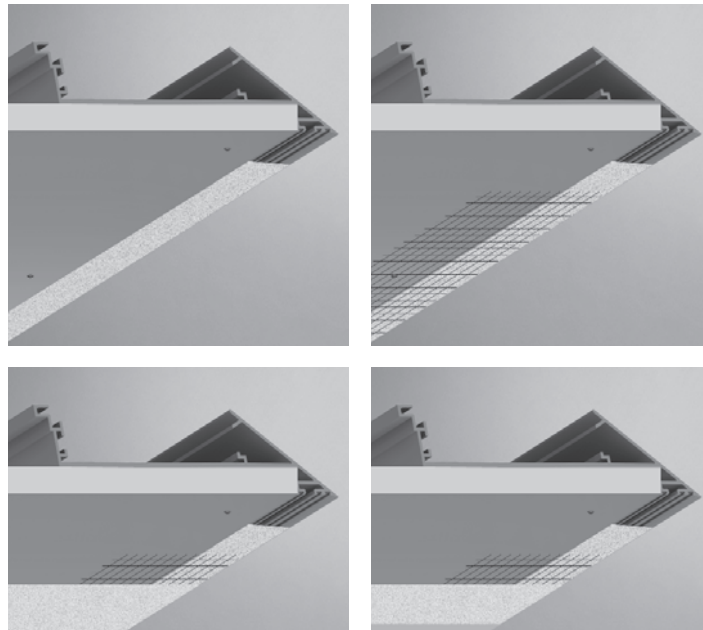


To ensure the correct width when cutting the false ceiling, add 46 mm to the dimension of the desired opening. (i.e. 100 mm opening = 146 mm cut width).



Installation

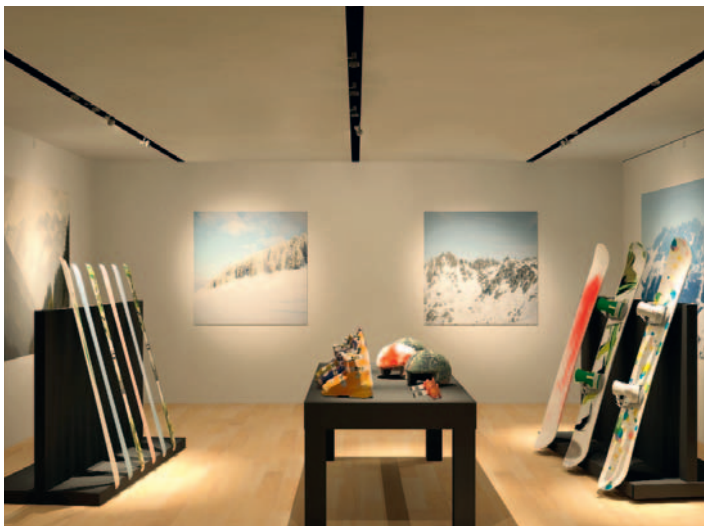
The maximum efficiency of a product begins from correct installation. To take full advantage of this lighting system, it is absolutely necessary to follow the general mounting procedures illustrated here.



Phases

- 1- Fill with putty the grooves on the section surface.
- 2- Stick the adhesive cloth on the joints between plasterboard and aluminium.
- 3- Fill with putty again to create a regular surface.
- 4- Trim and paint the section of profile and plasterboard to obtain a uniform surface.

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- Modular system designed to create recessed frameless-type channels with variable opening.
- The system is optimized for two standard configurations - open 100 and open 180 - that correspond to the dimensions of the channel openings in mm.
- Structural sections made of extruded aluminium and combined as desired to obtain continuous cuts on the false ceiling; the sections are designed to simplify puttying and finishing operations.
- Cover made of shaped sheet steel; available for both standard dimensions, it is inserted in the false ceiling cut and attached to structural sections to complete the channel.
- Sections and covers are provided with end and angular caps to create broken line combinations.
- Accent light kits available with small and large body, with integrated power supply and fast-coupling terminal block to make line connections easier
- Indirect light kits with T16 fluorescent tubes with overlapping system (continuous line of light without dark areas); use of fluorescent kits is recommended with white-finished channel components.
- Kits have electronic control gears; fluorescent modules are available in DALI version and for emergency light.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20
- F seal
- ENEC approval
- Class of Insulation I



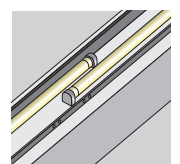
Spotlights kit complete with electronic power supply



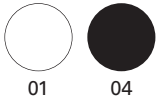
Adjustability and rotation around vertical axis of light sources



Concealed components

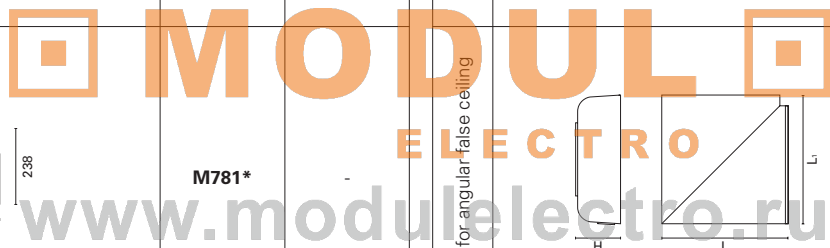


Overlapping



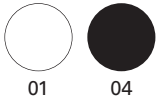
Structural modules		code	size
pair of aluminium sections		M775*	L=500
		M776*	L=1000
		M777*	L=2000
		M778*	L=3000
two end caps		M779*	open 100 L ₁ = 658 L = 412 C = 500
		M780*	open 180 L ₁ = 658 L = 495 C = 500
internal 90° angle		M781*	
external 90° angle		M782*	open 100 L = 495x495
		M783*	open 180 L = 575x575

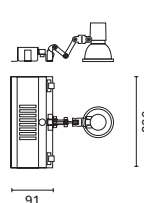
















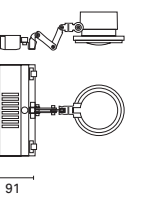


Structural modules		code	size
cover for linear false ceiling open 100		M784	L=200
		M785	L=500
		M786	L=600
		M788	L=700
cover for linear false ceiling open 180		M789	L=200
		M790	L=500
		M791	L=600
		M793	L=700
cover for angular false ceiling		M794 right	open 100 L = 457 L ₁ = 444 H = 110
		M795 left	
		M796 right	open 180 L = 543 L ₁ = 530 H = 178
		M797 left	
end caps		M798 two end caps	open 100 L = 415 H = 110 D = 95
		M800 two end caps	open 180 L = 495 H = 178 D = 175

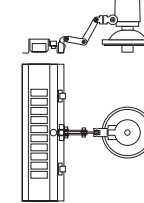


















* Available in colour 12



Device for indirect emission designed for overlapping application				
luminaire	control gear	code	length	lamp
	ELECTRONIC	M816	900	21/39 W T 16
		M817	1200	28/54 W T 16
		M818	1500	35/49/80 W T 16
	DALI	M819	900	21/39 W T 16
		M820	1200	28/54 W T 16
		M821	1500	35/49/80 W T 16
	EMERGENCY	M822	1200	28/54 W T 16
		M823	1500	35/49/80 W T 16

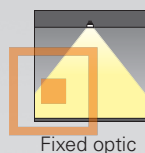
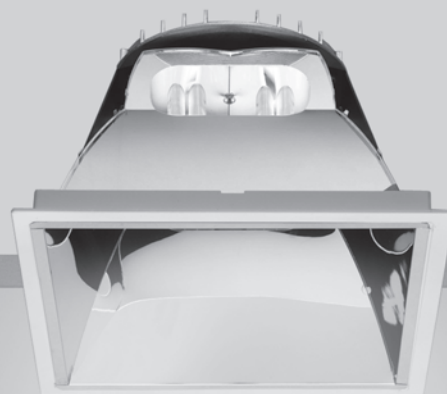


spotlight and component kit	code	optic	lamp
 <p>open 100</p>	M802		 50 W QR CBC 51
	M803		 20 W HI-PAR 51
	M804		 35 W HI-PAR 51
	M805		 20 W HIT (PGJ5)
	M806		 20 W HIT (PGJ5)
	M807		 35 W HIT (PGJ5)
	M808		 35 W HIT (PGJ5)
	MA69		 6x2 W LED warm white
	MA70		 6x2 W LED warm white
 <p>open 180</p>	M809		 50/75 W QR 111

spotlight and component kit	code	optic	lamp
 <p>open 180</p>	M810		 35 W HIT (CDM-R111)
			 70 W HIT (CDM-R111)
	M811		 20 W HIT (G8,5)
			 35 W HIT (G8,5)
			 70 W HIT (G8,5)
			 70 W HIT (G8,5)
			 12x2 W LED warm white
	 12x2 W LED warm white		

accessories	small body	large body
 Refractor for elliptical distribution of the light flow Colour 24	9425	9463
 Coloured filters Colours 05-06-09-24	9405	8782
 IR filter Colour 24	9415	8786

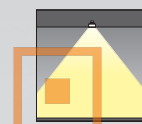
accessories	small body	large body
 UV filter Colour 24	9433	9435
 Accessory-holding ring Colours 01-04-15	MWPO	MWP1 for M810 - M811
		MWP2 for M812 - M813 M814 - M815



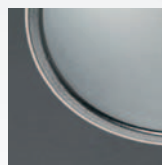
Fixed optic

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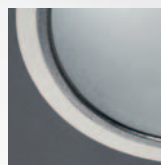
ELECTRO



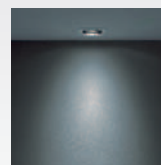
Fixed optic



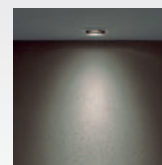
Minimal installation
(flush with ceiling)



Frame installation



LED neutral white



LED warm white

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Adjustable optic



Wall-washer optic

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ø 153



ø 125



ø 96



ø 75



ø 242



ø 212



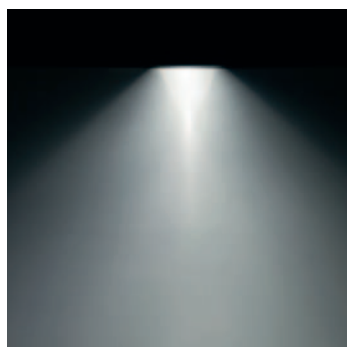
ø 153



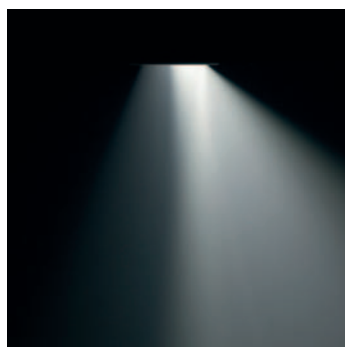
ø 125

A single innovative line of professional downlighters designed to meet the most diverse lighting requirements in a plurality of settings, such as retail areas, offices, hotels and accommodation facilities. Three types of optics - fixed, adjustable and wall-washer - and two shapes - round and square - for a wide variety of sizes, from 75 mm diameter for the small body to a 242 mm diameter for the largest body. Available in versions with rim for ceiling-mounted installation and without rim for ceiling-flush installation, The Reflex professional is the ideal answer for application on false ceilings including

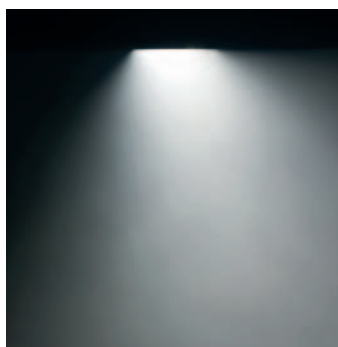
with very low thickness (1mm), for discreet, yet effective installation in all architectural and structural spaces. An extremely complete and versatile family of products that uses the most innovative light sources, such as LED, PLR compact fluorescent lamps, CDM-TM and CDM-TC metal halide lamps, to ensure high-level performance, maximum energy saving and excellent visual comfort, while fully complying the requirements of UNIEN 12464-1 and ECA standards with specific versions. Downlighters with clean, simple design for top performance.



Fixed optic



Adjustable optic



Wall-washer optic

The same formal line for a range of luminaires that adjust with flexibility and versatility to different lighting requirements, thanks to the three high-perform optics available. Fixed optic for general or professional lighting of spaces, adjustable optic that allows for aiming the light flow according to specific needs, highlighting objects and details, and wall-washer optic for wall-washing effect.

Low energy consumption and high performance light sources. The LED technology ensures long lamp life and highly-reliable performance. The main advantages of the LED technology:

- Very small dimensions of lighting fixtures
- Long operating life
- No maintenance costs
- High luminous efficiency
- Clean light without IR and UV
- Low surface temperature of external glass (no burn risk)



The LED/HAL/CFL comparison refers to the luminaire output.

lm	LED	HALOGEN LAMP	FLUORESCENT LAMP
1100	<ul style="list-style-type: none"> △ 19 W warm white □ 18 W neutral white 	75W HAL	18WTC-DEL
2000	<ul style="list-style-type: none"> △ 36 W warm white □ 32 W neutral white 	100W HAL	2x26WTC-DEL
3000	<ul style="list-style-type: none"> △ 45 W neutral white 	150W HAL	2x32WTC-TEL



HIT (PGJ5)



HIT (G8,5)



TC-DEL



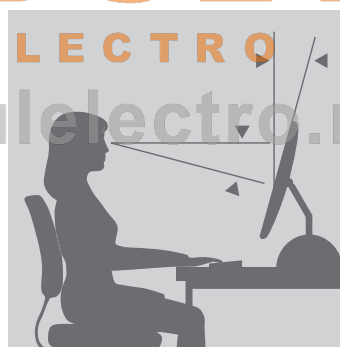
Luminous distribution "General lighting" with high-performing reflector

The good design of lighting fixtures with a correct combination of efficiency, environmental-friendliness and energy saving, is indispensable to satisfy the requirements of the current European directives and normatives that specify the constructive, technical and energy criteria of products. In particular, the use of high-performing products reduces the number of fittings necessary to obtain the requested illuminance level and consequently reduces the installation running costs with economic return. The Reflex professional range offers versions especially studied to answer

to the requirements for energy efficiency contained in the ECA (Enhanced Capital Allowance) Standard approved by the British government, and strongly felt in all settings with a high need for energy saving. The products guarantee high light output and values are derived from analytical tables that determine the minimum output values of the fittings, according to destination of use and light source used. In addition to energy and economic saving, the compliance with the standard allows for being granted incentives from the government (only for the United Kingdom).

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The UGR abbreviation is an international index introduced by the interior lighting standard UNI EN 12464-1, developed by the CIE (Commission International de l'Eclairage) to determine the direct glare for each installation setting, taking into consideration the layout of lighting fixtures, the characteristics of the space (dimensions, reflection indexes) and observation point of the operator.

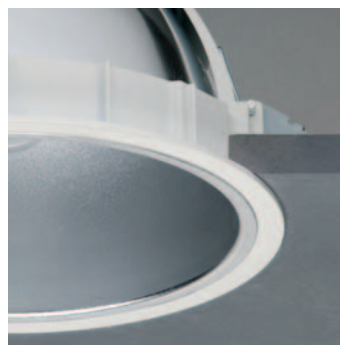
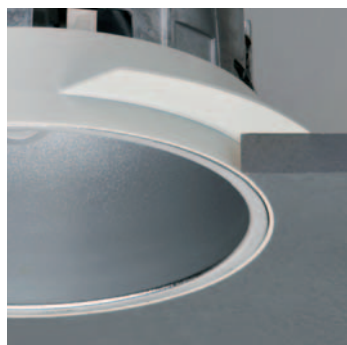


UGR<19

The use of specular reflectors ensures $UGR < 19$ $L < 1000$ cd/m^2 for $\alpha > 65^\circ$ angles that guarantees excellent visual comfort in offices or areas with VDTs, classrooms and reading rooms, finding a solution to disturbing glare.

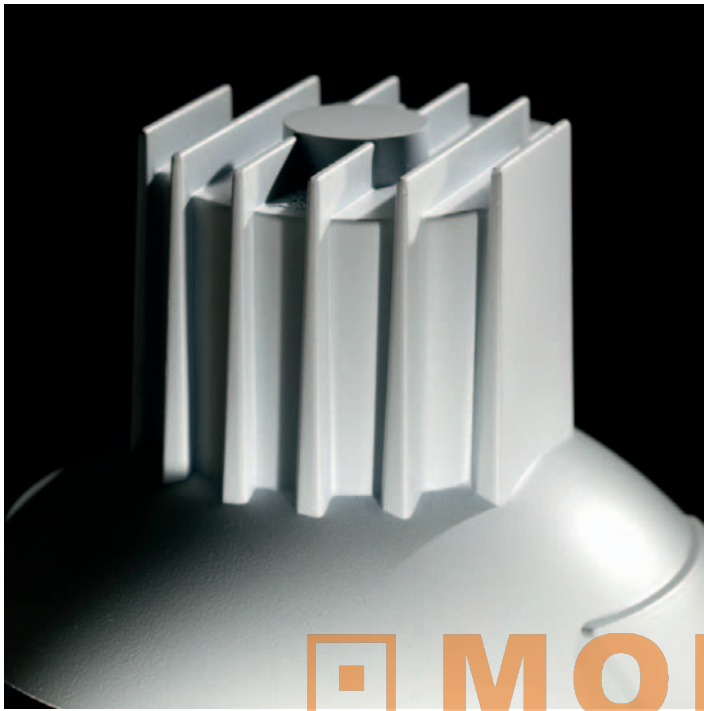
Minimal Ceiling-flush application

The ceiling-flush installation is the ideal choice for places that require formal neatness and minimum visual impact. Concealed installation perfectly flush with the plasterboard allows The Reflex professional to integrate at best while fully respecting the space. Light sources are in backward position with respect to the false ceiling to guarantee high visual comfort. The installation flange works with 12.5mm thick panels.



Frame Installation with rim

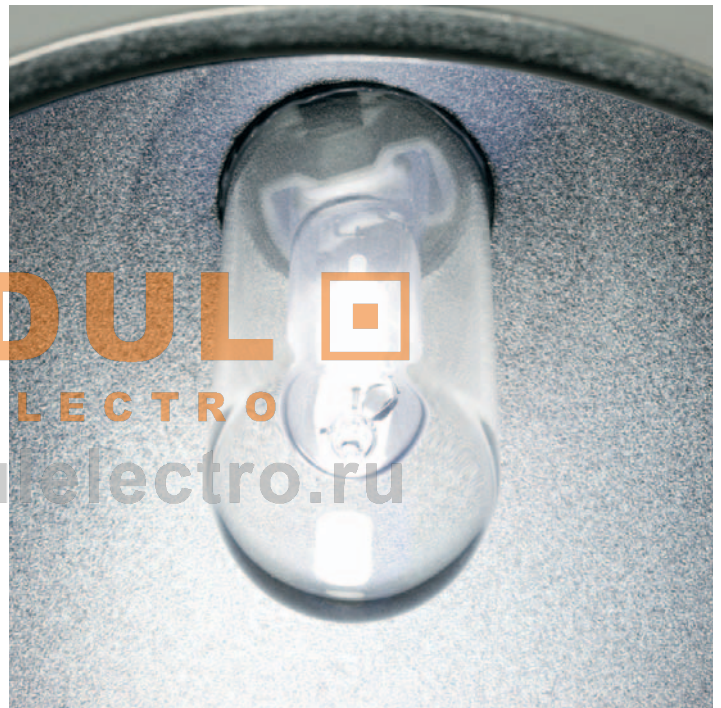
The Reflex professional dresses up with elegance and refinement in the rim version. The new frame has been especially studied to reduce visual impact, being obtained with a thinner perimeter rim. Available in colour white, the rim version increases the number of possible installations of these downlighters.



iGuzzini has developed a new, even more effective heat dissipator. The device reduces the temperature of internal parts, guaranteeing total safety and avoiding overheating and malfunctioning risks.

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The Reflex professional fixed with discharge lamps range offers specific versions with borosilicate glass internal protection capsule that covers the lamp to guarantee higher safety and resistance against shocks and dust penetration, together with IP43.



The new spring system with "Lock and Unlock" functions contributes to simplify installation and maintenance works, ensuring the quick execution of fixing operations.



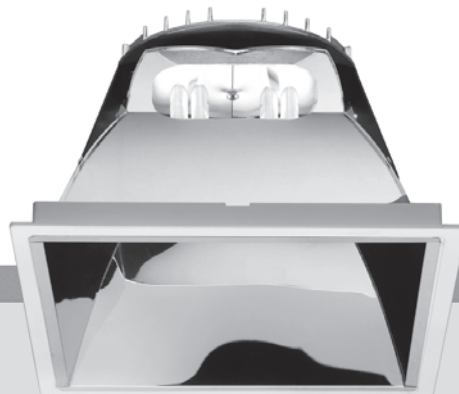
Optic extraction



Spring release



Product extraction for maintenance operations



MODULO

ELECTRO

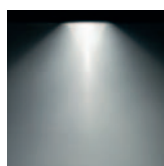
www.modulelectro.ru



- Fixed downlighters with circular and square shape.
- Available in versions with rim for ceiling-mounted installation and without rim for ceiling-flush installation.
- Professional optics for low voltage halogen lamps, discharge lamps, compact fluorescent lamps and LED (round versions only).
- Die-cast aluminium body, 99.9% superpure aluminium reflector.
- Ceiling-flush versions are designed for installation in false ceilings with 12.5 mm thickness.
- Lamp-holder inside the dissipator.
- Luminous distributions General Lighting L.O.R > 80 and professional optic with luminance control U.G.R < 19 for spaces with VDTs.
- Metal halide versions with lamps without built-in reflector are provided with borosilicate glass protection capsule.
- LED products complete with lampe unit available in neutral white and warm white with UGR<19. Light sources with 1100 lm 2000 lm and 3000 lm power.
- Installation with torsion springs for easy recessed installation on false ceilings with thickness from 1 mm to 25 mm.
- Compact FL versions for general lighting and luminance control can install special diffusers (sandblasted or clear) to guarantee IP44 (round version).
- In the FL versions, by means of a device mounted above the dissipator, the lamp-holder can be positioned in accordance with the light source used.
- LED, discharge and CFL versions are supplied with electronic control gear. Control gears must be ordered separately for HIT lamps with G12 socket. Compliance with standards is not guaranteed when control gears not included in catalogue are used.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20
- IP23 for visible body of fitting after installation
- IP43 for visible body of fitting after installation for Frame versions with capsule (round)
- F seal
- ENEC approval
- Class of Insulation I-II-III



UGR<19



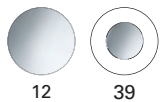
High output
 $\eta > 80\%$ MH
 $\eta > 72\%$ CFL



Easy installation
 and maintenance



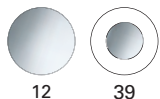
Glass protection
 capsule



Circular version Minimal (colour 12)					
luminaire	code	optic	height H	lamp	
	M354		121	50 W QT 12	
	M355			50 W QR CBC 51	
	M356			20 W HIT (PGJ5)	
	M357			35 W HIT (PGJ5)	
	M358			20 W HI-PAR 51 (GX10)	
	M359			35 W HI-PAR 51 (GX10)	
	M360		141,5	100 W QT 12	
	M361			50 W QR CBC 51	
	M362			35 W HIT (G8,5)	
	M363		179	70 W HIT (G8,5)	
	M364			35 W HIT (G8,5)	
	M365			70 W HIT (G8,5)	
	M505			35 W HI-PAR 51 (GX10)	
	M366		215,5	100 W QR 111	
	M367			35 W HIT (CDM-R111)	
	M368		70 W HIT (CDM-R111)		
	M369		168,5	35 W HIT (G8,5)	
	M370			70 W HIT (G8,5)	
	M371		215,5	35 W HIT (G8,5)	
	M372			70 W HIT (G8,5)	
		M255		165,5	18 W LED neutral white 1100 lm
		M256			19 W LED warm white 1100 lm
		M257			32 W LED neutral white 2000 lm
		M258			36 W LED warm white 2000 lm
		M259			45 W LED neutral white 3000 lm
		MA59 DALI			18 W LED neutral white 1100 lm
		MA60 DALI			19 W LED warm white 1100 lm
		MA61 DALI			32 W LED neutral white 2000 lm
MA62 DALI		36 W LED warm white 2000 lm			
MA63 DALI		45 W LED neutral white 3000 lm			
	M373		210	35/70/150 W HIT (G12)	
	M374		265,5	35/70/150 W HIT (G12)	
	M549		181,5	2x14/17 W PL-R	
	M550 DALI			2x14/17 W PL-R	
	M551 INVERTER			2x14/17 W PL-R	
	M552			2x26 W TC-DEL	
	M553 DALI			2x26/32/42 W TC-TEL	
	M554 INVERTER			2x26/32/42 W TC-TEL	

Circular version Frame (colour 39)					
luminaire	code	optic	height H	lamp	
	M375		114,5	50 W QT 12	
	M376			50 W QR CBC 51	
	M377			20 W HIT (PGJ5)	
	M378			35 W HIT (PGJ5)	
	M379			20 W HI-PAR 51 (GX10)	
	M380			35 W HI-PAR 51 (GX10)	
	M381		129	100 W QT 12	
	M382			50 W QR CBC 51	
	M383			35 W HIT (G8,5)	
	M384		169,5	70 W HIT (G8,5)	
	M385			35 W HIT (G8,5)	
	M386			70 W HIT (G8,5)	
	M506			35 W HI-PAR 51 (GX10)	
	M387		213	100 W QR 111	
	M388			35 W HIT (CDM-R111)	
	M389		70 W HIT (CDM-R111)		
	M390		156	35 W HIT (G8,5)	
	M391			70 W HIT (G8,5)	
	M392		213	35 W HIT (G8,5)	
	M393			70 W HIT (G8,5)	
		M260		162,5	18 W LED neutral white 1100 lm
		M261			19 W LED warm white 1100 lm
		M262			32 W LED neutral white 2000 lm
M263			36 W LED warm white 2000 lm		
M264			45 W LED neutral white 3000 lm		
MA64 DALI			18 W LED neutral white 1100 lm		
MA65 DALI			19 W LED warm white 1100 lm		
MA66 DALI			32 W LED neutral white 2000 lm		
MA67 DALI		36 W LED warm white 2000 lm			
MA68 DALI		45 W LED neutral white 3000 lm			
	M394		181	35/70/150 W HIT (G12)	
	M395		263	35/70/150 W HIT (G12)	
	M555		178,5	2x14/17 W PL-R	
	M556 DALI			2x14/17 W PL-R	
	M557 INVERTER			2x14/17 W PL-R	
	M558			2x26 W TC-DEL	
	M559 DALI			2x26/32/42 W TC-TEL	
	M560 INVERTER			2x26/32/42 W TC-TEL	

LED, CFL, and MH (except for G12) luminaires are complete with electronic control gear. Electronic transformers can be found on page 236.



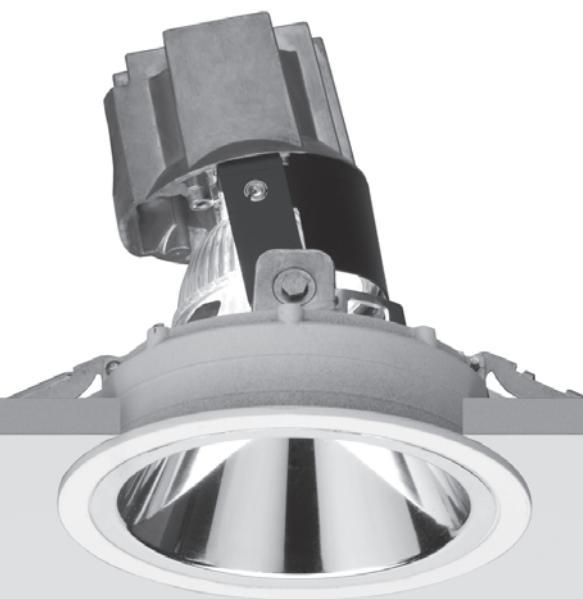
Square version Minimal (colour 12)				
luminaire	code	optic	height H	lamp
	M569		121	50 W QT 12
	M570			50 W QR CBC 51
	M571			20 W HIT (GU6,5)
	M572			35 W HIT (GU6,5)
	M573			20 W HI-PAR 51 (GX10)
	M574			35 W HI-PAR 51 (GX10)
	M575		168,5	100 W QT 12
	M576		215,5	100 W QR 111
	M577		168,5	35 W HIT (G8,5)
	M578			70 W HIT (G8,5)
	M579		215,5	35 W HIT (G8,5)
	M580	UGR<19		70 W HIT (G8,5)
	M581			35 W HIT (CDM-R111)
	M582			70 W HIT (CDM-R111)
		M597		181,5
M598			2x26 W TC-DEL 2x26 W TC-TEL 2x32 W TC-TEL 2x42 W TC-TEL	

Square version Frame (colour 39)					
luminaire	code	optic	height H	lamp	
	M583		118,5	50 W QT 12	
	M584			50 W QR CBC 51	
	M585			20 W HIT (GU6,5)	
	M586			35 W HIT (GU6,5)	
	M587			20 W HI-PAR 51 (GX10)	
	M588			35 W HI-PAR 51 (GX10)	
		M589			166
M590			213	100 W QR 111	
M591			166	35 W HIT (G8,5)	
M592				70 W HIT (G8,5)	
M593			213	35 W HIT (G8,5)	
M594		UGR<19		70 W HIT (G8,5)	
M595				35 W HIT (CDM-R111)	
M596				70 W HIT (CDM-R111)	
		M599		178,5	2x14 W PL-R 2x17 W PL-R
		M600			2x26 W TC-DEL 2x26 W TC-TEL 2x32 W TC-TEL 2x42 W TC-TEL

CFL and MH luminaires are complete with electronic control gear.
Electronic transformers can be found on page 236.

accessories for circular version FL \varnothing 242	code
IP44 protection screen Colours 24-65	MWF4

accessories for square version FL \square 242	code
IP23 protection screen Colours 24-65	MWF5



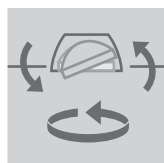
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- Adjustable downlighters with circular shape.
- Available in versions with rim for ceiling-mounted installation and without rim for ceiling-flush installation.
- Professional optics for low voltage lamps and discharge lamps.
- Die-cast aluminium body, 99.9% superpure aluminium reflector.
- Ceiling-flush versions are designed for installation in false ceilings with 12.5 mm thickness.
- Lamp-holder inside the dissipator.
- Installation with torsion springs for easy recessed installation on false ceilings with thickness from 1 mm to 30 mm.
- Adjustability on horizontal plane by 30° (codes M408 and M425 rotate by 40°) and on vertical axis by 358°.
- Mechanical screw locks guarantee aiming on vertical axis (except for size with D=75 mm and D=96 mm) and on horizontal plane (except for size with D=75 mm).
- Discharge versions supplied with electronic control gears.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP23 (for visible body of fitting after installation)
- IP20
- F seal
- ENEC approval
- Class of Insulation I-III



Double-adjustability



UGR<19



Wide range accessories



Installation in false ceilings from 1 to 20 mm



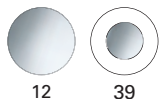
Easy installation and maintenance



Relamping without tools



Installation of accessories without tools



Circular version Minimal (colour 12)				
luminaire	code	optic	height H	lamp
	M396		141	50 W QR CBC 51
	M397			35 W QT 12
	M398			35 W QT 12
	M399			35 W QT 12
	M400			20 W HI-PAR 51 (GX10)
	M401			35 W HI-PAR 51 (GX10)
	M402			20 W HIT (GU6,5)
	M403			35 W HIT (GU6,5)
	M404		119	50 W QR CBC 51
	M405		134	20 W HI-PAR 51 (GX10)
	M406			35 W HI-PAR 51 (GX10)
	M407		209	100 W QT 12
	M408		140	50 W QR CBC 51
	M409		209	35 W HIT (G8,5)
	M410			70 W HIT (G8,5)
	M411		211	100 W QR 111
	M412			35 W HIT (CDM-R111)
	M413			70 W HIT (CDM-R111)
	M414			35 W HIT (G8,5)
	M415			70 W HIT (G8,5)

Circular version Frame (colour 39)				
luminaire	code	optic	height H	lamp
	M416		139	50 W QR CBC 51
	M244			35 W QT 12
	M245			35 W QT 12
	M246			35 W QT 12
	M417			20 W HI-PAR 51 (GX10)
	M418			35 W HI-PAR 51 (GX10)
	M419			20 W HIT (GU6,5)
	M420			35 W HIT (GU6,5)
	M421		116	50 W QR-CBC 51
	M422		131	20 W HI-PAR 51 (GX10)
	M423			35 W HI-PAR 51 (GX10)
	M424		206	100 W QT 12
	M425		137	50 W QR CBC 51
	M426		206	35 W HIT (G8,5)
	M427			70 W HIT (G8,5)
	M428		209	100 W QR 111
	M429			35 W HIT (CDM-R111)
	M430			70 W HIT (CDM-R111)
	M431			35 W HIT (G8,5)
	M432			70 W HIT (G8,5)

LED, CFL, and MH (except for G12) luminaires are complete with electronic control gear. Electronic transformers can be found on page 236.

accessories	ø 75/77	ø 96/102	ø 125/127		ø 150/153
<p>Refractor for elliptical distribution of the light flow Colour 24</p>	MW73	1111 for M404-M421	MWE6	1111 for M408-M425	MWF0
<p>Coloured filters Colours 05-06-09-24</p>	MW74	1106 for M404-M421	MWE7	1106 for M408-M425	MWF1
<p>IR filter Colour 24</p>	MW75	-	MWE8	-	MWF2
<p>UV filter Colour 24</p>	MW76	-	MWE9	-	MWF3
<p>Lower reflector to avoid reflection Colours 04</p>	MWF6	-	-	-	-



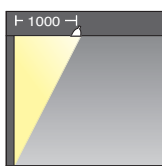
MODUL

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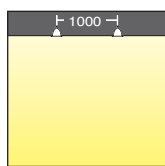
www.modulelectro.ru



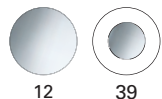
- Wall-washer downlighters with circular shape.
- Available in versions with rim for ceiling-mounted installation and without rim for ceiling-flush installation.
- Professional optics for low voltage, discharge and fluorescent lamps.
- Die-cast aluminium body, 99.9% superpure aluminium reflector.
- Ceiling-flush versions are designed for installation in false ceilings with 12.5 mm thickness.
- Lamp-holder inside the dissipator
- Installation with torsion springs for easy recessed installation on false ceilings with thickness from 1 mm to 30 mm.
- Luminaires with low voltage and discharge lamps have an optical structure made of high-resistance thermoplastic circular frame, sandblasted aluminium internal diffuser, main reflector with visible rim and integrated sector for wall-washers effect made of polished aluminium.
- In the FL versions, by means of a device mounted above the dissipator, the lamp-holder can be positioned in accordance with the light source used.
- Discharge versions supplied with electronic control gears. Control gears must be ordered separately for HIT G12 lamps.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP23 (for visible body of fitting after installation)
- IP20
- F seal
- ENEC approval
- Class of Insulation I-II-III

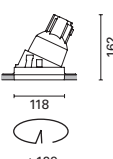




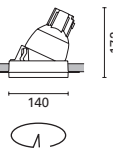


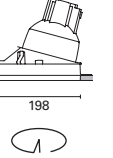

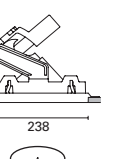





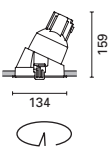




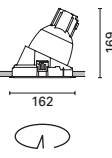


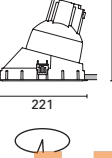

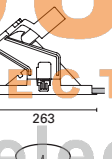



Wall washing effect



Easy installation and maintenance



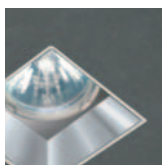
Circular version Minimal (colour 12)				
luminaire	code	optic	height	lamp
 162 118 ø 129	M537	 WW	162	 75/100 W QT 12
	M538			 35 W HIT (G8,5)
	M539			 70 W HIT (G8,5)
 172 140 ø 152	M540		172	 35 W HIT (G8,5)
	M541	 70 W HIT (G8,5)		
 205 198 ø 210	M542	205	 35/70/150 W HIT (G12)	
 217,5 238 ø 250	M561	217,5	 2x14/17 W PL-R	
	M562		 2x26 W TC-DEL  2x26/32 W TC-TEL	

Circular version Frame (colour 39)				
luminaire	code	optic	height	lamp
 159 134 ø 125	M543	 WW	159	 75/100 W QT 12
	M544			 35 W HIT (G8,5)
	M545			 70 W HIT (G8,5)
 169 162 ø 153	M546		169	 35 W HIT (G8,5)
	M547	 70 W HIT (G8,5)		
 202 221 ø 212	M548	202	 35/70/150 W HIT (G12)	
 214,5 263 ø 242	M563	214,5	 2x14/17 W PL-R  2x26 W TC-DEL  2x26/32 W TC-TEL	
	M564			DALI
	M565			INVERTER
	M566			DALI
	M567			DALI
M568	INVERTER			

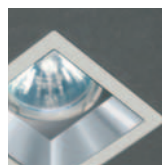
CFL and MH (except for G12) luminaires are complete with electronic control gear. Electronic transformers can be found on page 236.



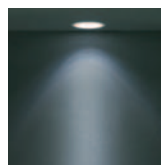
MODUL
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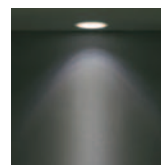
Minimal installation
(flush with ceiling)



Frame installation
(with rim)



LED warm white
IRC 85



LED neutral white
IRC 80



Visual comfort



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LED RGB DALI version



Light management system

A range of multilamp recessed luminaires designed to give a flexible answer to the lighting requirements of retail areas, hotels and private houses. Characterised by simple and clean design, available in two shapes - round and square - and three sizes for each shape, Deep Laser offers an endless variety of solutions and possibilities. Available in Minimal and Frame versions, it integrates discreetly in multiple settings, fully respecting the existing architecture. Easy installation with the new spring

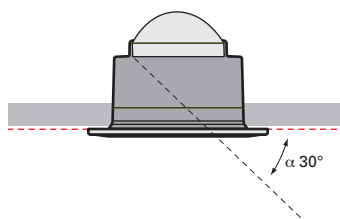
fixing system, and large versatility, especially in adjustable versions, are combined with high luminous efficiency guaranteed by the use of last-generation light sources, including LEDs, that ensure excellent performance with maximum energy saving. The backward position of the lamps guarantees excellent visual comfort and avoids disturbing glare. Special accessories applied to the product ensure IP44 protection degree against penetration of solid bodies higher than 1 mm and liquids such as drops, vapours or splashes.



Visual comfort

Visual comfort acquires a crucial role in accommodation facilities, private houses and especially retail areas where purchasing is strictly related with the user's wellbeing in the point of sale. The backward position of the

light source fully performs such a function, making it possible for Deep Laser to guarantee effective lighting for all application settings, hiding the light source and avoiding disturbing glare.



MODULO

The LED/HAL comparison refers to the luminaire output

Energy Saving

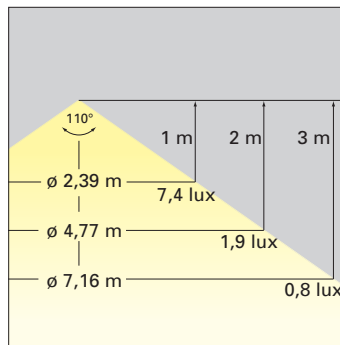
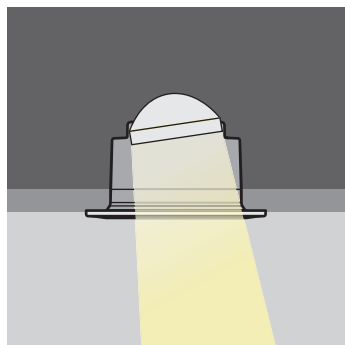
The use of state-of-the-art light sources falls within the general attention paid by iGuzzini to energy and environmental issues. High-performing light sources, such as LED's or dichroic lamps, ensure excellent luminous output with maximum energy saving and cost reduction, thus contributing to cut down harmful CO₂ emissions.



LUMINAIRE	LED	HALOGEN LAMP
ø mm 35	⊏ 2,2 W	⊏ 10W HAL
ø mm 75	⊏ 12 W	⊏ 50W HAL (decostar)
ø mm 135	⊏ 24 W	⊏ 75/100W HAL

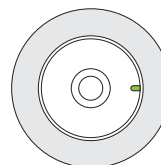
Adjustability

Deep Laser offers adjustable versions that are especially studied to ensure wide flexibility and versatility in all settings requiring exact light to underscore small elements and details by adjusting the luminous flow in accordance to the specific needs.



SE emergency operation

Product with inverter and batteries, the system only works in emergency conditions, starting to operate in case of power supply failure.





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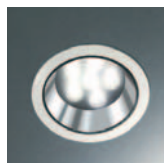
www.modulelectro.ru



Photo: Giuseppe Siluzzi

Naples - Italy: Evym

- Fixed and adjustable recessed luminaires with circular and square shape, installed with or without rim, equipped with low voltage halogen lamps, discharge lamps and LEDs.
- Made of die-cast aluminium
- Available in 3 different sizes.
- LED luminaires are provided in the upper part with a thermal dissipator to favour disposal of heat generated by light source.
- Deep laser versions with rim made of a single die-cast aluminium body.
- Springs for easy recessed installation in false ceilings with thickness from 1 mm to 30 mm.
- Deep Laser versions without rim made of a die-cast aluminium ring for fixing to plasterboard false ceilings with 12.5mm thickness.
- High-efficiency LED luminaires in warm white (3100K), neutral white (4200K) and RGB (medium-sized body) versions.
- LED optics with medium light cone and single thermoplastic lens.
- LED and discharge luminaires with medium and large body are supplied with electronic control gear.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20-IP65 (for LED version)
- IP23 (HAL versions)
- IP43 (with glass) HAL versions
- IP44 (with accessory complete with soft lens filter)
- F seal
- ENEC approval
- Class of Insulation II-III



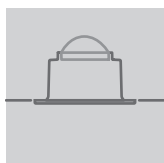
Reflector complete with soft lens filter IP 44



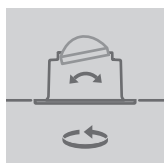
Easy maintenance



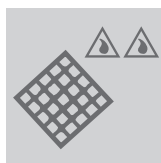
Total safety with spring fixing system



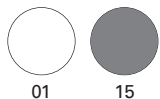
Fixed version








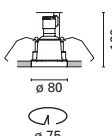












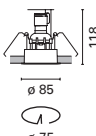




















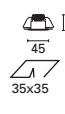






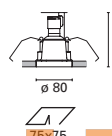










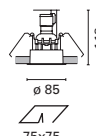


















Adjustable version



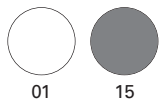
LED version IP 65

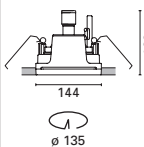
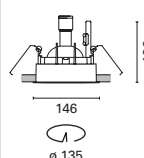


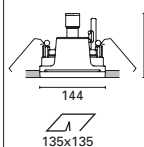
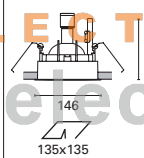
Circular version					
luminaire	code	fixed optic	adjustable optic	lamp	
small body, Frame installation 	M934**		S	-	1x2,2 W LED neutral white
	M935**		M	-	1x2,2 W LED neutral white
	M936**		S	-	1x2,2 W LED warm white
	M937**		M	-	1x2,2 W LED warm white
	M938		F	-	1 W LED warm white INVERTER
	MA73		E	-	1 W LED warm white INVERTER
medium body, Minimal installation 	M939		S	-	50 W QR CBC 51 (max 36°)
	M940		M	-	20 W HI-PAR 51 (GX10)
	M941		S	-	35 W HI-PAR 51 (GX10)
	M942		S	-	6x2 W LED neutral white
	M943		M	-	6x2 W LED neutral white
	M944		S	-	6x2 W LED warm white
	M945		M	-	6x2 W LED warm white
	M946		S	-	6x2 W LED RGB
	M947		M	-	6x2 W LED RGB
	M948		S	-	50 W QR CBC 51 (max 36°)
	M949		S	-	20 W HI-PAR 51 (GX10)
	M950		S	-	35 W HI-PAR 51 (GX10)
medium body, Frame installation 	M951		S	-	50 W QR CBC 51
	M952		M	-	20 W HI-PAR 51 (GX10)
	M953		S	-	35 W HI-PAR 51 (GX10)
	M954		S	-	6x2 W LED neutral white
	M955		M	-	6x2 W LED neutral white
	M956		S	-	6x2 W LED warm white
	M957		M	-	6x2 W LED warm white
	MA39*		S	-	6x2 W LED neutral white
	MA40*		M	-	6x2 W LED neutral white
	MA41*		S	-	6x2 W LED warm white
	MA42*		M	-	6x2 W LED warm white
	MA43*		S	-	6x2 W LED RGB
	MA44*		M	-	6x2 W LED RGB
	M958		S	-	6x2 W LED RGB
	M959		M	-	6x2 W LED RGB
	M960		S	-	50 W QR CBC 51 (max 36°)
	M961		S	-	20 W HI-PAR 51 (GX10)
	M962		S	-	35 W HI-PAR 51 (GX10)





Square version						
luminaire	code	fixed optic	adjustable optic	lamp		
small body, Frame installation 	M987**		S	-	1x2,2 W LED neutral white	
	M988**		M	-	1x2,2 W LED neutral white	
	M989**		S	-	1x2,2 W LED warm white	
	M990**		F	-	1x2,2 W LED warm white	
	M991		S	-	50 W QR CBC 51 (max 36°)	
	M992		M	-	20 W HI-PAR 51 (GX10)	
medium body, Minimal installation 	M993		S	-	35 W HI-PAR 51 (GX10)	
	M994		S	-	6x2 W LED neutral white	
	M995		M	-	6x2 W LED neutral white	
	M996		S	-	6x2 W LED warm white	
	M997		M	-	6x2 W LED warm white	
	M998		S	-	6x2 W LED RGB	
	M999		M	-	6x2 W LED RGB	
	MA00		S	-	50 W QR CBC 51 (max 36°)	
	MA01		S	-	20 W HI-PAR 51 (GX10)	
	MA02		S	-	35 W HI-PAR 51 (GX10)	
	medium body, Frame installation 	MA03		S	-	50 W QR CBC 51 (max 36°)
		MA04		M	-	20 W HI-PAR 51 (GX10)
MA05			S	-	35 W HI-PAR 51 (GX10)	
MA06			S	-	6x2 W LED neutral white	
MA07			M	-	6x2 W LED neutral white	
MA08			S	-	6x2 W LED warm white	
MA09			M	-	6x2 W LED warm white	
MA45*			S	-	6x2 W LED neutral white	
MA46*			M	-	6x2 W LED neutral white	
MA47*			S	-	6x2 W LED warm white	
MA48*			M	-	6x2 W LED warm white	
MA49*			S	-	6x2 W LED RGB	
MA50*			M	-	6x2 W LED RGB	
MA10			S	-	6x2 W LED RGB	
MA11		M	-	6x2 W LED RGB		
MA12		S	-	50 W QR CBC 51 (max 36°)		
MA13		S	-	20 W HI-PAR 51 (GX10)		
MA14		S	-	35 W HI-PAR 51 (GX10)		





* IP65 luminaires
 ** Electronic components must be ordered separately (code BZA0)
 LED and discharge versions are complete with control gear.
 LED RGB versions are complete with electronic components.
 Code M938 is only available in colour 01.



Circular version						
luminaire	code	fixed optic	adjustable optic	lamp		
large body, Minimal installation 	M963		-		75 W QR 111	
	M964		-		70 W HIT (CDM-R111)	
	M965		-		12x2 W LED neutral white	
	M966		-		12x2 W LED neutral white	
	M967		-		12x2 W LED warm white	
	M968		-		12x2 W LED warm white	
	M969	-			75 W QR 111	
	M970	-			70 W HIT (CDM-R111)	
	M971	-			12x2 W LED neutral white	
	M972	-			12x2 W LED neutral white	
	M973	-			12x2 W LED warm white	
	M974	-			12x2 W LED warm white	
	large body, Frame installation 	M975		-		75 W QR 111
		M976		-		70 W HIT (CDM-R111)
M977			-		12x2 W LED neutral white	
M978			-		12x2 W LED neutral white	
M979			-		12x2 W LED warm white	
M980			-		12x2 W LED warm white	
M981		-			75 W QR 111	
M982		-			70 W HIT (CDM-R111)	
M983		-			12x2 W LED neutral white	
M984		-			12x2 W LED neutral white	
M985		-			12x2 W LED warm white	
M986		-			12x2 W LED warm white	

Square version						
luminaire	code	fixed optic	adjustable optic	lamp		
large body, Minimal installation 	MA15		-		75 W QR 111	
	MA16		-		70 W HIT (CDM-R111)	
	MA17		-		12x2 W LED neutral white	
	MA18		-		12x2 W LED neutral white	
	MA19		-		12x2 W LED warm white	
	MA20		-		12x2 W LED warm white	
	MA21	-			75 W QR 111	
	MA22	-			70 W HIT (CDM-R111)	
	MA23	-			12x2 W LED neutral white	
	MA24	-			12x2 W LED neutral white	
	MA25	-			12x2 W LED warm white	
	MA26	-			12x2 W LED warm white	
	large body, Frame installation 	MA27		-		75 W QR 111
		MA28		-		70 W HIT (CDM-R111)
MA29			-		12x2 W LED neutral white	
MA30			-		12x2 W LED neutral white	
MA31			-		12x2 W LED warm white	
MA32			-		12x2 W LED warm white	
MA33		-			75 W QR 111	
MA34		-			70 W HIT (CDM-R111)	
MA35		-			12x2 W LED neutral white	
MA36		-			12x2 W LED neutral white	
MA37		-			12x2 W LED warm white	
MA38		-			12x2 W LED warm white	

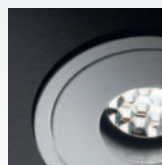
accessories	body ø 75	body ø 135
 Refractor for elliptical distribution of the light flow Colour 24	8673 ø 50	MWL7* ø 93 HAL/QR 111
 Coloured filters Colours 05-06-09-24-65	8658 ø 50	MWL8* ø 93
 Reflector with soft lens filter IP 44 for fixed optic Colours 10-14	MWL3 ø 55 HAL/HI PAR	MWL4 ø 102 HAL/HIT CDM-R
 Reflector for fixed optic Colours 10-14	MWL9 ø 55	MWM0 ø 102

accessories	body ø 75	body ø 135
 Refractor for elliptical distribution of the light flow Colour 24	8673 ø 50	MWL7* ø 93 HAL/QR 111
 Coloured filters Colours 05-06-09-24-65	8658 ø 50	MWL8* ø 93
 Reflector with soft lens filter IP44 for fixed optic Colours 10-14	MWL5 ø 55 HAL/HI PAR	MWL6 ø 102 HAL/HIT CDM-R
 Reflector for fixed optic Colours 10-14	MWM1 ø 55	MWM5 ø 102

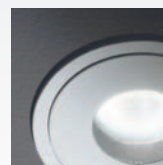
* Installation with accessory-holding frame
Electronic transformers can be found on page 236



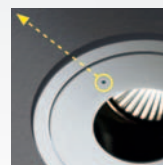
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Visual comfort





Diffuser filter



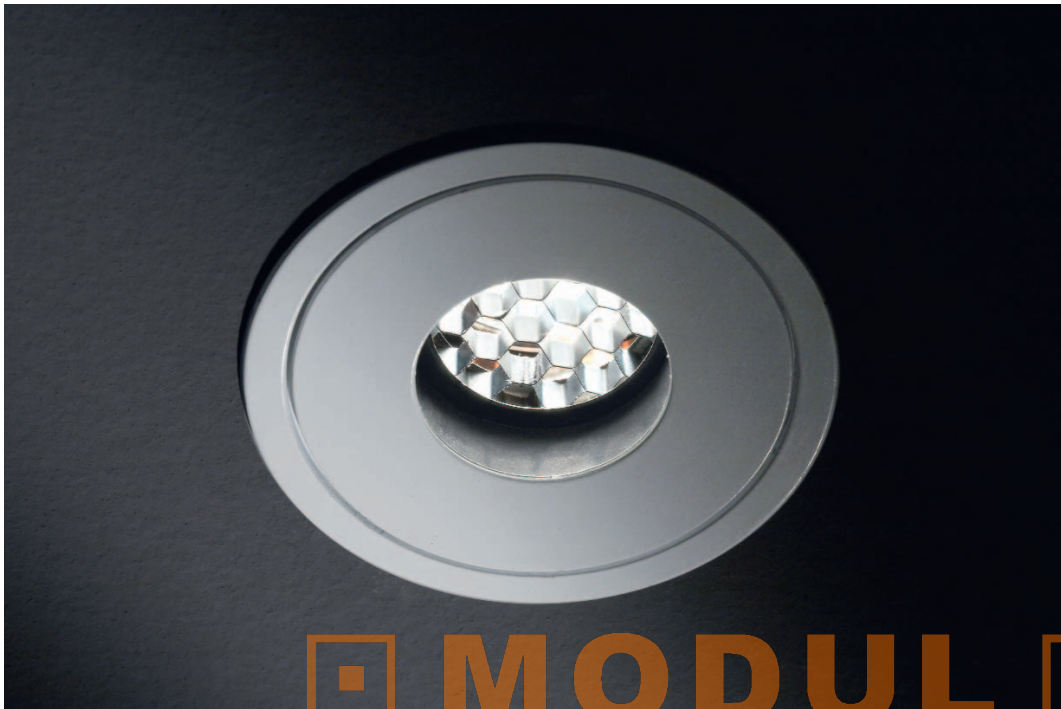
Directional indicator
of luminous flux



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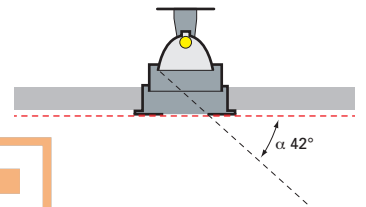
This discreet downlighter with minimal design is the ideal solution for the lighting requirements of hotels, retail and fitness areas and spaces that require exact light from compact fittings that are easy to install and maintain.

Available in two versions - fixed and adjustable - Pinhole can be installed in false ceilings with thickness from 1 to 20 mm with stainless steel springs. The front ring contains an accessory-holding ring.



Visual comfort

The backward position of the light source and the use of the functional anti-glare diffuser guarantee maximum visual comfort for users and excellent light in the most diverse settings without disturbing glare.

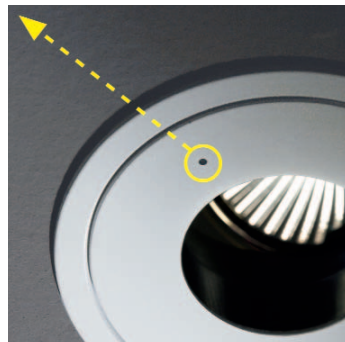
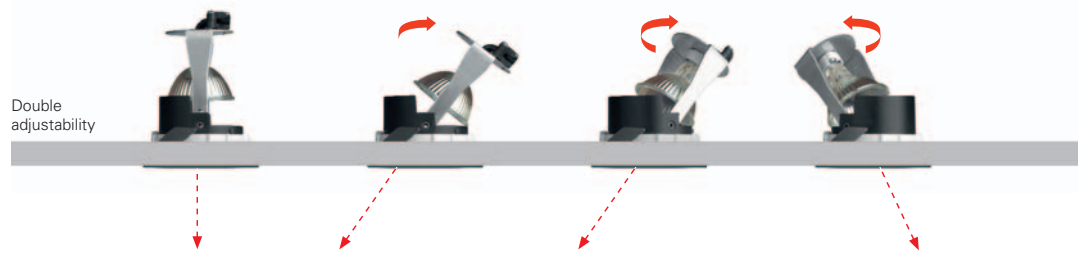


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Lighting direction

Pinhole is a small-sized luminaire that has been studied to satisfy the requirements of multiple application settings. The double adjustability of the light source - 355° on the vertical axis and 35° on the horizontal plane - and the use of special accessories ensure high flexibility to highlight details while creating exact atmospheres thanks to the sandblasted glass and the refractor for elliptical distribution of the luminous flux.



Directional indicator of luminous flux



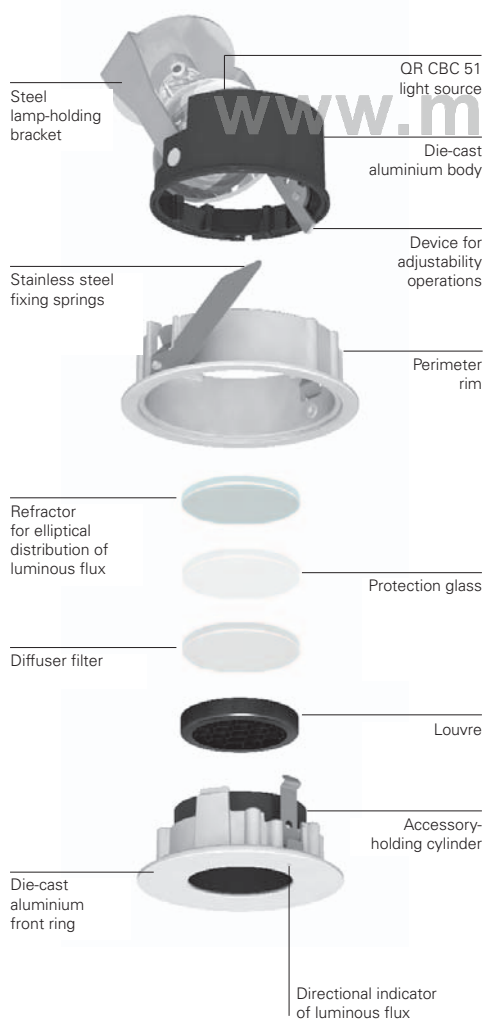
Diffuser filter



Only one luminaire for two versions to answer the lighting requirements of the space at best: Pinhole can create different lighting effects with the same aesthetics and the same visual impact.

Fixed

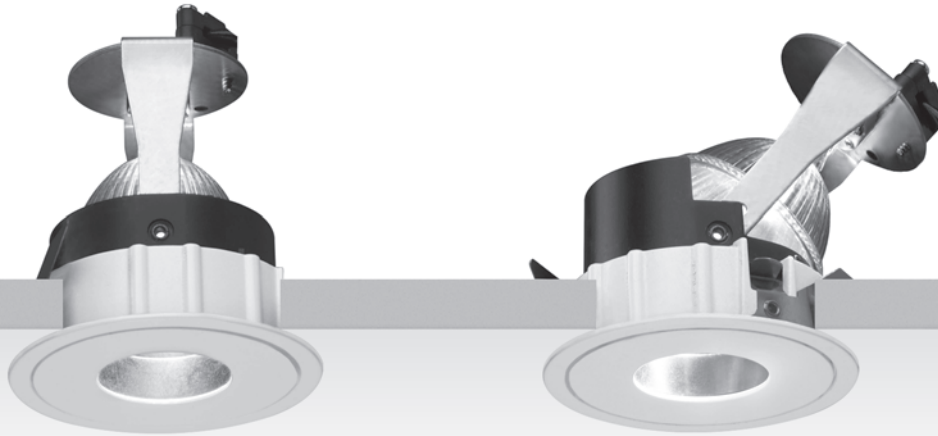
The fixed version offers ideal general lighting for halls, entrances and large rooms, guaranteeing a very comfortable light with total discretion.



Adjustable

The adjustable version delivers full flexibility and adjustability, valorising special elements or areas and creating suggestive atmospheres.

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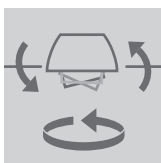
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- Fixed recessed luminaire for low voltage dichroic halogen lamp.
- Available in fixed and adjustable versions.
- Made of die-cast aluminium and thermoplastic material.
- Recessed installation in false ceilings with 1 to 20 mm thickness in holes with 75 mm diameter. Fixing with stainless steel springs.
- For adjustable versions 355° rotation around vertical axis and 35° internal rotation with respect to horizontal plane.
- A die-cast aluminium internal ring is fitted to a die-cast aluminium perimeter rim by means of contrast springs, on which the sheet steel lamp-holding bracket is fitted.
- A die-cast aluminium front ring inserted in the rim contains a cylindrical element made of black thermoplastic material that houses the following accessories: sandblasted glass, refractor for elliptical distribution, honeycomb louvre.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20
- F seal (except for 50 W adjustable version)
- ENEC approval
- Class of Insulation III



Double adjustability



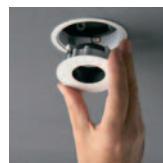
Adjustability device



Visual comfort



Installation in false ceilings from 1 to 20 mm



Easy installation and maintenance



Relamping without tools



Installation of accessories without tools



luminaire	code	optic	lamp
<p>fixed</p> <p>M247</p>		S	35 W QR CBC 51 IRC
		M	50 W QR CBC 51 *
		F	

luminaire	code	optic	lamp
<p>adjustable</p> <p>M248</p>		S	35 W QR CBC 51 - IRC
		M	50 W QR CBC 51
		F	

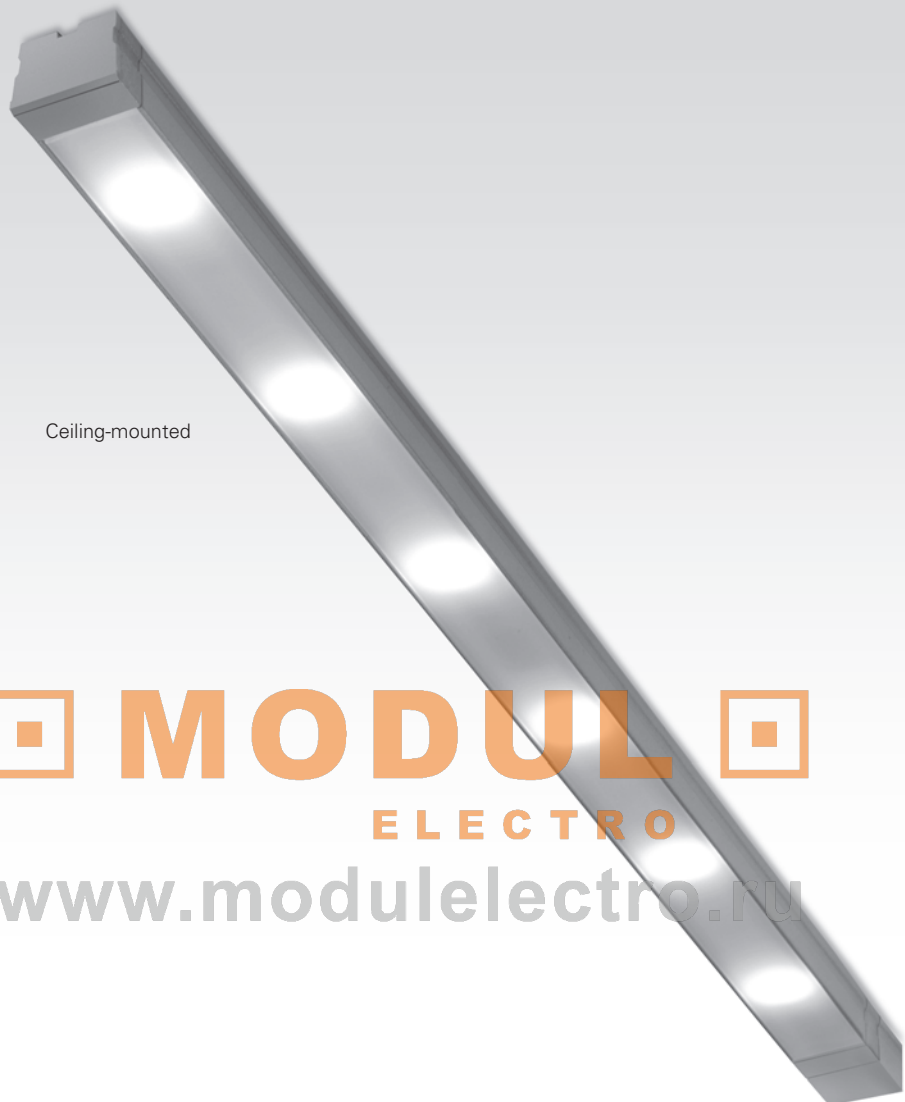
*Installation of accessories is not possible

accessories	code
<p>Refractor for elliptical distribution of the light flow Colour 24</p>	MW77
<p>Filter Colours 24-65</p>	MW78
<p>Louvre Colour 04</p>	MW79

electronic safety transformer	code	colour	
<p>20-60 W 230/12 V Top</p>	5580	00	
	50-105 W 230/12 V Top		5582
	10-60 W 230/12 V St		5581
	35-105 W 230/12 V St		5583
<p>50-200 W 230/12 V Top</p>	5586*		
	50-200 W 230/12 V St		5587*
	20-60 W 230/12 V St		5584
	50-105 W 230/12 V St		5585

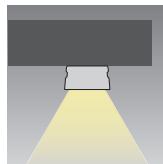
* Height of min. space h 160mm
Further technical information on page 236

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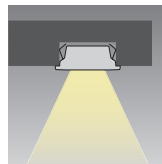


Ceiling-mounted

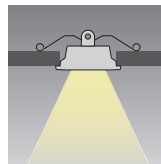
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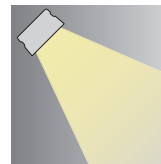
Under-shelf surface-mounted luminaire



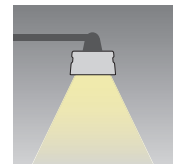
Under-shelf and wall recessed luminaire



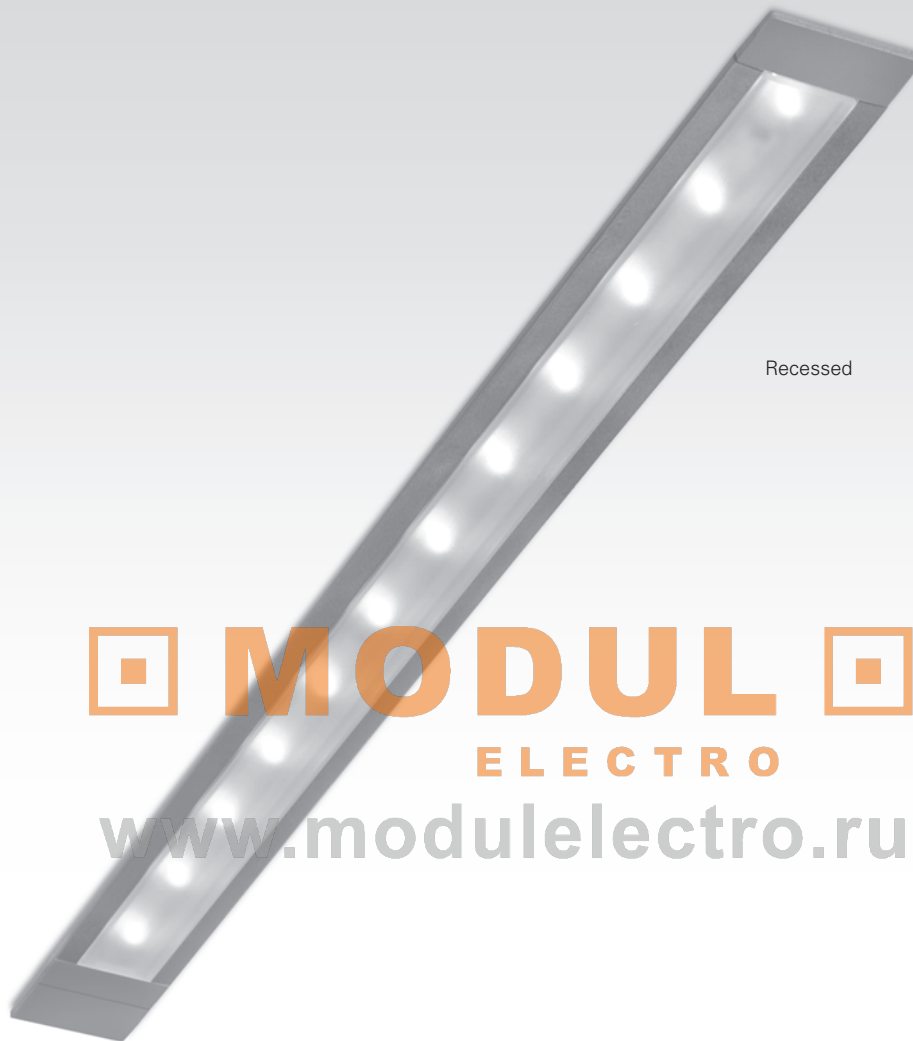
Recessed installation for conventional false ceilings



Adjustable base



Adjustable arm
L=100/200 mm



Recessed

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High flux



Low flux



LED RGB DALI version

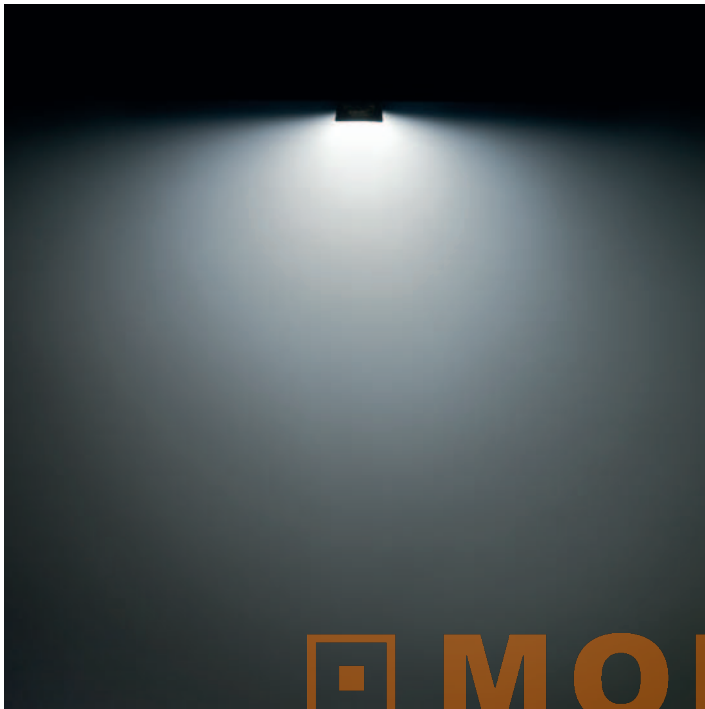


Light management systems

A system of rigid sections characterised by very small dimensions, as stated by its name: the number indicates the width value of the bar. Available in different lengths and in "high flux" (high emission) version for high-performing lighting and "low flux" (low emission) version for signalling light.

This luminous bar has been developed for ideal integration in retail and museum areas, also thanks to the use of LEDs with IRC >90. The range offers warm and neutral white LEDs, together with blue and RGB LEDs.

Whether installed in surface-mounted, wall-mounted or recessed version, X26 meets a wide array of lighting requirements with high versatility: perimeter lighting, backlighting, direct and indirect lighting of spaces, valorisation of niches and showcases, and signalling light for pathways and transit areas. With flexibility and minimum visual impact, the luminaire can create suggestive atmospheres, taking full advantage of LEDs that ensure excellent performances with high energy and money saving.



High Flux

"High emission" versions find their ideal application in boutiques, shops and retail areas, especially for showcases, corners, shelves and displays that require efficient linear lighting. X26 high flux guarantees high performance thanks to the potential of monochromatic LED sources with warm and neutral white colour temperatures with emission of warm embracing light or natural bright light, respectively.

The use of warm white LED with IRC>90 permits installation also in museums that require maximum respect of natural colours and shades of objects and exhibits, in addition to total safety for artworks over time thanks to lack of IR and UV radiation and negligible heat.



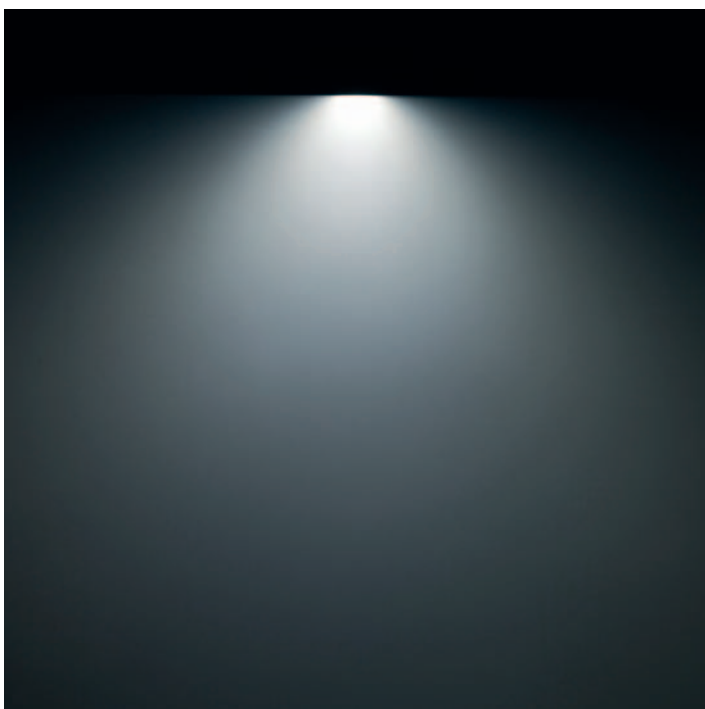
LED warm white
IRC 80

LED neutral warm
IRC 80

LED warm white
IRC 90

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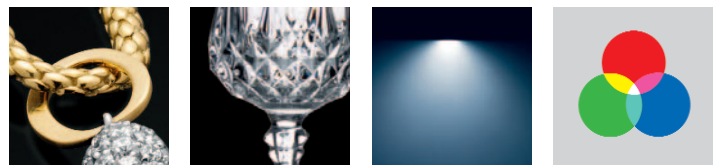


Low Flux

The "low emission" version has been studied as element for signalling and effect lighting, suitable for niches and light lines or to illuminate narrow areas within the installation site.

The wide range of colour temperatures for LEDs, amongst which blue and RGB, warm and neutral white, allows X26 Low flux to create suggestive luminous settings with bright plays of light and colour that liven spaces and thrill users.

The result is efficient lighting at low wattages, with considerable energy saving and reduction of CO₂ emissions in the atmosphere.



LED warm white
IRC 80

LED neutral warm
IRC 80

Blue

RGB

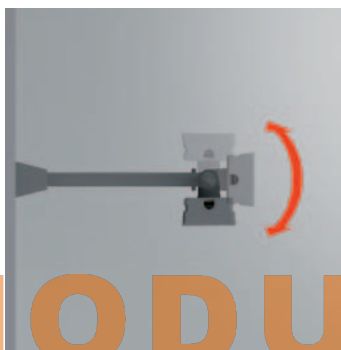
Ceiling-mounted

Essential, clean design for the aluminium section in surface-mounted version, that can be installed in ceiling-mounted, under and over shelf, for indirect lighting, wall and floor-mounted versions according to the lighting needs. The ceiling-mounted version can be applied on walls with a special accessory arm. The adjustability of arm allows for aiming the luminaire precisely according to the space and object to be illuminated.

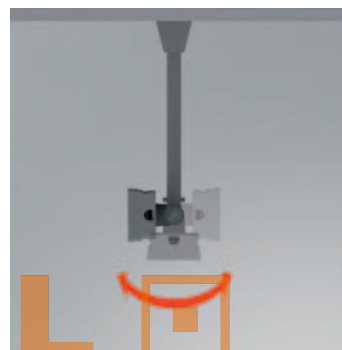


Wall-mounted

Installation with arm



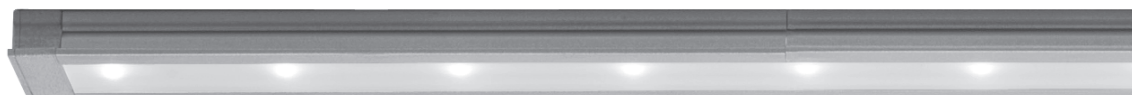
Ceiling installation with arm



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Recessed

System X26 also includes a recessed version with perimeter rim; the section can be inserted in contrast position in case of high thickness or in false ceilings from 1 to 30 mm by making a through cut and using the specific optional springs. This version of X26 guarantees the same performance with minimum visual impact.

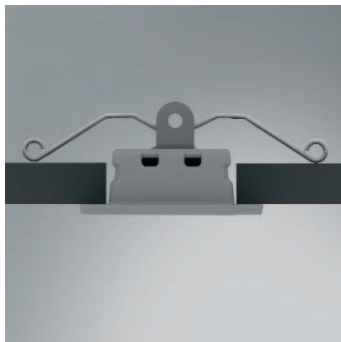


Pair of springs for installation in false ceiling

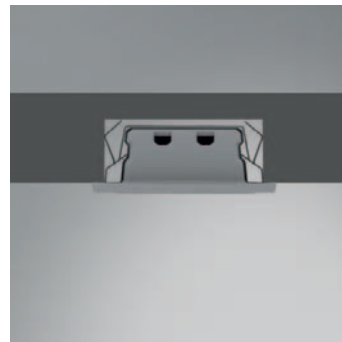


Springs for under-shelf recessed installation

Installation in false ceiling



Installation on shelf





Installation in showcase



Installation on shelf



- LED linear lighting system for ceiling-mounted and recessed installations, available in two luminous versions: high flux for lighting and low flux for signalling.
 - Made of extruded aluminium section available in bars with different length up to 2000 mm.
 - Opaline (high flux version) or translucent (low flux version) polycarbonate diffuser.
 - Sections contain LEDs (24Vdc) modules in warm (3100K) and neutral white (4200K); the high flux model comprises a warm version. 2 Step Mac Adam ellipses neutral white (4200K) CRI 80.
 - Low flux model also with blue and RGB LEDs (24Vdc).
 - Control gears not included.
 - Accessories for connection and power supply available for both types of installation.
 - A practical fast-coupling system to match sections easy.
 - Surface-fixing system with optional clips.
 - The section for recessed installation includes contrast springs for application on blind milled parts; use the specific optional springs for through milled parts in false ceilings from 1 to 30 mm.
 - The technical characteristics of the fitting comply with EN60598-1 standard.
 - IP40
 - F seal
 - ENEC approval
 - Class of Insulation III
- * (MacAdam 1942 Visual sensitivities to color differences in daylight J. Opt. Soc. Am. 32:247-274)

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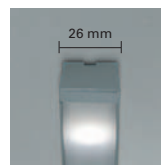
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Photo: Vitore Buzz



Quick-connecting terminal



Compact size ceiling-mounted version



Compact size recessed version



12



luminaire	code	length	lamp
<p>LED bar LOW FLUX</p>	M830	500	1,5 W LED neutral white
	M831	1000	3 W LED neutral white
	M832	1500	4,5 W LED neutral white
	M833	2000	6 W LED neutral white
	M834	500	1,5 W LED warm white
	M835	1000	3 W LED warm white
	M836	1500	4,5 W LED warm white
	M837	2000	6 W LED warm white
	M838	500	1,5 W LED blue
	M839	1000	3 W LED blue
	M840	1500	4,5 W LED blue
	M841	2000	6 W LED blue
	M842	500	1,5 W LED RGB
	M843	1000	3 W LED RGB
	M844	1500	4,5 W LED RGB
	M845	2000	6 W LED RGB

luminaire	code	length	lamp
<p>LED bar HIGH FLUX</p>	M846	250	3 W LED neutral white
	M847	500	6 W LED neutral white
	M848	1000	12 W LED neutral white
	M849	1500	18 W LED neutral white
	M850	2000	24 W LED neutral white
	M851	250	3 W LED warm white
	M852	500	6 W LED warm white
	M853	1000	12 W LED warm white
	M854	1500	18 W LED warm white
	M855	2000	24 W LED warm white
	M856*	250	3 W LED warm white
	M857*	500	6 W LED warm white
	M858*	1000	12 W LED warm white
	M859*	1500	18 W LED warm white
	M860*	2000	24 W LED warm white

* IRC 90

accessories	code
<p>Power supply end cap with cables Colour 15</p>	MWJ9
<p>Power supply intermediate end cap with cables Colour 15</p>	MWK0
<p>Electronic power supply 50 W 24 V Colour 00</p>	MWK4
<p>Dimmable electronic power supply 70 W 1-10 V Colour 00</p>	MWK5
<p>DALI dimming interface 120 W 24 V Colour 00</p>	MWP3

accessories	code
<p>RGB power supply end cap Colour 15</p>	MWJ7
<p>Fixing clips kit Colour 00</p>	MWJ8
<p>Adjustable arm Colour 12</p>	MWJ5 L=100
	MWJ6 L=200
<p>Adjustable base Colour 15</p>	MWJ4

For complex installations with considerable length, the electronic power supplies for DIN bar with code 9910 (72W) - 9911 (96W) - 9912 (240W) can be used.



12



luminaire	code	length	lamp
<p>LED bar LOW FLUX</p>	M861	500	1,5 W LED neutral white
	M862	1000	3 W LED neutral white
	M863	1500	4,5 W LED neutral white
	M864	2000	6 W LED neutral white
	M865	500	1,5 W LED warm white
	M866	1000	3 W LED warm white
	M867	1500	4,5 W LED warm white
	M868	2000	6 W LED warm white
	M869	500	1,5 W LED blue
	M870	1000	3 W LED blue
	M871	1500	4,5 W LED blue
	M872	2000	6 W LED blue
	M873	500	1,5 W LED RGB
	M874	1000	3 W LED RGB
	M875	1500	4,5 W LED RGB
	M876	2000	6 W LED RGB

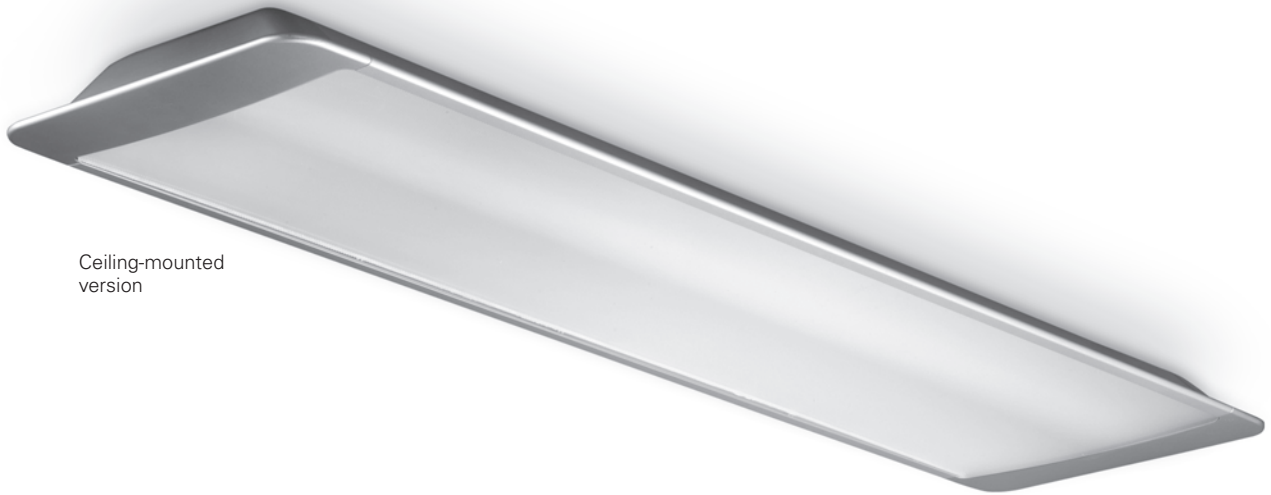
luminaire	code	length	lamp
<p>LED bar HIGH FLUX</p>	M877	250	3 W LED neutral white
	M878	500	6 W LED neutral white
	M879	1000	12 W LED neutral white
	M880	1500	18 W LED neutral white
	M881	2000	24 W LED neutral white
	M882	250	3 W LED warm white
	M883	500	6 W LED warm white
	M884	1000	12 W LED warm white
	M885	1500	18 W LED warm white
	M886	2000	24 W LED warm white
	M887*	250	3 W LED warm white
	M888*	500	6 W LED warm white
	M889*	1000	12 W LED warm white
	M890*	1500	18 W LED warm white
	M891*	2000	24 W LED warm white

* IRC 90

accessories	code
<p>Power supply end cap Colour 15</p>	MWK1
<p>Power supply intermediate end cap with cables Colour 15</p>	MWK2
<p>Pair of springs for insertion with through slot Colour 00</p>	MWK3

accessories	code
<p>RGB power supply end cap Colour 15</p>	MWN9
<p>Electronic power supply 50 W 24 V Colour 00</p>	MWK4
<p>Dimmable electronic power supply 70 W 1-10 V Colour 00</p>	MWK5
<p>DALI dimming interface 120 W 24 V Colour 00</p>	MWP3

For complex installations with considerable length, the electronic power supplies for DIN bar with code 9910 (72W) - 9911 (96W) - 9912 (240W) can be used.



Ceiling-mounted
version

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Individual pendant



Ceiling-mounted



Recessed 600x600
and 300x1200



Recessed version

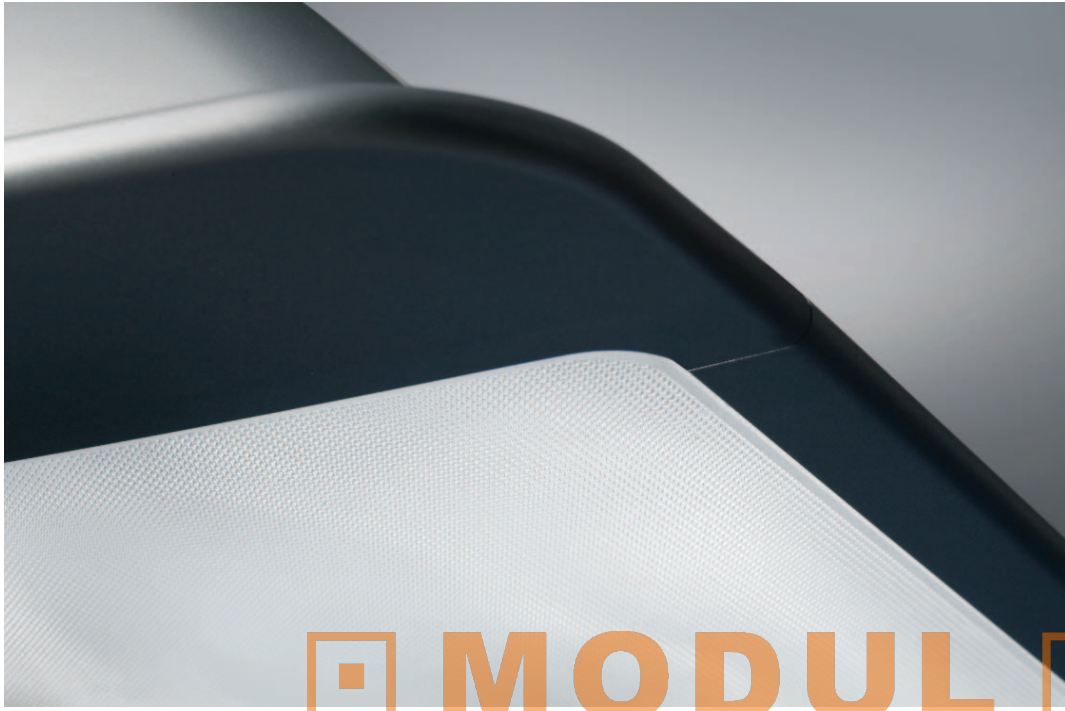
Pendant version

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Continuous line
pendant

Aesthetical excellence for a product with soft, sinuous lines. Mainly studied to meet lighting requirements of work areas, Lens integrates in different settings valorising architecture through refinement and formal simplicity. Designed for use with fluorescent lamps, the luminaire is characterised by the special diffuser made of prismatic methacrylate

that divides the emission into up and downlight, with excellent luminance control. Available in individual suspended versions and continuous line versions, Lens is also designed for ceiling-mounted and recessed installation, with the same performance as the suspended version, and a simpler, more linear shape, either square or rectangular.



Optical principle

The innovative optical principle benefits from the advantages of the prismatic methacrylate diffuser to maintain excellent luminance control in a clean shape, guaranteeing a wide, diffused upright emission and a visually comfortable downlight emission (UGR <19).

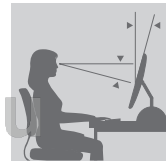
Lens creates suggestive atmospheres, in full compliance with standard EN 12464-1, being the ideal product for offices and work places with VDUs thanks to the glare control that favours reading and working activities.

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Optical diffuser to direct luminous rays with optimized geometrical elements for luminance control.





Design

Lens is the result of constant search for innovative solutions to comply with modern aesthetical and technical lighting requirements. Soft, refined design combines with technology to originate a solution that gives an elegant, yet effective reply to the lighting requirements of the space where it is installed.



Luminous emission

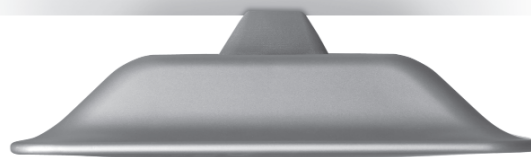
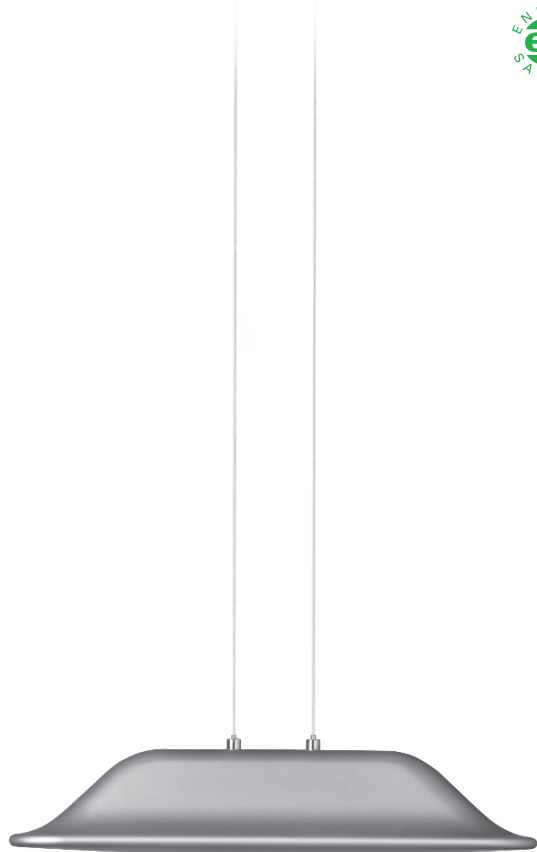
Double luminous emission for suspended versions. The direct light guarantees uniform effective general lighting, while the uplight emission creates a pleasant diffused atmosphere.

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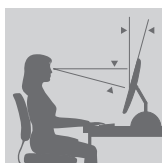


MODULO

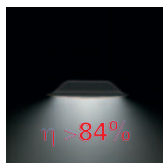
ELECTRO

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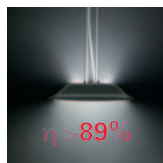
- Painted extruded aluminium structure.
- End caps of plastic material.
- Methacrylate optical diffuser for direction of luminous rays with optimized geometrical elements.
- Luminance control $L < 1000 \text{ cd/m}^2$ for $\alpha > 65^\circ$. Suitable for use in offices with VDUs in compliance with EN12464-1
- Multiwatt electronic, DALI and emergency control gears.
- Dimmable DALI versions with Switch Dim with possibility of regulation also by means of standard electric button.
- Emergency versions complete with inverter and battery pack; permanent emergency light with 1 hour autonomy with terminal blocks for REST MODE.
- Direct and indirect luminous emission; transparent protection screens and cover for downlight-emission available as accessories.
- Suspended version available in individual mode (complete with base, suspension cables and power supply cord) and in continuous line mode (with possibility of module aggregation by means of direct couplings, end caps, power supply cords, ceiling base to be ordered separately).
- Ceiling-mounted version complete with section for ceiling installation.
- The technical characteristics of the fitting comply with EN60598-1 standard.
 - IP20
 - F seal
 - ENEC approval
 - Class of Insulation I



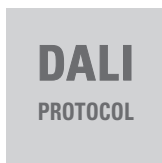
Dark VDU



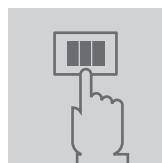
Down Light
UGR<19
ECA Compliance
1500 cd/m² 65° (2x28/35 W)



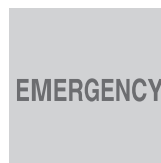
Up/Down
UGR<19
ECA Compliance (2x35 W)
1000 cd/m² 65° (2x28/35 W)
1500 cd/m² 65° (2x49 W)



DALI light management



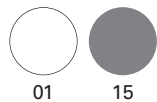
Switch dim



Emergency for electronic versions



Multiwatt ballasts



Registered Design - Patent Pending

	luminaire	control gear	code	length	lamp FL T16
individual pendant		ELECTRONIC MULTIWATT	M293	1277	2x28/54 W
			M294	1577	2x35/49 W
		DALI MULTIWATT	M295*	1277	2x28/54 W
			M296*	1577	2x35/49 W
		EMERGENCY MULTIWATT	M297	1577	2x35/49 W
continuous line pendant		ELECTRONIC MULTIWATT	M298	1175	2x28/54 W
			M299	1475	2x35/49 W
		DALI MULTIWATT	M300*	1175	2x28/54 W
			M301*	1475	2x35/49 W
EMERGENCY MULTIWATT	M302	1475	2x35/49 W		

	luminaire	control gear	code	length	lamp FL T16
ceiling-mounted		ELECTRONIC MULTIWATT	M303	1277	2x28/54 W
			M304	1577	2x35/49 W
		DALI MULTIWATT	M305*	1277	2x28/54 W
			M306*	1577	2x35/49 W
		EMERGENCY MULTIWATT	M307	1577	2x35/49 W

* Occupies 1 DALI address

	accessories	code	code
	Upper safety screen	MWE2 for modules 28/54 W	MWE3 for modules 35/49 W
	Colour 24		
	Upper cover for down light emission	MWE4 for modules 28/54 W	MWE5 for modules 35/49 W
	Colour 01-15		

continuous line couplings and installation systems	code
Two end caps Colours 01-15	MW98
Direct coupling with suspension cable Colours 01-15	MW99

continuous line couplings and installation systems	code
Power supply base with suspension cables Colour 01	MWA0 ELECTRONIC
	MWA1 DALI/EMERGENCY
Ceiling attachment with cables Colour 01	MWA2

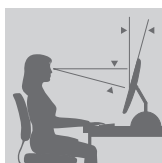


MODULO

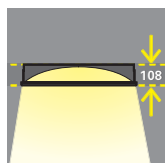
ELECTRO

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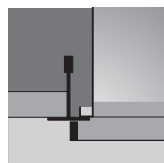
- Recessed luminaire for T16 lamps.
- Body made of white pre-painted sheet steel.
- Methacrylate optical diffuser for direction of luminous rays with optimized geometrical elements.
- Luminance control $L < 1000 \text{ cd/m}^2$ for $\alpha > 65^\circ$. Suitable for use in offices with VDUs in compliance with EN12464-1
- Multiwatt electronic, DALI and emergency control gears.
- Dimmable DALI versions with Switch Dim with possibility of regulation also by means of standard electric button.
- Emergency versions complete with inverter and battery pack; permanent emergency light with 1 hour autonomy with terminal blocks for REST MODE.
- The technical characteristics of the fitting comply with EN60598-1 standard.
 - IP40
 - F seal
 - ENEC approval
 - Class of Insulation I



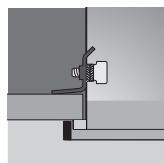
Dark VDU



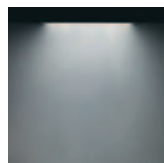
Reduced height



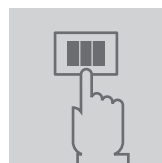
Grid installation from above



Plasterboard application



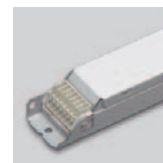
High output
UGR<19
1000 cd/m² 65° UGR<16
(2x35 W and 4x14 W)
1500 cd/m² 65° UGR<19
(2x54 W and 4x24 W)



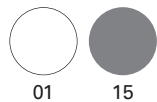
Switch dim

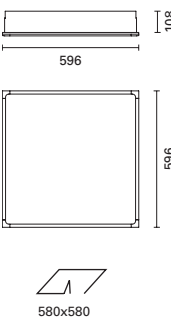


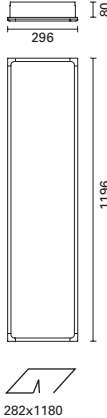
Emergency for electronic versions





Multiwatt ballasts



luminaire	control gear	code	lamp FL T16
square 	ELECTRONIC MULTIWATT	M308	4x14/24 W
	DALI MULTIWATT	M309*	4x14/24 W
	ELECTRONIC MULTIWATT	M310	4x14/24 W

luminaire	control gear	code	lamp FL T16
rectangular 	ELECTRONIC MULTIWATT	M311	2x28/54 W
	DALI MULTIWATT	M312**	2x28/54 W
	ELECTRONIC MULTIWATT	M313	2x28/54 W

installation systems	code
 Accessory for installation in false ceiling for square versions Colour 00	9695

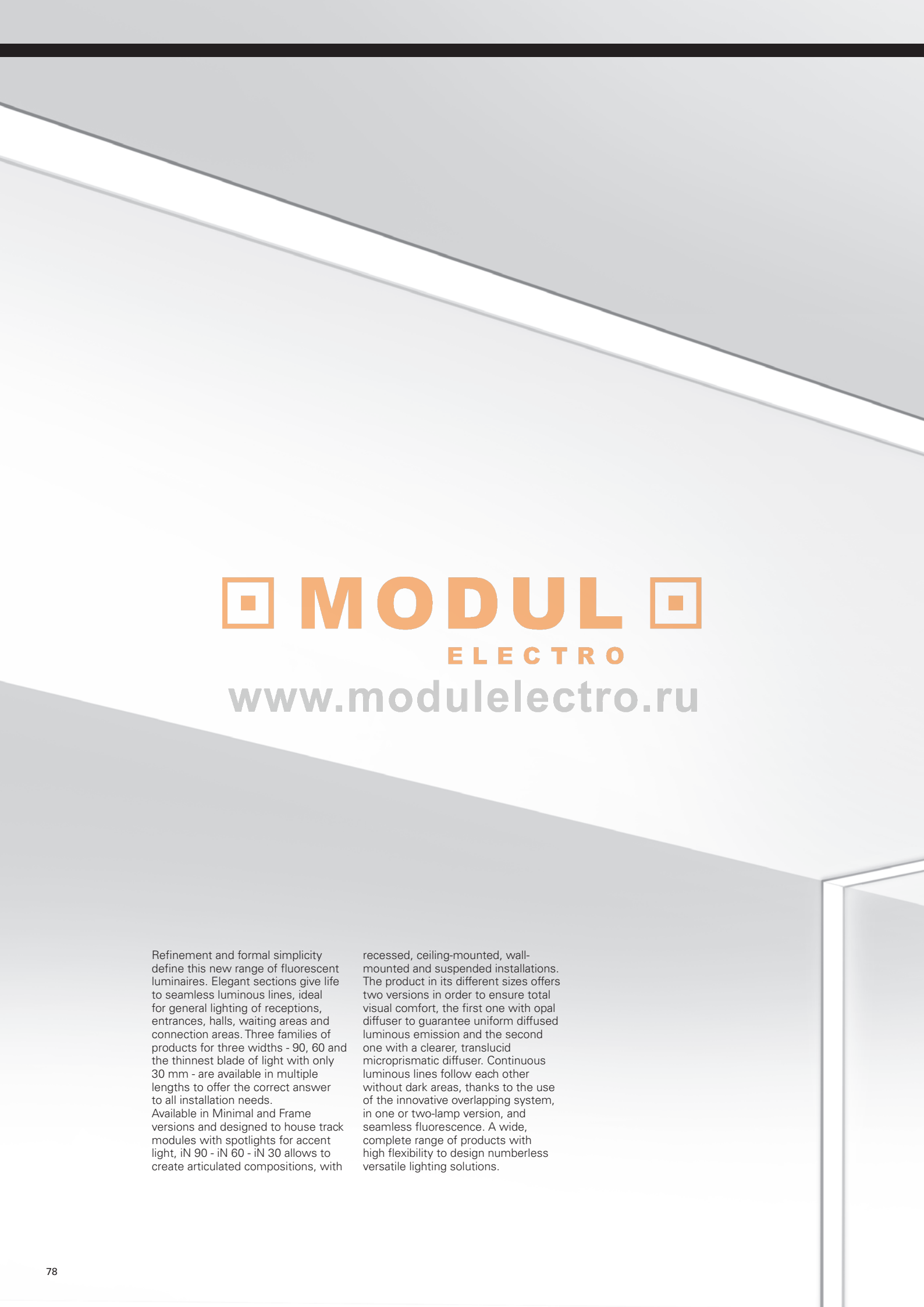
installation systems	code
 Accessory for installation in false ceiling for rectangular versions Colour 00	9689

* Occupies 2 DALI addresses

** Occupies 1 DALI address



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Refinement and formal simplicity define this new range of fluorescent luminaires. Elegant sections give life to seamless luminous lines, ideal for general lighting of receptions, entrances, halls, waiting areas and connection areas. Three families of products for three widths - 90, 60 and the thinnest blade of light with only 30 mm - are available in multiple lengths to offer the correct answer to all installation needs. Available in Minimal and Frame versions and designed to house track modules with spotlights for accent light, iN 90 - iN 60 - iN 30 allows to create articulated compositions, with

recessed, ceiling-mounted, wall-mounted and suspended installations. The product in its different sizes offers two versions in order to ensure total visual comfort, the first one with opal diffuser to guarantee uniform diffused luminous emission and the second one with a clearer, translucent microprismatic diffuser. Continuous luminous lines follow each other without dark areas, thanks to the use of the innovative overlapping system, in one or two-lamp version, and seamless fluorescence. A wide, complete range of products with high flexibility to design numberless versatile lighting solutions.

2010

iN 90 - iN 60 - iN 30

design iGuzzini

iGuzzini

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Frame recessed



Minimal recessed



Minimal pendant



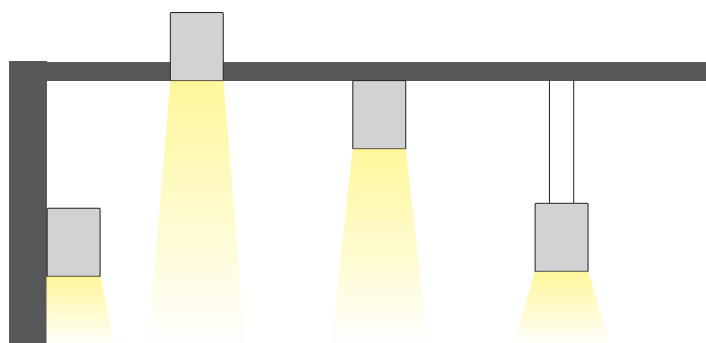
Minimal ceiling-mounted



Minimal wall-mounted



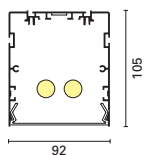
The minimalist aesthetic line has been studied to ensure minimum visual impact and full respect of formal architectures of the different settings where it integrates. iN 90 and iN 60 in Minimal version can be ceiling-mounted, recessed, suspended and wall-mounted with special accessories.



iN 90 is available in single-lamp version with T16 SLS fluorescent tube and in double-lamp version with T16 fluorescent tubes and overlapping system.

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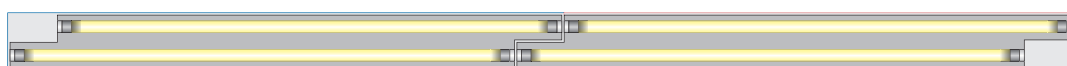


T16 fluorescent tube

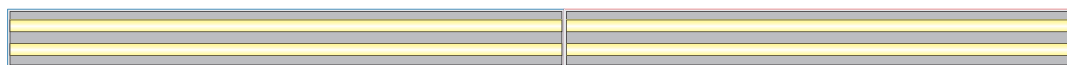
T16 SLS fluorescent tube

— Initial module
— Intermediate module

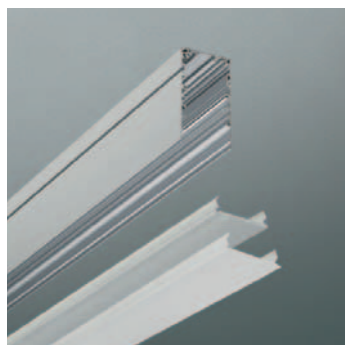
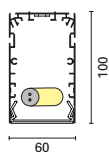
Overlapping system



Seamless system



iN 60 is available in single-lamp version with T16 SLS fluorescent tube or alternatively in T16 fluorescent tube version with overlapping system.

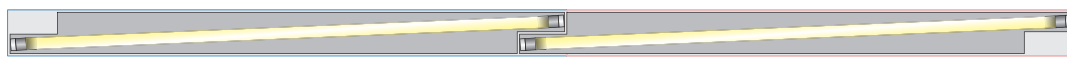


T16 fluorescent tube

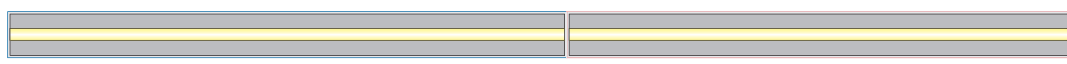
T16 SLS fluorescent tube

— Initial module
— Intermediate module

Overlapping system

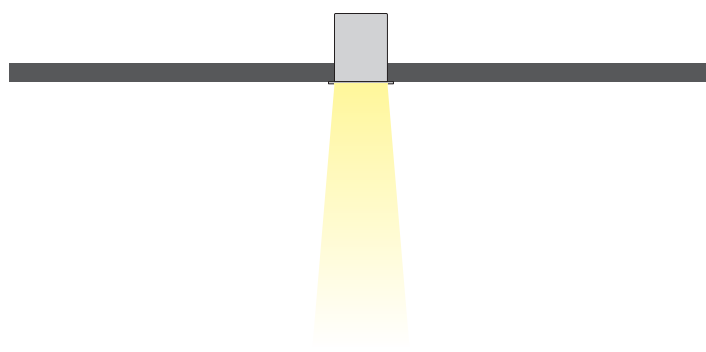


Seamless system

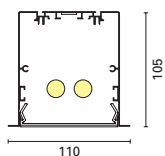




The Frame version with perimeter rim gives extreme elegance and refinement to this innovative modular lighting system. Recessed in false ceilings and walls with special fixing brackets, the Frame section guarantees appropriate lighting of halls, entrances, reception and connection areas.



iN 90 is available in single-lamp version with T16 SLS fluorescent tube and in double-lamp version with T16 fluorescent tubes and overlapping system.

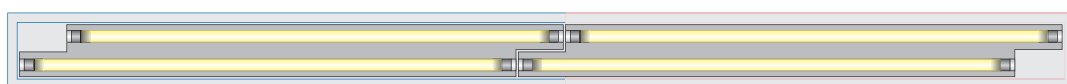


T16 fluorescent tube

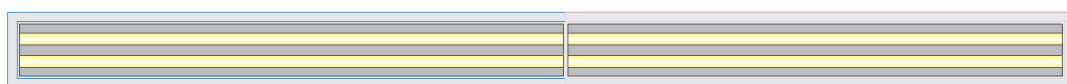
T16 SLS fluorescent tube

— Initial module
— Intermediate module

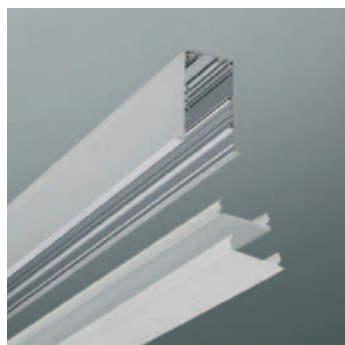
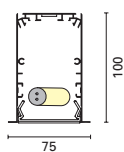
Overlapping system



Seamless system



iN 60 is available in single-lamp version with T16 SLS fluorescent tube or alternatively in T16 fluorescent tube version with overlapping system.

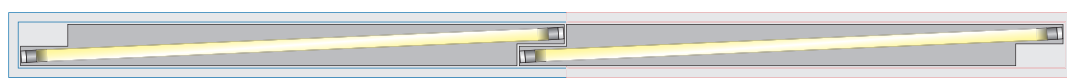


T16 fluorescent tube

T16 SLS fluorescent tube

— Initial module
— Intermediate module

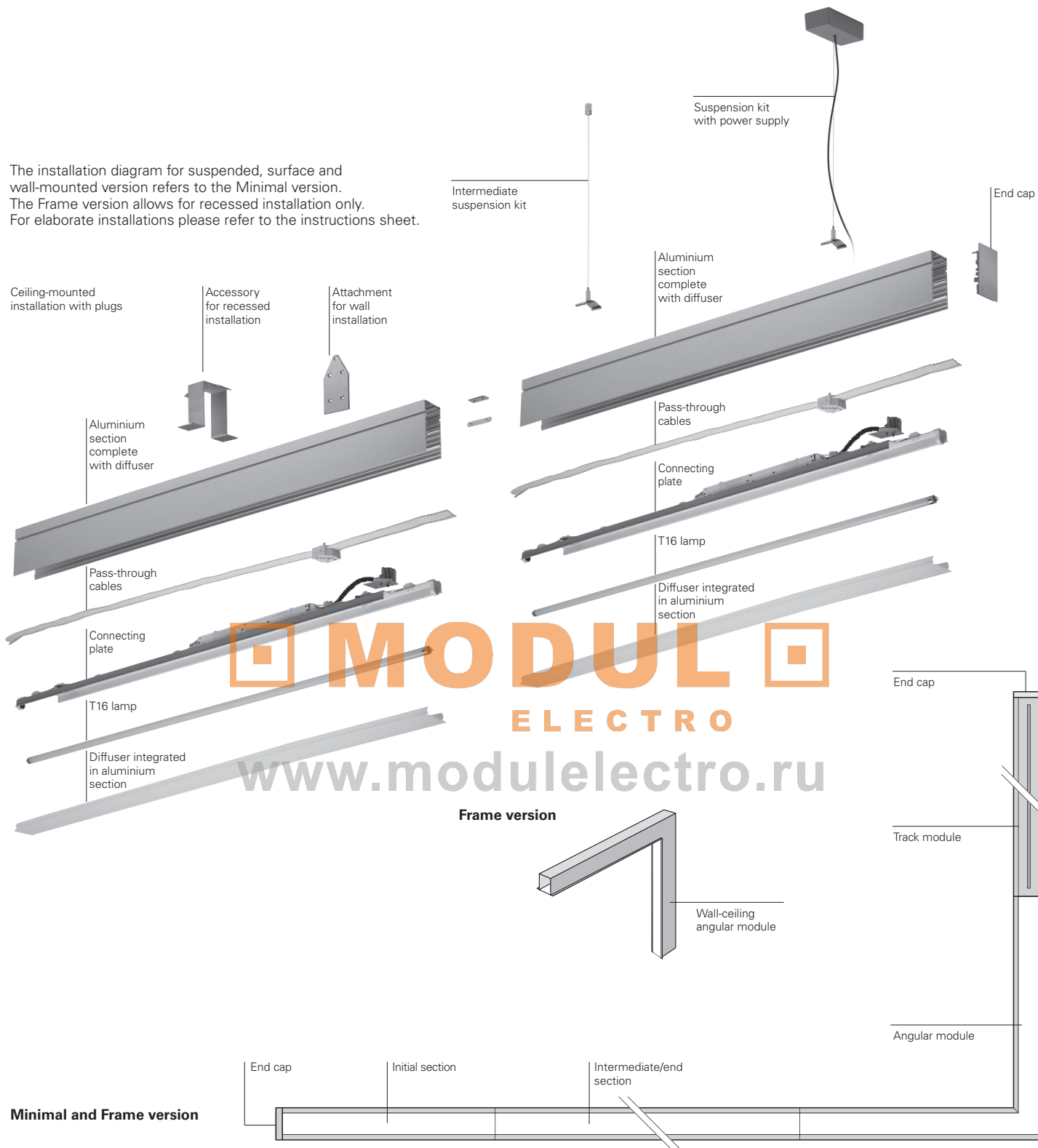
Overlapping system



Seamless system



The installation diagram for suspended, surface and wall-mounted version refers to the Minimal version. The Frame version allows for recessed installation only. For elaborate installations please refer to the instructions sheet.



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Minimal and Frame version

Mounting system for Minimal recessed installation

A modular lighting system: an equipped channel with possibility of choosing between two sections. Modular, recessed, suspended, or ceiling-mounted, the iN 90 - iN 60 system is the starting point of endless lighting solutions in multiple settings. Installation requires respect and execution of exact operations, for which reference must be made to the instructions sheet.





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- Modular lighting systems for continuous lines.
- Extruded aluminium section available in Minimal version (anodized grey finish) and Frame (anodized grey or white painted finish) complete with concealed aggregation couplings.
- Frame section for recessed installation on ceiling or wall complete with installation brackets.
- Minimal section for recessed installation on ceiling or wall, ceiling-mounted or suspended with dedicated accessories.
- 90° angular luminous sections also available for connection of lines from ceiling to vertical wall.
- Zamak end caps.
- Methacrylate opal diffuser for coupling multiple lengths with overlapping.
- Polycarbonate prismatic transparent diffuser designed for coupling multiple lengths with overlapping.
- Wired lamp-holding plate made of bent steel sheet designed for overlapping two T16 tubular lamps for continuous luminous effect.
- 7-pole 1,5 mm² through wiring for continuous lines. Fast-coupling terminal blocks for simplified installation of luminaires.
- Possibility of accent light with modules with integrated track.
- Electronic multiwatt, DALI and emergency control gears.
- DALI dimmable versions equipped with switch dim with possibility of regulation also with standard electric button.
- Emergency versions complete with inverter and battery pack; permanent emergency light with 1 hour autonomy with terminal blocks for REST MODE.
- Direct luminous emission.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20
- F seal
- ENEC approval
- Class of Insulation I



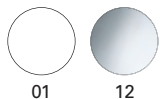
Diffuser overlapping



Seamless version



Overlapping



Minimal colour 12	T16	code	length	n° plates
	INITIAL section made of extruded aluminium without rim for wired plates 21/39 W T16	M433	985	1
	INITIAL section made of extruded aluminium without rim for wired plates 28/54 W T16	M434	1285	1
		M435	2452	2
		M436	3626	3
	INITIAL section made of extruded aluminium without rim for wired plates 35/49 W T16	M437	1500	1
		M438	3052	2
		M439	4526	3
	INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 28/54 W	M440	3526	3
	INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 35/49 W	M441	4426	3

Frame colours 01-12	T16	code	length	n° plates
	INITIAL section made of extruded aluminium with rim for wired plates 21/39 W T16	M451	985	1
	INITIAL section made of extruded aluminium with rim for wired plates 28/54 W T16	M452	1285	1
		M453	2452	2
		M454	3626	3
	INITIAL section made of extruded aluminium with rim for wired plates 35/49 W T16	M455	1500	1
		M456	3052	2
		M457	4526	3
	INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 28/54 W	M458	3526	3
	INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 35/49 W	M459	4426	3

Frame sections are complete with brackets for recessed installation

Minimal accessories	code
Angular module with opal diffuser 1x14/24 W Complete with plates Colour 12	MWA7
	MWA8 DALI
Track module Colour 12	MWB1 L=1200
	MWB2 L=1500
Two end caps Colour 15	MWB3
Suspension kit with power supply with central cable Colour 01	MWB4
	MWB5 DALI

Minimal accessories	code
Accessory for recessed installation without rim Complete with spacer for putting Colour 00	MWB6
Attachment for wall installation Colour 15	MWB7
Intermediate suspension with single cable Colour 00	MWB7

Frame accessories	code
Wall-ceiling angular module with opal diffuser 14/24 W Colours 01-12	MWC3
	MWC4 DALI
Angular module with opal diffuser 1x14/24 W Complete with plates Colours 01-12	MWB9
	MWC0 DALI

Frame accessories	code
Track module Colours 01-12	MWC7 L=1200
	MWC8 L=1500
Two end caps Colours 01-15	MWC9

Ceiling-mounted installation with plugs

wired plates			
	description	code	lamp
	Plates for General Lighting (overlapping) bi-lamp with electronic control gear Colour 01	M489	2x21/39 W T16
		M490	2x28/54 W T16
		M491	2x35/49 W T16
	Plates for General Lighting (overlapping) bi-lamp with DALI dimmable control gear Colour 01	M492*	2x21/39 W T16
		M493*	2x28/54 W T16
		M494*	2x35/49 W T16
	Plates for General Lighting (overlapping) bi-lamp with electronic control gear and emergency light Colour 01	M495	2x35/49 W T16

pass-through cables for intermediate modules			
	n° plates	code	for plates
	3	M496	28/54 W T16
	6	M497	28/54 W T16
	9	M498	28/54 W T16
	12	M499	28/54 W T16
	3	M500	35/49 W T16
	6	M501	35/49 W T16
	9	M502	35/49 W T16
	12	M503	35/49 W T16

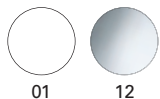
upper cover for overlapping plates	
	MWM3 colour 01

coupling plate	
	M504 colour 00

* Occupies 1 DALI address

For information on wattage of recessed applications please refer to the instructions sheet

Complete with terminal block and cable clamp. It must be used for every new intermediate power supply.



Minimal colour 12	T16 SLS	code	length	n° plates	
 opal diffuser	INITIAL section made of extruded aluminium without rim for wired plates 24 W T16 SLS	M469	585	1	
	INITIAL section made of extruded aluminium without rim for wired plates 21/39 W T16 SLS	M470	885	1	
		M471	1170	2	
		M472	2655	3	
	INITIAL section made of extruded aluminium without rim for wired plates 28/54 W T16 SLS	M473	1185	1	
		M474	2370	2	
		M475	3560	3	
	INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 21/39 W T16 SLS	M476	2660	3	
	INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 28/54 W T16 SLS	M477	3560	3	
	 prismatic diffuser	INITIAL section made of extruded aluminium without rim for wired plates 24 W T16 SLS	M478	585	1
		INITIAL section made of extruded aluminium without rim for wired plates 21/39 W T16 SLS	M479	885	1
			M480	1170	2
M481			2655	3	
INITIAL section made of extruded aluminium without rim for wired plates 28/54 W T16 SLS		M482	1585	1	
		M483	2370	2	
		M484	3560	3	
INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 21/39 W T16 SLS		M485	2660	3	
INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 28/54 W T16 SLS		M486	3560	3	

Frame colours 01-12	T16 SLS	code	length	n° plates	
 opal diffuser	INITIAL section made of extruded aluminium with rim for wired plates 24 W T16 SLS	M487	585	1	
	INITIAL section made of extruded aluminium with rim for wired plates 21/39 W T16 SLS	M488	885	1	
		M892	1170	2	
		M893	2655	3	
	INITIAL section made of extruded aluminium with rim for wired plates 28/54 W T16 SLS	M894	1185	1	
		M895	2370	2	
		M896	3560	3	
	INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 21/39 W T16 SLS	M897	2660	3	
	INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 28/54 W T16 SLS	M898	3560	3	
	 prismatic diffuser	INITIAL section made of extruded aluminium with rim for wired plates 24 W T16 SLS	M899	585	1
		INITIAL section made of extruded aluminium with rim for wired plates 21/39 W T16 SLS	M900	885	1
			M901	1170	2
M902			2655	3	
INITIAL section made of extruded aluminium with rim for wired plates 28/54 W T16 SLS		M903	1585	1	
		M904	2370	2	
		M905	3560	3	
INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 21/39 W T16 SLS		M906	2660	3	
INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 28/54 W T16 SLS		M907	3560	3	

Minimal accessories	code
Angular module with opal diffuser 24 W T16 SLS Complete with plates Colour 12	MWK7
Angular module with microprismatic diffuser 24 W T16 SLS Complete with plates Colour 12	MWK8
Track module Colour 12	MWB1 L=1200
	MWB2 L=1500
Two end caps Colour 15	MWB3

Minimal accessories	code
Suspension kit with power supply with central cable Colour 01	MWB4
	MWB5 DALI
Intermediate suspension with single cable Colour 00	MW67
Accessory for recessed installation without rim Complete with spacer for putting Colour 00	MWB6
Attachment for wall installation Colour 15	MWB7

Frame accessories	code
Angular module with opal diffuser 24 W T16 SLS Complete with plates Colours 01-12	MWK9
Angular module with microprismatic diffuser 24 W T16 SLS Complete with plates Colours 01-12	MWL0
Wall-ceiling angular module with opal diffuser 24 W T16 SLS Complete with plates Colours 01-12	MWL1

Frame accessories	code
Wall-ceiling angular module with microprismatic diffuser 24 W T16 SLS. Complete with plates. Colours 01-12	MWL2
Track module Colours 01-12	MWC7 L=1200
	MWC8 L=1500
Two end caps Colours 01-15	MWC9

wired plates			
	description	code	lamp
	Plate with electronic control gear Colour 01	M908	24 W T16 SLS
		M909	21/39 W T16 SLS
		M910	28/54 W T16 SLS
	Plate with DALI control gear Colour 01	M911*	21/39 W T16 SLS
		M912*	28/54 W T16 SLS
	Plate with emergency control gear Colour 01	M913	28/54 W T16 SLS

pass-through cables for intermediate modules			
	n° plates	code	for plates
	3	M914	21/39 W T16 SLS
	6	M915	21/39 W T16 SLS
	9	M916	21/39 W T16 SLS
	12	M917	21/39 W T16 SLS
	3	M918	28/54 W T16 SLS
	6	M919	28/54 W T16 SLS
	9	M920	28/54 W T16 SLS
	12	M921	28/54 W T16 SLS

* Occupies 1 DALI address

For information on wattage of recessed applications please refer to the instructions sheet



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- Modular lighting systems for continuous lines.
- Extruded aluminium section available in Minimal version (anodized grey finish) and Frame (anodized grey or white painted finish) complete with concealed aggregation couplings.
- Frame section for recessed installation on ceiling or wall complete with installation brackets.
- Minimal section for recessed installation on ceiling or wall, ceiling-mounted or suspended with dedicated accessories.
- 90° angular luminous sections also available for connection of lines from ceiling to vertical wall.
- Zamak end caps.
- Methacrylate opal diffuser for coupling multiple lengths with overlapping.
- Polycarbonate prismatic transparent diffuser designed for coupling multiple lengths with overlapping.
- Wired lamp-holding plate made of bent steel sheet designed for overlapping one T16 tubular lamp for continuous luminous effect.
- 5-pole 1.5 mm² through wiring for continuous lines. Fast-coupling terminal blocks for simplified installation of luminaires.
- Possibility of accent light with modules with integrated track.
- Electronic multiwatt, DALI and emergency control gears.
- DALI dimmable versions equipped with switch dim with possibility of regulation also with standard electric button.
- Emergency versions complete with inverter and battery pack; permanent emergency light with 1 hour autonomy.
- Direct luminous emission.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20
- F seal
- ENEC approval
- Class of Insulation I



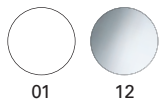
Diffuser overlapping



Seamless version



Overlapping



Minimal colour 12	T16	code	length	n° plates
<p>opal diffuser</p>	INITIAL section made of extruded aluminium without rim for wired plates 21/39 W T16	M674	885	1
	INITIAL section made of extruded aluminium without rim for wired plates 28/54 W T16	M675	1185	1
		M676	2252	2
		M677	3326	3
	INITIAL section made of extruded aluminium without rim for wired plates 35/49/80 W T16	M678	1485	1
		M679	2852	2
M680		4226	3	
INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 28/54 W T16	M681	3226	3	
INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 35/49/80 W T16	M682	4126	3	

Frame colours 01-12	T16	code	length	n° plates
<p>opal diffuser</p>	INITIAL section made of extruded aluminium without rim for wired plates 21/39 W T16	M692	885	1
	INITIAL section made of extruded aluminium with rim for wired plates 28/54 W T16	M693	1185	1
		M694	2252	2
		M695	3326	3
	INITIAL section made of extruded aluminium with rim for wired plates 35/49/80 W T16	M696	1485	1
		M697	2852	2
M698		4226	3	
INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 28/54 W T16	M699	3226	3	
INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 35/49/80 W T16	M700	4126	3	

Frame sections are complete with brackets for recessed installation

Minimal accessories	code
<p>Angular module with opal diffuser 1x14/24 W Complete with plates Colour 12</p>	MWG9
<p>Track module Colour 12</p>	MWH3 L=1200 MWH4 L=1500
<p>Two end caps Colour 15</p>	MWH5
<p>Suspension kit with power supply with central cable Colour 01</p>	MWB4 MWM2 DALI

Minimal accessories	code
<p>Accessory for recessed installation without rim Complete with spacer for putting Colour 00</p>	MWH6
<p>Attachment for wall installation Colour 15</p>	MWB7
<p>Intermediate suspension with single cable Colour 00</p>	MW67

Frame accessories	code
<p>Wall-ceiling angular module with opal diffuser 14/24 W Colours 01-12</p>	MW11 MW12 DALI
<p>Angular module with opal diffuser 1x14/24 W Complete with plates Colours 01-12</p>	MWH7 MWH8 DALI

Frame accessories	code
<p>Track module Colours 01-12</p>	MW15 L=1200 MW16 L=1500
<p>Two end caps Colours 01-15</p>	MW17

Ceiling-mounted installation with plugs

wired plates			
	description	code	lamp
	Plates for General Lighting (overlapping) bi-lamp with electronic control gear Colour 01	M746	1x21/39 W T16
		M747	1x28/54 W T16
		M748	1x35/49 W T16
	Plates for General Lighting (overlapping) bi-lamp with DALI dimmable control gear Colour 01	M749*	1x21/39 W T16
		M750*	1x28/54 W T16
		M751*	1x35/49 W T16
Plates for General Lighting (overlapping) bi-lamp with electronic control gear and emergency light Colour 01	M752	1x35/49 W T16	

pass-through cables for intermediate modules			
	n° plates	code	for plates
	3	M753	28/54 W T16
	6	M754	28/54 W T16
	9	M755	28/54 W T16
	12	M756	28/54 W T16
	3	M757	35/49 W T16
	6	M758	35/49 W T16
	9	M759	35/49 W T16
	12	M760	35/49 W T16

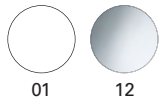
upper cover for overlapping plates	
	MWM4 colour 01

coupling plate	
	M761 colour 00

* Occupies 1 DALI address

For information on wattage of recessed applications please refer to the instructions sheet

Complete with terminal block and cable clamp. It must be used for every new intermediate power supply.



Minimal colour 12	T16 SLS	code	length	n° plates	
 opal diffuser	INITIAL section made of extruded aluminium without rim for wired plates 24 W T16 SLS	M710	585	1	
	INITIAL section made of extruded aluminium without rim for wired plates 21/39 W T16 SLS	M711	890	1	
		M712	1170	2	
		M713	2670	3	
	INITIAL section made of extruded aluminium without rim for wired plates 28/54 W T16 SLS	M714	1190	1	
		M715	2370	2	
		M716	3550	3	
	INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 21/39 W T16 SLS	M717	2670	3	
	INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 28/54 W T16 SLS	M718	3550	3	
	 prismatic diffuser	INITIAL section made of extruded aluminium without rim for wired plates 24 W T16 SLS	M719	585	1
		INITIAL section made of extruded aluminium without rim for wired plates 21/39 W T16 SLS	M720	890	1
			M721	1170	2
M722			2670	3	
INITIAL section made of extruded aluminium without rim for wired plates 28/54 W T16 SLS		M723	1190	1	
		M724	2370	2	
		M725	3550	3	
INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 21/39 W T16 SLS		M726	2670	3	
INTERMEDIATE/END section made of extruded aluminium without rim for wired plates 28/54 W T16 SLS		M727	2670	3	

Frame colours 01-12	T16 SLS	code	length	n° plates	
 opal diffuser	INITIAL section made of extruded aluminium with rim for wired plates 24 W T16 SLS	M728	585	1	
	INITIAL section made of extruded aluminium with rim for wired plates 21/39 W T16 SLS	M729	885	1	
		M730	1170	2	
		M731	2655	3	
	INITIAL section made of extruded aluminium with rim for wired plates 28/54 W T16 SLS	M732	1185	1	
		M733	2370	2	
		M734	3560	3	
	INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 21/39 W T16 SLS	M735	2660	3	
	INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 28/54 W T16 SLS	M736	3560	3	
	 prismatic diffuser	INITIAL section made of extruded aluminium with rim for wired plates 24 W T16 SLS	M737	585	1
		INITIAL section made of extruded aluminium with rim for wired plates 21/39 W T16 SLS	M738	885	1
			M739	1170	2
			M740	2655	3
		INITIAL section made of extruded aluminium with rim for wired plates 28/54 W T16 SLS	M741	1585	1
			M742	2370	2
M743			3560	3	
INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 21/39 W T16 SLS		M744	2660	3	
INTERMEDIATE/END section made of extruded aluminium with rim for wired plates 28/54 W T16 SLS		M745	3560	3	

Minimal accessories	code
Angular module with opal diffuser 24 W T16 SLS Complete with plates Colours 12	MW18
Angular module with microprismatic diffuser 24 W T16 SLS Complete with plates Colours 12	MW19
Track module Colour 12	MWH3 L=1200
	MWH4 L=1500
Two end caps Colour 15	MWH5

Minimal accessories	code
Suspension kit with power supply with central cable Colour 01	MWB4
	MWM2 DALI
Intermediate suspension with single cable Colour 00	MW67
Accessory for recessed installation without rim Complete with spacer for putting Colour 00	MWH6
Attachment for wall installation Colour 15	MWB7

Frame accessories	code
Angular module with opal diffuser 24 W T16 SLS Complete with plates Colours 01-12	MWJ0
Angular module with microprismatic diffuser 24 W T16 SLS Complete with plates Colours 01-12	MWJ1
Wall-ceiling angular module with opal diffuser 24 W T16 SLS Complete with plates Colours 01-12	MWJ2

Frame accessories	code
Wall-ceiling angular module with microprismatic diffuser 24 W T16 SLS. Complete with plates. Colours 01-12	MWJ3
Track module Colours 01-12	MWI5 L=1200
	MWI6 L=1500
Two end caps Colours 01-15	MWI7

wired plates			
	description	code	lamp
	Plate with electronic control gear Colour 01	M762	24 W T16 SLS
		M763	21/39 W T16 SLS
		M764	28/54 W T16 SLS
	Plate with DALI control gear Colour 01	M765*	21/39 W T16 SLS
		M766*	28/54 W T16 SLS

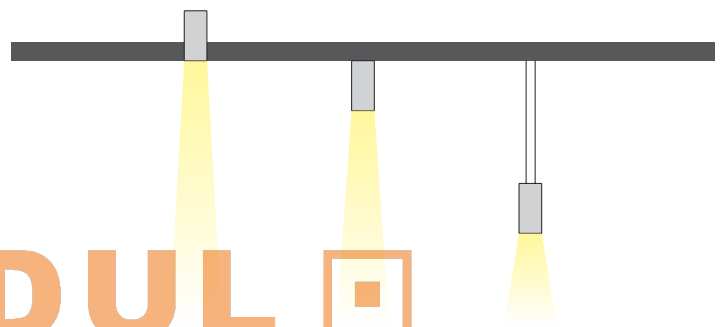
pass-through cables for intermediate modules			
	n° plates	code	for plates
	3	MA51	21/39 W T16 SLS
	6	MA52	21/39 W T16 SLS
	9	MA53	21/39 W T16 SLS
	12	MA54	21/39 W T16 SLS
	3	MA55	28/54 W T16 SLS
	6	MA56	28/54 W T16 SLS
	9	MA57	28/54 W T16 SLS
	12	MA58	28/54 W T16 SLS

* Occupies 1 DALI address

For information on wattage of recessed applications please refer to the instructions sheet

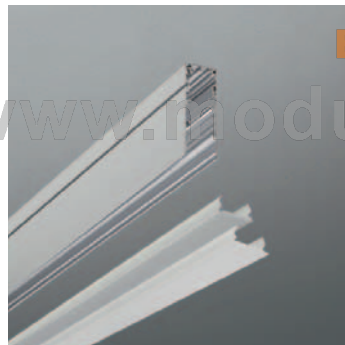


The iN 30 Minimal version seems to disappear in the space: the reduced dimensions of the extruded part and the lack of perimeter rim ensure minimum visual impact and maximum discretion in all spaces that require them. It can be recessed, ceiling-mounted and suspended with specific accessories.



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iN 30 is available in a compact single-lamp version with T16 SLS fluorescent tube that highlights architecture while reducing the visual impact of the product in the space.



T16 SLS fluorescent tube



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— Initial module
— Intermediate module





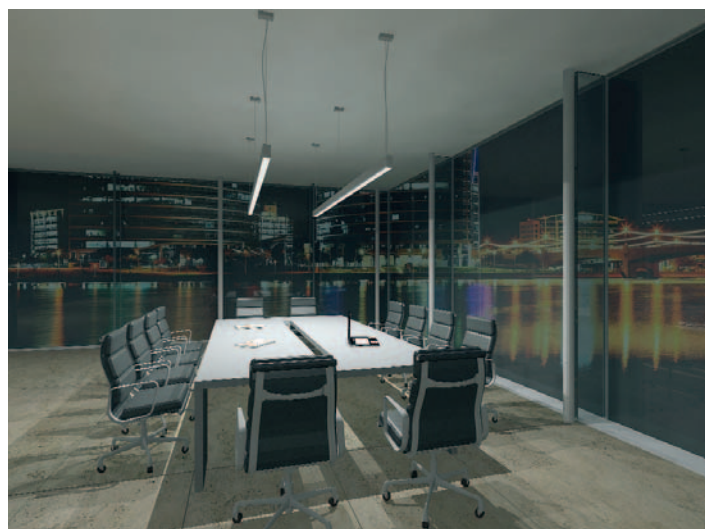
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- Modular lighting systems for continuous lines.
- Extruded aluminium section in minimal version (anodized grey finish) complete with concealed aggregation couplings.
- Minimal section for recessed installation on ceiling or wall, ceiling-mounted or suspended with dedicated accessories.
- 90° angular luminous sections.
- Zamak end caps.
- Methacrylate opal diffuser designed for coupling multiple lengths with overlapping.
- Polycarbonate prismatic transparent diffuser designed for coupling multiple lengths with overlapping.

- Through wiring for continuous lines.
- Fast-coupling terminal blocks for simplified installation of luminaires.
- Electronic multiwatt control gears.
- Direct luminous emission.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20
- F seal
- ENEC approval
- Class of Insulation I



Diffuser overlapping



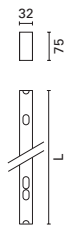
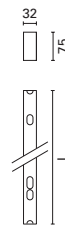


Seamless version



12

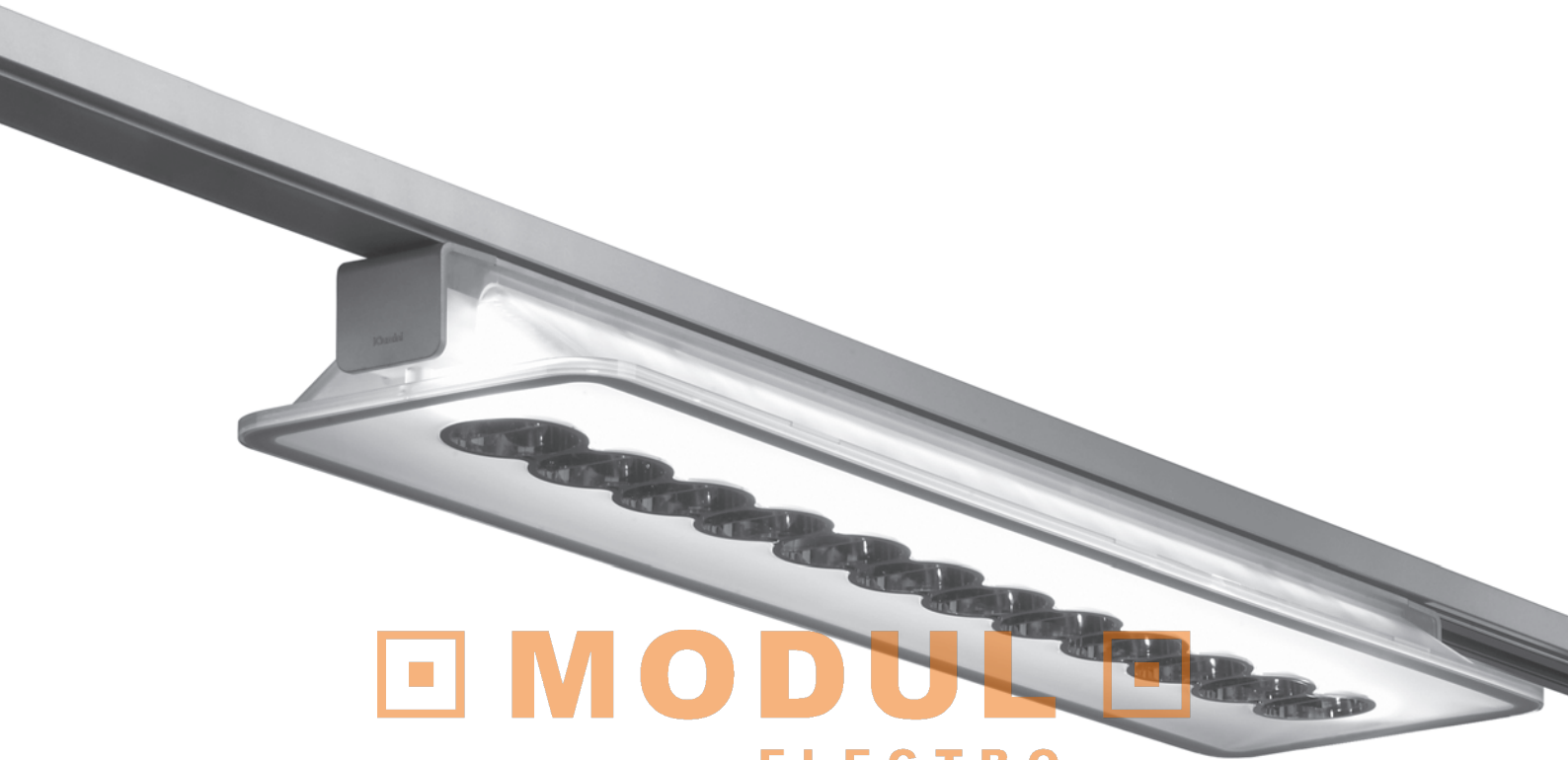


iN 30 opal diffuser		code	length	electronic multiwatt control gear T16 SLS 	iN 30 prismatic diffuser		code	length	electronic multiwatt control gear T16 SLS 
	Initial section with end caps	M656	600	24 W T16 SLS		Initial section with end caps	M665	600	24 W T16 SLS
		M657	900	21/39 W T16 SLS			M666	900	21/39 W T16 SLS
		M658	1200	28/54 W T16 SLS			M667	1200	28/54 W T16 SLS
		M659	1185	2x24 W T16 SLS			M668	1185	2x24 W T16 SLS
		M660	1785	2x21/39 W T16 SLS			M669	1785	2x21/39 W T16 SLS
		M661	2385	2x28/54 W T16 SLS			M670	2385	2x28/54 W T16 SLS
	Intermediate section	M662	1170	2x24 W T16 SLS		Intermediate section	M671	1170	2x24 W T16 SLS
		M663	1770	2x21/39 W T16 SLS			M672	1770	2x21/39 W T16 SLS
		M664	2370	2x28/54 W T16 SLS			M673	2370	2x28/54 W T16 SLS
Angular section	MWG3	612	2x24 W T16 SLS	Angular section	MWG4	612	2x24 W T16 SLS		

MODULO

accessories	code	accessories	code
 <p>Suspension kit complete with base and clear power cord Colour 15</p>	MWG5	 <p>Attachment for ceiling-mounted installation Colour 00</p>	MWG7
 <p>Suspension kit without power supply Colour 00</p>	MWG6	 <p>Recessed installation without rim Colour 00</p>	MWG8

For information on wattage of recessed applications please refer to the instructions sheet

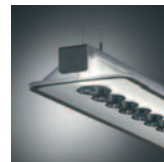


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Ceiling mounted version



Individual pendant



Continuous line module (with accent light with track)



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It is a last-generation fluorescent luminaire that combines innovative functional design with modern technology. Designed for surface-mounted and suspended installation, in individual configuration and continuous line with track, i88 ensures total flexibility and easy installation.

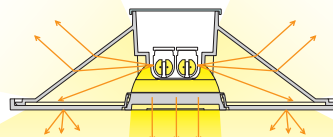
The innovative optical principle and the special upper lined finish ensure a uniform distribution of the light,

with direct emission and soft indirect luminescence. The product offers excellent visual comfort thanks to luminance control that allows for illuminating the area of interest (VDU) correctly, in full compliance with EN 12464-1. i88 is the ideal product to meet the lighting requirements of modern professional work spaces, accommodation and entertainment facilities.



Light without glare.
This is the basic concept of the technology developed for i88. The innovative optical principle uses a special intermediate lamellar element that guarantees maximum visual comfort. The light flux is controlled by the optic and diffused by the satin-finished flat surface directly.

The indirect emission is directed and softened by the lined finish of the upper polycarbonate screen. The down and uplight emissions are effective, pleasant and suitable for all settings.

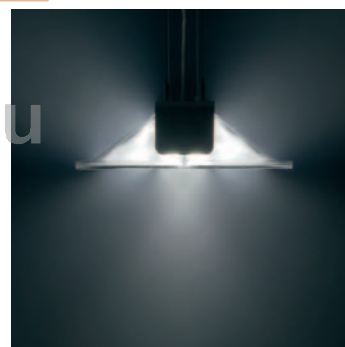


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The refined elegant design acquires technical lighting value through the careful research and care of details and materials: soft transparent corners, satin and line-finished polycarbonate. Especially resistant and light, polycarbonate enriches the aesthetics of the product, while ensuring diffused soft emission for suggestive luminous atmospheres. i88 is the ideal solution for work spaces and structures that require high performance and care for details, a modern, technical fitting for interior decoration.



The upper line-finished polycarbonate screen ensures a uniform, diffused distribution of the light.



The rounded transparent corners emphasise the design, the lightness and the elegance of the product: i88 integrates with discretion and minimum visual impact in different settings.



Developed to give a flexible answer to the lighting needs of work and reception areas, i88 has been designed for surface-mounted and suspended installation, in individual configuration and continuous line with track. The continuous line version allows for switching-on three groups of luminaires, creating mixed lighting:

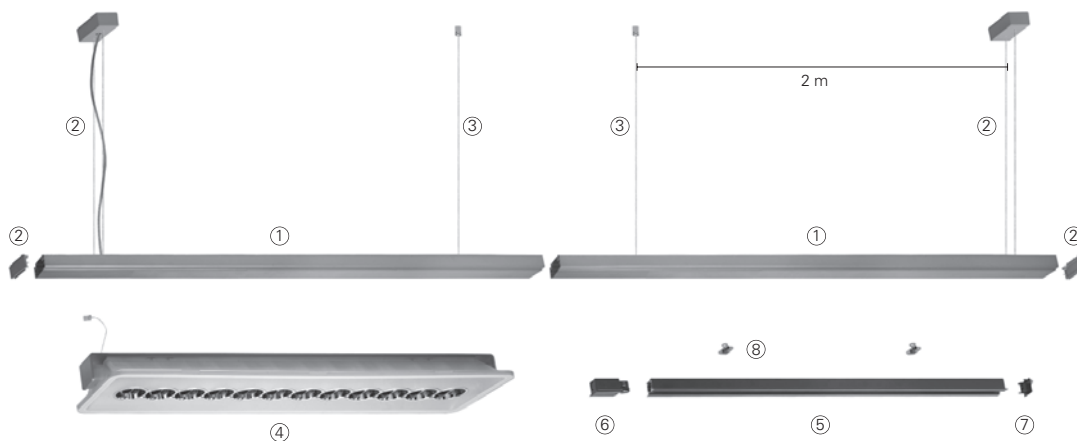
in addition to i88 modules, which ensure diffused uniform lighting, 3-phase tracks can be installed in the continuous line modules to use iGuzzini spotlights to enhance elements and details. The product ensures maximum simplicity during mounting and installation.



The i88 range is available in modules complete with installation systems (suspended and surface-mounted version) and in modular modules for continuous lines.

Maintenance operations are carried out without tools thanks to opening and fixing springs that also act as anti-fall system.

sales order



- ① Aluminium structural profile complete with PVC sheath and direct couplings (corner coupling with suspension cables available)
- ② Suspension kit with: Base with power cord, terminal blocks and suspension cable + base with suspension cable + two end caps
- ③ Intermediate suspension cable (max. distance is 2 m according to loads applied; please refer to instructions sheet)
- ④ Module i88 (continuous line) complete with mechanical connections and terminal block
- ⑤ Three-phase track or DALI
- ⑥ End cap with power supply for track
- ⑦ End cap for track
- ⑧ Track fixing kit

For complex installations please refer to the instructions sheet.

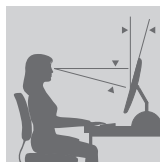
Bases with power supply cable, terminal block and suspension cables for additional power supplies are available. Terminal blocks for additional connections are available.



- Surface-mounted, individual suspended and continuous line suspended luminaire for T16 lamps.
- Extruded aluminium structural profile. Product body made of injection-moulded polycarbonate with anti-UV treatment. Optics made of metallized plastic material with circular shape with intermediate blade for improved visual comfort.
- Metallized optics with anti-scratch treatment.
- Down/uplight luminous emission.
- Downlight emission obtained with metallized optics and satin-finished flat surface. Luminance control $L < 1000 \text{ cd/m}^2$ for $\alpha > 65^\circ$; suitable for use in VDU-equipped places in compliance with EN 12464-1.
- Uplight emission through upper surface with special lined finish for higher uniformity on ceiling.
- Available in versions with electronic, dimmable DALI and emergency control gear.
- Electronic and emergency versions provided with Multiwatt ballasts (2x35/49 or 2x28/54W T16).
- DALI dimmable versions with SWITCH DIM: possible regulation also with ordinary electrical push-button.
- Emergency versions complete with inverter and battery pack; permanent emergency light (1-h autonomy) with terminal blocks for REST MODE.
- Surface-mounted version complete with kit for ceiling installation composed of painted aluminium profile.
- Individual suspended version provided with installation system with steel plates covered by injection-moulded polycarbonate bases. Product supplied with transparent power supply cable and suspension cables with millimetric adjustment system.
- Continuous line suspended version with possible integration of track for spotlight installation. Multi-pole terminal blocks for through wiring available.
- Screen installation with springs without tools. Springs also have an anti-fall function.
- The technical characteristics of the fitting comply with EN60598-1 standard.
 - IP20
 - F seal
 - ENEC approval
 - Class of Insulation I

MODULO ELECTRO
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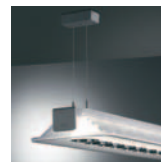
Dark VDU ($L \leq 1000 \text{ cd/m}^2$)



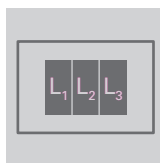
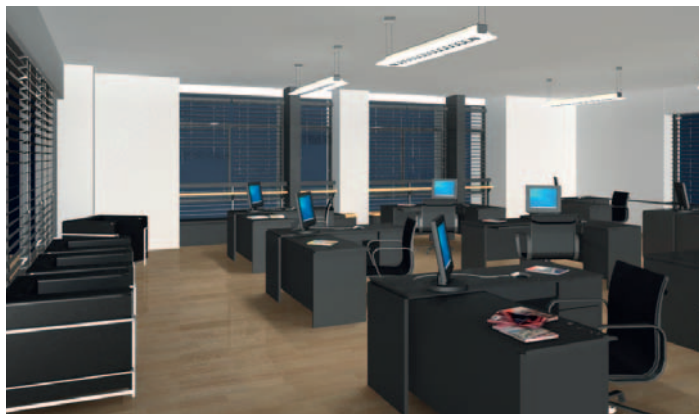
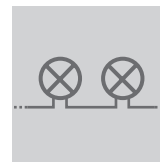
Innovative reflector



Easy installation



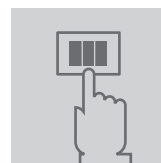
Pass-through cables (continuous line modules)



Separate switches (3 groups of fittings) continuous line modules



Ballast multiwatt



Switch dim (for DALI version)



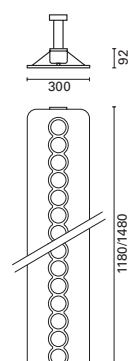
Emergency

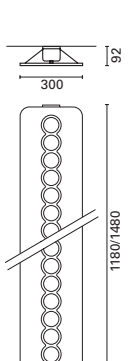


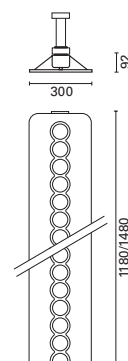
15




Registered Design





single module	control gear	code	length	lamp T16
 <p>pendant</p>	ELECTRONIC MULTIWATT	3083	1180	2x28/54 W
		3085	1480	2x35/49 W
	DALI	3086*	1180	2x54 W
		3094*	1480	2x35 W
		3096*	1480	2x49 W
	EMERGENCY	3097	1480	2x35/49 W





single module	control gear	code	length	lamp T16
 <p>ceiling-mounting</p>	ELECTRONIC MULTIWATT	5306	1180	2x28/54 W
		5307	1480	2x35/49 W
	DALI	5308*	1180	2x54 W
		5310*	1480	2x35 W
		5311*	1480	2x49 W
	EMERGENCY	5312	1480	2x35/49 W

continuous line module	control gear	code	length	lamp T16
 <p>pendant</p>	ELECTRONIC MULTIWATT	M179	1180	2x28/54 W
		M180	1480	2x35/49 W
	DALI	M181*	1180	2x54 W
		M182*	1480	2x35 W
		M183*	1480	2x49 W
	EMERGENCY	M184	1480	2x35/49 W

structural profile	code	length	track	code	length
	MW60	1000	Three-phase	8961	1000
	MW61	2000		8962	2000
		3000		8963	3000
	MW62	3000		8964	4000
	DALI	MW63	4000	6662	1000
			MW68 complete with suspensions	-	6663
		6664	3000		
		6665	4000		

* Occupies 1 DALI address

couplings and installation systems module i88	code
 <p>Suspension kit (Base with power supply cable, terminal blocks and suspension cables + base with suspension cables + two end caps) Colour 15</p>	5 pole MW64
	8 pole MW65
 <p>Intermediate suspension cable Colour 00</p>	MW67
 <p>Base with power supply cable, terminal block and suspension cable (for additional power supply) Colour 15</p>	MW66
 <p>Terminal block for continuous line connection (for additional electrical connections) Colour 00</p>	5 pole MW69
	8 pole MW70

couplings and installation systems track*	code
 <p>Fixing kit Colour 00</p>	MW71
 <p>Concealed coupling with wiring Colours 01-04</p>	8938
 <p>End cap for power supply Colours 01-04</p>	Three-phase right 8966 left 8967
	DALI right MW10 left MW11
 <p>End cap Colours 01-04</p>	8965

* DALI track with accessories is available. For installation use the fixing kit MW71.



MODULO
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Blacklight is a suspended luminaire with soft elegant design. It is available in two lengths with black and white colour finish to exalt the sophisticated formal line of the product. Blacklight is characterised by an innovative optical principle with high output and division of the light flux into uplight (80%) and downlight (20%).

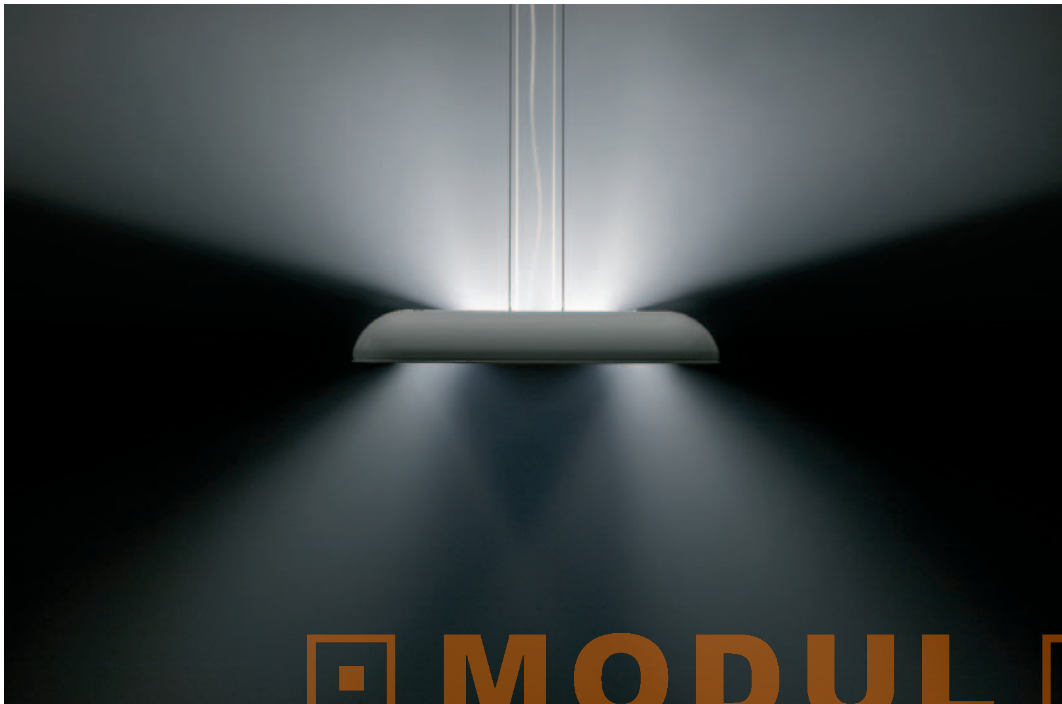


The product has been awarded
the following prize:
- iF Design Award 2010



MODULO
ELECTRO
www.modulelectro.ru

At the same time, it guarantees perfect luminance, in full compliance with provisions of law. The soft diffused distribution ensures maximum visual comfort, making it the ideal lighting solution for offices and work places.



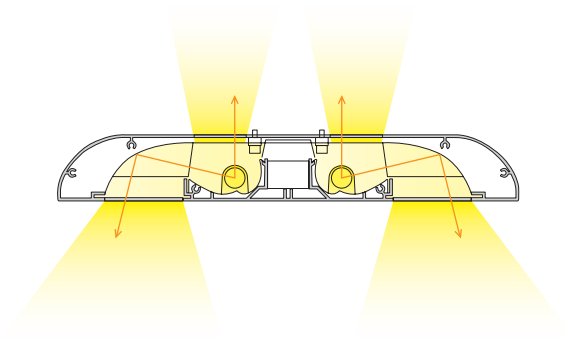
The light flux of the light sources positioned in the centre of the fitting generates a very wide and diffused upright emission because of the special curved profile of the specular aluminium reflector, and a controlled downlight emission, thanks to the curved reflector and the lamellar elements that reduce glare. The special distribution meets the lighting requirements of office spaces, creating suggestive atmospheres that favour reading activities and use of VDUs.

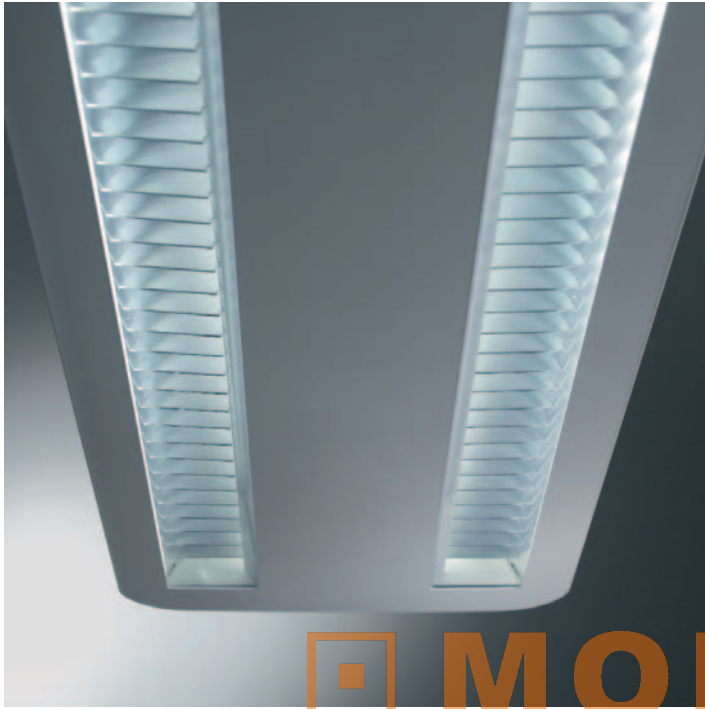
MODUL



More than others, office areas require special attention to visual comfort. Blacklight thoroughly fulfils this task, ensuring compliance of luminance control standards to illuminate VDU-equipped operational areas without disturbing glare.

The central position of the lamp has been carefully studied to ensure the highest visual comfort for the user: two elements on the right and left-hand side of the lamp act as screen, so that the lamp is never visible directly.





A design made with care and a clear style for a suspended luminaire with soft lines, developed for effective, elegant integration in office areas. The one-piece lower plate, the very compact height of the body (50 mm) and the black and white colour finish make Blacklight an extremely refined product that meets the aesthetical requirements of modern work places with best results and minimum visual impact.



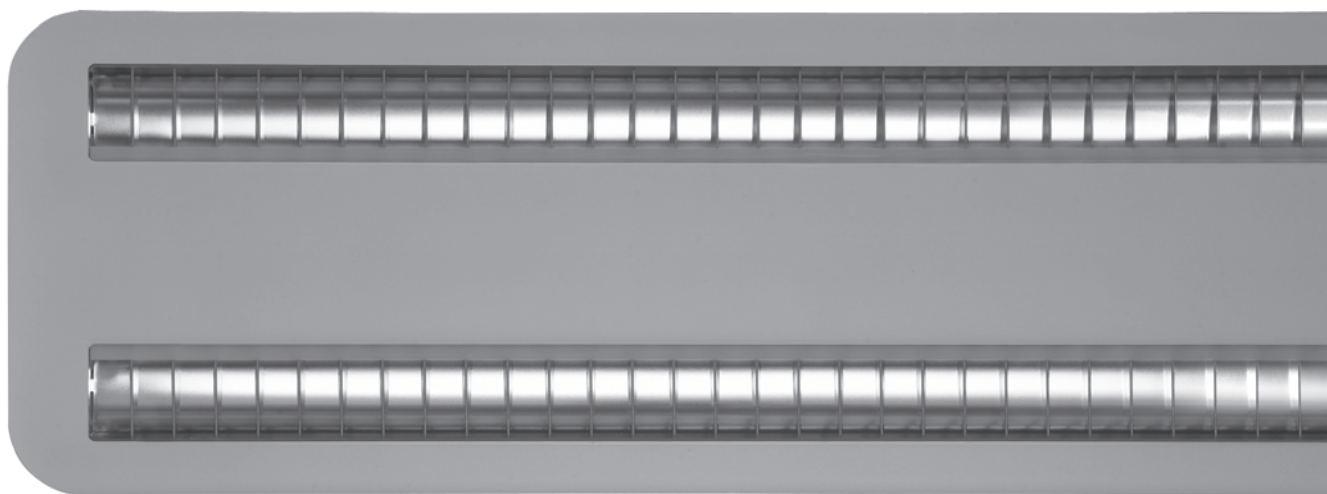
The upper protection screens supplied with the luminaire reduce the penetration of dust inside the product, with consequent benefit in terms of performance over time.

MODUL

ELECTRO

www.modulelectro.ru





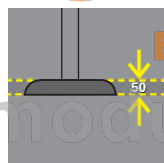
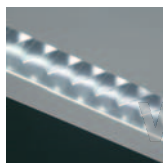
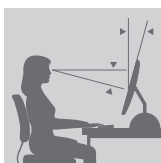
MODUL

Dark VDU
($L \leq 1000 \text{ cd/m}^2$)

Visual comfort

Luminous efficiency

Reduced height
(50mm)

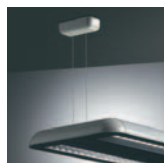


ELECTRO

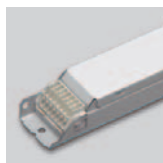
www.modulelectro.ru



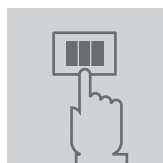
- Suspended luminaire for T16 lamps.
- One-piece extruded aluminium body, injection-moulded plastic end caps.
- Liquid painting.
- Down/uplight luminous emission.
- Downlight emission with superpure aluminium reflector. Lamps not directly visible.
- Darklight emission with lamellar optics with bi-parabolic profile made of anodized specular superpure aluminium. Uplight emission with superpure aluminium reflector. Luminance control $L < 1000 \text{ cd/m}^2$ for $\alpha > 65^\circ$; suitable for use in VDU-equipped places in compliance with EN 12464-1.
- Available in versions with electronic, dimmable DALI and emergency control gear.
- Electronic and emergency versions provided with Multiwatt ballasts (2x35/49/80W or 2x28/54W T16).
- DALI dimmable versions with SWITCH DIM: possible regulation also with ordinary electrical push-button.
- Emergency versions complete with inverter and battery pack; permanent emergency light (1-h autonomy) with terminal blocks for REST MODE.
- Installation with steel plates covered by injection-moulded polycarbonate bases.
- Lower and upper protection screens made of polycarbonate with anti-UV treatment included in product.
- Product supplied with transparent power supply cable and suspension cables with millimetric adjustment system.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20
- F seal
- ENEC approval
- Class of Insulation I



Easy installation



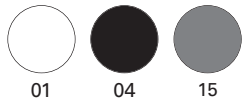
Multiwatt ballast



Switch dim
(for DALI version)



Emergency



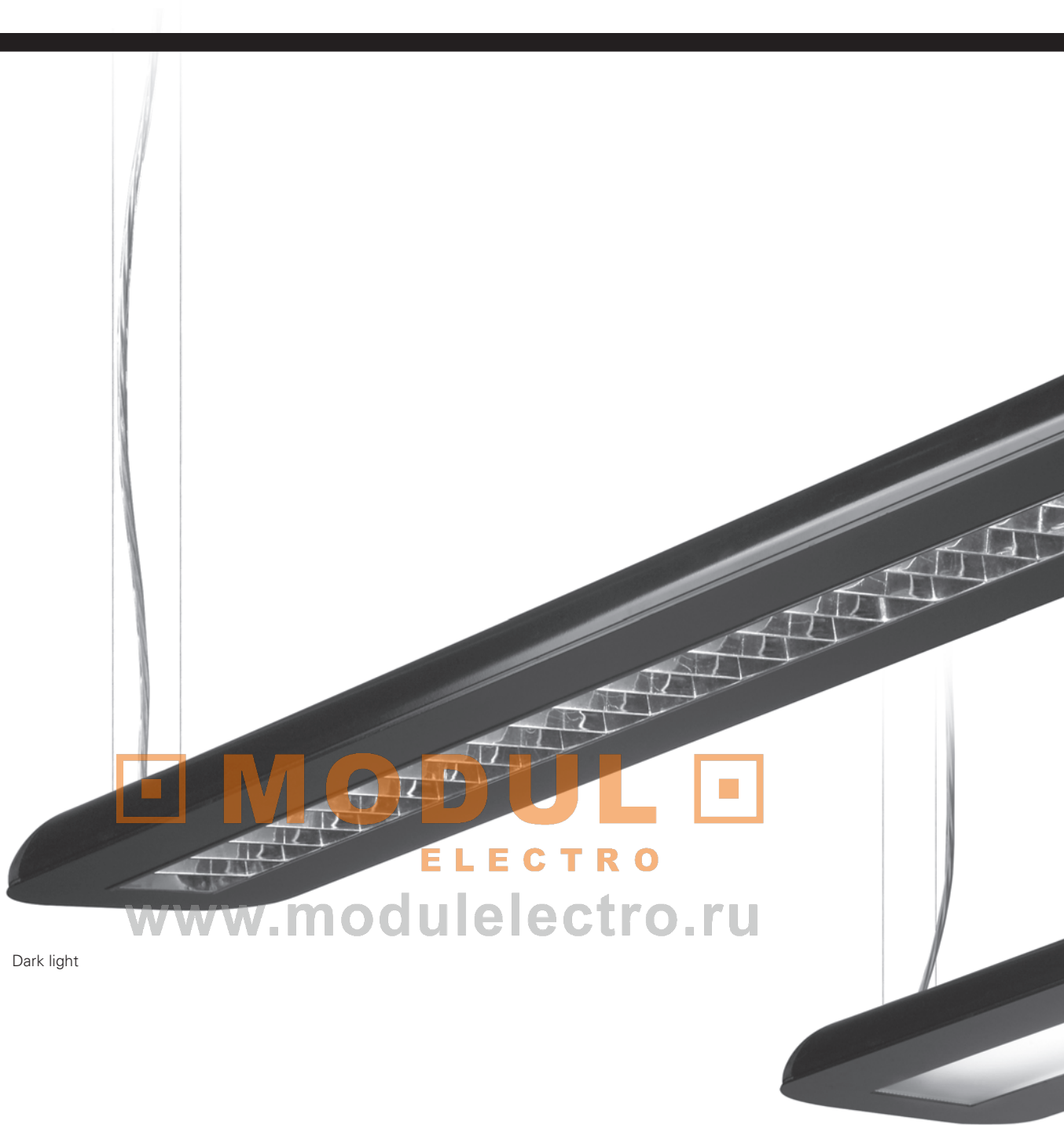
Registered Design



luminaire	control gear	code	length	lamp T16
<p>pendant</p>	ELECTRONIC MULTIWATT	3001	1280	2x28/54 W
		3003	1580	2x35/49/80 W
	DALI	3019*	1280	2x54 W
		3031*	1580	2x35 W
		3221*	1580	2x80 W
	EMERGENCY MULTIWATT	3055	1580	2x35/49/80 W

The products come with bases, suspension cables with millimetric regulation device, transparent power supply cable and upper protection screens.

* Occupies 1 DALI address



MODULO
ELECTRO
www.modulelectro.ru

Dark light

From a suspended luminaire to a complete system that can meet multiple lighting requirements with flexibility. A linear, modern design for a luminaire compact in size but high in performance that can be installed in continuous line, in addition to the individual suspended version. Available in two colour finishes - black and white - and in single (1286 and

1586) and double (2509 and 3109) length, Mini Blacklight is easy to install and guarantees high performance with maximum visual comfort. It is the ideal lighting solution for spaces with VDTs (in compliance with EN 12464-1 on luminance control) and areas that need a more articulated lighting direction.

Mini Blacklight

design Studio & Partners

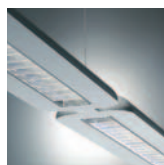
iGuzzini



General light



Individual pendant



Continuous line pendant



Direct coupling



Corner coupling

Made of a monolithic extruded aluminium piece, Mini Blacklight is characterised by a linear, soft shape and easy installation. The refined design and the two colour finishes guarantee elegant discreet decoration in spaces, such as offices, work places, banks and schools, respecting the aesthetic requirements of the different settings. The product is supplied with suspension kit: steel cables, transparent power cord and bases.



General light

The direct/indirect or only direct emission and the possibility to house light sources with different wattage, thanks to the multiwatt electronic control gear, guarantee uniform lighting and maximum adjustability to all requirements.



Dark Light

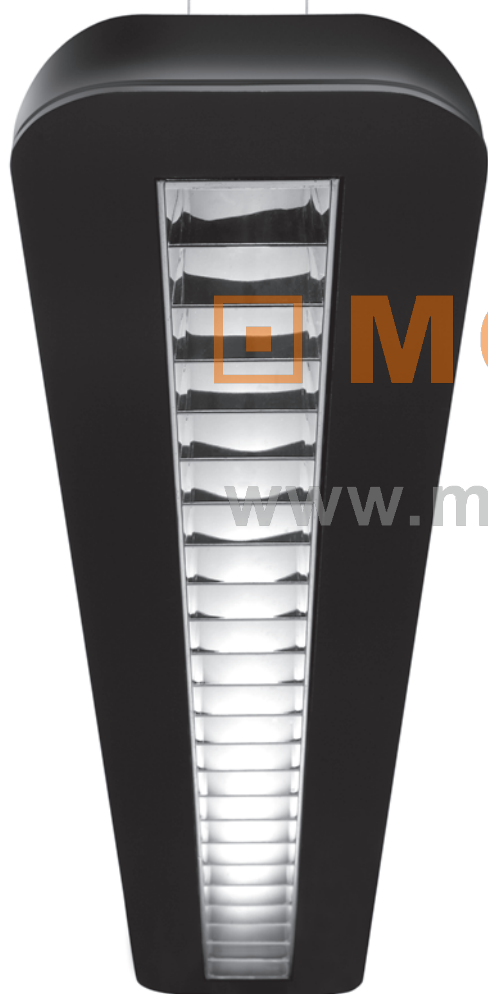
The version with lamellar optics with bi-parabolic profile has been especially studied to ensure high-performance and maximum visual comfort for users in offices and all areas with VDTs where correct illuminance levels and minimum glare must be guaranteed.

The Dark Light version is equipped with luminance control optic $L < 1000 \text{ cd/m}^2$ for $\alpha > 65^\circ$ in perfect compliance with the lighting requirements established by the standard.



The installation in continuous line with special direct and angular couplings gives life to a highly-flexible and high-performing system, with compositions studied to adjust the most diverse lighting requirements of the spaces where Mini Blacklight is installed.

The combination of Dark Light microprismatic modules with track modules and accent light guarantees multiple luminous effects, delivering general lighting with exactness and uniformity and highlighting small details and objects when necessary.



- Suspended luminaire for T16 lamps.
- One-piece extruded aluminium body, injection-moulded plastic end caps.
- Liquid painting.
- Up/downlight emission or downlight only emission with optional upper cover.
- Individual suspended versions, complete with end caps, suspension cables, power supply cords and ceiling fixing bases.
- Suspended versions in continuous lines, with possibility of aggregation of multiple modules with direct and angular couplings (90°). End caps and suspension installation kit to be ordered separately.
- Darklight version with lamellar optics with bi-parabolic profile made of anodized specular superpure aluminium. Luminance control $L < 1000 \text{ cd/m}^2$ for $\alpha > 65^\circ$; suitable for use in VDU-equipped places in compliance with EN 12464-1.
- General light version with polycarbonate microprismatic screen with anti-UV treatment.
- Product supplied with transparent power supply cable and suspension cables with millimetric adjustment system.
- Available in versions with electronic, DALI dimmable and emergency, control gear.
- Electronic and emergency versions provided with Multiwatt ballasts (2x35/49 or 2x28/54VT16).
- DALI dimmable versions with SWITCH DIM: possible regulation also with ordinary electrical push-button.
- Emergency versions complete with inverter and battery pack; permanent emergency light (1-h autonomy) with terminal blocks for REST MODE.
- Installation with steel plates covered by injection-moulded polycarbonate bases.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20
- F seal
- ENEC approval
- Class of Insulation I

MODULO ELECTRO

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Luminous efficiency	Dark VDU ($L \leq 1000 \text{ cd/m}^2$)	Reduced height	Single and double modules



			EMERGENCY
Easy installation	Multiwatt ballasts for electronic versions	Switch dim	Emergency



Dark Light Pendant		control gear	code	length	lamp T16
Single module		ELECTRONIC MULTIWATT	M224	1286	2x28/54 W
			M225	1586	2x35/49 W
		DALI MULTIWATT	M226*	1286	2x28/54 W
			M227*	1586	2x35/49 W
		EMERGENCY MULTIWATT	M228	1586	2x35/49 W
		Double module		ELECTRONIC MULTIWATT	M229
M230	3109				2x(2x35/49 W)
DALI MULTIWATT	M231*			2509	2x(2x28/54 W)
	M232*			3109	2x(2x35/49 W)
EMERGENCY MULTIWATT	M233			3109	2x(2x35/49 W)

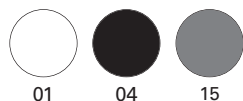
General light pendant		control gear	code	length	lamp T16
Single module		ELECTRONIC MULTIWATT	M234	1286	2x28/54 W
			M235	1586	2x35/49 W
		DALI MULTIWATT	M236*	1286	2x28/54 W
			M237*	1586	2x35/49 W
		EMERGENCY MULTIWATT	M238	1586	2x35/49 W
		Double module		ELECTRONIC MULTIWATT	M239
M240	3109				2x(2x35/49 W)
DALI MULTIWATT	M241*			2509	2x(2x28/54 W)
	M242*			3109	2x(2x35/49 W)
EMERGENCY MULTIWATT	M243			3109	2x(2x35/49 W)

* Occupies 1 DALI address

Accessories		L=1192 cm	L=1492 cm
	Upper cover for down light emission Colours 01-04	2922	2923

Accessories		L=1192 cm	L=1492 cm
	Upper safety screen Colour 24	2920	2921

Two covers or two screens must be ordered for double modules.



Registered Design

luminaire	control gear	code	length	lamp T16
Dark Light module 	ELECTRONIC MULTIWATT	M268	1586	1x35/49/80 W
		M269	1286	2x28/54 W
		M270	1586	2x35/49 W
	DALI MULTIWATT	M271*	1286	2x28/54 W
		M272*	1586	2x35/49 W
	EMERGENCY MULTIWATT	M273	1586	2x35/49 W

luminaire	control gear	code	length	lamp T16
General light module 	ELECTRONIC MULTIWATT	M274	1586	1x35/49/80 W
		M275	1286	2x28/54 W
		M276	1586	2x35/49 W
	DALI MULTIWATT	M277*	1286	2x28/54 W
		M278*	1586	2x35/49 W
	EMERGENCY MULTIWATT	M279	1586	2x35/49 W

luminaire	optic	code	lamp
Accent lighting 	F	M767	2x50 W QR CBC 51
	S	M768	2x20 W HIT (PGJ 5)
		M769	2x20 W HIT (PGJ 5)
	F	M770	2x35 W HIT (PGJ 5)
	M	M771	2x(3x2,2) W LED neutral w.

luminaire	control gear	code
Track module 	STANDARD TRACK MODULES	M772
	DALI TRACK	M773*

accessories	code
Two end caps Colours 01-04-15	MW92
Upper cover for down light emission Colours 01-04-15	2922 L=1192
	2923 L=1492
Upper safety screen Colour 24	2920 L=1192
	2921 L=1492
Direct coupling for continuous line complete with suspensions Colours 01-04-15	MW96

accessories	code
Angular coupling for continuous line Colours 01-04-15	MW97
Base with suspension cables and power supply cable Colour 01	MW93 ELECTRONIC
	MW94 DALI EMERGENCY
Base with suspension cables Colour 01	MW95

Codes M767 - M768 - M769 - M770 - M771 are available in colours 01 and 15 (04 on demand)

* Occupies 1 DALI address



General light
with extractable recessed luminaire



General light
with spotlight


ELECTRO

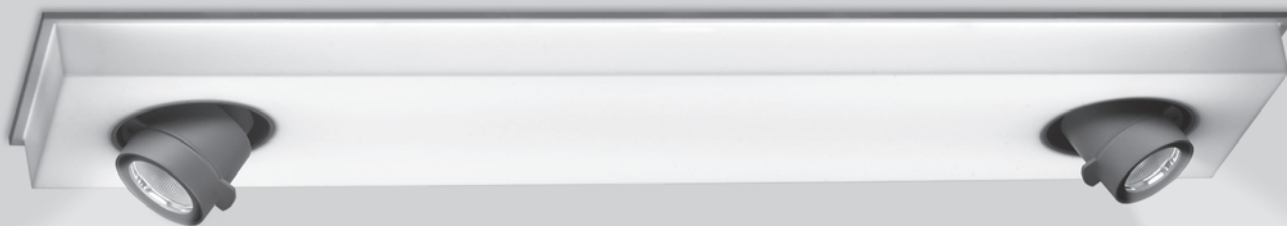
www.modulelectro.ru



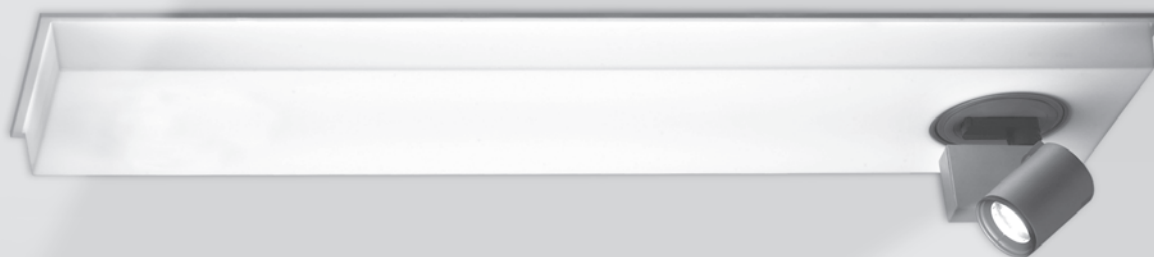
General light

Minimal discreet design for an innovative semi-recessed luminaire. Available in two shapes, circular and rectangular, it distinguishes itself from the ordinary recessed luminaires for the suggestive play of light created on the ceiling. Mixto offers a large range of versions: fluorescence, fluorescent with accent light, and fluorescent with accessory compartment. The versions with accent light generate dual lighting in a single

General light
with two extractable recessed luminaires



General light
with spotlight



General light



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General light

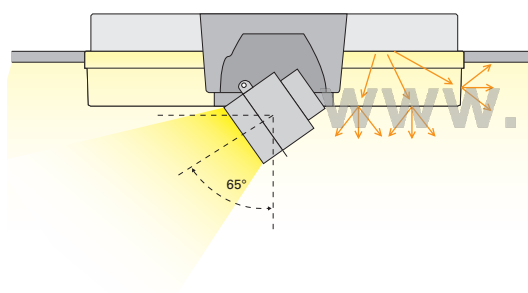


installation, housing a pull-out downlighter (max. two in rectangular shape) in addition to the fluorescent lamp. The compact height, ideal for integration in settings with reduced spaces or false ceilings, and the many versions available guarantee suitable lighting for all settings. Mixto is the perfect solution for lighting requirements of retail areas, shops, accommodation and entertainment facilities.



The combined version of Mixto offers two products in the same installation, ensuring great flexibility in all settings. The fluorescent light source for a soft diffused luminous emission is combined to the effective accent light emitted by one or two pull-out downlighters that convert this new semi-recessed luminaire into a very versatile product.

MODUL



The lighting designer's task in retail areas is to create an adequate, pleasant atmosphere, while illuminating goods and exhibits at best in order to capture the customer's attention. The practical adjustability of the pull-out downlight fully complies with such a requirement: the rotation on the vertical (355°) and horizontal (65°) plane allows for exalting details and objects with accent light, up to the tallest shelves.

Mixto is an extremely flexible lighting system. The range includes versions for ambient light only, ambient light with accent light or integration of other services. Circular and rectangular shapes.

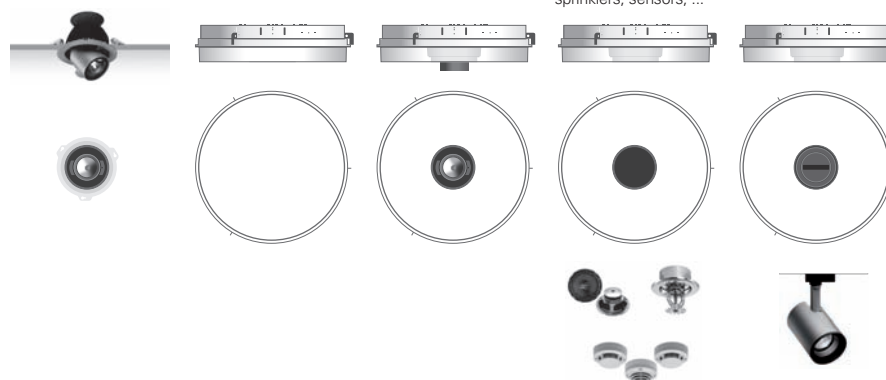
Express downlighter with design coordinated with Mixto

Mixto version for **ambient light** only with dimmable electronic control gear and emergency

Version with ambient light and integrated accent light (**Express**) with HIT or HAL light sources

Version with ambient light with compartment for integration of other **services**, such as loudspeakers, sprinklers, sensors, ...

Version for ambient light with compartment + **base accessory type 8902** to use spotlights of iGuzzini range with max. power 150W HIT





It is available in version with central compartment for a spotlight with base or accessories, such as loudspeakers, sprinklers, smoke detectors, etc...



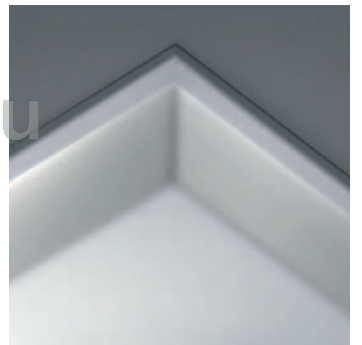
MODUL

A clean, essential line with well-defined corners. Designed for discreet integration with minimum visual impact, Mixto has a very low height that allows for installation also in spaces with shallow false ceilings.



ELECTRO

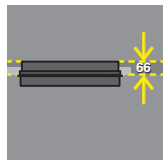
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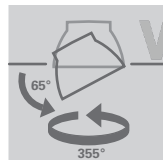


MODULO ELECTRO

High output



Double adjustability of downlighter



Installation with or without rim for sp=12,5 (versions 296x1196)



Adapter for 600x600 false ceilings

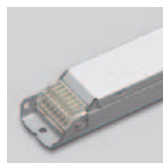


- Semi-recessed luminaire for T16 and T16-R lamps.
- Body made of painted sheet steel.
- Screen made of injection-moulded polycarbonate with anti-UV treatment.
- 50 mm screen projection from ceiling.
- General light only version with \varnothing 522 mm version and 296x1196 mm and 110x1196 mm rectangular shape.
- General light version and accessory compartment (speakers, sensors, etc.) with \varnothing 522 mm circular and 296x1196 mm shape.
- General light version and accent light with \varnothing 522 mm rectangular (one or two accent lights). Accent light with Express spotlight.
- Accent light with product body made of die-cast aluminium, superpure aluminium reflector, 355° rotation around vertical axis and 65° rotation around horizontal plane with continuous friction. Control gear to be ordered separately.
- General light generated with fluorescent lamps (T16-R for circular bodies, T16 for rectangular bodies).

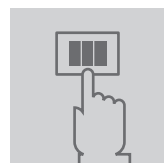
- Available in versions with electronic, dimmable DALI and emergency control gear.
- Electronic and emergency versions provided with Multiwatt ballasts (2x28/54W T16).
- DALI dimmable versions with SWITCH DIM: possible regulation also with ordinary electrical push-button.
- Emergency versions complete with inverter and battery pack; permanent emergency light (1-h and 3-h autonomy) with terminal blocks for REST MODE.
- Screen installation with springs without tools. Springs also have an anti-fall function.
- Product placed on false ceiling grid with 600 mm panels or installed with special brackets provided with the luminaire. Product installation also without visible rim for 296x1196 mm version with special accessory.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20
- F seal
- ENEC approval
- Class of Insulation I



Compartment used to house accessories



Ballast multiwatt



Switch dim (for DALI version)



Emergency



Registered Design

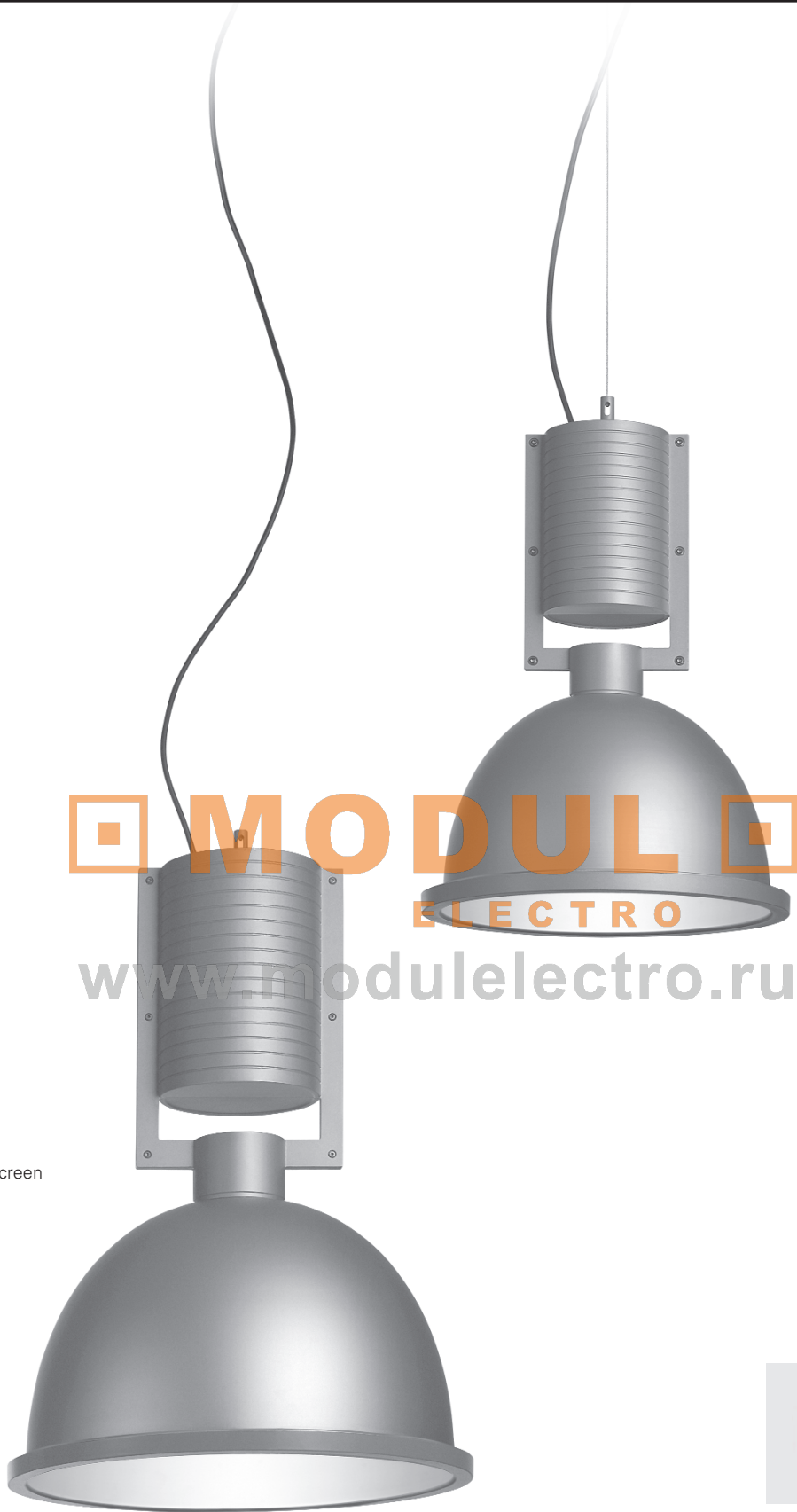
luminaire	control gear	code	lamp
General light + accent lighting 	ELECTRONIC	M147	55 W T16-R 35/70 W HIT (G8,5)
		M148	55 W T16-R 100 W QT12
	DALI	M149*	55 W T16-R 35/70 W HIT (G8,5)
		M150*	55 W T16-R 100 W QT12
	EMERGENCY 1h	M151	55 W T16-R 35/70 W HIT (G8,5)
	EMERGENCY 3h	M152	55 W T16-R 35/70 W HIT (G8,5)
General light + accessory compartment 	ELECTRONIC	M157	55 W T16-R
general light 	ELECTRONIC	M153	55 W T16-R
	DALI	M154*	55 W T16-R
	EMERGENCY 1h	M155	55 W T16-R
	EMERGENCY 3h	M156	55 W T16-R

luminaire	control gear	code	lamp
general light + 2 accent lighting 	ELECTRONIC MULTIWATT	M158	2x28/54W T16 2x35/70 W HIT (G8,5)
		M159	2x28/54W T16 2x100 W QT12
	DALI	M160*	2x54W T16 2x35/70 W HIT (G8,5)
		M161*	2x54W T16 2x100 W QT12
	EMERGENCY 1h	M162	2x28/54W T16 2x35/70 W HIT (G8,5)
	EMERGENCY 3h	M163	2x28/54W T16 2x35/70 W HIT (G8,5)
general light + 1 accent lighting 	ELECTRONIC MULTIWATT	M164	2x28/54W T16 1x35/70 W HIT (G8,5)
		M165	2x28/54W T16 1x100 W QT12
	DALI	M166*	2x54W T16 1x35/70 W HIT (G8,5)
		M167	2x28/54W T16 1x35/70 W HIT (G8,5)
	EMERGENCY 1h	M167	2x28/54W T16 1x35/70 W HIT (G8,5)
	EMERGENCY 3h	M168	2x28/54W T16 1x35/70 W HIT (G8,5)
general light + accessory compartment 	ELECTRONIC MULTIWATT	M169	2x28/54W T16
general light 	ELECTRONIC MULTIWATT	M170	2x28/54W T16
	DALI	M171*	2x54W T16
	EMERGENCY 1h	M172	2x28/54W T16
	EMERGENCY 3h	M173	2x28/54W T16
general light 	ELECTRONIC MULTIWATT	M174	1x28/54W T16
		M175	2x28/54W T16
	DALI	M176*	1x54W T16
		M177*	2x54W T16
EMERGENCY 1h	M178	1x54W T16	

* Occupies 1 DALI address
 Accent light versions are equipped with Flood optic

accessories and installation systems	code
Group with base for adapter of spotlights housed in accessory compartment Colour 15	9687
Interchangeable reflector for HIT (G8,5) lamps with spot optic Colour 12	9686
Adapter for false ceilings only for round versions Colour 01	9688
Accessory for installation without visible rim for 12.5 thick false ceilings only for 296x1196 rectangular versions Colour 00	9689

components	code
Electronic control gear for discharge lamps Colour 00	4466 (35W) 4467 (70W)
Electronic control gear for discharge lamps HIT Colour 00	4437 (2x35W)
Electronic safety transformer for halogen lamp Colour 00	5586 (50-200W 230/12V Top)
	5587 (50-200W 230/12V St)
	5585 (50-105W 230/12V St)
Electronic safety transformer for halogen lamp Colour 00	5582 (50-105W 230/12V Top)
	5583 (35-105W 230/12V St)



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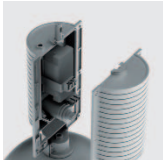
www.modulelectro.ru

Rib small body with frame and protection screen

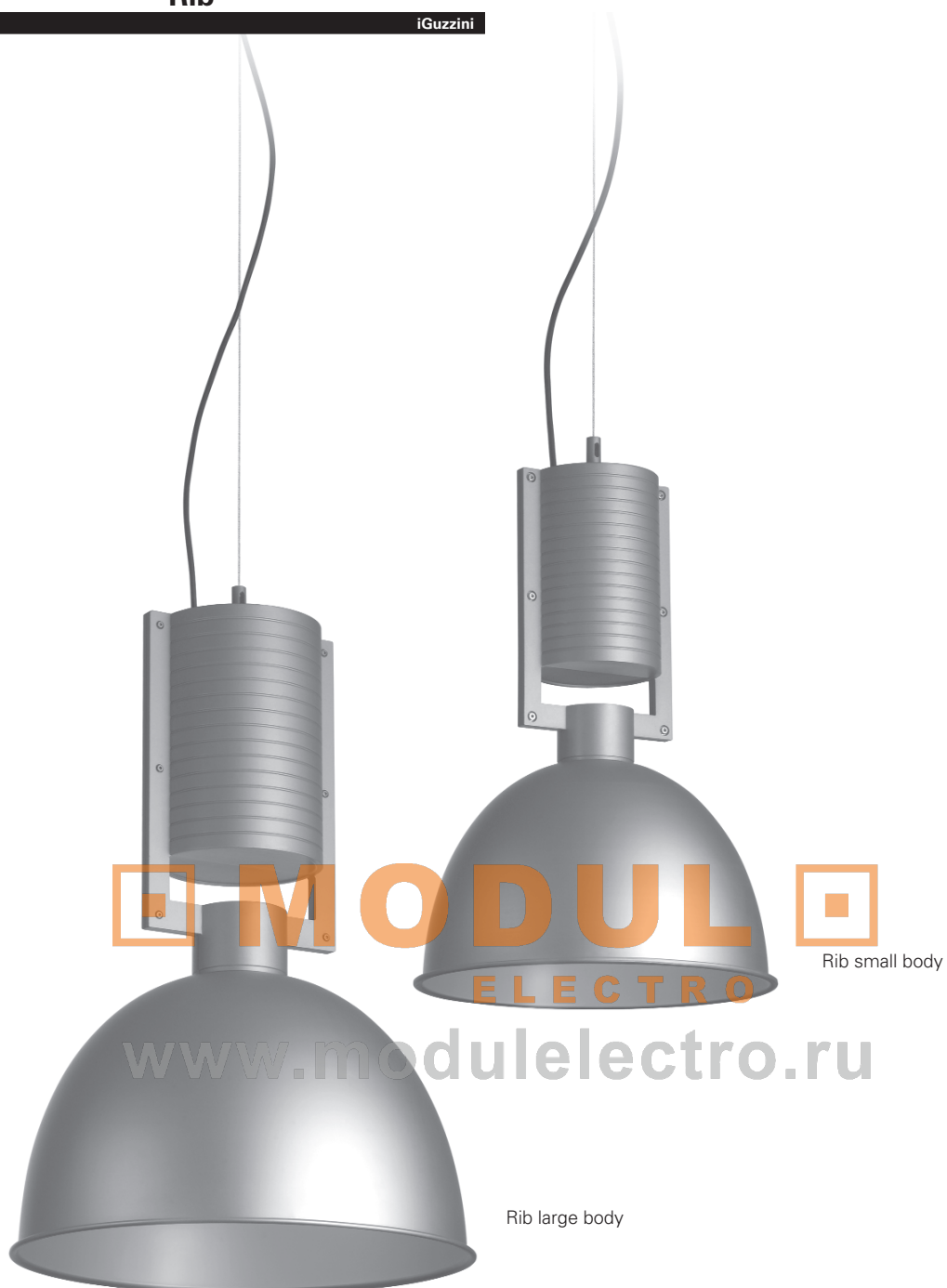
Rib large body with frame and protection screen



Food filter



Possible inspection of component compartment



An original design for a suspended fitting that meets the lighting requirements of multiple settings with elegance and lightness: retail, wellness centres, industrial areas, accommodation structures and large spaces. Available in two sizes, with small and large body, Rib has been studied to guarantee maximum flexibility and easy use.

The careful selection of light sources, fluorescence and HIT lamps with bright emission and high colour rendering, ensures the correct lighting in all settings with high energy saving. The special component-compartment composed of two aluminium shells ensures the easy execution of inspection and maintenance operations, also when the product is installed.





The increasing attention to environmental and energy issues is translated into the careful design of high-performing products. Rib is a suspended luminaire that ensures very high light output and significant energy saving, thanks to the use of fluorescent and innovative MH lamps studied to guarantee high colour rendering with low CO₂ emissions. The lighting performances of the suspended luminaires satisfy the parameters of European directives that establish the minimum output values of the fittings: the models of the Rib range with discharge lamps (HIE) have a Light Output Ratio (L.O.R.) higher than 80%.

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Mastercolour CDM Elite MW
Very innovative lamp that ensures high quality of light, available with 3000K and 4200K colour temperatures. Long duration over time with stable performance and excellent chromatic rendering (CRI 90). Electronic control gear. Energy saving guaranteed by reduced wattage with same light output. Low CO₂ emissions and low mercury content.

Comparison between CDM Elite MW and MH - HIE with same light output

 CDM Elite MW	 MH - HIE
215W	250W
315W	400W



TC-T EL 57W
Electronic ballast

Rib small body
The use of the compact fluorescent lamp completes the functional capabilities of the product with evident energy saving.



PL-H 60/85/120W
Multiwatt electronic ballast

Rib large body
The new high-power compact fluorescent lamps are the ideal solution to obtain a good level of lighting with maximum saving; the multiwatt ballast simplifies the selection of the lamp for each specific requirement.



Especially suitable to meet the lighting requirements of shopping centres, Rib small body is equipped with special filters that have been carefully studied for food departments and retail spaces in order to guide and stimulate purchasing. In the food sector customers tend to associate the colours and appearance of food to its taste. Rib food filters are extremely useful and effective, since they exalt colours, freshness and taste of meat, fish and bread products.

In retail areas light plays a crucial role not only as a guide to purchase, but also for the protection of garments and fabrics subjected to unavoidable fading because of permanent exposure to UV radiation. The UV filter available for Rib blocks and eliminates the dangerous radiations on the goods, which are enhanced and protected at the same time. Rib is a highly functional and flexible products for all types of settings.



Food filter. Bakery and cheeses.

Bread, pizza and cakes look freshly-baked and cheese colours are enhanced. Warm light upgrades this type of foods.

discharge lamps with warm colour temperature (3000K) are recommended



Food filter. Fish products. The cold light highlights and enhances the freshness and genuineness of products.

discharge lamps with cold colour temperature (4200K) are recommended



Food filter. Meat, fruit and vegetables.

The light exalts the bright colours of red meats, fruit and vegetable, making them look tempting and tasty.

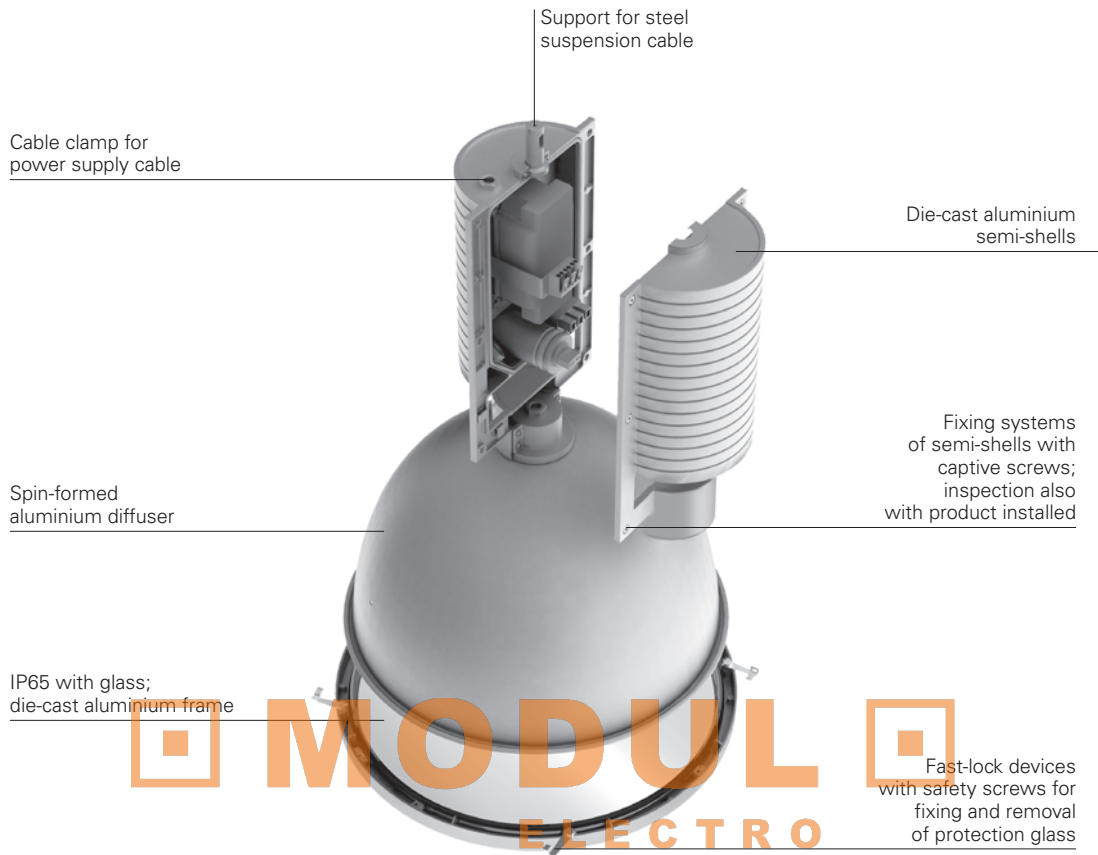
discharge lamps with warm colour temperature (3000K) are recommended



UV filter. Textiles and fabrics.

The filter protects fabrics, preserving their bright attractive colours.

discharge lamps with warm colour temperature (3000K) are recommended



MODULO
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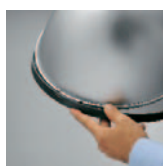
www.modulelectro.ru



- Suspended luminaire with downlight emission for discharge and fluorescent lamps, available in two scalar sizes.
- Die-cast aluminium component compartment with closing system by means of captive screws.
- Compartment can be opened with product installed for inspection and maintenance operations.
- Spin-formed aluminium diffuser with internal sandblast effect and external anodized finish.
- Accessory assembly with sodium-calcium transparent protection glass housed in a die-cast aluminium ring with seal gasket and safety retention cable.
- Fast-lock system for fixing and removal of protection glass assembly with invisible devices
- Base for anchoring to ceiling available with separate code, made of die-cast aluminium and complete with power supply cable, steel suspension cable with fast-coupling system and millimetric adjustment device.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20 (IP65 with protection screen)
- F seal
- ENEC approval
- Class of Insulation I



High output



Easy maintenance



Safety cable



Base for suspension



IP65 with protection glass



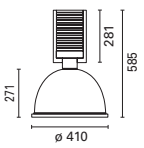


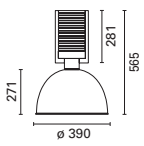

Ballast multiwatt large version

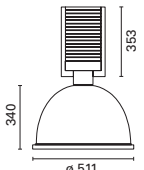



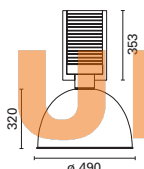





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Registered Design

small body luminaire	control gear	code	lamp
complete with protection screen 	INDUCTIVE	6757	 70 W HIT
		6758	 150 W HIT
protection screen accessory 	ELECTRONIC	6759	 57 W TCT EL

large body luminaire	control gear	code	lamp
complete with protection screen 	INDUCTIVE	6760	 250 W HIT
	ELECTRONIC	6764	 210 W CDM Elite MW
		6765	 315 W CDM Elite MW
protection screen accessory 	INDUCTIVE	6761	 250 W HIE
		6762	 400 W HIE
	ELECTRONIC	6763	 60/85/120 W PLH

small body accessories	code
 Protection screen with gasket Colour 15	9680
 Filter support Colour 12	9681 for installation of filters 9685 - 9682 - 9683 - 9684
 U.V. filter Colour 24	9685
 Food filter the food and UV filters are used with the support (code 9681)	9682 (colour 06) bakery products and cheeses
	9683 (colour 05) meat, fruit and vegetables
	9684 (colour 09) fish products
 Kit for ceiling installation and class I connection Lenght 2000 mm Colour 15	6856

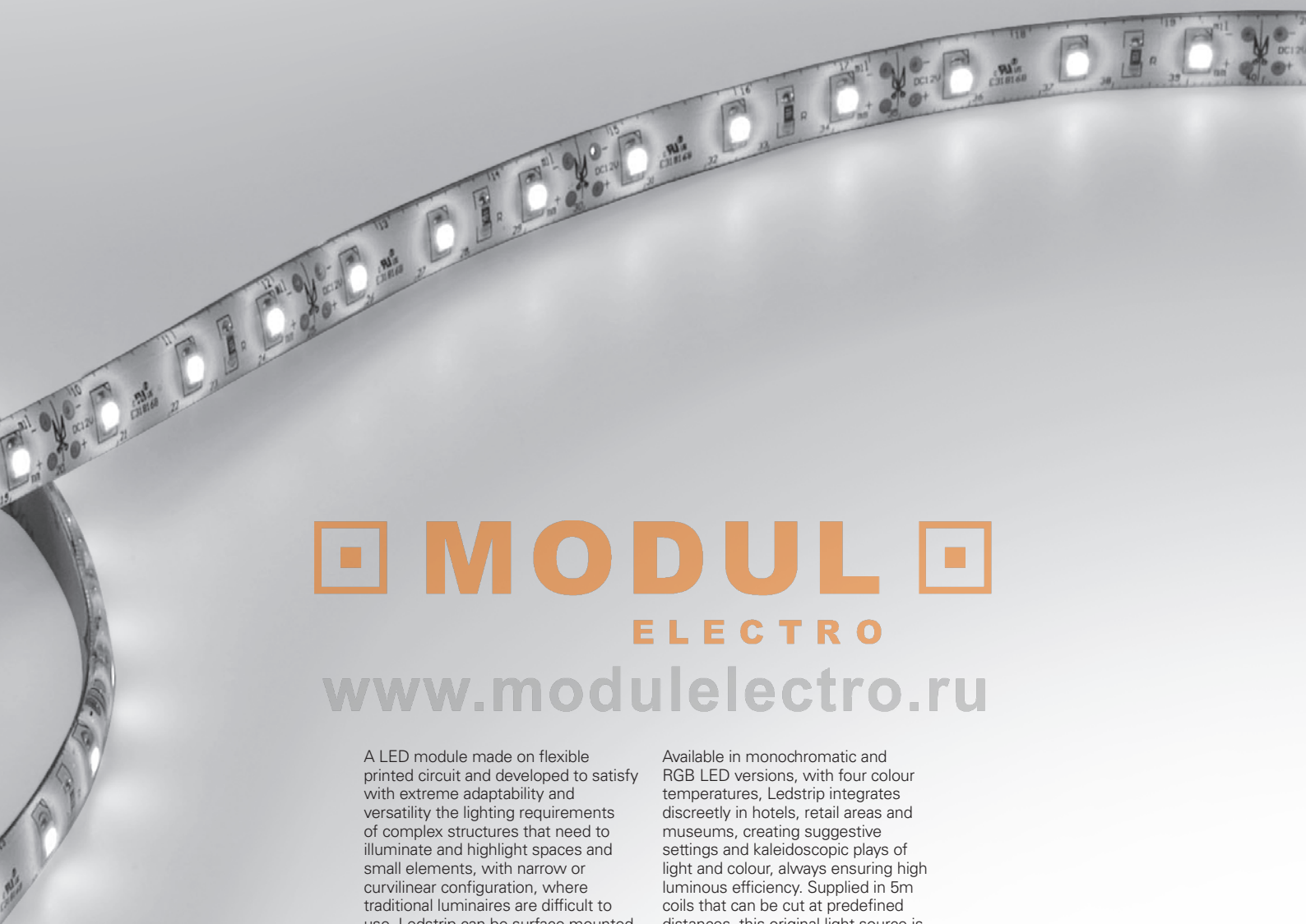
large body accessories	code
 Protection screen with gasket Colour 15	6836
 Kit for ceiling installation and class I connection Lenght 2000 mm Colour 15	6856

For use of protection glass with HIE-type bulb lamps please refer to the lamp manufacturer's information.

The use of screens with code 9680 and 6836 guarantees IP65.

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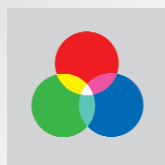
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A LED module made on flexible printed circuit and developed to satisfy with extreme adaptability and versatility the lighting requirements of complex structures that need to illuminate and highlight spaces and small elements, with narrow or curvilinear configuration, where traditional luminaires are difficult to use. Ledstrip can be surface-mounted with the adhesive that entirely covers the back of the strip or with the addition of optional accessories - clips and rigid channel - for safer fixing.

Available in monochromatic and RGB LED versions, with four colour temperatures, Ledstrip integrates discreetly in hotels, retail areas and museums, creating suggestive settings and kaleidoscopic plays of light and colour, always ensuring high luminous efficiency. Supplied in 5m coils that can be cut at predefined distances, this original light source is waterproofed with a uniform silicone layer that ensures IP67 in total length condition (without intermediate cuts).



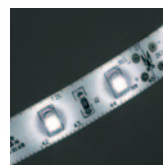
RGB



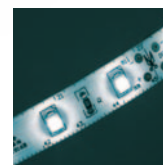
2400K



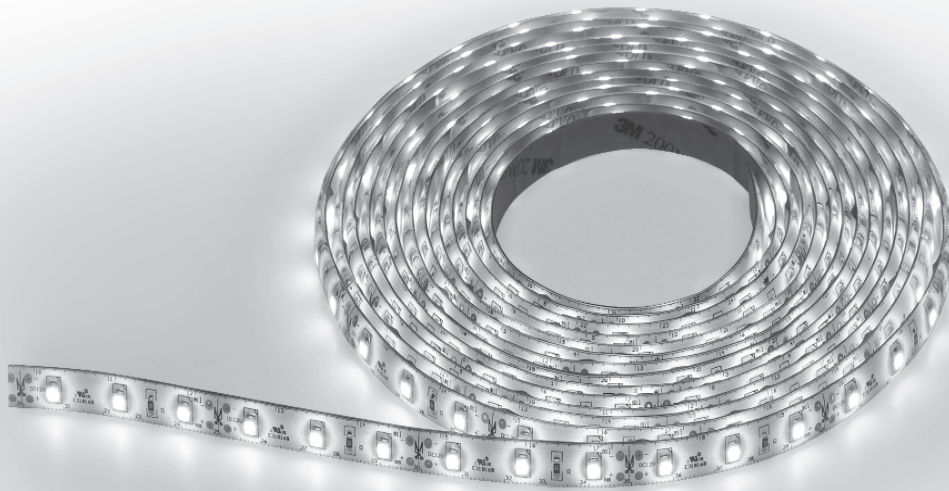
3000K



4000K



6000K



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- Product for linear lighting with white or RGB LED made on silicone-covered white flexible circuit; the silicone protection ensures IP67 of the strip with integral length (uncut).
- The circuit ends are provided with IP20 ending connectors, therefore it is recommended to use the strips in interior applications.
- The product is supplied in 5m coils wrapped around special supports (rolls); supplied with (IP20) connection kit for connections in line or to power supply.
- Strips can be cut at predefined distances: 50mm (min 3 LED) for white colour, 100mm (min 3 LED) for RGB; in case of intermediate cuts, the cut ends must be sealed carefully.
- The back of the circuit is provided with adhesive for quick application; mounting accessories are available for more difficult installations: clips and rigid section.
- LED technical features: 12Vdc power supply; white: 60 LEDs/m for 24W total, max 3 strips (15m) connected in consecutive line; RGB: 30 LEDs/m for 40W total, max 2 strips (10m) connected in consecutive line.
- The colour temperature values of white LEDs are indicative and subject to changes.
- Optional power supplies and sequencers.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP20/IP67
- F seal
- Class of Insulation III



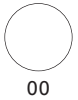
Fixing clips



Rigid channel



Available in 5 m coils



luminaire LED	code	lampe	colour temp. K
	M249	24 W	2400
	M250		3000
	M251		4000
	M252		6000
	M253	40 W RGB	RGB

accessories	code
20W 12V control gear max. 1 coil (5 m) Colour 00	MWF7
70W 12V control gear max 3 coil (15 m) Colour 00	MWF8
PWM master sequencer with voltage output with radiocontrol for RGB max. 2 coils (10 m) Colour 00	MWF9
PWM slave sequencer with voltage output without radiocontrol for RGB max. 2 coils (10 m) Colour 00	MWG0
DALI dimming interface 50 W 12 V Colour 00	MWP3

accessories	code
Fixing clips kit 10 items Colour 24	MWG2
Aluminium rigid channel 5 pieces with 1 m length Colour 12	MWG1

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* Sections can be split every 50 mm
** Sections can be split every 100 mm

With code MWF9-master, you can connect 2 strips for each code MWG0 slave in continuous sequence; in this case it is important to calculate the total power of the installation (for power supply) taking into consideration that with the use of sequencers the power of each single strips is reduced to 1/3 (~15W).





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This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exterior lighting systems catalogue.

Important enlargements of the range for the small body version of Minimal and Frame luminaires, with the introduction of last-generation light sources: white LEDs with neutral and warm colour temperature and HI-PAR 51 metal halide lamps.

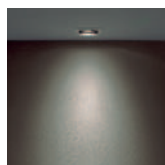
The remarkable performance and high energy saving guaranteed by the use of the new lamps in association with the clean design of the luminaires give a flexible answer to the lighting requirements of the settings where they are installed.



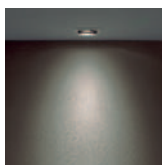
Photo: Claus Brenfeld
Madrid - Spain: Barajas Airport



LED version neutral white



LED version warm white



Version HI-PAR 51



Patented (Minimal)

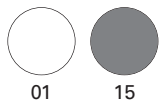
	luminaire	code	optic	lampe
Minimal		M333		1x(3x2,2 W) LED neutral white
		M334		1x(3x2,2 W) LED warm white
		M335		1x(3x2,2 W) LED neutral white
		M336		1x(3x2,2 W) LED warm white
		M337*		2x(3x2,2 W) LED neutral white
		M338*		2x(3x2,2 W) LED warm white
Frame		M342		1x(3x2,2 W) LED neutral white
		M343		1x(3x2,2 W) LED warm white
		M344		1x(3x2,2 W) LED neutral white
		M345		1x(3x2,2 W) LED warm white
		M346*		2x(3x2,2 W) LED neutral white
		M347*		2x(3x2,2 W) LED warm white

	luminaire	code	optic	lampe
Minimal		M330*		35 W HI-PAR 51
		M331*		35 W HI-PAR 51
		M332*		2x35 W HI-PAR 51
		M339*		35 W HI-PAR 51
		M340*		35 W HI-PAR 51
		M341*		2x35 W HI-PAR 51
Frame		M342		1x(3x2,2 W) LED neutral white
		M343		1x(3x2,2 W) LED warm white
		M344		1x(3x2,2 W) LED neutral white
		M345		1x(3x2,2 W) LED warm white
		M346*		2x(3x2,2 W) LED neutral white
		M347*		2x(3x2,2 W) LED warm white

* Complete with electronic components

Minimal versions are available in colour 04
Frame versions are available in colours 01-15

components	code
Constant-current LED driver 1,5÷21 W VIN= 220-240Vac VOUT MAX= 38Vdc IOUT= 600mA Colour 00	6993



Flexibility, easy maintenance and low visual impact characterise the line of Laser downlighters, with increased potential and performance thanks to the use of the innovative LED technology. Available in two white colour temperatures to satisfy the widest range of possible requirements. Long lamp life, high energy and economy saving convert these luminaires into the ideal lighting solution of an endless number of settings.

MODULO

This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exterior lighting systems catalogue.

	luminaire	code	optic	lampe
fixed		M314	S	3x2,2 W LED neutral white
		M315	S	3x2,2 W LED warm white
		M316	M	3x2,2 W LED neutral white
		M317	M	3x2,2 W LED warm white
		M318	S	3x2,2 W LED neutral white
		M319	S	3x2,2 W LED warm white
		M320	M	3x2,2 W LED neutral white
		M321	M	3x2,2 W LED warm white
adjustable		M322	S	3x2,2 W LED neutral white
		M323	S	3x2,2 W LED warm white
		M324	M	3x2,2 W LED neutral white
		M325	M	3x2,2 W LED warm white
		M326	S	3x2,2 W LED neutral white
		M327	S	3x2,2 W LED warm white
		M328	M	3x2,2 W LED neutral white
		M329	M	3x2,2 W LED warm white



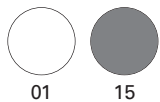
Photo: Max Schulz Studio
Lubbeck - Germany, Draeger Medical Centre



LED neutral white

LED warm white

components	code
Constant-current LED driver 1,5÷21 W VIN= 220-240Vac VOUT MAX= 38Vdc IOUT= 600mA Colour 00	6993



The introduction of the HIT-TC metal halide lamp increases the light output of this multilamp recessed luminaire, achieving high efficacy with maximum energy saving. Light Shed with metal halide lamp is available in two multi-recess versions, suitable for housing three or four light sources. This recessed system is the response to multiple demands for lighting and customisation of showrooms and sales areas.

MODULO

This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exterior lighting systems catalogue.

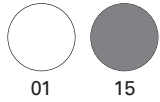
	luminaire	code	optic	lampe
3 optical assemblies		M348	M	3x20 W HIT-TC (GU6,5)
4 optical assemblies		M349	M	4x20 W HIT-TC (GU6,5)



Photo: Giuseppe Saluzzi
Milan - Italy - Loro Piana Boutique

Control gears to be ordered separately.

components	code
Electronic control gear Colour 00	MWM7



A new 12-LED version adds on to the 6-LED version to complete the range of Pixel Plus downlighters and comply with the needs in terms of lighting and energy saving in spaces such as exhibition halls and showrooms. Monochromatic light sources with warm white and neutral white colour temperatures provide warm or "natural" emission, while guaranteeing high-output performances and suggestive luminous scene designs. Double adjustability of the body, possible installation in modular panels and false ceilings with reduced height, spot and medium high-performing optics and numerous accessories allow for illuminating a large variety of spaces with flexibility and efficacy, underscoring small elements with minimum visual impact.

MODULO

This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exterior lighting systems catalogue.

luminaire	code	optic	lamp
	4659	S	6x2,2 W LED neutral white
	4660	S	6x2,2 W LED warm white
	4661	M	6x2,2 W LED neutral white
	4662	M	6x2,2 W LED warm white
	M350	S	12x1,6 W LED neutral white
	M351	S	12x1,6 W LED warm white
	M352	M	12x1,6 W LED neutral white
	M353	M	12x1,6 W LED warm white

Complete with electronic components

Comparison between traditional lamp (QT12) and LED with same luminous efficiency

Products	Watt/hour (W/h)	flow (lm)	Luminous efficiency (lm/W)	Lamp life (h)	Maintenance cycles
Pixel Plus ø 125mm with 6x2,2W LED Neutral White	15	540	36	30.000	1 every 8 years
Pixel Plus ø 125mm with halo QT12 35W	37	600	16	2.000	1 every 6 months

The values indicated by the symbols refer to the use of one product for one year, with 10 hours of operation every day.



Photo: Gunter Lätzler
Lucerne - Switzerland: Bucherer Jeweller's



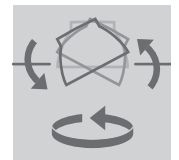
LED warm white (3100K)



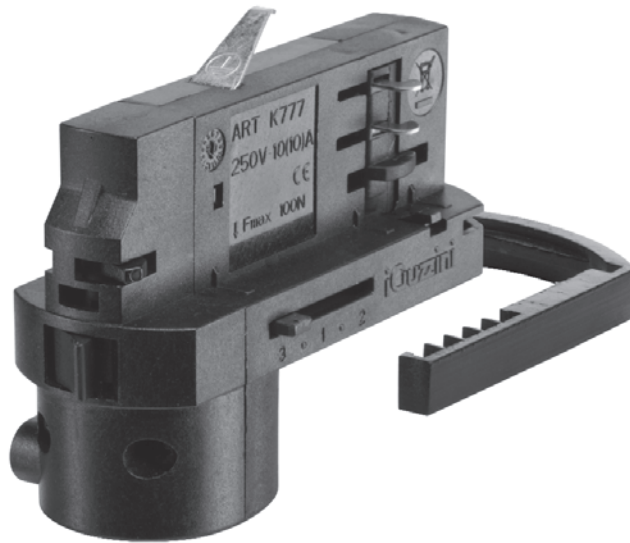
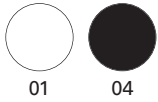
LED neutral white (4200K)



Ergonomic tab for aiming and lamp adjustment



Double-adjustability



The research and development of new products and new technologies is for iGuzzini the secret to offer state-of-the-art solutions able to meet modern lighting requirements. This is the origin of Carter IP 40, an accessory for adapter that "changes" the protection degree of a spotlight, guaranteeing IP 40 and maximum safety against penetration of solid bodies with dimensions higher than 1mm and against access through wire. The accessory has been especially studied to comply with specific norms.

Adapter

Adapter + Box



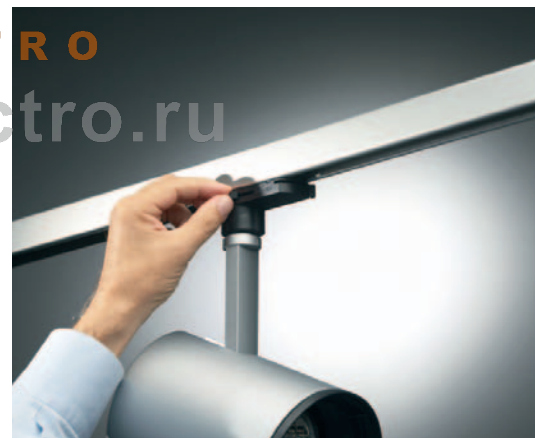
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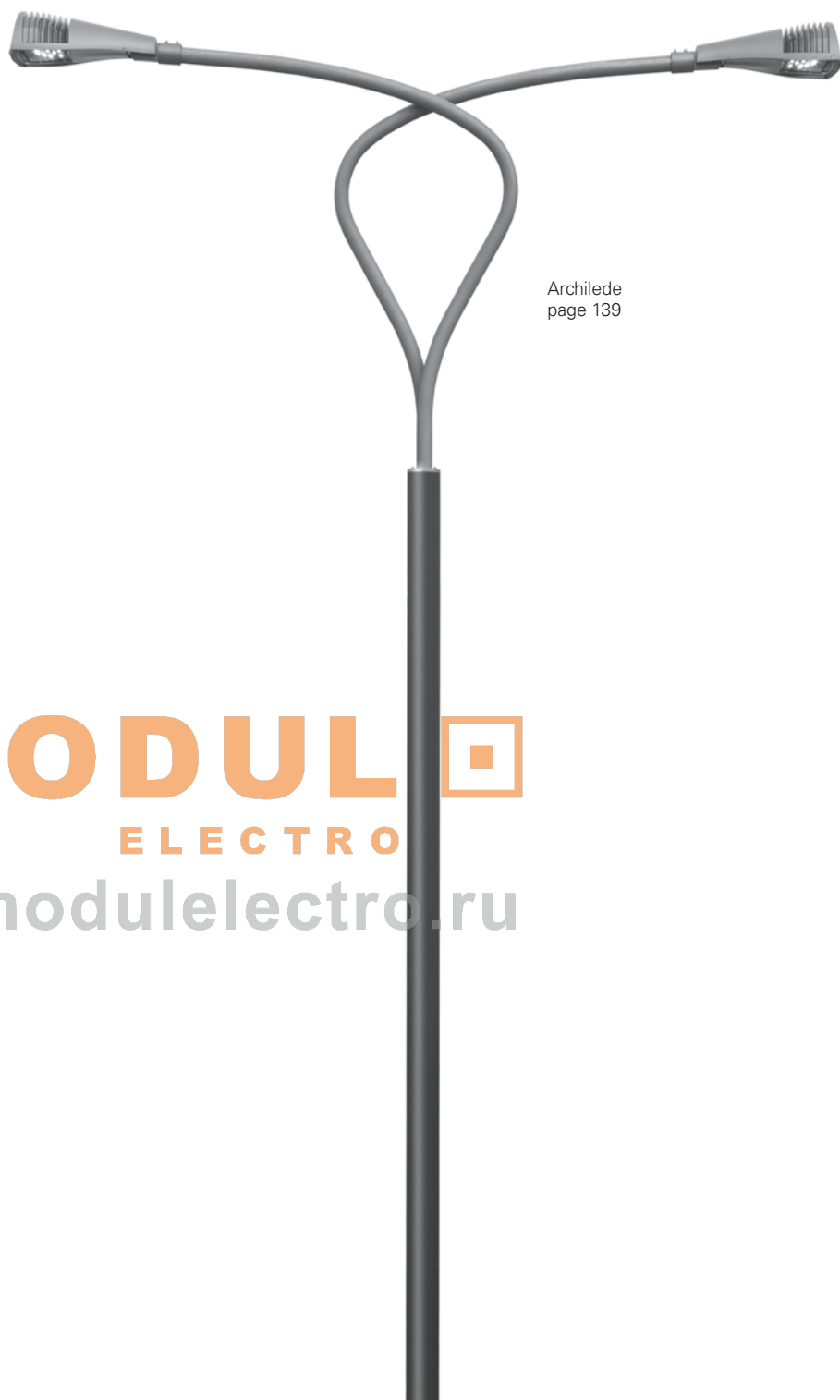
	code
 Cover for adapter	6854

The use of this accessory guarantees IP40 for the adapter only for spotlights that are not IP40. Ref. CEI 64-8 section 7 Areas with higher risk in case of fire.



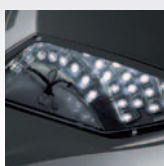


Lavinia System
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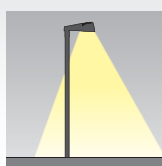


Archilede
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ELECTRO
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High colour rendering



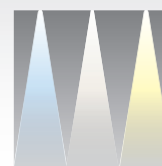
No upward emission
of light flow



"Intelligent driver":
with multiple
operation modes



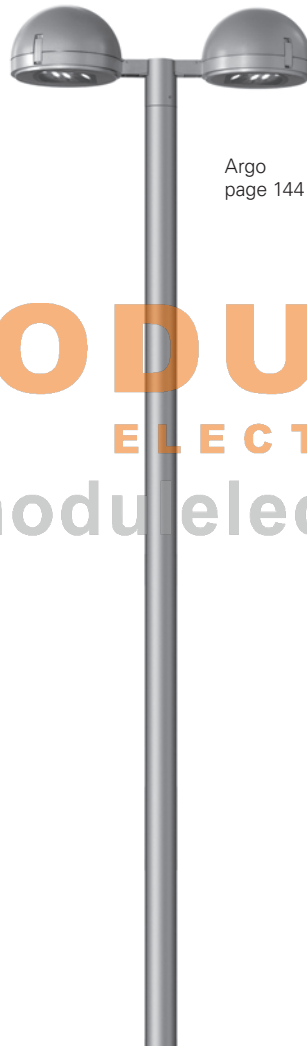
Operation in extreme
temperature
conditions



Colour temperature:
6000K/4200K standard
3500K on demand.



Delphi
page 144




Argo
page 144



Argo span-wire
installation
page 147



Lavinia System
page 148


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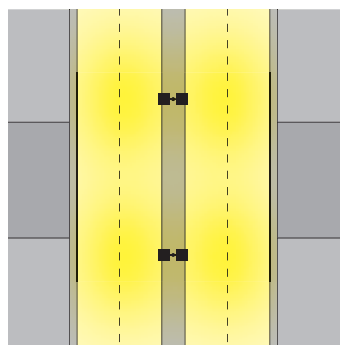
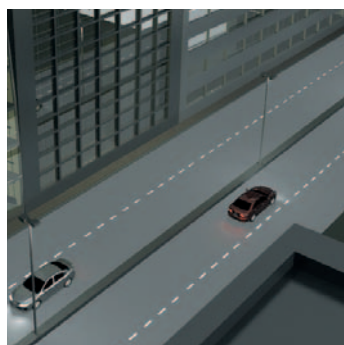
Top-level design for a complete range of LED luminaires studied to meet all lighting requirements of urban areas. The introduction of new lighting poles for Archilede and Lavinia, with larger size for Delphi and Lavinia bodies, and of the wiring-suspended Argo for installation in areas where the use of lighting poles or wall-mounted luminaires is not feasible, increases the potential and versatility of this family. The technology has been studied to achieve maximum energy saving with minimum environmental

impact (up to 464000 kW h and 195000 kg Co2 for 1,000 luminaires per year) together with excellent visual comfort. These luminaires achieve a dramatic reduction of running costs in public lighting installations, with the same lighting performance as conventional light sources. They guarantee uniform light, without shadows and without upward dispersion of the light flux, making an effective contribution for the reduction of lighting pollution.

Urban and interurban roads

characterised by high longitudinal uniformity values (min. UI= 0.6) and mostly vehicular traffic.

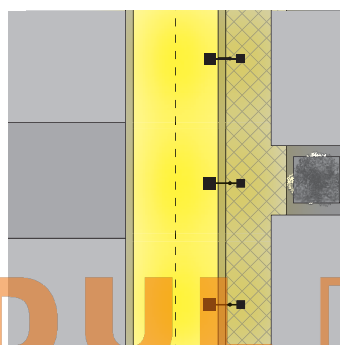
An example is represented by roads in ME3b lighting category.



101 W 84 LED						
h (m)	L (m)	Nc	a (m)	Lm	Uo	UI
9	8	2	33,5	1	0,4	0,6

Urban neighbourhood and urban interneighbourhood roads

characterised by longitudinal uniformity values from 0,5 to 0,6 and mostly vehicular traffic, with roundabouts, bicycle lanes and sidewalks. The example considers a street in ME3c lighting class (illuminated with DELPHI 59LED).

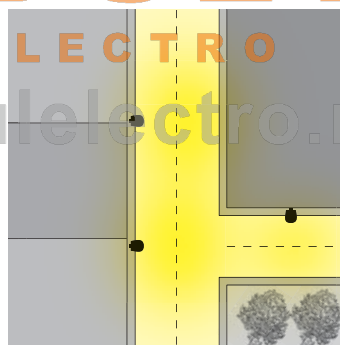


70 W 59 LED (road)						
h (m)	L (m)	Nc	a (m)	Lm	Uo	UI
7	7	2	27	1	0,5	0,6

43 W 39 LED (sidewalk)						
h (m)	L (m)	Nc	a (m)	Emed	Emin	
6	4	1	27	13,9lux	6 lux	

Urban local roads

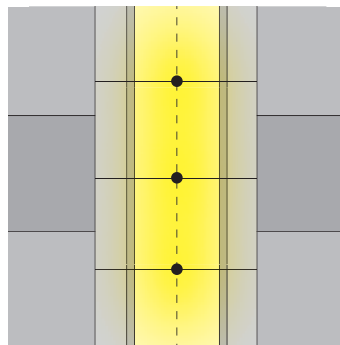
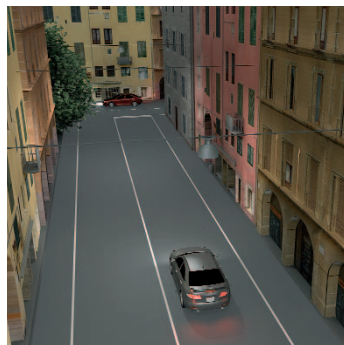
with vehicular traffic and 50Km/h speed limit, in which the average maintained luminance is 0.75 cd/m². They belong to the ME4a/ME4b lighting category, with excellent longitudinal and general luminance uniformity values.



43 W 39 LED						
h (m)	L (m)	Nc	a (m)	Lm	Uo	UI
6	6	2	23	0,75	0,4	0,6

Urban neighbourhood and urban interneighbourhood roads

They are characterised by longitudinal uniformity values from 0.5 to 0.6 and mainly vehicular traffic. The example considers a street in ME3c lighting class (illuminated with Argo span-wire installation 48LED) in a town centre where lighting poles cannot be used, thus imposing the use of suspended fittings.

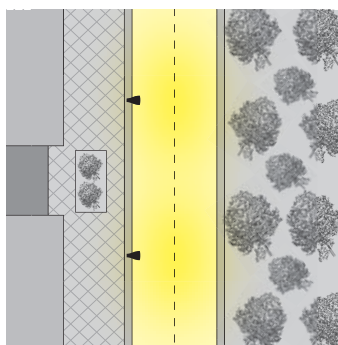
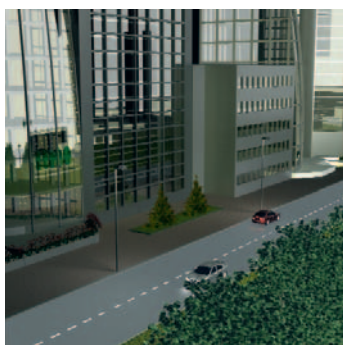


60 W 48 LED						
h (m)	L (m)	Nc	a (m)	Lm	Uo	UI
6	6	2	25	1	0,46	0,64

h= Installation height
 L= Road width
 Nc= Number of lanes
 Na= Number of luminaires
 a= Distance between poles
 Lm= Average luminance in cd/m²
 Em= average lighting in lx
 Uo= Average uniformity
 UI= Longitudinal uniformity

Urban roads

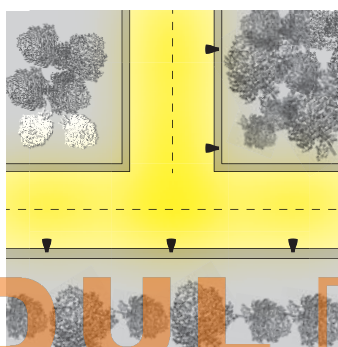
Urban neighbourhood and inter-neighbourhood roads (ME3C) with adjacent areas not classifiable according to the EN13201 standard where the SR parameter must be applied.



98 W 81 LED ARCHILEDE							
h (m)	L (m)	Nc	a (m)	Lm	Uo	UI	SR
7	7	2	26	1	0,4	0,5	0,5

Urban local roads

Local urban roads (ME4b) with adjacent areas that are not classifiable in accordance with EN 13201 where the SR parameter must be applied.

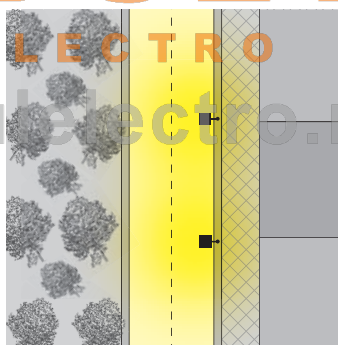


62 W 55 LED ARCHILEDE							
h (m)	L (m)	Nc	a (m)	Lm	Uo	UI	SR
6	6	2	23	0,75	0,4	0,6	0,5



Urban local roads

For streets with vehicular traffic with sidewalk or other pedestrian-bicycle lane, illuminated with this innovative optic that directs 40% of the flux behind the pole.

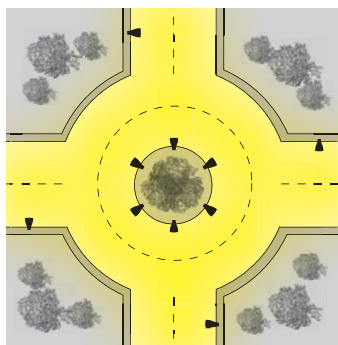


105 W 98 LED ARCHILEDE (road)							
h (m)	L (m)	Nc	a (m)	Lm	Uo	UI	
8	7,5	2	33	0,9	0,5	0,5	

105 W 98 LED ARCHILEDE (S4 sidewalk)							
h (m)	L (m)	Nc	a (m)	Emed	Emin		
8	3	1	33	7 lux	1 lux		

Roundabout lighting

The iGuzzini LED optic has been developed to satisfy the increasing need for lighting of roundabout areas (which have larger and larger size to facilitate the street flow compared to junctions); lighting can be obtained by installing the products on the internal perimeter of the roundabout. The example considers a roundabout with 26 m internal diameter, a 7m-wide street in C2 lighting class.


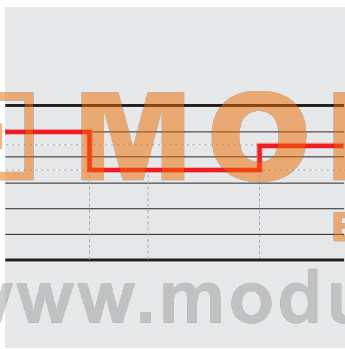




101 W 84 LED						
h (m)	L (m)	Nc	Na	Em	Uo	
8	7	2	6	26	0,47	

- h**= Installation height
- L**= Road width
- Nc**= Number of lanes
- Na**= Number of luminaires
- a**= Distance between poles
- Lm**= Average luminance in cd/m²
- Em**= average lighting in lx
- Uo**= Average uniformity
- UI**= Longitudinal uniformity
- SR**= Surround ratio

The first step in energy saving policies is to reduce instances of wastefulness. With the EUP Directive the European Community intends to eliminate from the market products with excessive energy consumption and replace them with more efficient products. Especially in the field of public lighting, these actions are immediately tangible and visible.

Public administrations acknowledge improvements in terms of saving and environmental impact, while citizens perceive an improvement of their lifestyle. Energy saving is only one of the advantages delivered by luminaires with innovative technologies, such as LEDs, the highest benefit being the reduction of running costs compared with traditional light sources.

Comparison between LED and sodium lamp	Intelligent driver	Twilight photocell	Colour rendering
			
ENERGY SAVING 40%	ENERGY SAVING 20%	ENERGY SAVING 10%	ENERGY SAVING 20%

Colour rendering only valid for Italy (UNI11248) and UK (BS 5489-1 and BS EN 13201-2:2003)

TOTAL AVERAGE ENERGY SAVING



Energy saving policies have acquired a central role also in the lighting sector, not only for the economic advantages, but also for the environmental benefits derived from them. The use of the innovative optic with LED technology, which ensures the same level of illumination and uniformity as conventional light sources with lower power, together with intelligent electronics and twilight photocell to regulate the switch-on of the lamp by taking full advantage of daylight, allows iGuzzini innovative optics to deliver efficient lighting in urban streets and areas, while guaranteeing maximum energy saving and considerable reduction of CO₂ emission in the atmosphere.

Light source		Energy Saving	Energy Saving with dimming*	CO ₂ avoided (t)	CO ₂ avoided with dimming	ABSORPTION**
Δ number of LED	Conventional					
84 x 1 W	250 W HG	67%	73%	425	471	23580
	150 W SAP	44%	55%	169	216	10800
59 x 1 W	125 W HG	50%	60%	159	190	9500
	100 W SAP	42%	32%	110	141	7072
39 x 1 W	125 W HG	74%	81%	229	253	12650
	70 W SAP	54%	64%	101	125	6380

* Fixed 100/70/90 profile pag. to side

** The value indicates the number of trees needed to absorb the quantity of CO₂ if emitted in the atmosphere.

Energy saving and CO₂ reduction in atmosphere for 1,000 luminaires and annual operation of 4,200 hours. Comparison with same lighting performance between a conventional low efficiency mercury vapour luminaire (HG) and a high efficiency high pressure sodium luminaire (SAP).

Predefined profiles

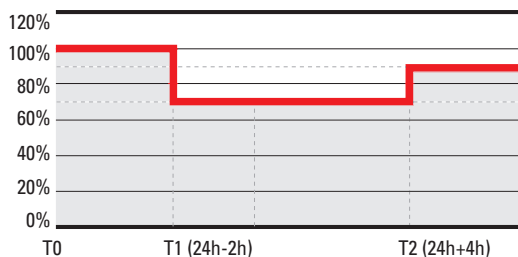
The products use a highly innovative driver. The LED operation can be modified by selecting the preferred mode from the four options described below.

Moreover, the operation mode can be customised and saved in the driver memory using a USB interface.

Self-learning profile

The self-learning profile provides for midnight detection thanks to a special algorithm. By reducing the wattage of the fitting according to the recommended profile, the average saving is +20%, in addition to the saving obtained by using the systems.

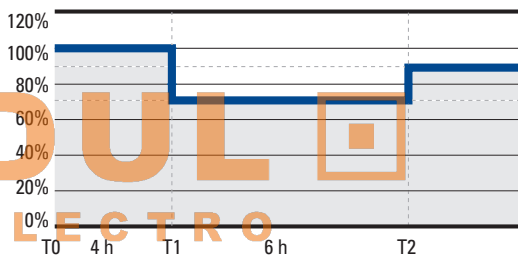
The profile permits to modify the wattage emitted in max. 6 steps and is based on the latitude and longitude of Rome. Customised profiles can be created with a specific software, for midnight detection in the main cities of the world.



100% 70% 90% fixed profile

The fixed profile is a simplified version of the self-learning profile. Although the result in terms of energy saving is basically the same, it is recommended

in situations for which no statistical data is available on the variation of vehicular traffic during the night or on the number of accidents.



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Fixed profiles

100% (green) e 90% (yellow)

The value of the emitted flux, which is maintained at the fixed value while the installation is on, should be implemented during the start-up of a new installation, in which traffic and safety data is collected and processed,

or in old installations in which obsolete lighting fixtures are replaced. In the latter case the use of the 90% level guarantees immediate 10% saving in addition to the one obtained by using the systems.



(referred to 90% fixed value)

Personalised profiles

In addition to 4 default operation modes, you can programme scenes and profiles as desired, with or without self-learning, using a dedicated software. The modification is saved in a USB interface. By inserting the key in the USB drive, the operation profiles are automatically replaced by the new ones. Download and upload operations are possible. This operation may be carried out either in the laboratory or directly on the site.



The midnight self-learning profile can have max. 6 regulation steps. Profiles with midnight self-learning can have max. 5 regulation steps.



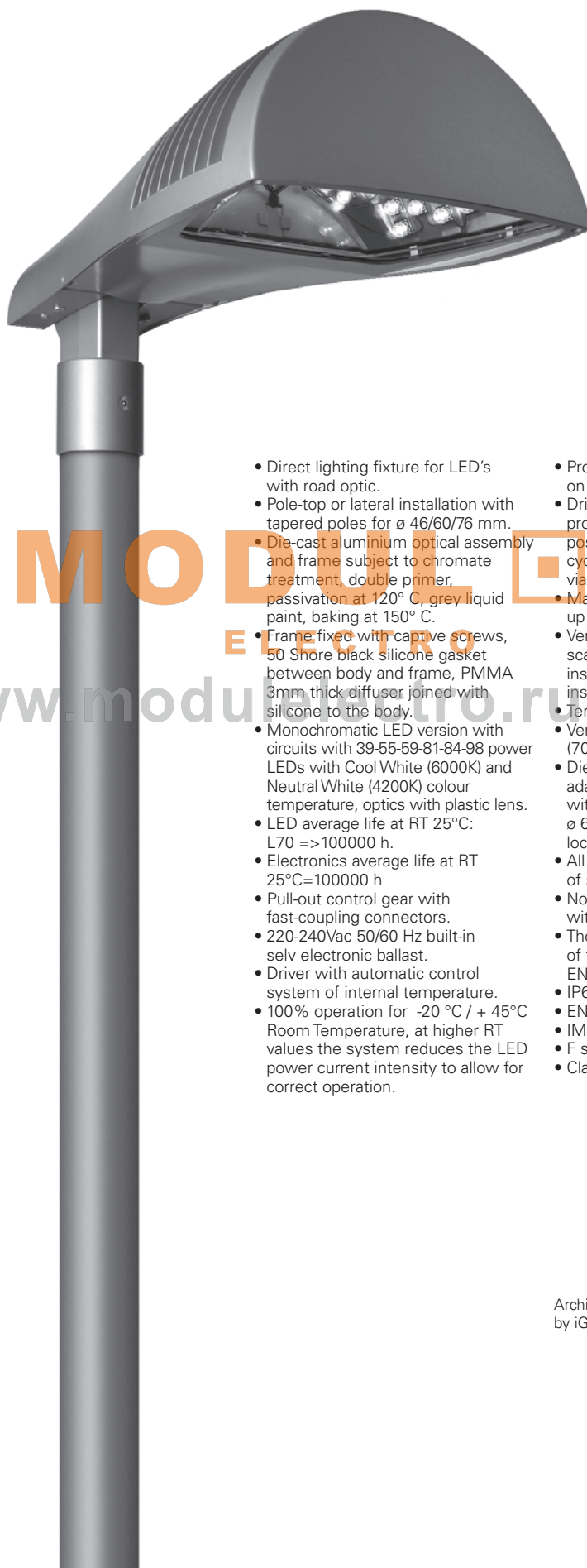
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ELECTRO
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Photo: Petr Janiš

Pisek - Czech Republic



The product has been awarded the following prize:
- iF Design Award 2010



Adjustability ± 20°



Universal adapter for poles (from ø 46 to 76)



Self learning driver



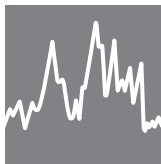
Twilight photocell (ON 70 lux OFF 35 lux)



Replaceable driver and ballast assembly



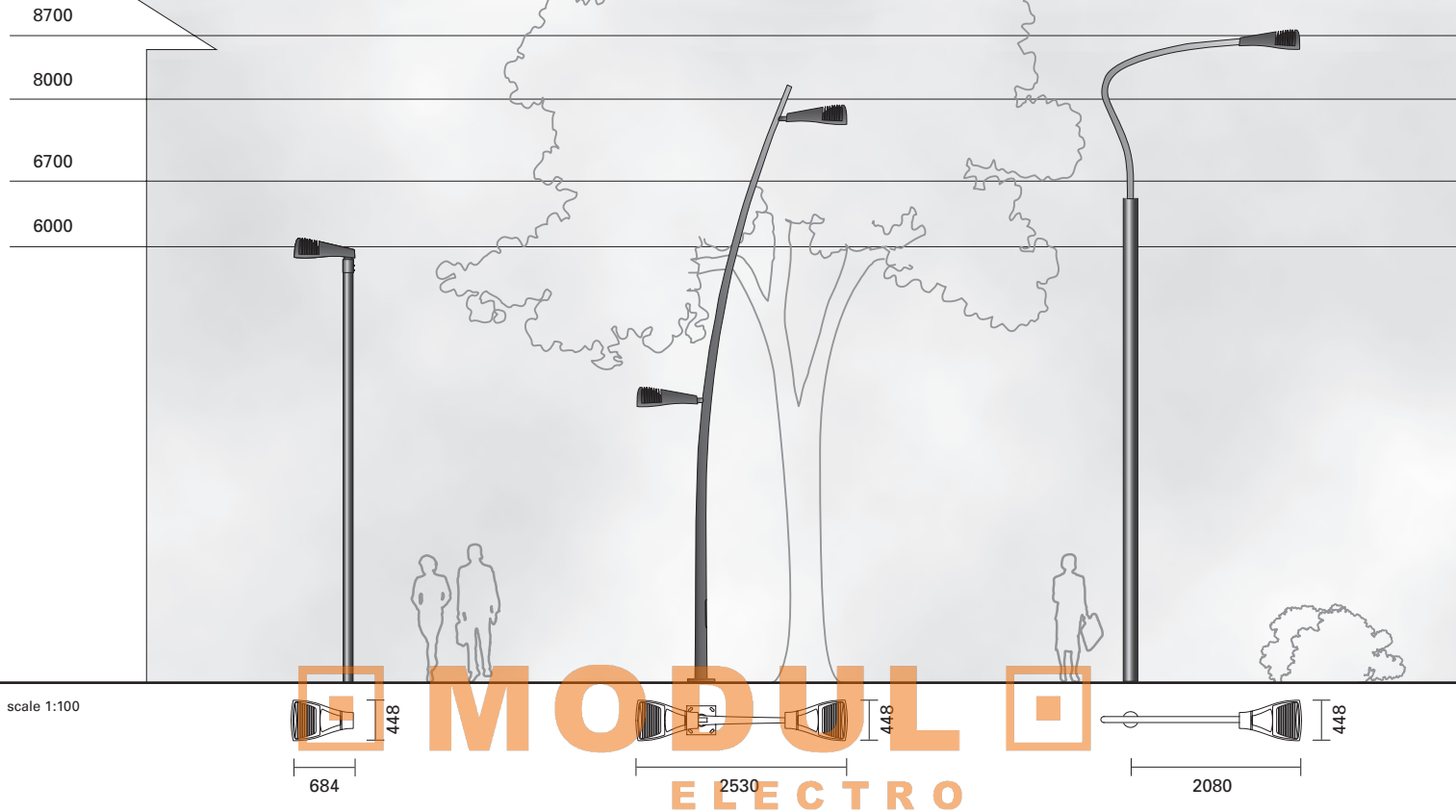
Spike protection



- Direct lighting fixture for LED's with road optic.
- Pole-top or lateral installation with tapered poles for ø 46/60/76 mm.
- Die-cast aluminium optical assembly and frame subject to chromate treatment, double primer, passivation at 120° C, grey liquid paint, baking at 150° C.
- Frame fixed with captive screws, 50 Shore black silicone gasket between body and frame, PMMA 3mm thick diffuser joined with silicone to the body.
- Monochromatic LED version with circuits with 39-55-59-81-84-98 power LEDs with Cool White (6000K) and Neutral White (4200K) colour temperature, optics with plastic lens.
- LED average life at RT 25°C: L70 => 100000 h.
- Electronics average life at RT 25°C=100000 h
- Pull-out control gear with fast-coupling connectors.
- 220-240Vac 50/60 Hz built-in selv electronic ballast.
- Driver with automatic control system of internal temperature.
- 100% operation for -20 °C / + 45°C Room Temperature, at higher RT values the system reduces the LED power current intensity to allow for correct operation.
- Product for -40 °C RT available on demand.
- Driver with 4 predefined operation profiles selected with dip switches, possibility of personalised operation cycles with dedicated software via USB flash drive.
- Main spike protection system up to 4Kv.
- Vertical orientation with graduated scale, +20°/-20° in pole-top installation and +5°/-20° in lateral installation.
- Terminal block with 4 AT fuse.
- Versions with twilight photocell (70 lux on-35 lux off).
- Die-cast aluminium pipe with adapter for poles with ø 46-60mm, without adapter for poles with ø 60-76mm, bolts with safety locking nuts.
- All external screws made of stainless steel.
- No luminous flux emitted upwards with system in horizontal position.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP67
- ENEC approval
- IMQ Performance
- F seal
- Class of Insulation II

Archilede, designed by iGuzzini for Enel Sole

All the combinations illustrated can be obtained by combining the single elements presented in the tables.

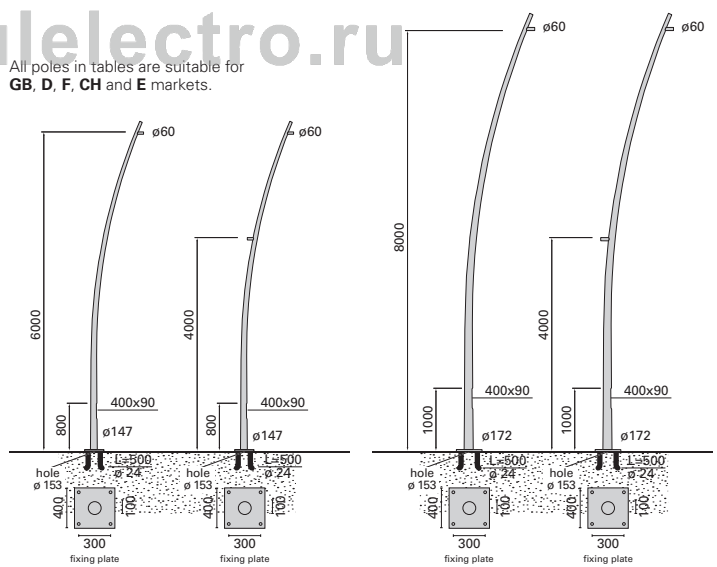


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luminaire	optic	code		lamp
		min. operation temp. -20°C	min. operation temp. -40°C	
		BD99	BF27	39x1 W LED cool white
		BD06*	BF30*	39x1 W LED cool white
		BE94	BF39	39x1 W LED neutral white
		BE88	BF33	55x1 W LED cool white
		BE91*	BF36*	55x1 W LED cool white
		BE97	BF42	55x1 W LED neutral white
		BE00	BF28	59x1 W LED cool white
		BD07*	BF31*	59x1 W LED cool white
		BE95	BF40	59x1 W LED neutral white
		BE89	BF34	81x1 W LED cool white
		BE92*	BF37*	81x1 W LED cool white
		BE98	BF43	81x1 W LED neutral white
		BE01	BF29	84x1 W LED cool white
		BD08*	BF32*	84x1 W LED cool white
		BE96	BF41	84x1 W LED neutral white
		BE90	BF35	98x1 W LED cool white
		BE93*	BF38*	98x1 W LED cool white
		BE99	BF44	98x1 W LED neutral white

All poles in tables are suitable for GB, D, F, CH and E markets.



code	ø	length	colour
1506	60	6000	15
1508	147	6000	15

code	ø	length	colour
1507	60	8000	15
1509	172	8000	15

Codes against grey background are available on demand

accessories	code
Software Colour 00	BZ39
USB interface Colour 04	BZ38

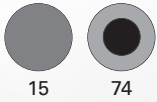
Fixing plate with anchoring bolts		
code	poles	colour
1165	1515-1570 1588-1910	00
1167	1511-1566 1585-1909	00

* Optical assembly with twilight photocell.
Codes against grey background are available on demand.

Neutral white = 4200K
Cool white = 6000K

Accessories for optical assembly

Poles with plate are suitable for the F and E markets



15 74

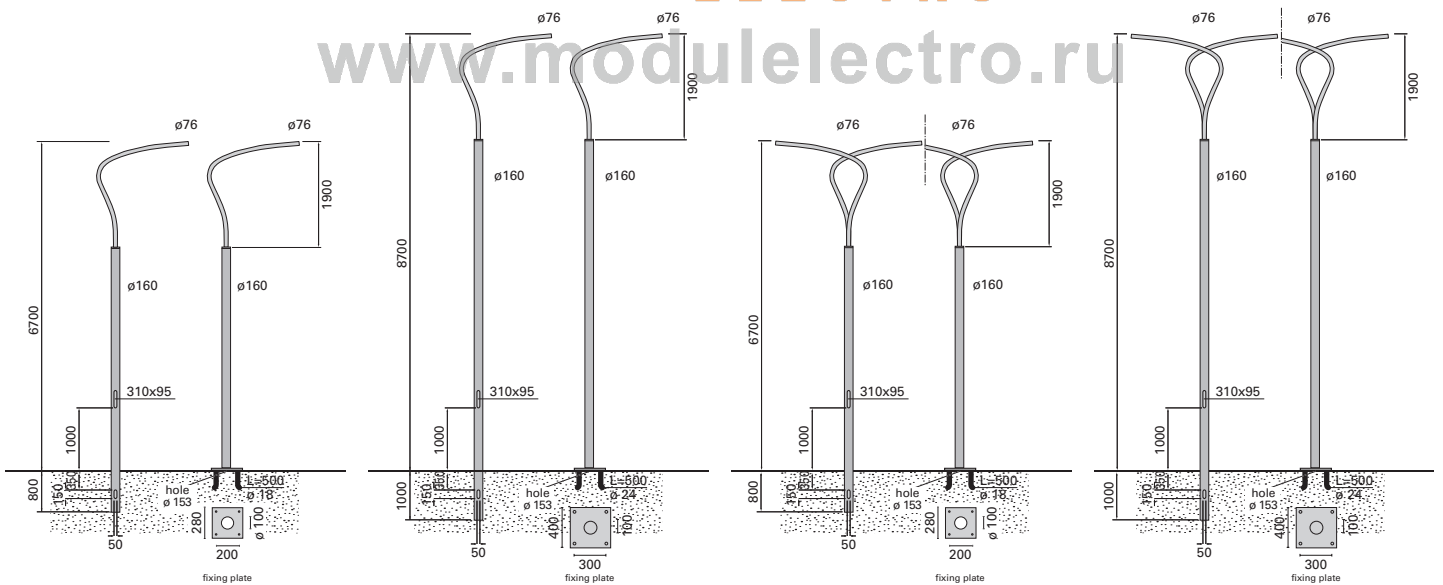


Registered Design (poles)
Patent Pending (optical assembly)



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○	code	ø	length	colour
↑	1511	76	7500	74
↓	1566	160	6700	

○	code	ø	length	colour
↑	1515	76	9700	74
↓	1570	160	8700	

○	code	ø	length	colour
↑	1585	76	7500	74
↓	1909	160	6700	

○	code	ø	length	colour
↑	1588	76	9700	74
↓	1910	160	8700	

Codes against grey background are available on demand

The terminal box has four polarities with three ways for pole and is fitted for bridge wiring. It is equipped with two fuse holders for dim. 10,3x38 - 380 V - max 20A. Suitable for power cables with cross-section 16 mm² on input and 2,5 mm² on output to hook up with the light source. Made with class of insulation II.

terminal box		door key	
code	colour	poles	code colour
1863	00	1506-1507-1508 1509-1511-1515 1566-1570-1585 1588-1909-1910	0246 00

support for UK terminal blocks	code
for curved conical poles	BZC2
for poles with arm	B944
DIN guide for D and CH	code
for all poles	B943

tip	code	lamp
	BZC5	1x1 W LED blue
	BZC6	1x1 W LED neutral white

for curved conical poles (1506-1507-1508-1509)

- Available in buried versions (except for curved conical poles) and with plate.
- Poles made of EN10025-S235JR steel, hot galvanized with 70 micron thickness in compliance with UNI EN ISO 1461 (EN40-5).
- Powder paint surface treatment.
- Curved conical shape with 70 mm final diameter ; cylindrical shape with 160 mm diameter.
- 4 mm thickness for codes 1515/1570/1588/1910, 3 mm thickness for codes 1511/1566/1585/1909, 3 mm thickness for curved conical poles.
- 150x50 mm slot for cable access.
- 400x400mm anchoring plate (280x280 for poles with code 1511/1566/1585/1909) made of hot galvanized steel with 70 micron thickness, with 4 slots.
- Anchoring plate and bolts (to be ordered separately).
- Flush inspection lid IP44 310x95 mm made of cast aluminium with seal gasket, flush IP30 400x90mm (for curved conical poles) made of steel.
- Terminal block with single or double fuse-holder, 4 poles and 3 ways per pole; incoming cables with 16 mm² section and outgoing cables with 2.5 mm² section.
- Suitable for Italian, French, Spanish, German, Swiss and British terminal blocks (with DIN bar and wooden adapter to be ordered separately).
- Internal earthing system with stainless steel grounding lug and screw.
- Versions complete with single or double arm, available with L=1400mm and L=2800mm, respectively. S235JR steel arm with 76mm diam. and 4 mm thickness. Subjected to powder paint treatment.
- Arms fixed to pole with 4 M10 screws.
- Terminal block: terminal block IP44 IK08 (1863).

MODULO

Archilede

Lavinia

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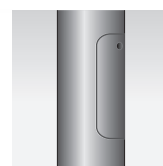


Photo: Paolo Carlini

Piacenza - Italy



Poles suitable for all European markets



Flush inspection lid

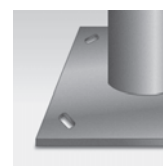


Plate with slot



Photo: Giuseppe Saluzzi

Baku - Azerbaijan:
Old wall



Adjustability +15°, -5°



Self learning driver



Twilight photocell on demand



Replaceable LED unit



Replaceable driver and ballast assembly

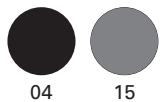


Spike protection



- Direct lighting fixture for LED's with road optic.
- The fixture can be installed on a pole or wall-mounted.
- Made up of optical assembly, pole, arm (single or double) and pole-top.
- Optical assembly and lid made of die-cast aluminium, with parallelepiped (Delphi) or hemispherical (Argo) shape, subjected to phosphochromatization, double primer, passivation at 120°C, liquid (texturized black) paint, baking at 150°C; opening with clips without tools, hinged lid with automatic retention system. Diffuser sealed with silicone to PMMA body with 3mm thickness, 50 Shore black silicone seal.
- Optical assembly complete with decompression valve.
- Vertical orientation with graduated scale +15° / -5° in pole-top/arm installation; +5°/-20° in lateral installation
- Monochromatic LED version with 39-59 (small body) and 84-98 (large body) power LED circuit, in Cool White (6000K) and Neutral White (4200K) colour temperature, optics with plastic lens.
- LED average life at Ta 25°C: L70 >90000 h.
- Electronics average life at Ta 25°C=100000 h
- Pull-out control gear and optical assembly with fast-coupling connectors for quick independent operation.
- 220-240Vac 50/60 Hz built-in selv electronic ballast.
- Driver with internal temperature automatic control system.
- Product operation at 100% for Room Temperature (RT) from -20°C to + 36°C, at higher RT values the system reduces the intensity of power supply current of the LEDs to allow for correct operation.
- Version for -40°C RT on demand.
- Driver with 4 predefined operation profiles selected with deep switches, possibility of personalised operation cycles with dedicated software that can be transferred via USB drive.
- Protection system against mains spike up to 4Kv.
- Terminal block with 4 AT fuse
- Versions with twilight photocell (70 lux on-35 lux off).
- Stainless-steel external screws.
- Hot galvanized steel arms subjected to acrylic liquid paint treatment.
- Die-cast aluminium pole-top with single and double attachment for ø 60 – 76 - 102mm poles, triple for ø 102mm poles.
- Die-cast aluminium lateral attachment for tapered poles with diameter from 46 to 76mm.
- No light flow emission in upper hemisphere in horizontal position (in compliance with the strictest regulations against light pollution).
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP66
- ENEC approval
- IMQ Performance
- F seal
- Class of Insulation II

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Patent Pending



luminaire	optic	code		lamp
		min. operation temp. -20°C	min. operation temp. -40°C	
Delphi small body 		BD91	BF45	39x1 W LED cool white
		BD93*	BF47*	39x1 W LED cool white
		BD92	BF46	59x1 W LED cool white
		BD94*	BF48*	59x1 W LED cool white
		BF00	BF58	39x1 W LED neutral white
		BF01	BF59	59x1 W LED neutral white
Argo small body 		BD95	BF49	39x1 W LED cool white
		BD97*	BF51*	39x1 W LED cool white
		BD96	BF50	59x1 W LED cool white
		BD98*	BF52*	59x1 W LED cool white
		BF02	BF60	39x1 W LED neutral white
		BF03	BF61	59x1 W LED neutral white

luminaire	optic	code		lamp
		min. operation temp. -20°C	min. operation temp. -40°C	
Delphi large body 		BF11	BF69	84x1 W LED cool white
		BF13*	BF71*	84x1 W LED cool white
		BF12	BF70	98x1 W LED cool white
		BF14*	BF72*	98x1 W LED cool white
		BF17	BF75	84x1 W LED neutral white
		BF18	BF76	98x1 W LED neutral white

Neutral white = 4200K
Cool white = 6000K

*Optical assembly with twilight photocell (ON:70 lux; OFF:35 lux).
Codes against grey background are available on demand

MODULO

accessories	code
Software Colour 00	BZ39
USB interface Colour 04	BZ38

accessories	code
Lateral attachment for poles with ending part with diam. from 46 to 76 (page 141) Colours 04-15	BZC9

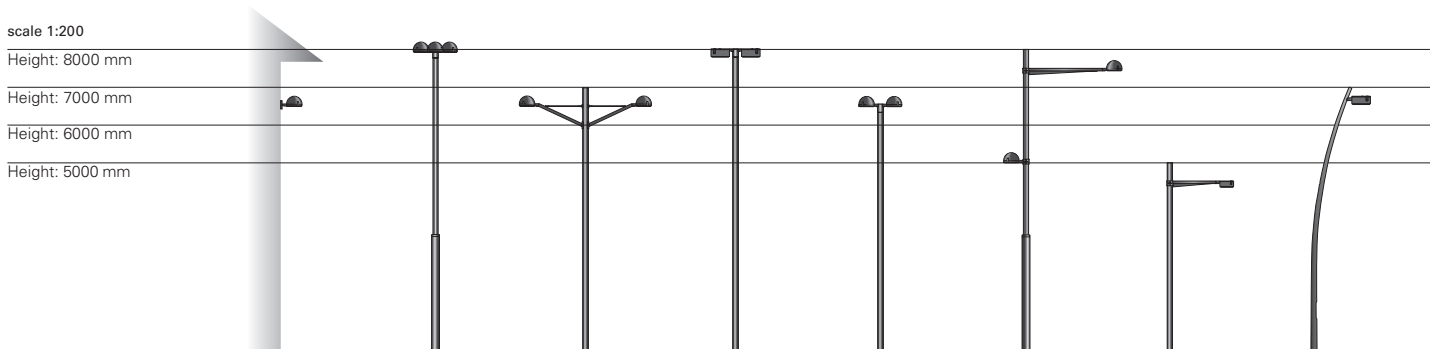
scale 1:200

Height: 8000 mm

Height: 7000 mm

Height: 6000 mm

Height: 5000 mm



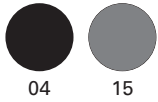
For all information on the entire range (arms, poles, sales order), see Sistema Cut-Off on page 168



Photo by courtesy of AST 1989 Group - Hakkı İlker

Antalya - Turkey
Mardan Palace

design iGuzzini



Registered Design
Patent Pending



luminaire	optic	code		lamp
		min. operation temp. -20°C	min. operation temp. -40°C	
		7010	BF57	48x1 W LED cool white
		BF06	BF64	48x1 W LED neutral white

Codes against grey background are available on demand

Neutral white = 4200K
Cool white = 6000K

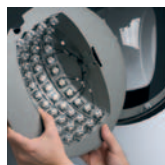
- Wiring suspended luminaire with direct emission for LEDs with street optic.
- Suspended installation.
- Made up of optical assembly and fixing system.
- Optical assembly and inspection lid made of die-cast aluminium, with hemispherical shape, subjected to chromatisation, double primer, passivation at 120° C, liquid (texturized black) paint, baking at 150°C; opening with clips without tools, lid fixed with hinge. Diffuser sealed with silicone to PMMA body with 3mm thickness; 50 Shore black silicone seal.
- Optical assembly complete with decompression valve.
- +15°/-15° orientation with respect to horizontal axis; 360° orientation with respect to vertical axis.
- Monochromatic LED version with 48-power LED circuit, in Cool White (6000K) and Neutral White (4200K) colour temperature, optics with plastic lens.
- LED average life at 25°C RT: L70>90000 h.
- Electronics average life at 25°C RT =100000 h.
- Pull-out control gear and optical assembly connected with fast-coupling connectors for quick independent operation.
- 220-240Vac 50/60 Hz built-in selv electronic ballast.
- Driver with internal temperature automatic control system.
- Product operation at 100% for Room Temperature from -20 °C to + 40°C, at higher RT values the system reduces the intensity of power supply current of the LEDs to allow for correct operation.
- Version for -40°C RT on demand.
- Driver with 4 predefined operation profiles selected with dip switches, possibility of personalised operation cycles with dedicated software via USB flash drive.
- Protection system against mains spike up to 4Kv.
- Terminal block with 4 AT fuse.
- Stainless-steel external screws.
- Die-cast aluminium fixing system with anchoring system to AISI 304 stainless steel wire.
- Attached on cables/wires with diam. from 6 to 12mm.
- Stainless steel anti-fall safety system.
- No light flow emission in upper hemisphere in horizontal position (in compliance with the strictest regulations against light pollution).
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP66
- ENEC approval
- F seal
- Class of Insulation II



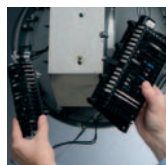
Adjustability



Driver



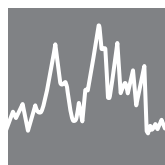
Replaceable LED unit



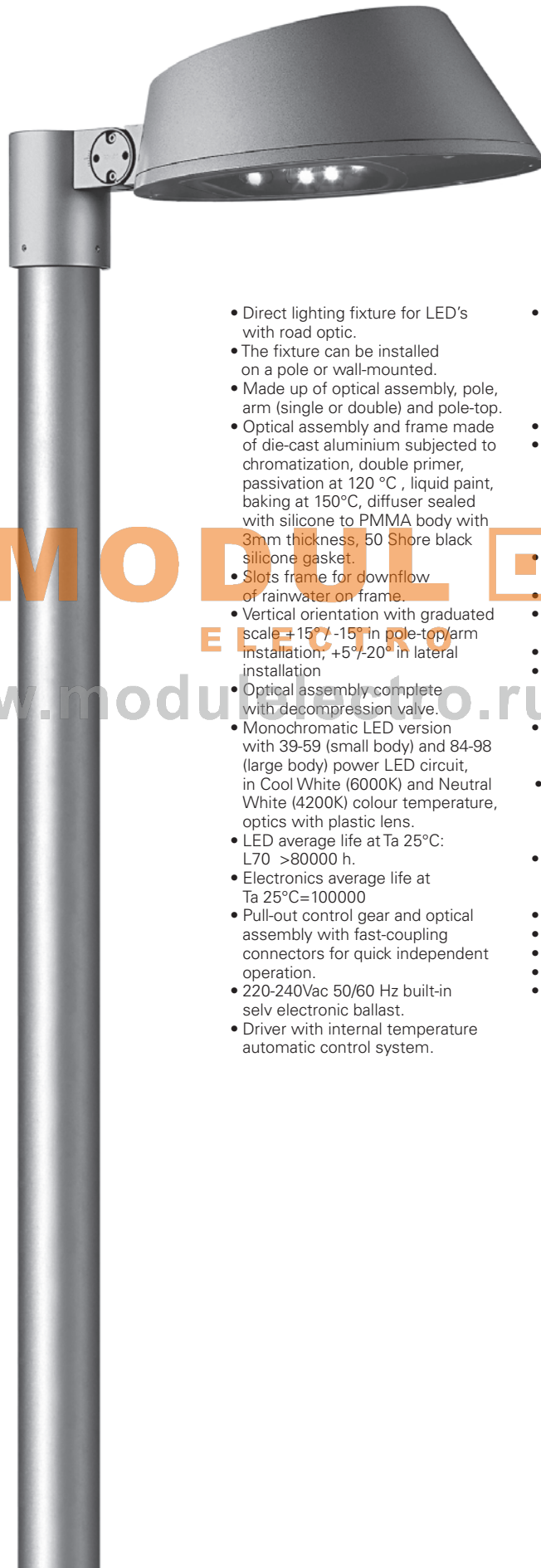
Replaceable driver unit



Retention system Cord



Spike protection

Adjustability $\pm 15^\circ$ 

Driver with self-learning



Twilight photocell



Replaceable LED unit



Replaceable driver unit and control gear



Spike protection



- Direct lighting fixture for LED's with road optic.
- The fixture can be installed on a pole or wall-mounted.
- Made up of optical assembly, pole, arm (single or double) and pole-top.
- Optical assembly and frame made of die-cast aluminium subjected to chromatization, double primer, passivation at 120 °C , liquid paint, baking at 150°C, diffuser sealed with silicone to PMMA body with 3mm thickness, 50 Shore black silicone gasket.
- Slots frame for downflow of rainwater on frame.
- Vertical orientation with graduated scale $+15^\circ$ / -15° in pole-top/arm installation, $+5^\circ$ / -20° in lateral installation
- Optical assembly complete with decompression valve.
- Monochromatic LED version with 39-59 (small body) and 84-98 (large body) power LED circuit, in Cool White (6000K) and Neutral White (4200K) colour temperature, optics with plastic lens.
- LED average life at Ta 25°C: L70 >80000 h.
- Electronics average life at Ta 25°C=100000
- Pull-out control gear and optical assembly with fast-coupling connectors for quick independent operation.
- 220-240Vac 50/60 Hz built-in selv electronic ballast.
- Driver with internal temperature automatic control system.
- Product operation at 100% for Room Temperature (RT) from -20°C to $+36^\circ\text{C}$, at higher RT values the system reduces the intensity of power supply current of the LEDs to allow for correct operation.
- Version for -40°C RT on demand.
- Driver with 4 predefined operation profiles selected with deep switches, possibility of personalised operation cycles with dedicated software that can be transferred via USB drive.
- Protection system against mains spike up to 4Kv.
- Terminal block with 4 AT fuse
- Versions with twilight photocell (70 lux on-35 lux off).
- Stainless-steel external screws.
- Pole-top for diam. 102-120mm and aluminium arms with flange for poles with diam. 102-120mm.
- Die-cast aluminium lateral attachment for tapered poles with diameter from 46 to 76mm.
- No light flow emission in upper hemisphere in horizontal position (in compliance with the strictest regulations against light pollution).
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP66
- ENEC approval
- IMQ Performance
- F seal
- Class of Insulation II



15



Registered Design
Patent Pending



luminaire	optic	code		lamp
		min. operation temp. -20°C	min. operation temp. -40°C	
small body 		BD87	BF53	⏏ 39x1 W LED cool white
		BD89*	BF55*	⏏ 39x1 W LED cool white
		BD88	BF54	⏏ 59x1 W LED cool white
		BD90*	BF56*	⏏ 59x1 W LED cool white
		BF04	BF62	⏏ 39x1 W LED neutral white
		BF05	BF63	⏏ 59x1 W LED neutral white

luminaire	optic	code		lamp
		min. operation temp. -20°C	min. operation temp. -40°C	
large body 		BF07	BF65	⏏ 84x1 W LED cool white
		BF09*	BF67*	⏏ 84x1 W LED cool white
		BF08	BF66	⏏ 98x1 W LED cool white
		BF10*	BF68*	⏏ 98x1 W LED cool white
		BF15	BF73	⏏ 84x1 W LED neutral white
		BF16	BF74	⏏ 98x1 W LED neutral white

*Optical assembly with twilight photocell (ON:70 lux; OFF:35 lux).
Codes against grey background are available on demand.

Neutral white = 4200K
Cool white = 6000K

accessories	code
Software Colour 00	BZ39
USB interface Colour 04	BZ38

accessories	code
Lateral attachment for poles with ending part with diam. from 46 to 76 (page 141) Colours 04-15	BZC8

MODULO ELECTRO

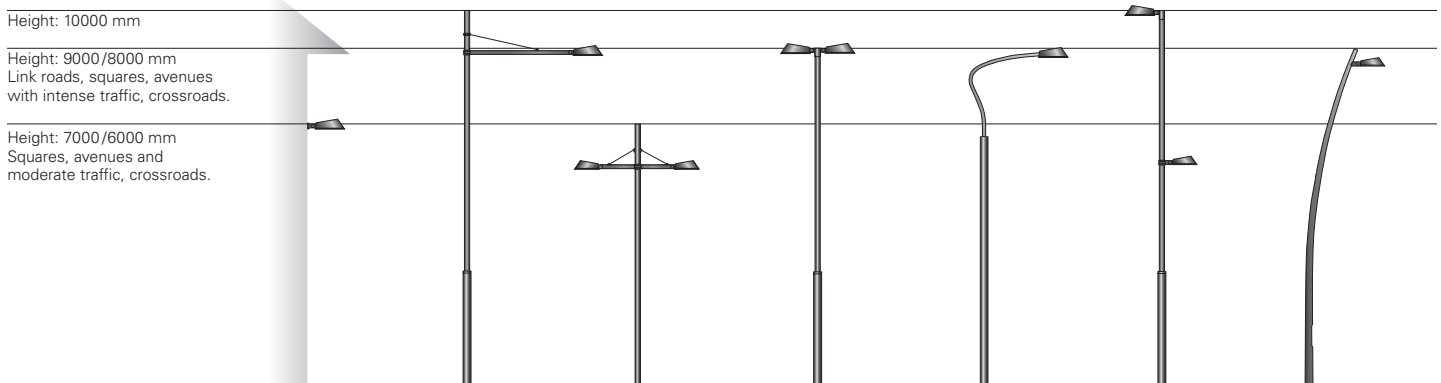
www.modulelectro.ru

scale 1:200

Height: 10000 mm

Height: 9000/8000 mm
Link roads, squares, avenues with intense traffic, crossroads.

Height: 7000/6000 mm
Squares, avenues and moderate traffic, crossroads.



For all information on the entire range (arms, poles, sales order), please refer to the External Lighting System Catalogue.

CityWoody
page 163



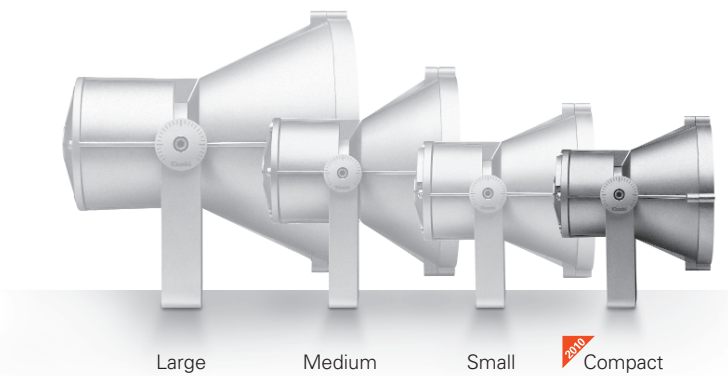
The large MaxiWoody family is now integrated and completed with MaxiWoody Compact. The product is characterised by the new size of the body and the use of the new arms introduced for CityWoody and MultiWoody applications, short arm and double arm (pylon) respectively, also available for the other fittings of the range. The MaxiWoody Compact system combines flexibility and adjustability with a very wide range

of accessories and high-efficiency innovative light sources to create formal solutions able to meet the multiple modern lighting requirements of public areas, with excellent performance and high energy saving. In addition to contributing to the reduction of CO₂ emissions in the atmosphere, the 24-LED version ensures longer lamp life and reduces maintenance.

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Large

Medium

Small

2010
Compact



24 LED version
wall-washer



Adjustable barn doors



Coloured filters
and refractor



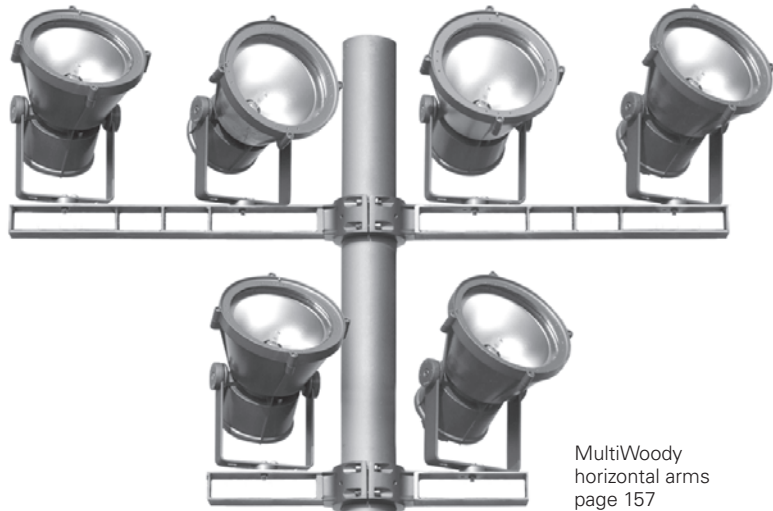
Visual comfort
(spill-ring)



Large range of louvre



Cylindrical screen

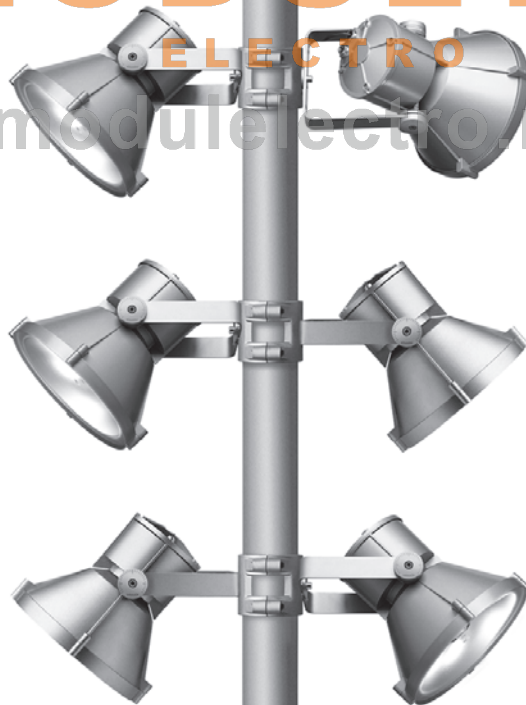


MultiWoody horizontal arms page 157

MultiWoody multiple supports page 157



MODULO
ELECTRO
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MultiWoody flanges page 157



The MultiWoody System can also house iPro large body (page 199)

Superspot Optic (SS)

A very narrow, exact light beam highlights architectural details with small dimensions from very large distances, including from one building to another.



Medium Optic (M)

When installed on a pylon-type pole, MaxiWoody Compact delivers uniform lighting of very high façades.



WideFlood (WF)

This optic has been studied to guarantee a wide distribution of the light flux on surfaces to provide the ideal lighting of building façades, squares and public areas.



LED Superspot Optic (SS)

When installed below gutter level, in the LED version, the product is the ideal solution to highlight and underscore small elements and details with a very narrow, exact light beam.



LED Flood Optic (F)

In the picket application the LED Flood optic is the ideal solution to deliver wide uniform lighting in green or residential areas.



LED Alo Optic

Suitable for pathway lighting, this optic ensures excellent medium illumination levels for safer pedestrian traffic while achieving high energy saving.

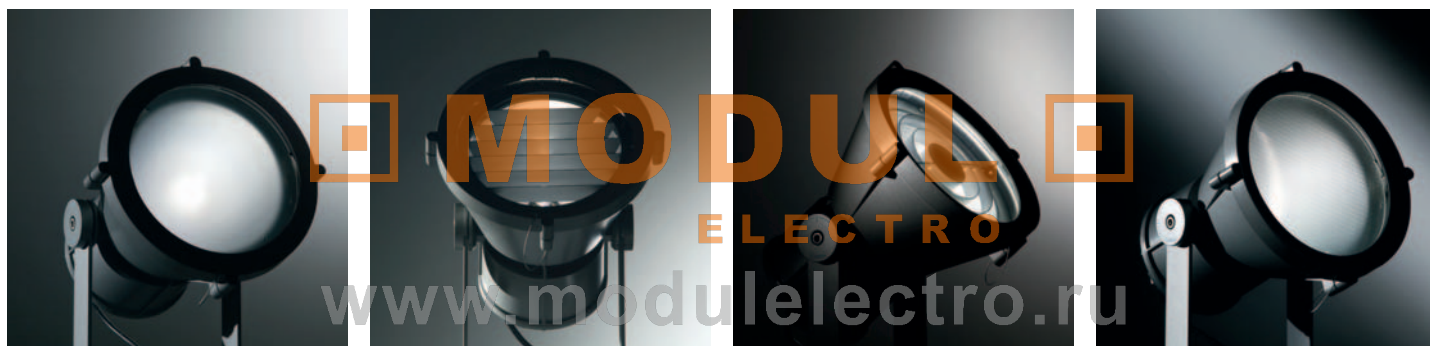




Accessories

Public areas need versatile lighting to meet the most diverse, yet precise, lighting requirements of each space. Valorising particular elements, lighting entire façades, or guaranteeing maximum comfort for the user: lighting direction must be able to adjust to all type of settings. The wide selection of accessories, which can be combined together,

performs this function, giving total flexibility to the luminaire. Chromatic filters, refractors, the cylindrical diffuser for a clean, focused luminous effect, directional flaps, spill-rings and louvres ensure highly adjustable projects with high efficiency level and maximum visual comfort.



Cut-off angles with and without spill ring

iGuzzini has developed a wide range of anti-glare spill-rings that are especially studied for use in combination with different bodies and all types of optic. The luminous effects created by the multiple light cones obtained with the use of spill-rings allow for illuminating spaces at best, increasing the cut-off angle and avoiding unpleasant glare.

Spill ring					
Optic	Super Spot - Spot	Medium - Flood	Asymmetrical longitudinal	Cut-Off 60°	Full Comfort
α Cut-off					
MaxiWoody compact	α 45° (α 35°)	α 45° (α 35°)	α 50° Long. lamp. (α 25°) α 55° Trasv. lamp. (α 30°)	α 60° (α 35°)	complete screening (α 35°)

Data (α) in parenthesis refers to fitting without spill ring



MODULO

- Luminaire with direct emission for LEDs, metal halide and compact fluorescent lamps.
- Installation in ground, wall (with Fischer screws) and pole systems.
- Composed of optical assembly (compact) and bracket.
- Optical assembly and frame in aluminium alloy; acrylic liquid paint surface finish which has a high resistance to atmospheric agents and UV sun rays; sodium-calcium tempered sealing glass, transparent colourless, 4 mm thick; secured with captive screws; stainless steel retention cable; 50-60 Shore A silicone gasket.
- 99.93% superpure aluminium reflector.
- Pull-out component-holding plate made of hot galvanized steel sheet; back box and lid made of painted aluminium alloy; spacers and captive screws; power supply unit with electronic control gear and fast-coupling terminals.
- Monochromatic LED version with 24-LED circuit, optics with plastic lenses, glass with customised serigraphy, and 100-265Vac 50/60Hz built-in electronic control gear.
- Available optics: Medium (M), Flood (F), WideFlood (WF), Elliptical (E), Spot (S), Superspot (SS), Blade of light (LL), Street (ST), Cycle path (Alo).
- The floodlight can be adjusted vertically $\pm 115^\circ$ by means of a painted steel bracket with 10-step graduated scale and mechanical locking devices to guarantee the stability of the luminous flow and horizontally $\pm 120^\circ$ by means of a hot galvanised painted plate for ground installation.
- Ready for pass-through cables with M24x1.5 double cable clamp made of nickel-plated brass (for cables with 7-16mm diameter).
- All screws are A2 stainless steel.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP67 IK07
- F seal
- ENEC approval (except for LED versions)
- Class of Insulation II

www.moduloled.it

Photo: Giuseppe Saluzzi



Centro (FE) - Italy, Fortress



Position locking and graduated scale



Pass-through cable



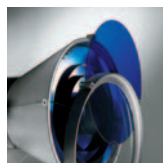
Decompression valve



Retention cable for frame



Slots allowing rainwater to run off



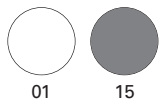
Accessory combination



Removable plate and captive screws



Low maintenance (long life of LED) for LED version



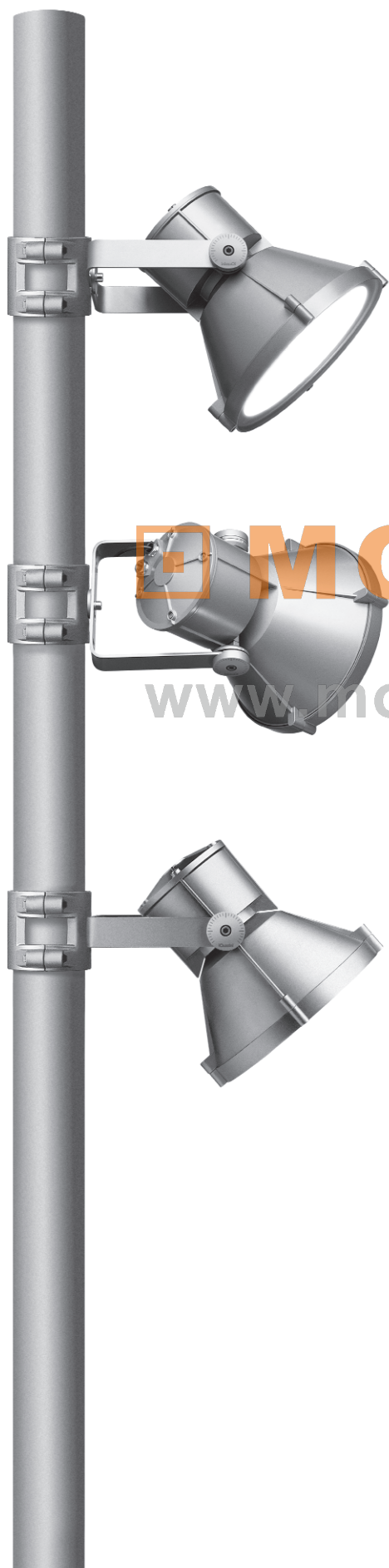
Registered Design

luminaires	control gear	code	optic	lamp
	ELECTRONIC	6136	SS	35 W HIT (G12)
		6137	M	35 W HIT (G12)
		6138	WF	35 W HIT (G12)
		6139	AL	35 W HIT (G12)
		6140	SS	70 W HIT (G12)
		6141	M	70 W HIT (G12)
		6142	WF	70 W HIT (G12)
		6143	AL	70 W HIT (G12)

luminaires	control gear	code	optic	lamp
	ELECTRONIC	6144	WF	14/17 W PLR (GR14q-1)
		6145	WF	26/32/42 W TC-TEL (GX24q-3/4)
		6146	SS	24x1,2 W LED neutral
		6147	SS	24x1,2 W LED warm white
		6148	F	24x1,2 W LED neutral
		6149	F	24x1,2 W LED warm white
		6150	ALo	24x1,2 W LED neutral
		6151	ALo	24x1,2 W LED warm white

Codes against grey background are available on demand.

accessoires	code	accessoires	code
Glass diffuser Colour 65	BZD6	Cross-bladed louvre Colour 04	BZE5
Coloured filters Colours 05-06-09	BZD7	Protection grid Colour 78	BZE6
Refractor for elliptical distribution Colour 24	BZD8	Cylindrical screen Colour 74	BZE7
Spill ring for optic superspot/spot cut-off 45° Colour 04	BZD9	Directional flap Colour 04	BZE8
Spill ring for optic medium/flood cut-off 45° Colour 04	BZE0	Visor Colour 15	BZE9
Spill ring for asymmetrical longitudinal optic Colour 04	BZE1	Ground anchoring plate Colour 15	5951
Circular louvre Cut-Off 60° Colour 04	BZE2	Ground fixing system Colour 00	BZF0
Circular louvre Full Comfort Colour 04	BZE3	Accessory retention cable Colour 00	BZF1
Lamellar louvre Colour 04	BZE4		

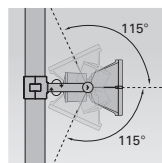


- System of flanges, horizontal arms and multiple supports used to fit Maxiwoody floodlights (Compact, Small and Medium body) on pole, wall, ceiling and ground.
- Flanges for pole installation made of die-cast aluminium for single or double floodlight. The flanges can be installed on all poles with 120mm or 102 diam. without drilling holes for mechanical fixing.
- Horizontal arms are made of die-cast aluminium flanges and hot galvanized steel sheet sections. Available in single or double version to house one or two Maxiwoody floodlights (max. four products). Arms are suitable for installation of iPro floodlight (large size) fitted either in the upper or lower part of the arm.
- The floodlight can be rotated and tilted in various configurations, also with the use of accessories (for horizontal arms).
- Flanges and horizontal arms for pole installation are treated with texturized liquid paint with high resistance to weather agents and UV radiation.
- The poles made of hot galvanized steel with 70 micron thickness treated with texturized powder paint are available in different heights: some versions (5, 7 and 9m off ground, diam. 120mm) are complete with holes and membrane cabling sheath for power cables.
- The maximum number of floodlights permitted on pole (see instructions sheet) depends on installation conditions (wind thrust, ground type, etc.). iGuzzini can provide stability calculations for all installation conditions.
- Multiwoody can be installed on wall, floor and ceiling with a series of steel/aluminium multiple supports suitable for installation of two or three floodlights.
- All external screws are made of A2 stainless steel.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP67 IK08
- F seal
- ENEC approval (except for LED versions)
- Class of Insulation II

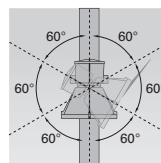
www.moduloelectro.ru



Photo: Enrique Padron
The Havana - Cuba: Casa Pedrose and Parque Maceo



Projector-bracket rotation

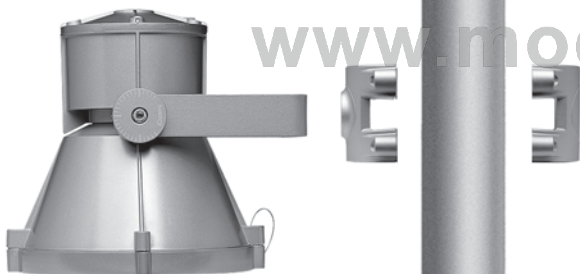


Bracket rotation by 60° steps

The possible combination of poles, projectors and accessories ensures the high flexibility of the system.



The system is available in three different sizes for the floodlight.



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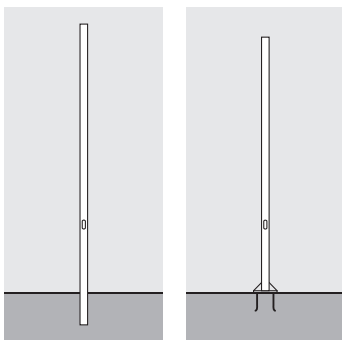
MaxiWoody floodlights (medium, small, compact) can only be installed on top and therefore max. two floodlights for double arm and one floodlight for single arm can be installed. Moreover, only one MaxiWoody medium body can be installed for each arm on flange side towards the pole. For the correct installation of the luminaires, always consult the instruction sheet provided with the product. For different applications the maximum number of floodlights permitted on pole depends on installation conditions (wind thrust, ground type, etc.). iGuzzini can provide stability calculations for all installation conditions.

Flanges for pole mounting are available for single or double composition.

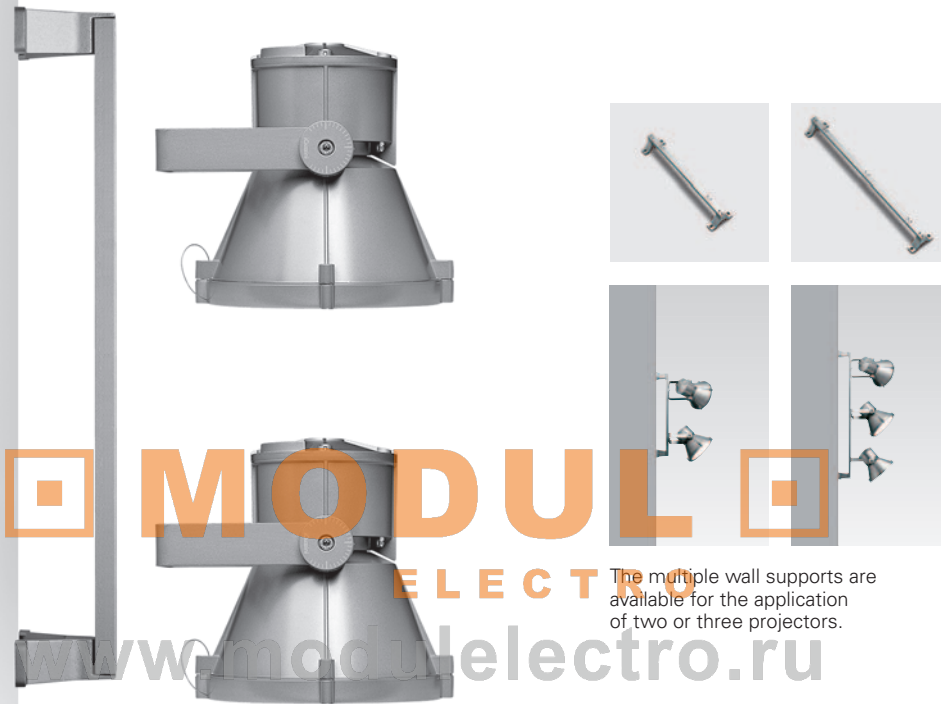
Horizontal arms



The pole is available in two versions, with fixing plate or for burying.



The wall application - thanks to the two different lengths of the multiple supports - is the ideal solution when no pole installation is possible.



The multiple wall supports are available for the application of two or three projectors.

sales order

The commercial order should be completed based on the elements making up the system.

Pole version

pole	+ horizontal arms and flange	+ floodlight
	 or or 	

Wall-mounted version

multiple support	+ floodlight

All the combinations illustrated are purely indicative; the maximum number of projectors depends on the conditions of the installation point and should be verified as the need arises.

9000

7000

5000

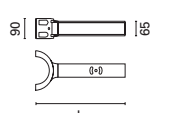
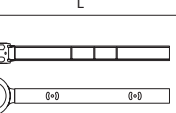
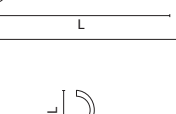
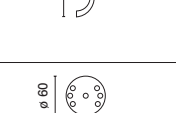


scale 1:100

MODULO



ELECTRO


The MultiWoody System can also house iPro large body (page 199). In case of installation of iPro floodlight on horizontal arms the number of floodlights can be doubled up/down.


www.modulelectro.ru

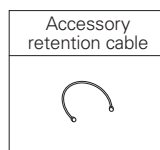
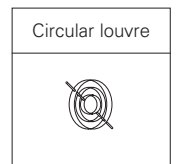
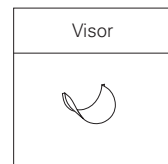
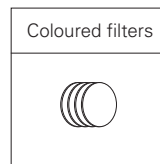
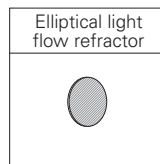
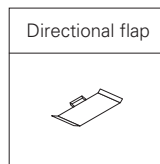
	Horizontal arm	ø pole	code
for 1 floodlight		120	6113 L=400
		102	6116 L=390
for 2 floodlights		120	6114 L=795
		102	6117 L=785
counter flange		120	6115 L=178
		102	6118 L=160
adapter disk		-	6119*

* Allows for higher rotation of floodlight on horizontal arm

	Flanges	ø pole	code
for 1 floodlight		120	6012 149x180
		102	6111 119x165
for 2 floodlights		120	6013 156x180
		102	6112 126x165

Multiple support for two floodlights	
	code
	6014


Multiple support for three floodlights	
	code
	6015




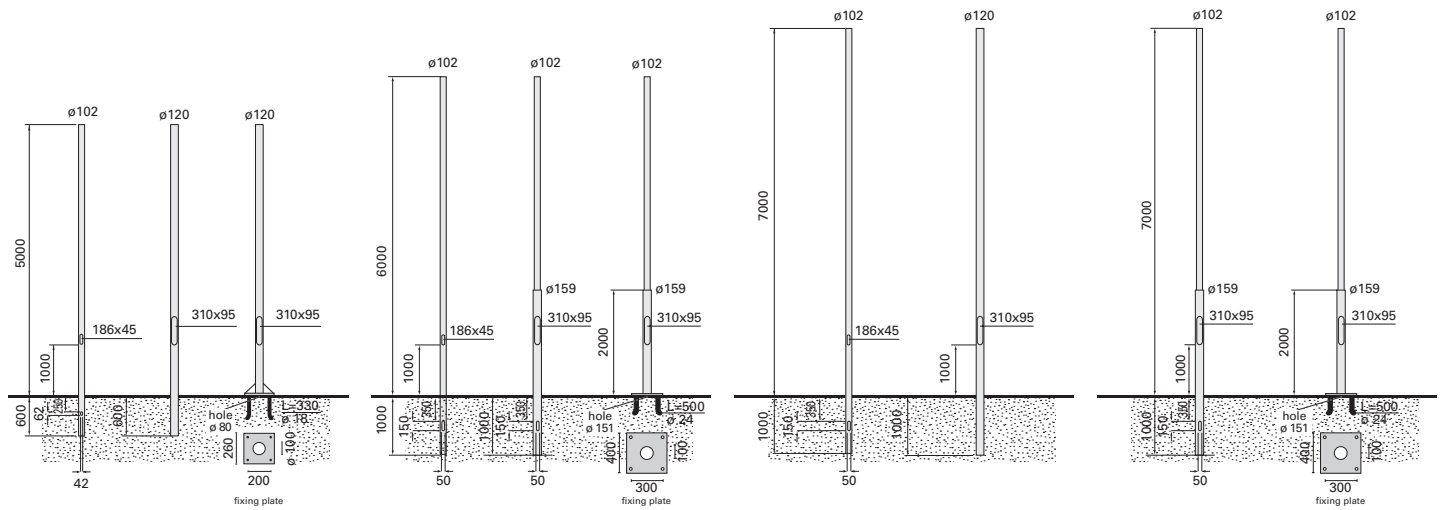
Accessory codes are shown on page 156

W-Saving: nominal max power up to 250 W. The components that are necessary for the operation of the fittings must be ordered separately, please refer to the External Lighting System Catalogue

lamp	W	ø pole	W-Saving	
			230 V	220 V
HST-DE	70/150	194	G884	G885
HST	70/100	194	G884	G885
HSE	70	194	G884	G885

base for poles			
code	size	poles	colour
1841		1292	15

base for poles			
code	size	poles	colour
1842		1597	15
1843		1598 1599	
		1547	



○	code	ø	length	colour
+	1205	102	5600	15
+	1291	120	5600	
⊥	1292	120	5000	

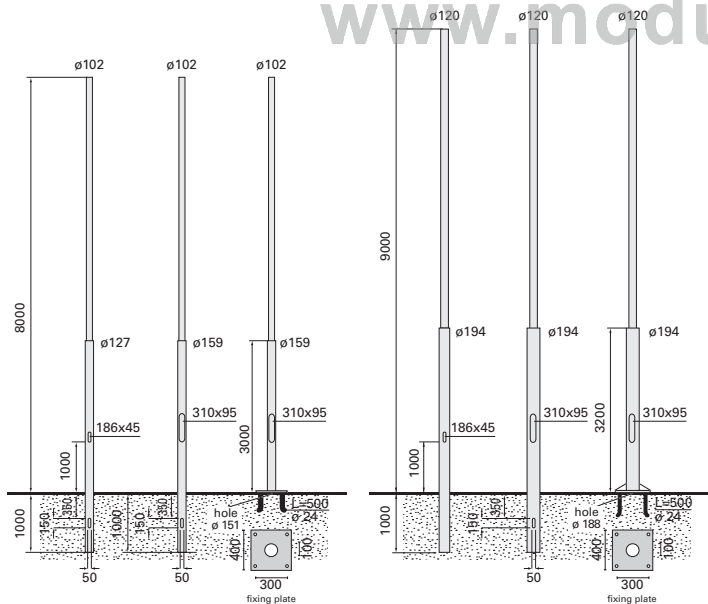
○	code	ø	length	colour
+	1542	102	6800	15
+	1561	102	6800	
⊥	1597	159	6000	

○	code	ø	length	colour
+	1543	102	8000	15
⊥	1287	120	8000	

○	code	ø	length	colour
+	1562	102	8000	15
⊥	1598	159	7000	

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○	code	ø	length	colour
+	1544	102-127	9000	15
+	1565	102	9000	
⊥	1599	159	8000	

○	code	ø	length	colour
+	1288	120	10000	15
+	1545	194	10000	
⊥	1547	194	9000	

Branch box for multiple wiring fitted on a pole

code	1880
------	-------------

The terminal blocks have four polarities with three ways for pole and are fitted for bridge wiring. They are made with class II insulation Code **1862** is equipped with a fuse holder for dim. 8,5x31,5 - 380 V - max 20 A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source.
Code **1863** is equipped with two fuse holders for dim. 10,3x38 - 380 V - max 20A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source.
Code **1865** is equipped with two fuse holders for dim. 8,5 x 31,5 - 380 V - max 20 A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source.

terminal box			door key	
code	colour	poles	code	colour
1862 1865	00	1205	0227	
		1542		
		1561		
		1543		
1862 1865	00	1597	0246	00
		1562		
		1598		
		1565		
		1599		
		1545		
1863	00	1291	0246	
		1292		
		1597		
		1287		
		1598		
		1599		
		1288		
1545				
1547				

fixing plate with anchoring bolts		
code	poles	colour
1168	1292	00
1165	1597-1598 1599-1547	

accessories for terminal block	
code	poles
D - CH B943	1542-1543-1544-1545 1547-1561-1562-1565 1597-1598-1599

accessories for terminal block	
code	poles
UK B944 B972	1542-1543-1544-1561-1562 1565-1597-1598-1599 1545-1547

The poles featured in the tables are suitable for fixing on **I, F** and **E**. For other countries, add the specific fixing systems featured in the table.

* DIN guide for **D** and **CH**
** Marine grade plywood support for terminal board for **GB**



Photo: Paolo Carini

Como - Italy
Castello di Baradello

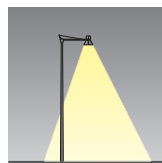


- Poles and wall-mounted system for one or two MaxiWoody floodlights (Compact, Small and Medium body) for discharge lamps and LEDs.
- The support arms are made of hot galvanised steel with 70 micron thickness with texturized liquid paint surface treatment. Pole-top versions are complete with stainless steel tie rods.
- Various lengths available in pole and wall-mounted version; possibility to install one or two floodlights on poles.
- The arms are fixed to the pole by means of a painted aluminium flange, the fixing system does not require pole drilling.
- The floodlights can be tilted towards the street side and towards the sidewalk side.
- (Conical) poles are made of hot galvanised steel with 70 micron thickness painted with texturized powder paint, available in two heights: 4 and 7 metres off ground.
- All external screws are made of A2 stainless steel.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP67 IK08
- F seal
- ENEC approval (except for LED versions)
- Class of Insulation II

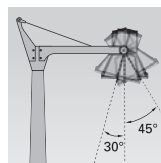
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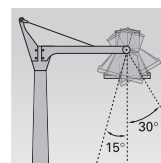
Photo: Giuseppe Saluzzi
Marina di Ravenna - Italy - Dock



No upward emission of light flow

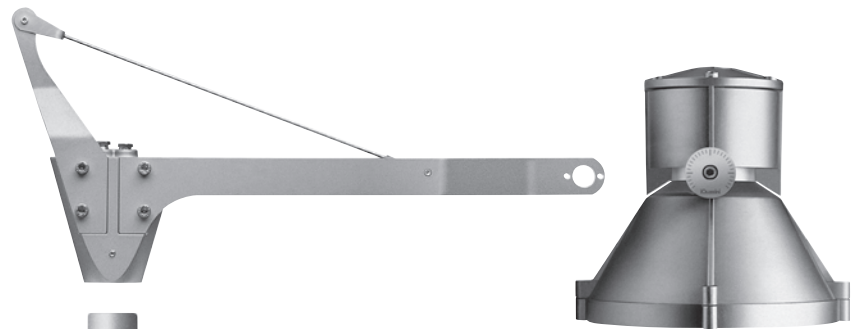


Rotation of the optical assembly (MaxiWoody compact)



Rotation of the optical assembly (MaxiWoody small and medium body)

The possibility of combining arms, poles, flanges, projectors and accessories is the key to the great flexibility and adaptability of the system.

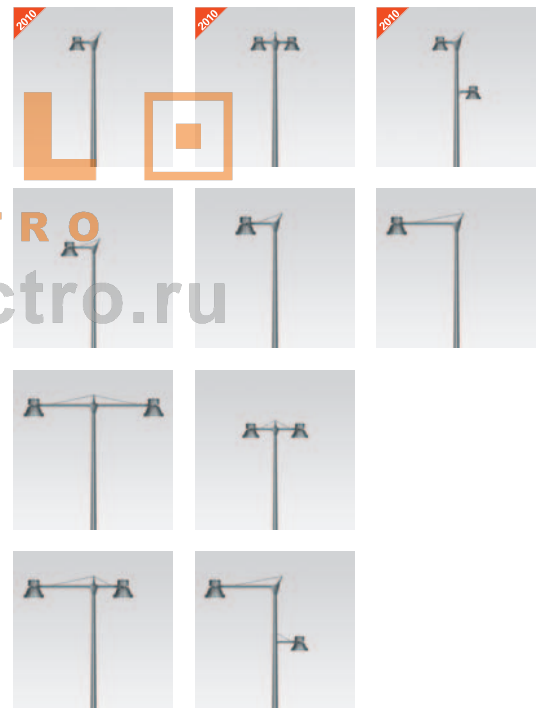


The system is available in three different sizes for the floodlight.

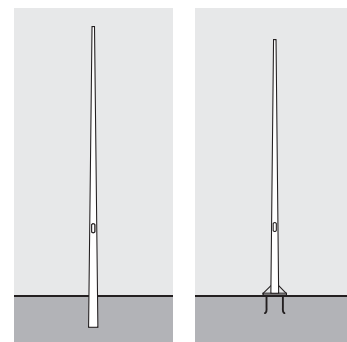


The intermediate arm, thanks to the adjustable angle of the projector, guarantees proper illumination of walkways in proximity to roads.

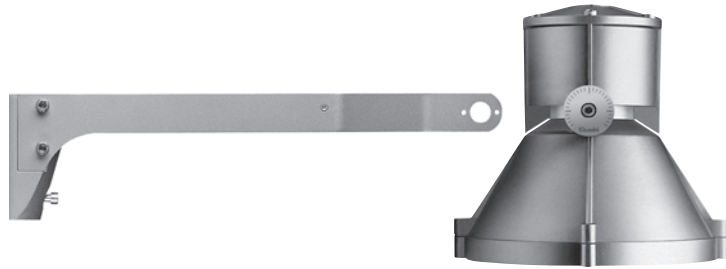
Applications with the various types of arms in single and double versions.



The pole is available in two versions, with fixing plate or for burying.



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Wall mounted installation, thanks to three different available lengths of arm, is the ideal solution in those areas where the use of poles is not possible.

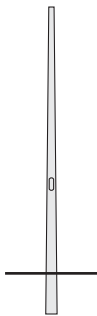


ELECTRO

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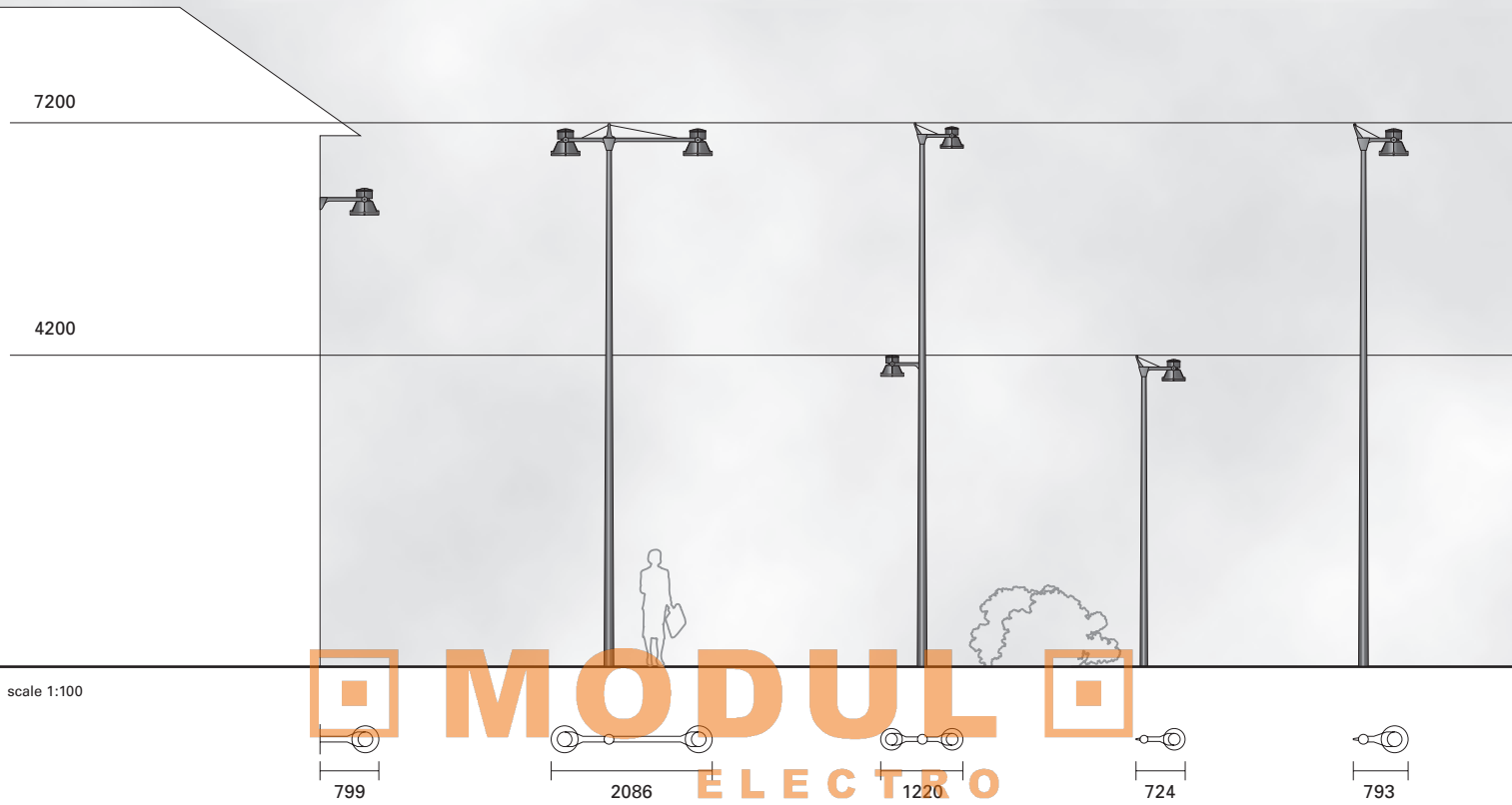


sales order

The commercial order should be completed based on the elements making up the system.





pole	+	arm	+	floodlight
				






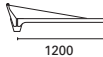
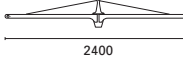
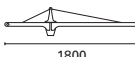

All the combinations illustrated can be obtained by combining the single elements presented in the tables.







scale 1:100

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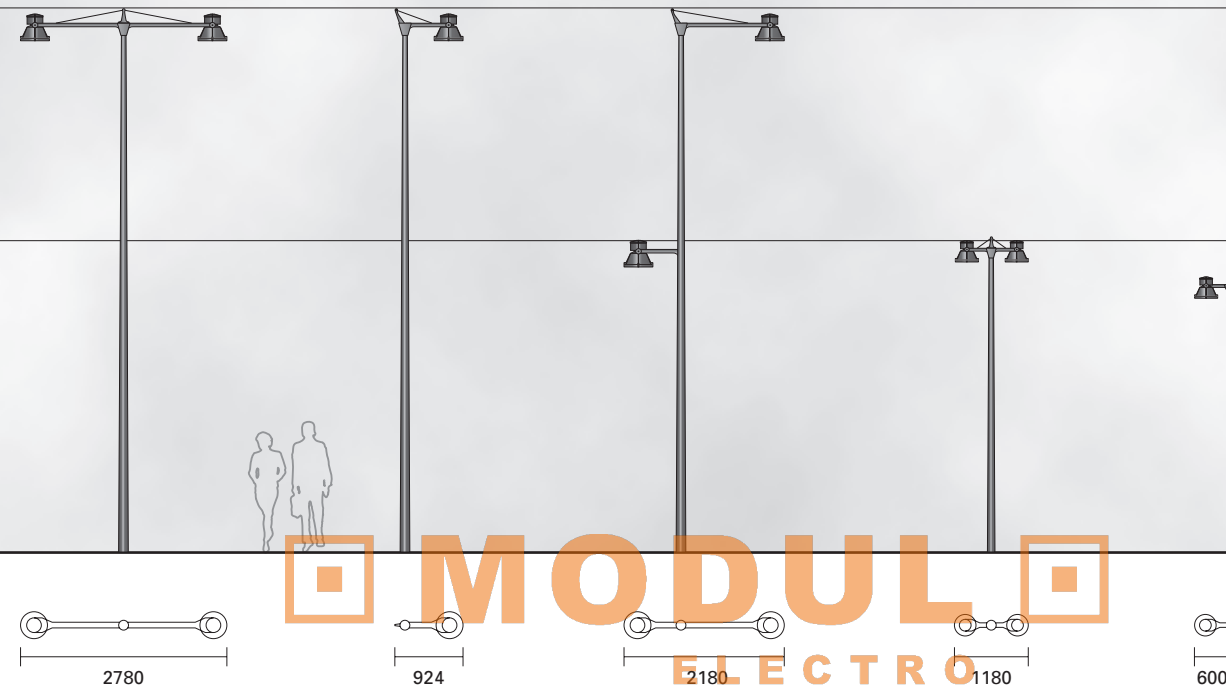
		arms	code
compact body	single	 460	6107
	double	 920	6108
	intermediate	 460	6109
	wall-mounting	 460	6110

		arms	code
small body	single	 500	5981
	double	 1000	5982
	intermediate	 500	5983*
	wall-mounting	 500	5984
medium body	pole 7000	 600	5985
		 1200	5987
		 2400	5989
	wall-mounting	 1800	5990
wall-mounting	 600	5994	

Elliptical light flow refractor 	Coloured filters 
Circular louvre 	Accessory retention cable 

Accessories compatible with CityWoody.
The codes can be found on page 156.

* For **1281-1283** (At a height of 4 m off the ground)



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terminal box			door key	
code	colour	poles*	code	colour
1862**	00	1281	0227	00
		1283		
1864	00	1275		
		1278		

lamp	W	ø pole	W-Saving	
			230 V	220 V
HST-DE	70/150	138	G880	G881
HST	70	138	G880	G881
HSE	70	138	G880	G881

* Inspection lids are of raised type.

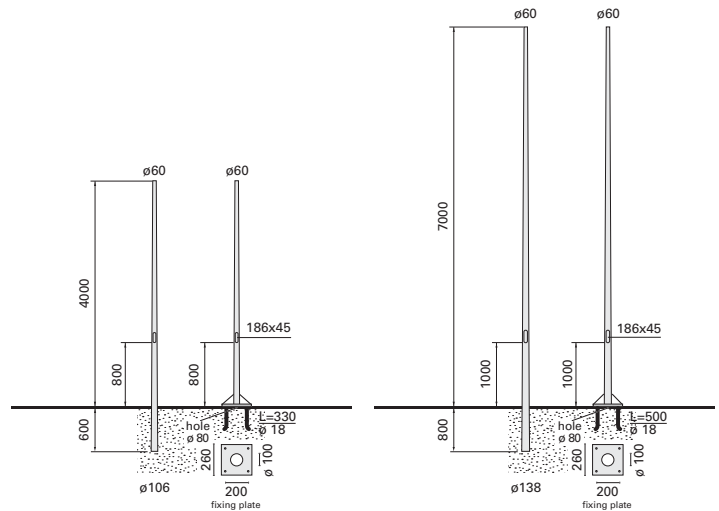
** Terminal block code **1865** can be supplied upon request

The terminal blocks have four polarities with three ways for pole and are fitted for bridge wiring. They are made with class II insulation. Code **1862** is equipped with two fuse holders for dim. 8,5 x 31,5 - 380 V - max 20 A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source.

Code **1865** is equipped with two fuse holders for dim. 8,5 x 31,5 - 380 V - max 20 A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source.

Code **1864** is equipped with two fuse holders for dim. 5x20- 450 V - max 10 A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source.

W-Saving: nominal max power up to 250 W. The components that are necessary for the operation of the fittings must be ordered separately, please refer to the External Lighting System Catalogue



○	code	ø	length	colour
⊥	1275	60-106	4600	15
⊥	1278	60-100	4000	

○	code	ø	length	colour
⊥	1281	60-138	7800	15
⊥	1283	60-130	7000	

base for pole	code	size	colour
	1870		15

base for pole	code	size	colour
	1871		15



Delphi small body
Installation
with double arm



Argo
Installation with
double pole-top

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 Delphi large body
Installation
with pole-top

Cut-Off System

design iGuzzini

iGuzzini



Argo
Installation
with arm

A lighting system for urban areas with last generation technology introduces a new dimension for the Delphi version. Sistema Cut-Off with small body, for wall or pole-mounted installation, has been studied to satisfy the most demanding lighting requirements. Available in Delphi and Argo version, with parallelepiped and hemispherical body, respectively, it can be installed

in pole-top version or with two different types of arm. The large range of high-performing optics, the Bi-Energy innovative technology for adjustment of the light flux and the numerous benefits of the luminaire ensure perfect integration in multiple settings, while guaranteeing very high energy saving and good visual comfort.

MODULE **ELECTRO**

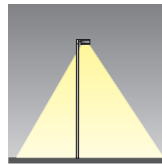
www.modulelectro.ru



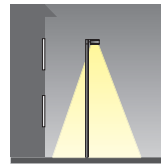
Argo
Installation with
intermediate flange



Bi-Energy
power supply



No upward emission
of light flow



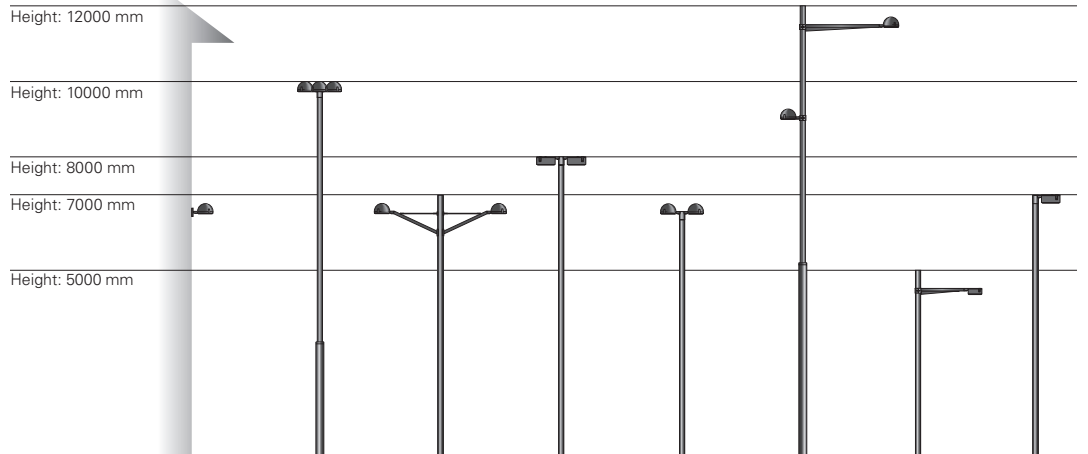
Louvre for reduction
of stray light in front
and back



Anti-vandalism
optical assembly
IK09 with glass
IK10 with
polycarbonate screen



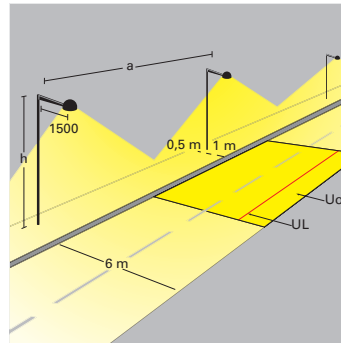
Simplified ordinary
and extraordinary
maintenance



scale 1:200

Road Optic (ST)

Allows for greater centre-to-centre distance between the poles in compliance with the lighting requirements for motor traffic.

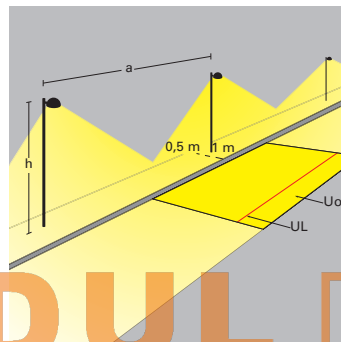


HST 70 W E27					
h	a	U _o	UL	L _{med}	Tl%
6 m	22,2	0,40	0,56	1,10	13

HST 250 W E40					
h	a	U _o	UL	L _{med}	Tl%
10 m	37,00	0,40	0,66	1,48	0,18

Multi-position street optic (ST)

The symmetrical optics are the very best solution for the illumination of large outdoor spaces in compliance with applicable regulations.



CPO-TW 60 W PGZ12					
h	a	U _o	UL	L _{med}	Tl%
6 m	22	0,40	0,68	1	12

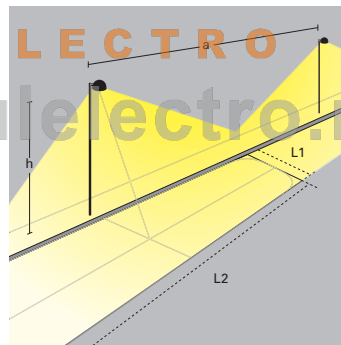
Wide road 6,5m (position 5)

CPO-TW 60 W PGZ12					
h	a	U _o	UL	L _{med}	Tl%
6 m	27	0,43	0,5	1	14

Narrow road 4,5m (position 3)

Cycle lane optic (C)

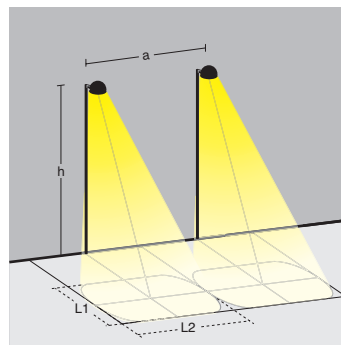
Ideal for lighting bicycle paths and walkways. This optic ensures elevated average lighting values and therefore contributes to bicycle and pedestrian safety. This reflector allows for an elevated spacing between poles, thus obtaining improved energy savings all the while guaranteeing elevated average lighting values in compliance with class S1 of the EN 13201-2 norm.



HST-DE 70 W Rx7s					
h	ill. ab L1xL2	E _{max}	E _{med}	E _{min}	a
5m	3x30m	14,7 lux	5,1 lux		30m

Asymmetrical optic 60° (A)

It is ideal for the illumination of malls, historical town centres, and residential areas. The optic with asymmetric light beam and 60° maximum opening with respect to the vertical axis ensures very high emission also on the longitudinal plane.



HIT-DE 70 W Rx7s					
h	ill. ab L1xL2	E _{max}	E _{med}	E _{min}	a
6 m	12x13 m	23,4 lux	11,4 lux		15 m

HIT-DE 150 W Rx7s					
h	ill. ab L1xL2	E _{max}	E _{med}	E _{min}	a
8 m	16x18 m	27 lux	12,7 lux		21 m

HIT 250 W E40					
h	ill. ab L1xL2	E _{max}	E _{med}	E _{min}	a
10 m	12x20 m	27 lux	18 lux		20 m









U_o= Average uniformity of zone examined
 UL= Longitudinal uniformity
 L_{med}= Average luminance in cd/m²
 h= Installation height
 a= Distance between poles
 Tl= Physiological glare
 E_{med} = average lighting in the area
 E_{max} = max lighting in the area

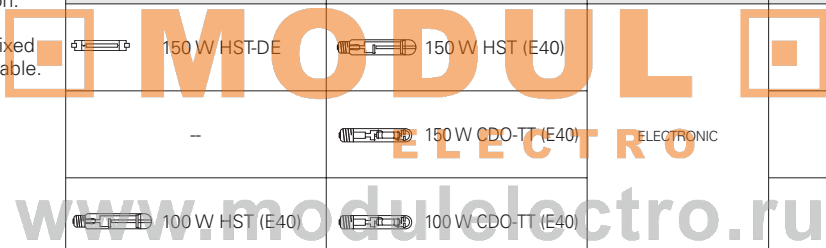
Especially in urban lighting, attention to energy and money saving plays a crucial role today in order to give. The Cut-Off Argo and Delphi system delivers an integrated efficient solution thanks to the introduction of the innovative Bi-energy system that ensures reduction of harmful CO₂ emissions in the atmosphere.

Bi-Energy

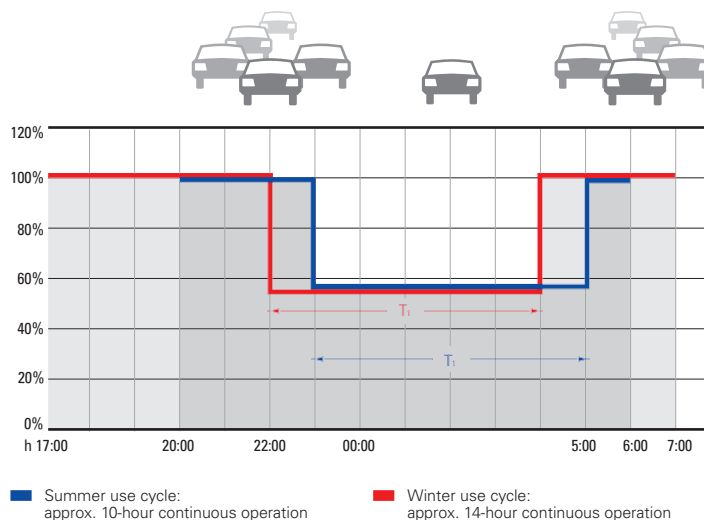
Bi-energy is a system for the adjustment of luminous flux and absorbed power of stand-alone type. The emitted flux can be adjusted by means of an internal device according to traffic data and safety conditions, thus achieving energy and money saving. In fact, the use of Bi-Energy avoids the need for centralised flux adjustment systems or modifications to the existing electrical installation.

The flux is dimmed according to fixed values as shown in the opposite table.

lamp		control gear	use cycle - Bi-Energy	
small body	large body		power	flow
 150 W HST-DE	 150 W HST (E40)	ELECTROMAGNETIC	55%	45%
 100 W HST (E40)	--		65%	55%
 150 W HST-DE	 150 W HST (E40)	ELECTRONIC	60%	50%
--	 150 W CDO-TT (E40)		65%	55%
 100 W HST (E40)	 100 W CDO-TT (E40)		65%	55%



As shown in the table - which considers a winter and a summer operating cycle - the percentage of luminous flux necessary to guarantee the ideal lighting conditions changes according to time of day and traffic conditions of urban areas, with 22% energy saving. The chart refers to 150W CDO-TT E40 light source with electronic control gear.



Advantages

- No investments for centralised installations
- No changes to existing electrical installation
- Energy saving according to traffic flow
- Flexible selection of luminous flux dimming range (T₁)

Cut-Off System can be installed in pole-top position in poles with different heights (from 3500 to 8000 mm) and diameters (60, 76, 102 mm), in individual, double or triple version, with possible insertion of an intermediate flange and wall-mounting installation.



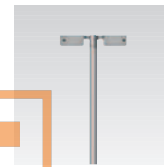
Argo small body



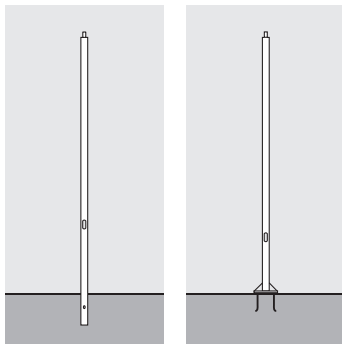
Delphi small body



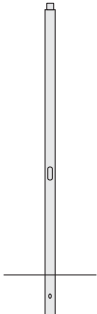


Delphi large body



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The pole is available in two versions, with fixing plate or for burying.

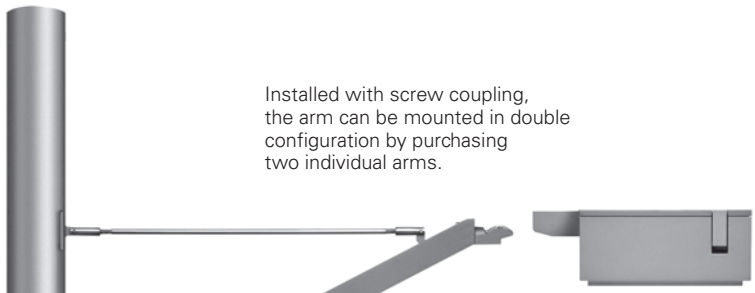
pole	+	pole-top	+	optical assembly
		 ø 60 ø 76 ø 102 ø 120		

The commercial order should be completed based on the elements making up the system.

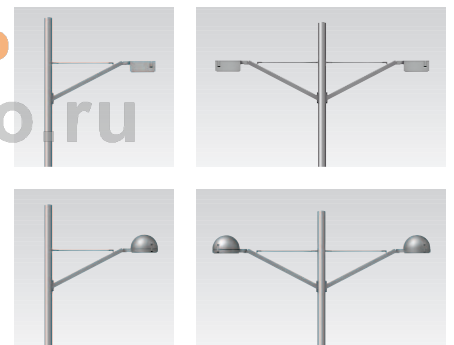
The arms can be installed in pair or individually with flange.



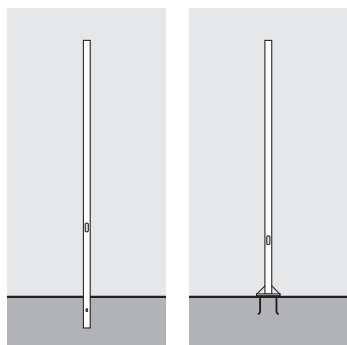
Installed with screw coupling, the arm can be mounted in double configuration by purchasing two individual arms.



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Tilted arms with tie rod can only be used with Argo and Delphi small body.



The pole is available in two versions, with fixing plate or for burying.

pole	+ flange	+ arm	+ optical assembly
	-		

Two arms without flange must be ordered for double compositions.

The saturation of markets, congested with hardly recognizable products, is gradually pushing technological innovation to offer top-quality high-performing products designed not only for "pleasure", but also to simplify and improve our life. In this perspective, Sistema Cut-Off is a state-of-the-art product,

a future-proof lighting system that has been especially designed to guarantee better light and better life quality. The wide array of technical and technological benefits ensures extremely simple installation and maintenance, total safety and high performance, answering at best to the lighting needs of spaces.

Disconnecting switch: power is disconnected when the product is opened. The operator can work in total safety conditions

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Lamp and component-holder plate replacement: the lamp and components are replaced without tools in about 1 minute.

Fuse: in case of short circuit the operation of all the other fittings in the installation is guaranteed



Adjustable optic: the Cosmopolis lamp can be adjusted in 5 positions to optimise the distance and reduce stray light.



Automatic lid lock: the system prevents the product from closing accidentally during maintenance operations.

Anti-vandalism accessory: the polycarbonate accessory (IK10) guarantees the product against vandalism.

Opening without tools: the product is opened with lateral clips in a few seconds without tools.



Adjustability + 15°, -5°



Tool-free optical assembly opening



Automatic door lock



Component-holding plate pulled out with no tools



Disconnecting switch



Fuses on request



Decompression valve



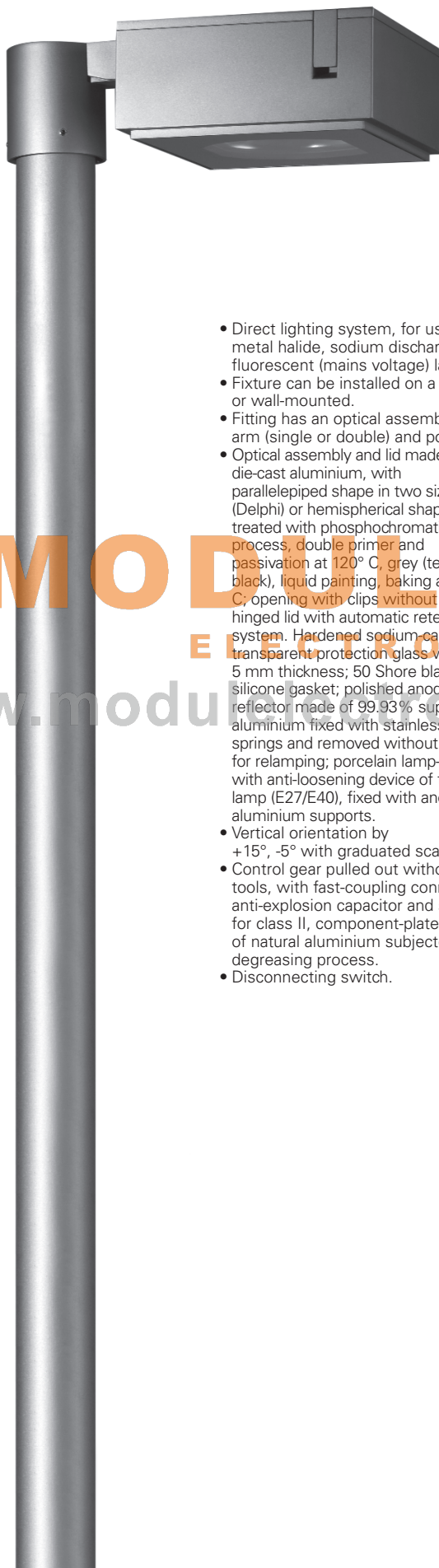
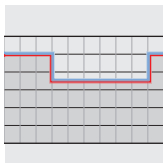
Twilight photocell on request



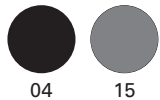
Louver for reduction of stray light in front and back



Power supply Bi-Energy on request



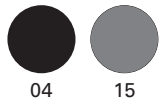
- Direct lighting system, for use with metal halide, sodium discharge and fluorescent (mains voltage) lamps.
- Fixture can be installed on a pole or wall-mounted.
- Fitting has an optical assembly, pole, arm (single or double) and pole-top.
- Optical assembly and lid made of die-cast aluminium, with parallelepiped shape in two sizes (Delphi) or hemispherical shape (Argo) treated with phosphochromatizing process, double primer and passivation at 120° C, grey (texturized black), liquid painting, baking at 150° C; opening with clips without tools, hinged lid with automatic retention system. Hardened sodium-calcium transparent protection glass with 5 mm thickness; 50 Shore black silicone gasket; polished anodized reflector made of 99.93% superpure aluminium fixed with stainless steel springs and removed without tools for relamping; porcelain lamp-holder with anti-loosening device of the lamp (E27/E40), fixed with anodized aluminium supports.
- Vertical orientation by +15°, -5° with graduated scale.
- Control gear pulled out without tools, with fast-coupling connectors, anti-explosion capacitor and spacers for class II, component-plate made of natural aluminium subjected to degreasing process.
- Disconnecting switch.
- Fuse-holder and twilight photocell on request.
- Optical assembly complete with decompression valve for easy opening by eliminating negative pressure inside.
- There is no light dispersion into the upper hemisphere above this luminaire.
- All external screws are stainless steel.
- Bi-energy 100W, 150W HST (electromagnetic/electronic control gear) and HIT (electronic) versions.
- Hot-galvanised steel arms subjected to acrylic liquid paint, installation with flange ø102mm or with screws, 120mm or with screws with 900, 1500mm length.
- Die-cast aluminium pole-top with single and double attachment for poles ø 60, 76, 102, 120mm and triple ø 102, 120mm.
- Intermediate installation with lunge ø 102, 120mm.
- Adjustability of wall-mounted luminaire by +15°, -5°.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP66 IK09 (small body) IK07 (large body) IK10 (with accessory)
- F seal
- ENEC approval
- Class of Insulation II



luminaire	optic	electro-magnetic	electronic	lamp
Delphi small body	ST	BD85	-	50 W HST (E27) 50 W HIT (CDO-TT) (E27)
		BC57	BC71	70 W HST (E27) 70 W HIT (CDO-TT) (E27)
		BC58	BC72	100 W HST (E40) 100 W HIT (CDO-TT) (E40)
		BC60*	BC75	150 W HIT-DE (Rx7s)
			BC76	150 W HST-DE (Rx7s)
		BC61	-	100 W HST (E40) (Bi-Energy)
		BC63	-	150 W HST-DE (Rx7s) (Bi-Energy)
		-	BC56	35 W HIT (G12)
		-	BC59	140 W HIT (CPO-TW) (PGZ12)
		-	BC62	60 W HIT (CPO-TW) (PGZ12)
	C	BC64	-	70 W HIT-DE (Rx7s) 70 W HST-DE (Rx7s)
		BC65	-	70 W HIT-DE (Rx7s) 70 W HST-DE (Rx7s)
		BC66*	BC78	150 W HIT-DE (Rx7s)
	BC79		150 W HST-DE (Rx7s)	
	A 60°	BC68	-	150 W HST-DE (Rx7s) (Bi-Energy)
-		BC67	140 W HIT (CPO-TW) (PGZ12)	
-		BC69	60 W HIT (CPO-TW) (PGZ12)	
F	-	BC70	33 W TC-TEL (E27) (Philips)	

luminaire	optic	electro-magnetic	electronic	lamp
Argo small body	ST	BD86	-	50 W HST (E27) 50 W HIT (CDO-TT) (E27)
		BC82	BC96	70 W HST (E27) 70 W HIT (CDO-TT) (E27)
		BC83	BC97	100 W HST (E40) 100 W HIT (CDO-TT) (E40)
		BC85*	BD00	150 W HIT-DE (Rx7s)
			BD01	150 W HST-DE (Rx7s)
		BC86	-	100 W HST (E40) (Bi-Energy)
		BC88	-	150 W HST-DE (Rx7s) (Bi-Energy)
		-	BC81	35 W HIT (G12)
		-	BC84	140 W HIT (CPO-TW) (PGZ12)
		-	BC87	60 W HIT (CPO-TW) (PGZ12)
	C	BC89	-	70 W HIT-DE (Rx7s) 70 W HST-DE (Rx7s)
		BC90	-	70 W HIT-DE (Rx7s) 70 W HST-DE (Rx7s)
		BC91*	BD03	150 W HIT-DE (Rx7s)
	BD04		150 W HST-DE (Rx7s)	
	A 60°	BC93	-	150 W HST-DE (Rx7s) (Bi-Energy)
-		BC92	140 W HIT (CPO-TW) (PGZ12)	
-		BC94	60 W HIT (CPO-TW) (PGZ12)	
F	-	BC95	33 W TC-TEL (E27) (Philips)	

* Versions HIT-DE/HST-DE
Codes against grey background are available on demand.
All Argo and Delphi versions can be ordered with twilight photocell
(ON: 70 lux; OFF: 35 lux)



luminaire	optic	electro-magnetic	electronic	lamp
Delphi large body 		BF19	-	150 W HST (E40) 150 W HIT (CDO-TT) (E40)
		-	BF77	140 W HIT (CPO-TW) (PGZ12)
		BF20	-	250 W HST (E40) 250 W HIT (CDO-TT) (E40)
		-	BF21	315 W HIT (PGZ18) (CDM-T Elite MW)
		BF22	-	150 W HST (E40) (Bi-Energy)
		BF23	-	150 W HST (E40) 150 W HIT (CDO-TT) (E40)
		-	BF80	140 W HIT (CPO-TW) (PGZ12)
		BF24	-	250 W HST (E40) 250 W HIT (CDO-TT) (E40)
		-	BF25	315 W HIT (PGZ18) (CDM-T Elite MW)
		BF81	-	400 W HST (E40)
		BF26	-	150 W HST (E40) (Bi-Energy)

accessories	small body	large body
Polycarbonate screen IK10 for BC56 - BC57 BC62 - BC64 - BC65 BC69 - BC70 - BD85 colour 24	BZ41 for BC56-BC57 BC62-BC64-BC65 BC69-BC70-BD85	6124
Polycarbonate screen IK10 colour 24	BZ43 for BC81-BC82 BC87-BC89-BC90 BC94-BC95-BD86	-
Louvre to reduce stray light colour 04	BZ40	6129
Louvre to reduce stray light colour 04	BZ42	-

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Codes against grey background are available on demand



Pole-top combinations
All the combinations illustrated can be obtained by combining the single elements presented in the tables.

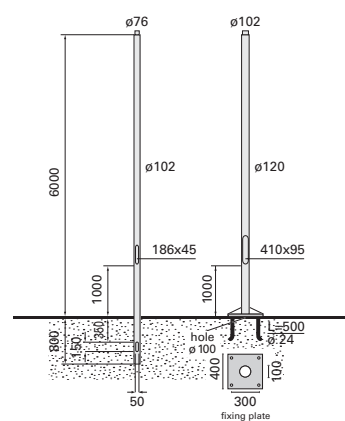
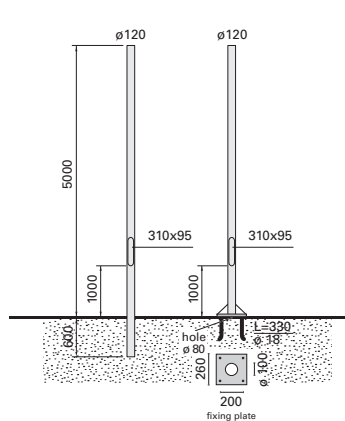
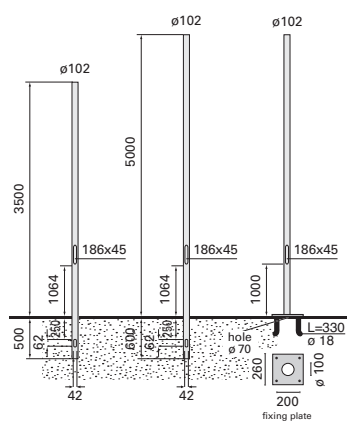
scale 1:120



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pole-top					
single		double		triple	
	\varnothing		\varnothing		\varnothing
code	\varnothing	code	\varnothing	code	\varnothing
BD13	60	BD14	60	BD19	102
BD15	76	BD16	76		
BD17	102	BD18	102		
6120	120	6121	120	6122	120

intermediate flange	wall attachment	lateral attachment	
			\varnothing
code	\varnothing pole	code	code
BD21	102	BD20	BZC9*
6123	120		



\varnothing	code	\varnothing	length	colour
\varnothing	1203**	102	4000	04-15
\varnothing	1205	102	5600	
\varnothing	1344	102	5000	

\varnothing	code	\varnothing	length	colour
\varnothing	1291*	120	5600	04-15
\varnothing	1292*	120	5000	

\varnothing	code	\varnothing	length	colour
\varnothing	1518	102	6800	04-15
\varnothing	1521	120	6000	

* for poles with ending part with diam. from 46 to 76 mm (page 141)

** Not usable with large body

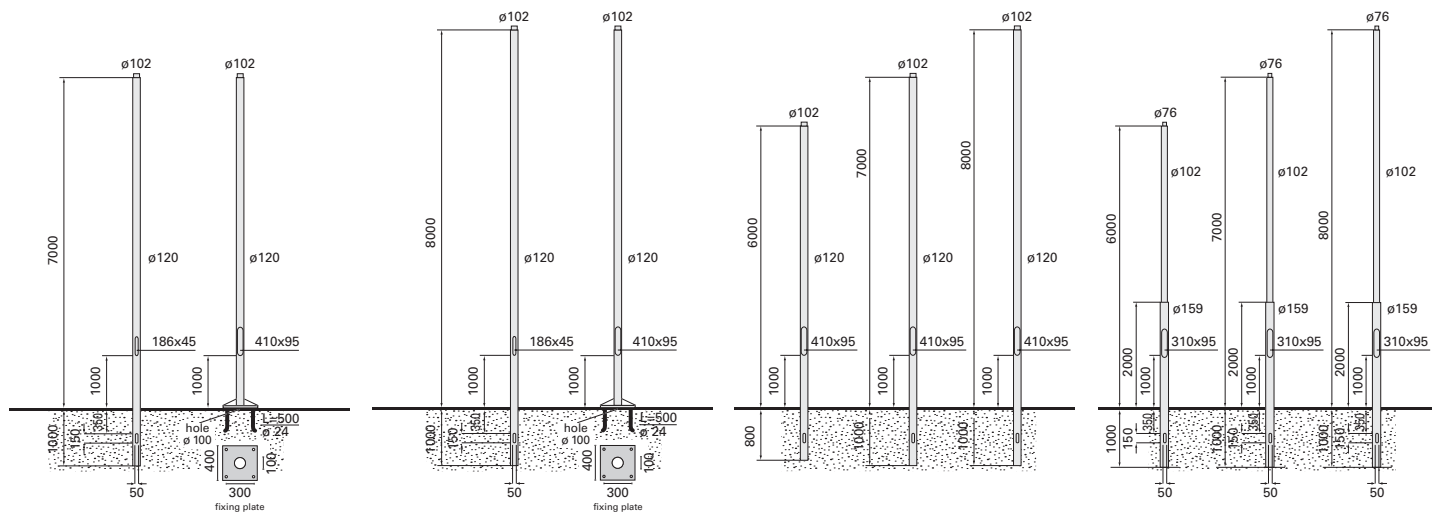
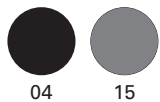
Black colour code 04 supplied on demand

W-Saving: nominal max power up to 250 W. The components that are necessary for the operation of the fittings must be ordered separately, please refer to the External Lighting System Catalogue.

lamp	W	\varnothing pole	W-Saving	
			230 V	220 V
HST	70/100	127	G880	G881
HST	70/100	159	G882	G883
HST-DE	150/250	194	G884	G885

base for poles			
code	size	poles	colour
1841		1292-1521 1522-1523	04-15
1850		1344	

base for poles			
code	size	poles	colour
1843		1547 1548 1554	04-15



○	code	ø	length	colour
↑	1519	120	8000	04-15
↓	1522		7000	

○	code	ø	length	colour
↑	1520	120	9000	04-15
↓	1523		8000	

○	code	ø	length	colour
↑	1524	120	6800	04-15
	1528		8000	
↓	1555		9000	

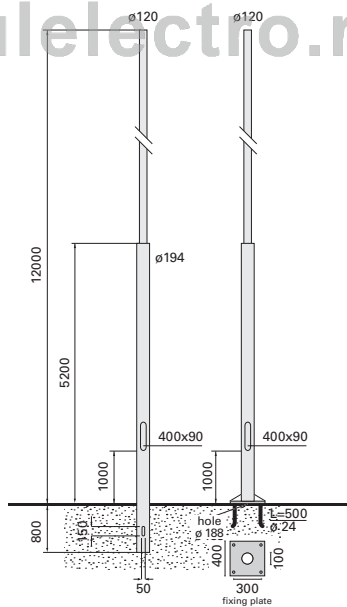
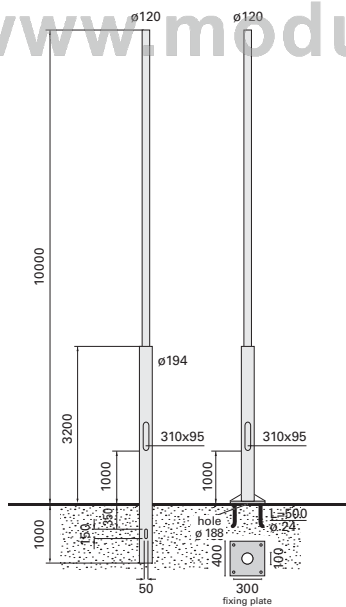
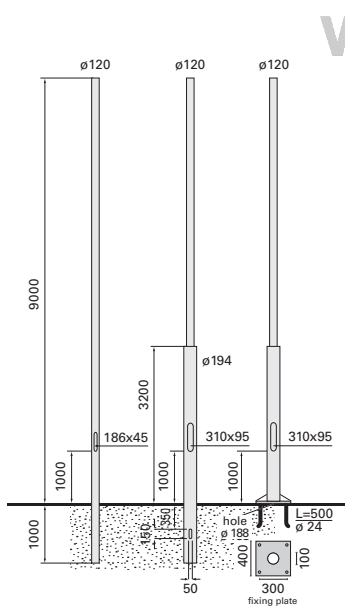
○	code	ø	length	colour
↑	1556	102 159	6800	04-15
	1558		8000	
↓	1559		9000	



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DIN guide for **D** and **CH** - Poles on demand for **D** Marine grade plywood support for terminal board B944. Poles on demand for **GB**

The terminal blocks have four polarities with three ways for pole and are fitted for bridge wiring. They are made with class II insulation Code **1862** is equipped with a fuse holder for dim. 8,5x31,5 - 380 V - max 20 A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source. Code **1863** is equipped with two fuse holders for dim. 10,3x38 - 380 V - max 20A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source. Code **1865** is equipped with two fuse holders for dim. 8,5 x 31,5 - 380 V - max 20 A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source.



○	code	ø	length	colour
↑	1274*	120	10000	04-15
	1545*			
↓	1547*			

○	code	ø	length	colour
↑	1546*	120	11000	04-15
↓	1548*			
		194	10000	

○	code	ø	length	colour
↑	1552*	120	12800	04-15
↓	1554*			
		194	12000	

terminal box			door key	
code	colour	poles	code	colour
1862 1865	00	1203	0227	00
		1205		
		1274		
		1344		
		1518		
		1519		
		1520		
1863	00	1521	0246	00
		1522		
		1523		
		1291		
		1292		
1863 1865	00	1545	0246	00
		1546		
		1547		
		1548		
		1552		
		1554		

* Black colour code 04 supplied on demand

fixing plate with anchoring bolts		
code	poles	colour
1165	1521-1522-1523	00
	1547-1548-1554	
1168	1292	

D - CH	code	h pole (above the ground)
D - CH	B943*	9000 10000
	B972**	9000 10000
GB	B999**	12000

The poles featured in the tables are suitable for fixing on **I, F** and **E**. For other countries, add the specific fixing systems featured in the table.

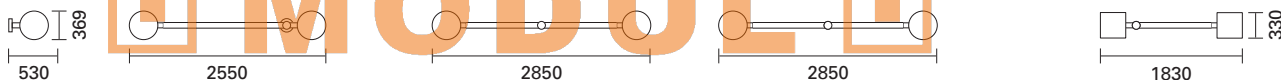
* DIN guide for **D** and **CH**
** Marine grade plywood support for terminal board for **GB**

Poles with plate are suitable for the **F** and **E** markets

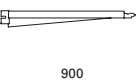
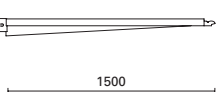



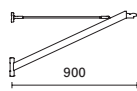
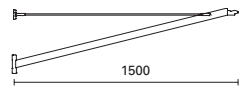
Arm combinations
All the combinations illustrated can be obtained by combining the single elements presented in the tables.

scale 1:120



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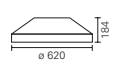
arm	code ø 102	code ø 120
 900	BZ44	6130
 1500	BZ45	6131
 flange for single arm fixing	BZ46	6132

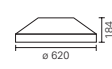
tilted arm with tie rod	code ø 102
 900	BZ48
 1500	6134

Arms code **BZ48** and **6134** can be used only with Argo and Delphi small body.

W-Saving: nominal max power up to 250W. The components that are necessary for the operation of the fittings must be ordered separately, please refer to the External Lighting System Catalogue.

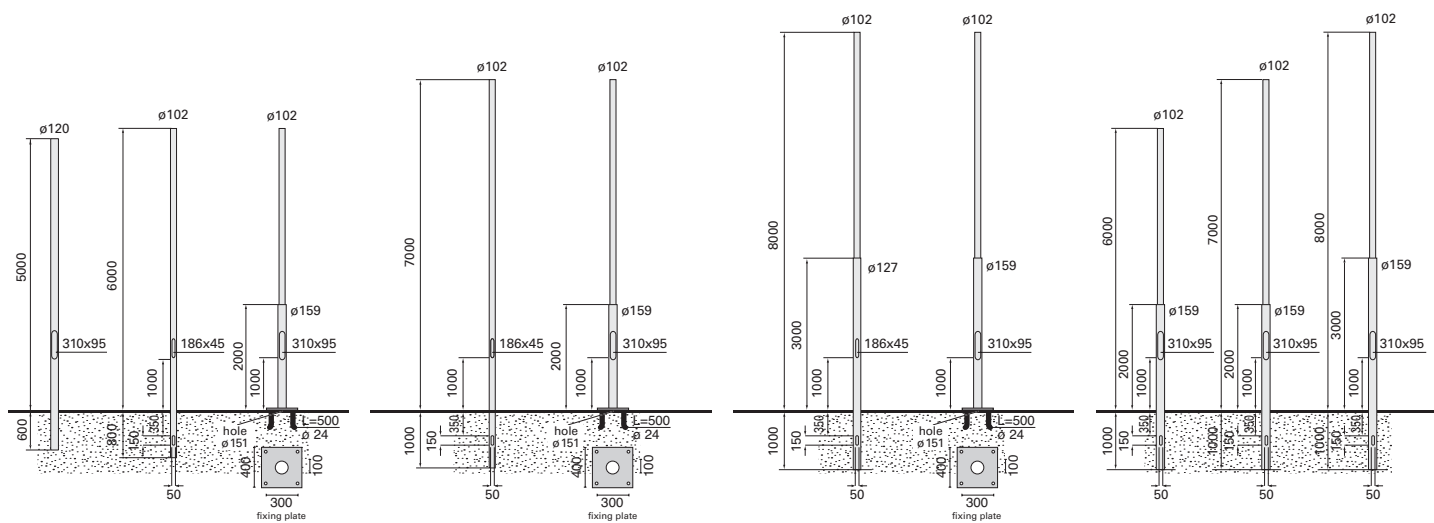
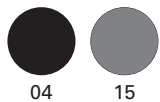
lamp	W	ø pole	W-Saving	
			230 V	220 V
HST	70/100	127	G880	G881
HST	70/100	159	G882	G883
HST-DE	150/250	194	G884	G885

base for poles			
code	size	poles	colour
1842		1597 1598 1599	15

base for poles			
code	size	poles	colour
1843		1547 1548 1554	15

design iGuzzini

iGuzzini



○	code	ø	length	colour
+	1291*	120	5600	04-15
+	1542	102	6800	
+	1597	102	6000	

○	code	ø	length	colour
+	1543	102	8000	04-15
+	1598	102	7000	

○	code	ø	length	colour
+	1544	102 127	9000	04-15
+	1599	102 159	8000	

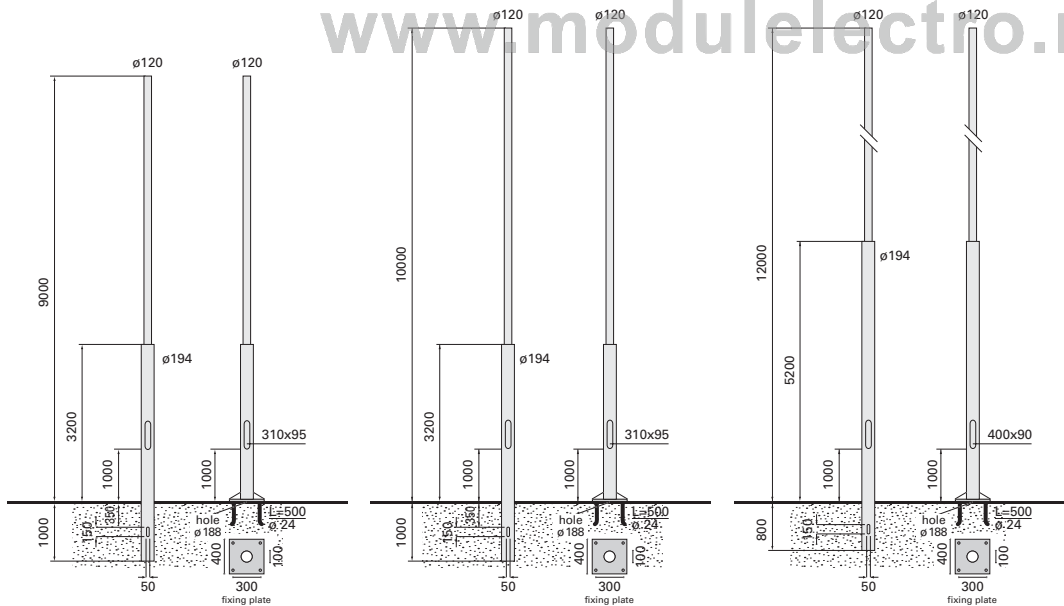
○	code	ø	length	colour
+	1561	102 159	6800	04-15
+	1562		8000	
+	1565		9000	

* Black colour code 04 supplied on demand

On demand for **E** and **D**



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○	code	ø	length	colour
+	1545	120	10000	15
+	1547	194	9000	

○	code	ø	length	colour
+	1546	120	11000	15
+	1548	194	10000	

○	code	ø	length	colour
+	1552	120	12800	15
+	1554	194	12000	

The terminal blocks have four polarities with three ways for pole and are fitted for bridge wiring. They are made with class II insulation Code **1862** is equipped with a fuse holder for dim. 8,5x31,5 - 380 V - max 20 A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source. Code **1863** is equipped with two fuse holders for dim. 10,3x38 - 380 V - max 20 A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source. Code **1865** is equipped with two fuse holders for dim. 8,5 x 31,5 - 380 V - max 20 A. Suitable for power cables with cross-section 16 mm² on input and 2.5 mm² on output to hook up with the light source.

terminal box			door key	
code	colour	poles	code	colour
1862 1865	00	1542	0227	00
		1543		
		1544		
		1597		
		1598 1599		
1863	00	1291	0246	00
		1597		
		1598		
		1599		
1863 1865	00	1545	0246	00
		1546		
		1547		
		1548		
		1552 1554		

fixing plate with anchoring bolts		
code	poles	colour
1165	1597-1598 1599-1547 1548-1554	00

D - CH	code	h pole (above the ground)
D - CH	B943*	9000 10000
	B972**	9000 10000
GB	B999**	12000

The poles featured in the tables are suitable for fixing on **I, F** and **E**. For other countries, add the specific fixing systems featured in the table.

* DIN guide for **D** and **CH**
** Marine grade plywood support for terminal board for **GB**

Poles with plate are suitable for the **F** and **E** markets



- Made of EN10025-S235JR (codes 1518-1519-1521-1524-1556-1558-1559) or EN10025-S355JR (codes 1520-1522-1523-1528-1555), 70 micron hot galvanized steel as UNI EN ISO 146 (EN40-5).
- Powder-coating paint surface finish.
- Cylindrical shape with $\varnothing 102$ mm and end part with $\varnothing 76$ (code 1518); cylindrical shape with $\varnothing 120$ mm with end part with $\varnothing 102$ mm (codes 1519-1520-1521-1522-1523-1524-1528-1555); made of two soldered cylindrical sections with $\varnothing 159-102$ mm with end part with $\varnothing 76$ mm (codes 1556-1558-1559).
- 3 mm thickness (poles 1523-1555 with 4 mm thickness).
- Cable access slot 150x50 mm.
- Anchoring plate made of 70 micron hot galvanized steel, with 4 slots.
- Plate and fixing bolts (to be ordered separately).
- Raised inspection lid IP54 and 186x45 mm dimensions (1518/1519/1520), flush lid with IP44 410x95 mm (1521/1522/1523/1524/1528/1555), flush lid with IP44 310x95 mm dimensions (1556/1558/1559), all made of die-cast aluminium with seal gasket.
- 4-pole terminal block with three connections for each pole and single or double integrated fuse; designed for 16mm² feed cables and 2,5mm² exit cables.
- Versions (codes 1521-1522-1523), with plate are suitable for Italian, French, Spanish, German and German/Swiss terminal blocks (with DIN bar to be ordered separately); poles with codes 1524-1528-1555 suitable for German/Swiss terminal blocks (with DIN bar to be ordered separately); poles with codes 1556-1558-1559 suitable for English terminal blocks (with wooden adapter to be ordered separately).
- External (codes 1518-1519-1520) or internal (all other codes) earthing system with cable lug, steel insert and stainless steel screw.
- Terminal block: IP43 IK08 (1862-1865), Terminal block: IP44 IK08 (1863).
- For the technical specifications of poles 1203-1205-1344 please refer to the External Lighting System Catalogue 2009-2010.

Available in buried versions or with plate with following heights:

6 m, 7 m, 8 m, 9 m, 10 m e 12 m.

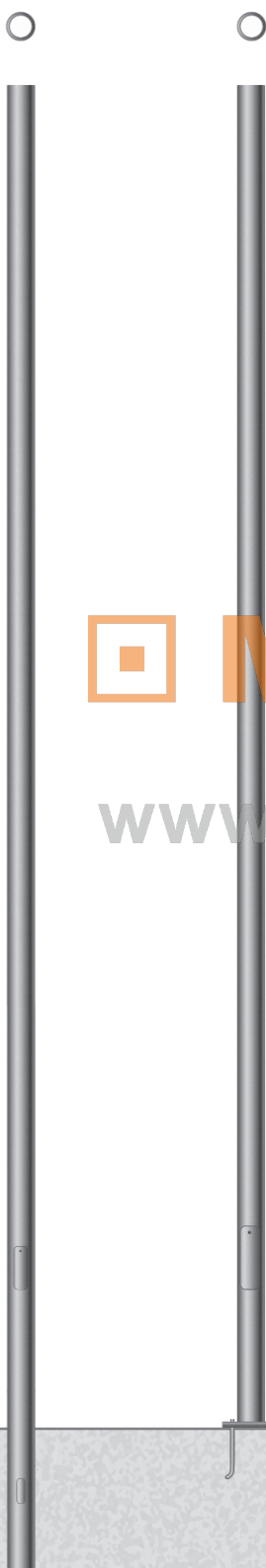
- Made of EN10025-S235JR (codes 1542-1543-1597-1598-1599) or EN10025-S355JR (codes 1544-1545-1546-1547-1548-1552-1554), 70 micron hot galvanized steel as UNI EN ISO 1461 (EN 40-5).
- Powder-coating paint surface finish.
- Cylindrical shape with $\varnothing 102$ mm (codes 1542-1543); composed of two soldered cylindrical sections with $\varnothing 127-102$ mm (code 1544); made of two soldered cylindrical sections with $\varnothing 159-102$ mm (codes 1597-1598-1599), made of two soldered cylindrical sections with $\varnothing 194-120$ mm (codes 1545-1546-1547-1548-1552-1554).
- The upper part of the pole is provided with four through holes and stainless steel threaded inserts for tie rod fixing.
- 3-4 mm thickness.
- Cable access slot 150x50 mm.
- Anchoring plate made of 70 micron hot galvanized steel, with 4 slots.
- Plate and fixing bolts (to be ordered separately).
- Flush inspection lid 310x95 mm (for poles with codes 1545-1546-1547-1548-1552-1554-1597-1598-1599) or raised inspection lid 186x45 mm (for poles with codes 1542-1543-1544) made of cast aluminium with seal gasket.
- 4-pole terminal block with three connections for each pole and single or double integrated fuse; designed for 16mm² feed cables and 2,5mm² exit cables.
- Versions with h=9/10/12 m and 6/7/8 with plate are suitable for Italian, French, Spanish and English terminal blocks (with wooden adapter to be ordered separately) and German/Swiss (with DIN bar to be ordered separately).
- Internal earthing system (for poles with h=9/10/12 m) or external earthing system (for poles with h=6/7/8 m) with earthing lug, steel insert and stainless steel screw.
- Inspection lid: IP44 (for poles with h=9/10/12 m and 6/7/8 with plate), IP54 IK10 (for poles with h=6/7/8 m).
- Terminal block: IP44 IK08 (for poles with h=9/10/12 m), IP43 IK08 (for poles with h=6/7/8 m).

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Customised poles
for each European
market



- Made of EN10025-S235JR (codes 1542-1597-1598-1561-1562-1565) or EN10025-S355JR (codes 1543-1544), 70 micron hot galvanized steel as UNI EN ISO 1461 (EN40-5).
 - Powder-coating paint surface finish.
 - The pole has a cylindrical cross-section with a 102mm diameter (1542-1543); it is either formed with two cylindrical joints with 127mm and 102mm cross sections, welded together (1544) or it is formed with two cylindrical joints with 1159mm and 102mm cross sections (codes 1597-1598-1599-1561-1562-1565).
 - The upper part of the pole is provided with six through holes and stainless steel threaded inserts for arm fixing with tie rod.
 - 4 mm thick (1542/1543/1544/1599/1565); 3 mm thick (1597/1598/1561/1562).
 - Cable access slot 150x50 mm.
 - Anchoring plate is made of 70 micron hot galvanized steel, and has 4 slots.
 - Anchor bolts and plate (to be ordered separately).
 - Raised inspection lid IP54 186x45 mm (codes 1542-1543-1544) or flush inspection IP44 310x95 mm (1597-1598-1599-1561-1562-1565)
 - 4-pole terminal block with three connections for each pole and single or double integrated fuse, designed for 16mm² feed cables and 2,5mm² exit cables.
 - Poles (1597-1598-1599) suitable for Italian, French and Spanish terminal blocks, poles (1561-1562-1565) suitable for German/Swiss and English terminal blocks (with wooden adapter and DIN bar to be ordered separately); poles (1542-1543-1544) suitable for Italian terminal blocks.
 - Internal grounding system (1597-1598-1599-1561-1562-1565) or external grounding system (1542-1543-1544) with grounding lug, steel insert, and stainless steel screw.
 - Terminal block: IP43 IK08 (1862/1865), Terminal block: IP44 IK08 (1863).
- Available in buried versions or with plate with following heights: 9 m, 10 m e 12m.
- Made of EN10025-S355JR (codes 1545-1546-1547-1548-1552-1554), 70 micron hot galvanized steel as UNI EN ISO 1461 (EN 40-5).
 - Powder-coating paint surface finish.
 - Made of two cylindrical sections with ø194-120 mm (codes 1545-1546-1547-1548-1552-1554).
 - The upper part of the pole is provided with six through holes and stainless steel threaded inserts for arm fixing with tie rod.
 - 3-4 mm thickness.
 - 150x50 mm slot for cable entrance.
 - Anchoring plate made of hot galvanized steel with 70 micron thickness, with 4 slots.
 - Anchoring plate and bolts (to be ordered separately).
 - Flush inspection lid 310x95 mm (for poles with codes 1545-1546-1547-1548-1597-1598-1599) and flush inspection lid 400x90 mm (1552-1554) made of cast aluminium with seal gasket.
 - 4-pole terminal block with three connections for each pole and single or double integrated fuse; designed for 16mm² feed cables and 2,5mm² exit cables.
 - Versions with h=9/10/12 m with plate are suitable for Italian, French, Spanish and English terminal blocks (with wooden adapter to be ordered separately) and German/Swiss (with DIN bar to be ordered separately).
 - Internal earthing system (for poles h=9/10/12 m) with earthing lug, steel insert and stainless steel screw.
 - Inspection lid: IP44 (for poles with=9/10/12 m).
 - Terminal block: IP44 IK08 (for poles with=9/10/12 m).

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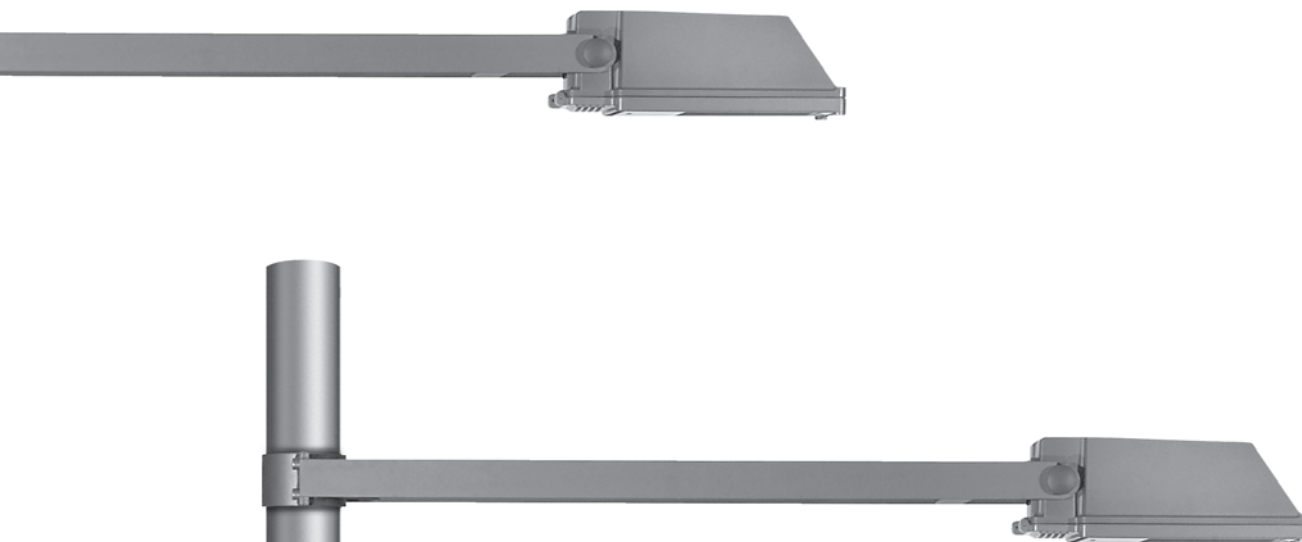


Customised poles
for each European
market



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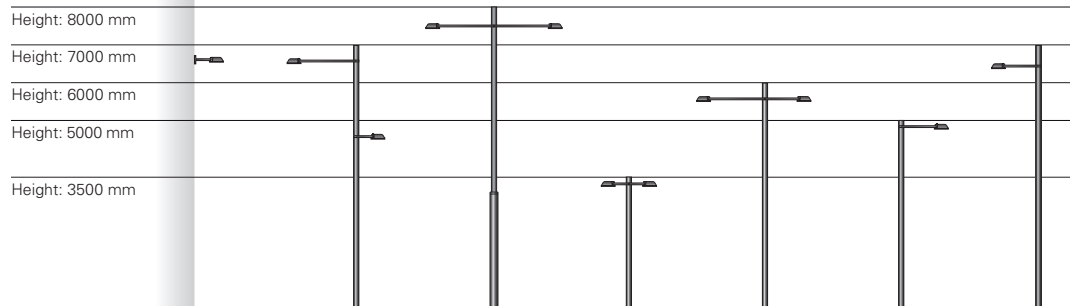
MODULO

ELECTRO

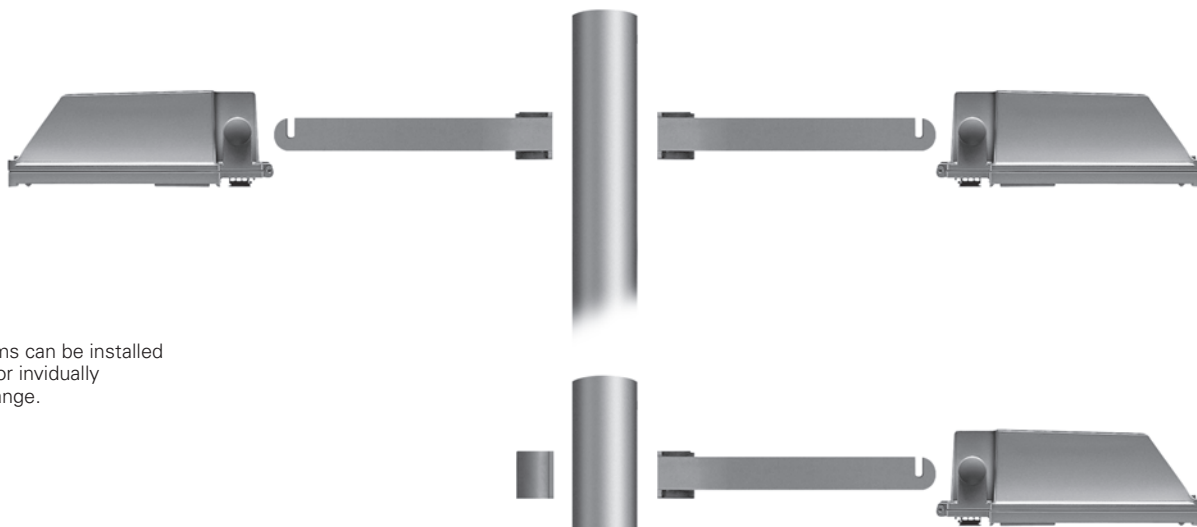
The project of the new Platea arm is the result of iGuzzini's effort to satisfy the requests of architects and designers through the creation of personalised, carefully studied lighting solutions. Designed together with and for architect **Rafael de Caceres** and designer **Antoni Rosellò**, the new Platea arm has been developed to meet a precise need of the new Tram Met trolley stops in Barcelona. Available in various lengths, the new arm can be installed in single or double configuration in cylindrical poles with 102 mm diameter, as well as in wall-mounted version.

Characterised by a linear, clean shape for easy integration in the complexity of urban areas, the project has been conceived in modular configuration to give an effective answer to the different needs of each stop.

Platea System 102 ensures total flexibility and adaptability, taking full advantage of the benefits and potential of the well-known Sistema Platea: high-performing optics, last-generation light sources and poles with different heights.



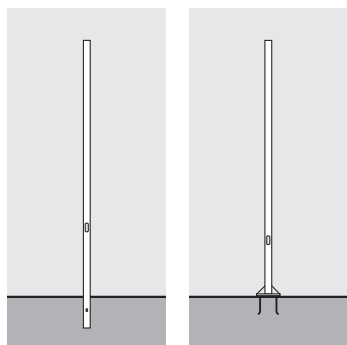
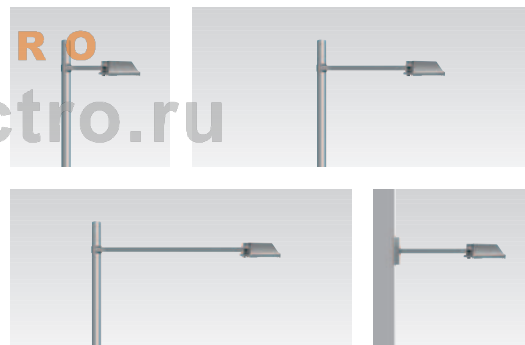
scale 1:200



The arms can be installed in pair or individually with flange.

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The arms are available in three lengths and in wall-mounted version



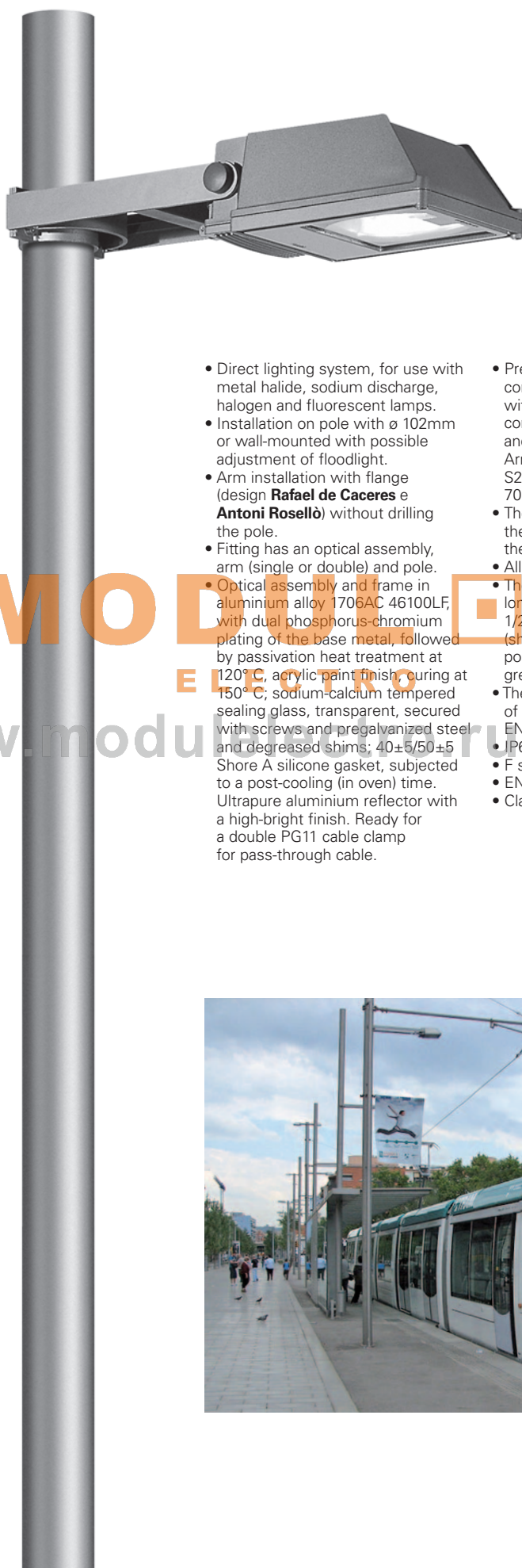
The pole is available in two versions, with fixing plate or for burying.

sales order

The commercial order should be completed based on the elements making up the system.

pole	+ flange	+ arm	+ optical assembly

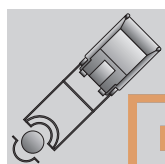
Two arms without flange must be ordered for double compositions.



Adjustability



Installation with flange without drilling the pole



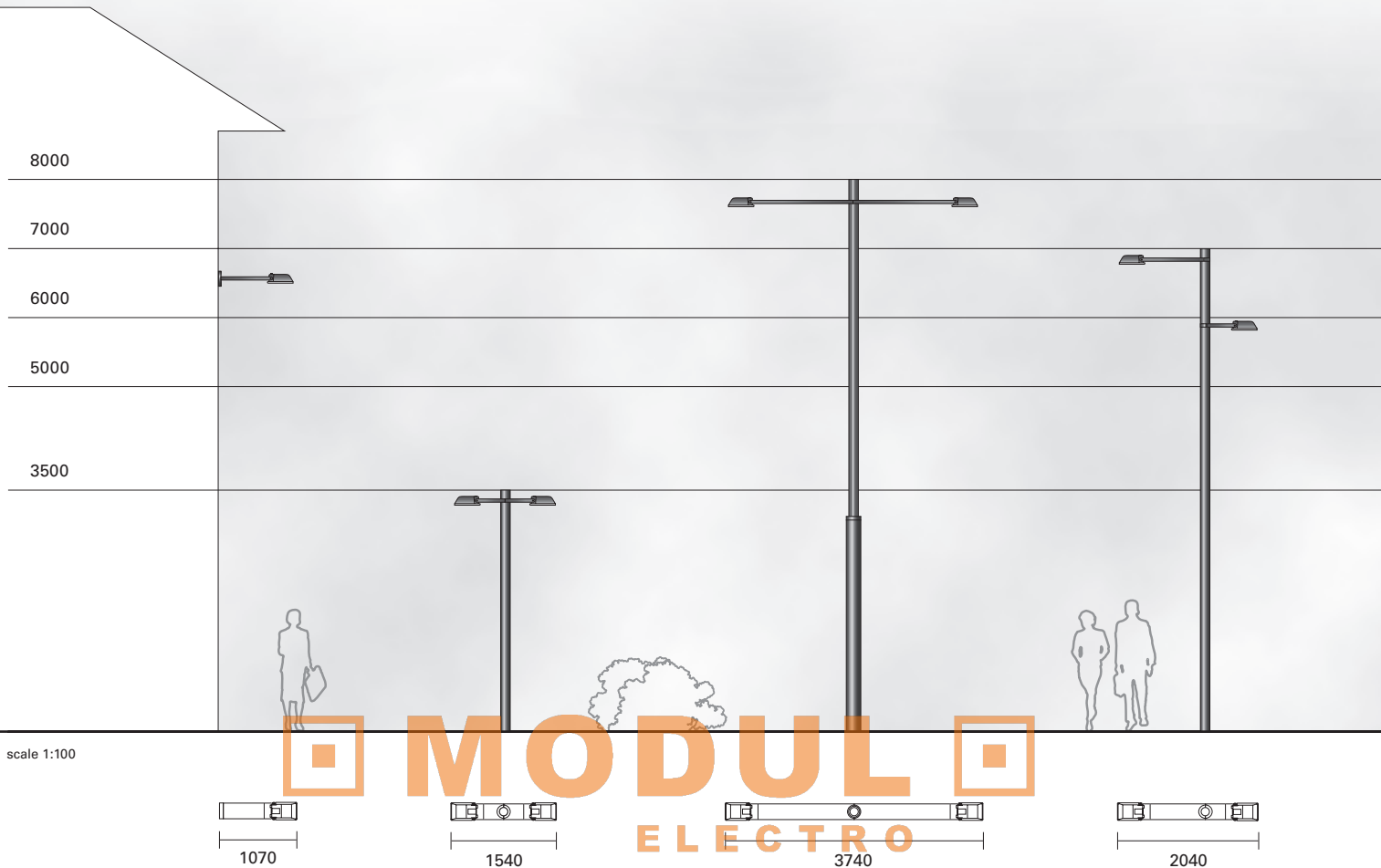
- Direct lighting system, for use with metal halide, sodium discharge, halogen and fluorescent lamps.
- Installation on pole with \varnothing 102mm or wall-mounted with possible adjustment of floodlight.
- Arm installation with flange (design **Rafael de Caceres e Antoni Rosellò**) without drilling the pole.
- Fitting has an optical assembly, arm (single or double) and pole.
- Optical assembly and frame in aluminium alloy 1706AC 46100LF, with dual phosphorus-chromium plating of the base metal, followed by passivation heat treatment at 120° C, acrylic paint finish, curing at 150° C; sodium-calcium tempered sealing glass, transparent, secured with screws and pregalvanized steel and degreased shims; $40 \pm 5/50 \pm 5$ Shore A silicone gasket, subjected to a post-cooling (in oven) time. Ultrapure aluminium reflector with a high-bright finish. Ready for a double PG11 cable clamp for pass-through cable.
- Pre-galvanized steel degreased control gear plate. Power supply with non-explosive power factor correction capacitor, ballast, starter, and quick-connecting terminals. Arm and wall-luminaire made of S235JR UNI 10025 hot galvanized 70 micron painted steel.
- There is no light dispersed into the upper hemisphere above the system.
- All screws are A2 stainless steel.
- The arm is made of steel (for the long arm) or 99,5 % UNI 9001/2 H24 1/2 raw pure painted aluminium (short arm). It is secured to the pole with an attachment in die-cast grey-painted aluminium.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP66 IK08
- F seal
- ENEC approval
- Class of Insulation II

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Photo: José Hevia
Barcelona - Spain: Tram station



scale 1:100

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The system is compatible with Platea LED floodlights presented in External lighting systems catalogue

floodlight	code	lamp	colour	optic	code	lamp	colour	optic
	7376	2x26 W Gx24d-3 TC-T	15	F	7387	70 W G12 HIT	15	L
	7377	70 W Rx7s HST-DE	15	A	7388	150 W G12 HIT	15	L
		70 W Rx7s HIT-DE			7396	70 W Rx7s HIT-DE	15	AL
	7378	150 W Rx7s HIT-DE	15	A	7397	150 W Rx7s HIT-DE	15	AL
		150 W Rx7s HST-DE			7369	250 W Fc2 HIT-DE	15	AL
	7395	250 W Fc2 HIT-DE	15	A	7399	150 W G12 HIT	15	LL
	7393	300 W R7s QT-DE12	15	A	BC45	36X1 W LED COOL WHITE	15	ALo
		70 W Rx7s HIT-DE			BA46	36X1 W LED WARM WHITE	15	ALo
	7379	70 W Rx7s HST-DE	15	F	7444	70 W G12 HIT	15	ST
		70 W Rx7s HST-DE			7445	150 W G12 HIT	15	ST
	7394	250 W Fc2 HIT-DE	15	F	7698	70 W Rx7s HIT/HST-DE	15	ST
	7380	150 W Rx7s HIT-DE	15	F	7699	150 W Rx7s HIT/HST-DE	15	ST
150 W Rx7s HST-DE		7499			250 W G12 HIT	15	ST	
7392	300 W R7s QT-DE12	15	F					

baffle		wall washer	
code	colour	code	colour
1177	04	1176	04

lamp	W	ø pole	W-Saving	
			230 V	220 V
HST-DE	70/150	127	G880	G881
		158	G882	G883
HST	100	138	G880	G881
		158	G882	G883
HSE	70	138	G880	G881
		158	G882	G883

Only for 8000 mm pole

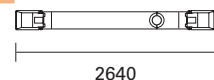
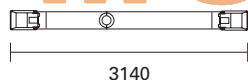
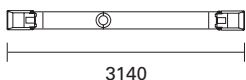
Codes against grey background are available on demand

single arm*	L=400mm		L=900mm		L=1500mm	
	code	colour	code	colour	code	colour
BZ92	15	BZ93	15	BZ94	15	

arm wall luminaire*	L=700mm	
	code	colour
BZ96	15	

flange for single arm*		
	code	colour
BZ95	15	

* design De Caceres and Antoni Roselló



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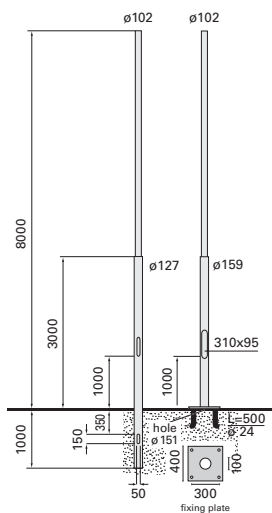
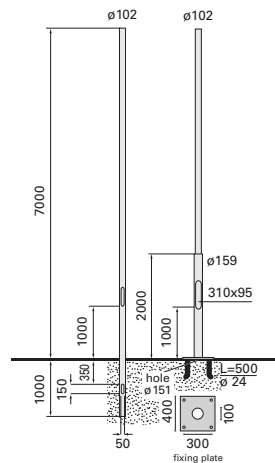
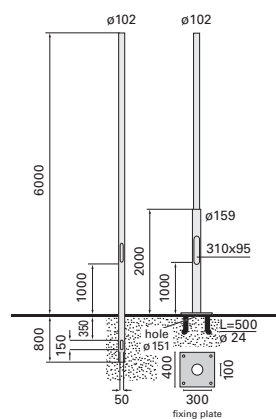
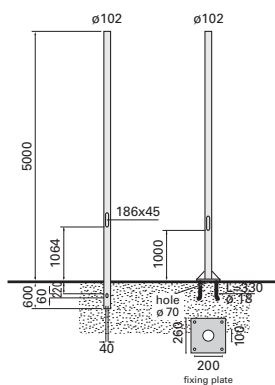
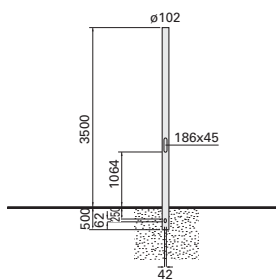
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accessories for European poles		
code	h pole	
D-CH	B943*	6000
		7000
		8000
GB	B972**	6000
		7000
		8000

The poles featured in the tables are suitable for fixing on **I, F and E**. For other countries, add the specific fixing systems featured in the table

* DIN guide for **D** and **CH**

** Marine grade plywood support for terminal board for **GB**



code	ø	length	colour
1203	102	4000	15

code	ø	length	colour
1205	102	5600	15
1344	194	5000	15

code	ø	length	colour
1542	102	6800	15
1597	102	6000	15

code	ø	length	colour
1543	102	8000	15
1598	102	7000	15

code	ø	length	colour
1544	102	9000	15
1599	127	8000	15

code	size	colour
1850	122 ø 420	15

code	size	colour
1850	122 ø 420	15

code	size	colour
1842	184 ø 620	15

code	size	colour
1842	184 ø 620	15

code	size	colour
1842	184 ø 620	15

terminal box			door key	
code	poles	colour	code	colour
1862	1203-1205		0227	00
1865	1344-1542	00		
	1543-1544			
1863	1957-1598-1599	00	0246	00

The terminal blocks have four polarities with three ways for pole and are fitted for bridge wiring. They are made with class II insulation

code	colour	poles
1165	00	1597

code	colour	poles
1165	00	1598

code	colour	poles
1165	00	1599

Large body
192x192x200 mm



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A new line of spotlights developed as a discreet, yet flexible answer to multiple lighting needs in urban architecture and residential areas. iPro is available in three sizes (small, medium and large body) and is characterised by a compact, essential design that has been especially studied to simplify installation and maintenance operations with minimum visual impact. Invisible gaskets, flush protection glass, pull-out component-plate, simplified opening with captive screws of lid and front frame,

and hidden adjustable bracket are just a few of the many pluses of this line. The wide selection of accessories, which includes spill rings for all the optics, and the practical adjustability of the body convert iPro in a highly flexible product able to guarantee high performance with maximum visual comfort. The use of the innovative Power LED technology, available for the small and medium body, in warm white and neutral white colour temperatures, creates suggestive atmospheres, delivering excellent light output and high energy saving.



Spill-ring for visual comfort



High-performing optics



Small body
132x132x140 mm

Medium body
155x155x165 mm



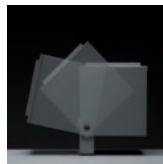
Low maintenance
(long life of LED)
for LED version



LED neutral white
(4200K)



LED warm white
(3100K)



Adjustability
(+95° / -5°) with
hidden bracket



Modularity
of accessories



Flush glass
(no water stagnation)



Spike
(small body)



Pole installation
large body



The iPro system boasts a large selection of accessories to ensure flexible lighting and meet the lighting and safety requirements of application settings at best. The chromatic filters, the glass diffusers and refractors, and the cylindrical screen for better definition and focusing of light cone, the flaps, visors and lamellar louvers ensure extreme adaptability to lighting schemes, while the practical grid for glass protection guarantees total safety against vandalism.



Visor
Prismatic glass diffuser
Coloured filters

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Flaps
Lamellar louvre for AT optic



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In addition to the rich collection of optics, iGuzzini has developed a wide range of anti-glare spill rings for maximum visual comfort in all settings. The spill rings have been carefully studied for the different bodies of the products and for each type of optic available: super spot, spot, flood, asymmetrical longitudinal and asymmetrical transversal. The luminous effects created by the multiple light cones allow for illuminating spaces at best, increasing the cut-off angle and avoiding unpleasant glare.

Cut-off angles with and without spill ring

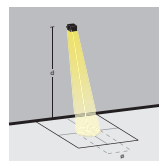
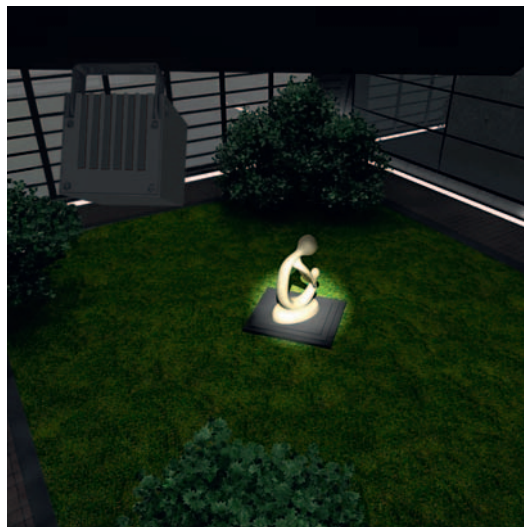
Spill ring				
Optic	Super Spot - Spot	Flood	Asymmetrical longitudinal	Asymmetrical transversal
α Cut-off				
Small body	α 60° (α 30°)	α 60° (α 38°)	-	-
Medium body	α 60° (α 40°)	α 60° (α 40°)	α 60° Long. lamp. (α 36°) α 60° Transv. lamp. (α 32°)	-
Large body	α 45° (α 30°)	α 45° (α 30°)	α 60° Long. lamp. (α 30°) α 60° Transv. lamp. (α 28°)	α 45° Long. lamp. (α 27°) α 45° Transv. lamp. (α 18°)

The large body with 150W HIT code BD59 and BD61 cannot use the spill ring in downlight position.

Data (α) in parenthesis refers to fitting without spill ring

Superspot Optic (SS)

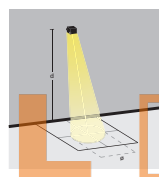
A very narrow, exact light beam highlights architectural details with small dimensions from very large distances, including from one building to another.



HIT 70 W G12			
d	ill. ab. ø	E _{max}	E _{med}
20 m	2 m	251 lux	177 lux
35 m	3,5 m	82 lux	58 lux
50 m	5,2 m	40 lux	28 lux

Spot optic (S)

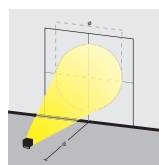
Effective lighting to valorise architectural elements with medium dimensions. Ideal to highlight vertical elements with grazing uplight or downlight emission.



HIT (HCI-TC) 35 W G8,5			
d	ill. ab. ø	E _{max}	E _{med}
15 m	3 m	80 lux	55 lux
20 m	4 m	45 lux	32 lux
25 m	5,2 m	28 lux	20 lux

Flood optic (F)

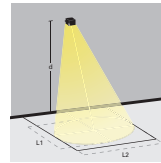
It is the best solution to provide wide uniform light on architectural elements and façades with medium-large size. The picket application is ideal for wide, uniform light in green and residential areas.




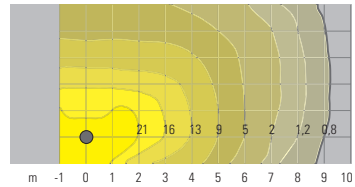
HIT (CDM-Tm) 20 W PGJ5			
d	ill. ab. ø	E _{max}	E _{med}
5 m	2,5 m	136 lux	44 lux
10 m	5,2 m	35 lux	23 lux
15 m	8 m	15 lux	10 lux

Asymmetrical longitudinal optic (AL)

The elliptical distribution enlarges the light beam laterally. Especially suitable for uniform lighting of pathways and transit areas with considerable distance between products.

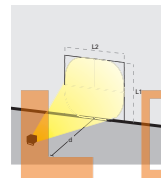


Isolux h=5m
 $\alpha=0^\circ$

 HIT HCI-TC G8,5 35W



Asymmetrical transversal optic (AT)

Ideal to illuminate large surfaces and façades from the ground with uniform emission. The distribution is characterised by asymmetrical beam with maximum intensity at 60° and wide longitudinal and transversal opening.



HST-DE 150 W Rx7s			
d	ill. ab. L1xL2	Emax	Emed
4 m	8x10 m	200 lux	70 lux
6 m	12x14 m	88 lux	32 lux
8 m	16x18 m	50 lux	18 lux

Combined optics

The application of multiple products in different sizes and in combination with different optics delivers mixed lighting to enhance the structural elements of building façades. In the example, the spot optic with refractor for elliptical distribution of the light flux exalts horizontal elements, such as cornices, and minimizes shadows, while the flood optic guarantees large, uniform luminous emission. The use of the floodlight with spot optic and cylinder highlights vertical details and ensures clean luminous distribution.



Refractor



Cylindrical screen

Possible installation of accessories

Spill ring

- Mounted inside the body of the fitting.
- Reduces direct glare from lamp in certain angles.

Prismatic glass diffuser for LED and refractor

- Mounted inside the body of the fitting.
- Glass diffusers: enlarge the natural light cone of the floodlight.
- Glass refractors: create blades of light (with spot cones) or vertical or horizontal ellipses (with flood cones) in certain angles.

Accessory-frame

- Mounted externally on product frame.
- Installation of coloured filters only with frame
- Can house max. two flat accessories at the same time (i.e. chromatic filter+refractor).

Cylindrical screen

- Mounted externally with accessory-frame.
- Ensures better focusing and definition of light cone and reduces stray light.
- 360° screening of light beam.

Individual flap

- Mounted externally with accessory-frame.
- Reduces dispersion of light flux in four directions independently.
- Installation of max. four flaps at the same time.

Protection grid

- Glass protection against vandalism (IK09).

Lamellar louvre

- Mounted externally on product frame.
- For AL optic: Reduces glare in front of floodlight and stray light on wall.
- For AT optic: Reduces glares on the sides of floodlight.

Visor

- Mounted externally on product frame.
- Reduces dispersion of light flux in three fixed directions.
- Rotation by 90° steps

L-shaped bracket for cornices

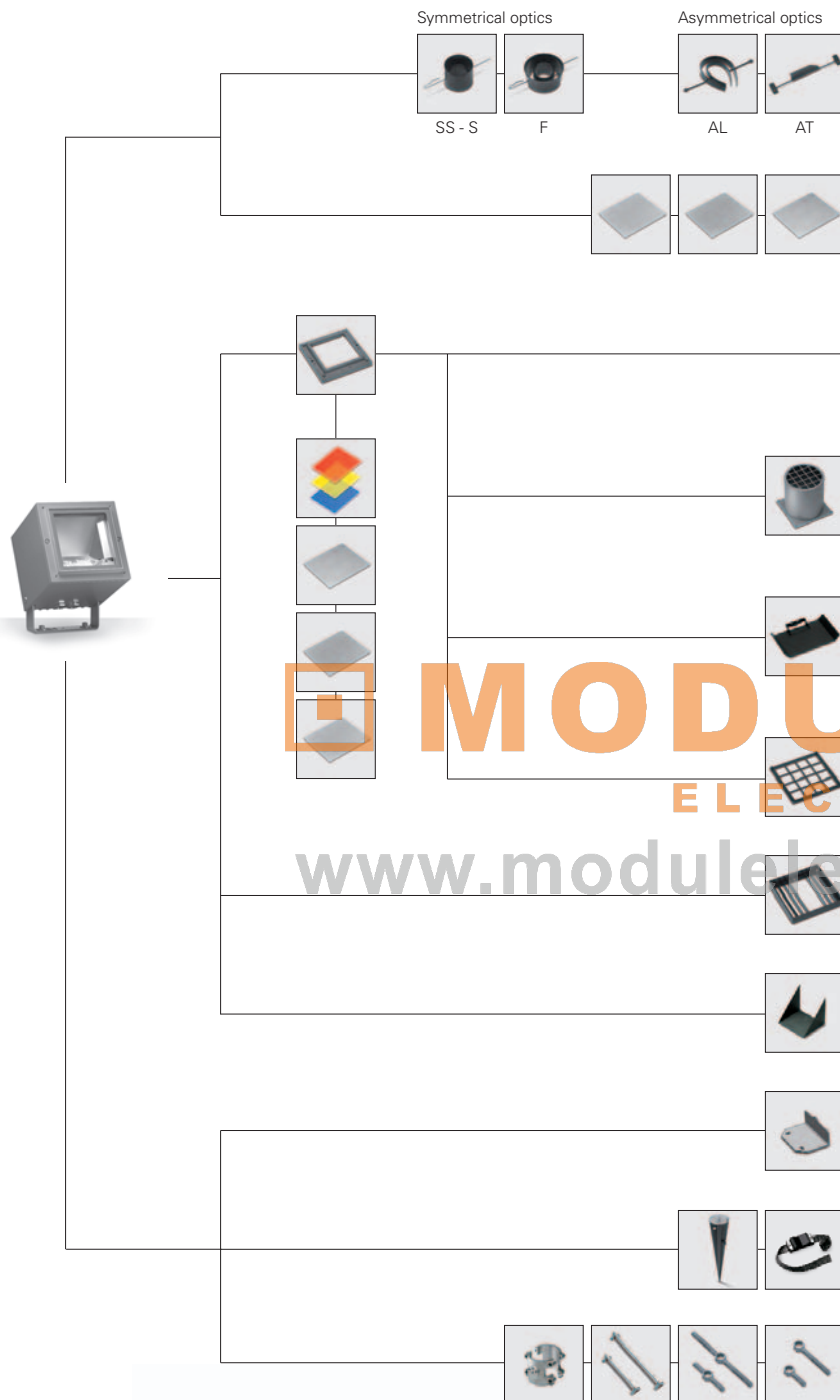
- Allows for installing the floodlight in downlight position when applied on horizontal surfaces (i.e. cornices).

Picket and strap

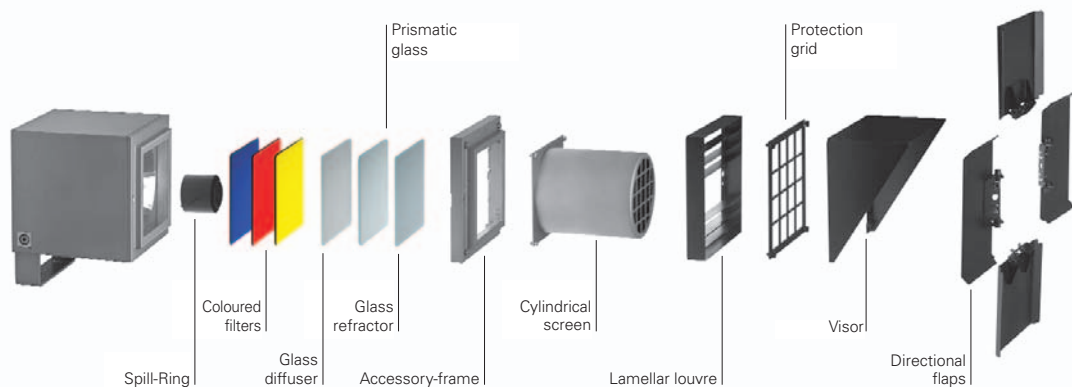
- Picket for ground application and strap for application on branches (small body only).

Installation on pole, wall and floor with MultiWoody System.

- see page 160



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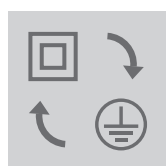
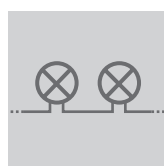
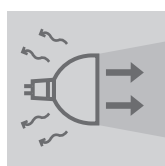
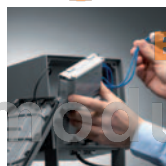


Simplified aiming with graduated scale

Retention cable for frame

Relamping without removing the accessories

Removable plate with captive screws and lid retention cable



Simplified maintenance and accessory installation with a single tool

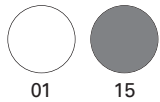
Suitable for Decostar 51 ES (Osram) and Masterline ES (Philips) Energy Saver

Pass-through cable (double cable clamp) in all sizes

Class II, with provisions for Class I (on request) with terminal for through earthing wire

- Luminaire with direct emission for metal halide, sodium vapour, halogen and power LED with neutral white (4200K) and warm white (3100K) colour temperature.
- Wall/floor installation and ceiling installation with bracket (with fisher).
- Installation in ground and on brackets, for small body, with optional picket and strap.
- Available in three sizes with large, medium and small body.
- The fitting is composed of optical assembly / component-holding box and adjustable bracket.
- Optical assembly and front frame made of die-cast aluminium alloy, with acrylic liquid paint (grey) or texturized liquid paint (white) with high resistance to atmospheric agents and UV rays; hardened transparent sodium-calcium safety glass, 5mm thick, 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.
- Optical assembly for LED versions composed of circuit complete with 16 (medium body) and 9 (small body) LEDs and plastic lenses.
- Component-holding box composed of control gear fitted on removable plate and fast-coupling terminals; back lid made of painted aluminium alloy fixed with four M5 stainless steel captive screws and galvanized steel retention cable.

- Electromagnetic (insulation class I) and electronic (insulation class II) control gears; LED versions with Vin 100-240V built-in transformer.
- Spare parts for LED circuit complete with lenses and electronic control gear available for extraordinary maintenance.
- 3-pole terminal block with fast-coupling system for electrical connection; versions with double insulation provided with safety box for terminal block.
- Double cable entrance with M24x1.5 cable clamps $\varnothing 7 \div 16$ mm power supply cable (large and medium body) and nickel-plated brass PG11 $\varnothing 6,5 \div 11$ mm power supply cable (small body) for through wiring.
- Extruded aluminium bracket with silk-screened graduated scale on both sides (easy aiming).
- Internal silicone watertight gaskets.
- Various accessories available: spill-ring, lamellar louvre for AT and AL optic, visors, flaps, cylindrical screen, glass refractors, glass diffusers and coloured filters with possible application in pairs.
- All screws are A2 stainless steel.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP66 IK07 (IK 09 with protection grid)
- F seal
- ENEC approval
- Class of Insulation II (Class I on demand) for electronic versions
- Class of Insulation I for electromagnetic versions



iPro small body

luminaires	control gear	code	optic	lamp
	ELECTRONIC CLASS II	BD32*	SS	20 W HIT (CDM-Tm) (PGJ5)
		BD33*	F	20 W HIT (CDM-Tm) (PGJ5)
		BD34	S	9x1,2 W LED neutral white
		BD35	S	9x1,2 W LED warm white
		BD36	F	9x1,2 W LED neutral white
		BD37	F	9x1,2 W LED warm white
		BD38**	10°- 24°- 36°- 60°	50 W 12 V QR-CBC 51

On demand PAR 20 version (max 50W), Osram Halopar 20 and Sylvania Hi-Spot 63
 *Mini Mastercolour CDM-Tm Philips lamp
 **Suitable for Energy Saver lamp (Osram Decostar 51 ES e Philips MASTERline ES)

iPro medium body

luminaires	control gear	code	optic	lamp
	ELECTRONIC CLASS II	BD40	SS	35 W HIT (G8,5)
		BD41	S	35 W HIT (G8,5)
		BD42	M	35 W HIT (G8,5)
		BD43**	AL	35 W HIT (G8,5)
	ELECTROMAGNETIC CLASS I	BD44*	S	35 W HIT (G8,5)
		BD45*	M	35 W HIT (G8,5)
		BD46	S	16x1,2 W LED neutral white
	ELECTRONIC CLASS II	BD47	S	16x1,2 W LED warm white
		BD48	F	16x1,2 W LED neutral white
		BD49	F	16x1,2 W LED warm white

On demand PAR 30 version (Max 100W) and TC-TEL (18W)
 * To be used only with Osram and G.E. lamps
 ** Do not use with CMH-GE lamps



















iPro large body

luminaires	control gear	code	optic	lamp
<p>Installed on poles with MultiWoody System horizontal arms</p>	ELECTRONIC CLASS II	BD52	SS	70 W HIT (G12)
		BD53	S	70 W HIT (G12)
		BD54*	F	70 W HIT (G12)
		BD55**	AT	70 W HIT-DE (Rx7s)
		BD56	AL	70 W HIT (G12)
	ELECTROMAGNETIC CLASS I	BD57	S	70 W HIT (G12)
		BD58*	F	70 W HIT (G12)
		BD59	S	150 W HIT (G12)
		BD61*	F	150 W HIT (G12)
		BD62	AT	150 W HIT/HST-DE (RX7s)

Optics
 Spot (S)
 Super Spot (SS)
 Medium (M)
 Flood (F)
 Wide Flood (WF)
 Asymmetrical longitudinal (AL)
 Asymmetrical transversal (AT)

* The Flood optic becomes Medium with HCI-T Powerball (Osram).
 ** To be used exclusively with light sources with ceramic burner.

Registered Design
Patent Pending

accessories		small body	medium body	large body	external accessories and installation system		small body	medium body	large body
	Accessory-frame Colours 01-15	BZ49	BZ63	BZ77		Protection grid Colour 13	BZ56*	BZ71*	BZ85*
	Coloured filters Colours 05-06-09	BZ50*	BZ64*	BZ78*		Cylindrical screen Colours 47-74	BZ57* for BD32-BD38	BZ72* for BD40-BD41 BD44	BZ86* for BD52-BD53 BD57-BD59
	Glass diffuser Colour 65	BZ51* not for LED versions	BZ65* not for LED versions	BZ79*		Individual flap Colour 04	BZ58*	BZ73*	BZ87*
	Prismatic glass diffuser for LED versions Colour 24	BZ52* for BD34-BD35 BD36-BD37	BZ66* for BD46-BD47 BD48-BD49	-		Visor Colour 04	BZ59	BZ74	BZ88
	Refractor for elliptical distribution Colour 24	BZ53*	BZ67*	BZ80*		Lamellar louvre for asymmetrical transversal optic Colour 04	-	-	BZ89 for BD55-BD62
	Spill ring for optic super spot/spot Colour 04	BZ54 for BD32	BZ68 for BD40-BD41 BD44	6879 for BD52-BD53 BD57-BD59		Lamellar louvre for asymmetrical longitudinal optic Colour 04	-	BZ75 for BD43	BZ90 for BD56
	Spill ring for medium/flood optic Colour 04	BZ55 for BD33	BZ69 for BD42-BD45	6881 for BD54-BD58 BD61		Spike for ground application Colour 00	BZ60	-	-
	Spill ring for asymmetrical longitudinal optic Colour 04	-	BZ70 for BD43	BZ83 for BD56		Strap for attaching to branches Section=40÷120 mm Colour 00	BZ61	-	-
	Spill ring for asymmetrical transversal optic Colour 04	-	-	BZ84 for BD55-BD62		L-shaped bracket for cornices Colour 15 (colour 01 on request)	BZ62	BZ76	BZ91

* Installed with accessory-frame

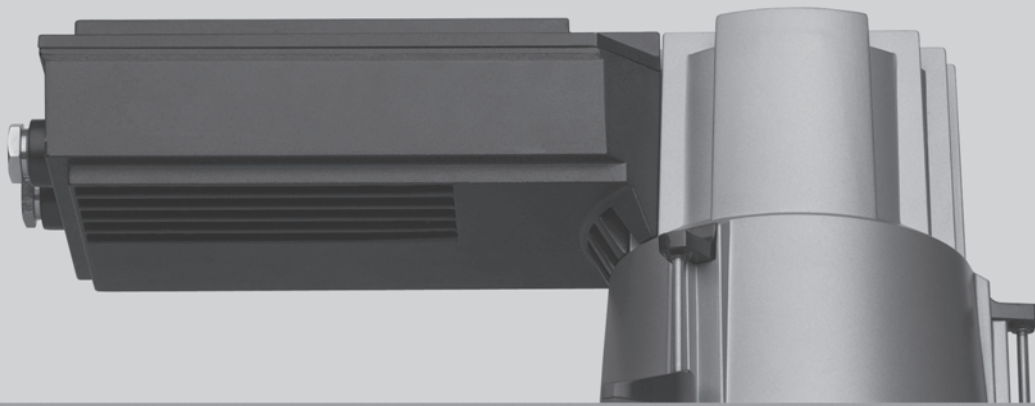
Possible combinations for installation of accessories

luminaires	power	optic	coloured filter	glass diffuser/refractor		spill ring	spill ring + coloured filter	coloured filter + glass diffuser/refractor	coloured filter + cylindrical screen	coloured filter + no. directional flaps
			on accessory- holding frame	inside the body	on accessory- holding frame	inside the body	coloured filter on accessory-holding frame	on accessory- holding frame	on accessory- holding frame	on accessory- holding frame
small	20 W CDM-Tm	S/F	●	●	●	●	●	●	● for S	●
	50 W QR-CBC 51	S/M/F/WF	●	●	●	●	●	●	● for S	●
	9x1 W LED	S/F	●	●	●	●	●	●	●	●
medium	35 W HIT	SS/M/F/AL	●	●	●	●	●	●	● for SS/S	●
	16x1 W LED	S/F	●	●	●	●	●	●	● for SS/S	●
large	70 W HIT	SS/S/F	●	●	●	●	●	●	●	●
		AT/AL	●	●	●	●	●	●	●	●
	150 W HIT	S	●	●	●	●*	●	●	●	●
		F	●	●	●	●*	●	●	●	●
150 W HIT/HSTDE	AT	●	●	●	●	●	●	●	●	

● installation permitted

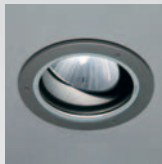
● installation not permitted

* To be used exclusively with light sources with ceramic burner



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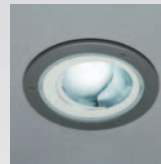
www.modulelectro.ru



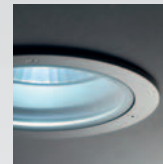
Adjustable Spot



Fixed Flood



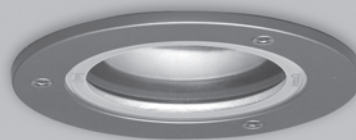
Wall washer



Flush glass



Stainless steel frame
(accessory)



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Comfort visual



Energy Saving
(LED version)

Outdoor downlighter designed to illuminate large areas, entrances, canopies and transit areas of buildings and malls. 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.

The discreet, elegant design, double adjustability and multiple accessories give life to flexible lighting solutions full of emotions and total visual comfort. High efficiency and high adjustability are combined with high energy and money saving through the use of last-generation light sources, including LEDs, available for small body in warm and neutral white colour temperatures for long life lamp, reduced maintenance, constant flux and very high output.



Spill ring for adjustable Spot optic

A wide range of accessories is available, such as spill ring, chromatic filters, refractor glass and diffuser glass, allow to create suggestive plays of light and illuminate spaces and objects with extreme flexibility according to the specific needs.



Spill ring for fixed Flood optic



Cut-off angles with and without spill ring

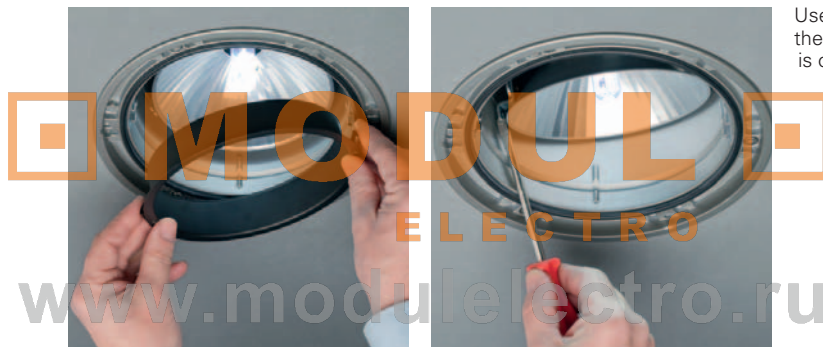
Spill ring		
Optic	adjustable Spot	fixed Flood
α Cut-off		
Large body	α 45° (α 35°)	α 45° (α 35°)

Data (α) in parenthesis refers to fitting without spill ring



The frame-flush glass guarantees minimum visual impact and total integration with the architecture of different settings.

The double adjustability
 ± 180° on horizontal plane
 and on vertical axis:
 ± 15° small body
 ± 20° large body



Users can utilize any tool for the optic aim, even while the lamp is on (without danger of burns).

Same tool both for small and large body (hexagon wrench 3).



Opening of control gear box



Opening of stainless steel frame



Opening of aluminium frame



Adjustment of fixing support



Removable spacer for false ceilings
 (for false ceilings with thickness:
 h 50 mm small body
 h 60 mm large body)

iRound can be provided with optional stainless steel cover overlapped to the front aluminium frame. The downlighter becomes precious and elegant to integrate in spaces that require formal refinement.



**Spot optic (S)
+ glass diffuser**

When installed at heights from 10 to 15 m, it guarantees a horizontal distribution of the luminous flux for ideal lighting of projecting surfaces, canopies, entrances of airports, railway stations and multifunctional facilities.



Flood optic (F)

When installed at heights from 7 to 9 m, with 150W G12 lamps, it allows for homogeneous distribution of light flux with excellent uniformity on large surfaces.



Wall-Washer optic (WW)

Ideal for application on canopies of hotels, malls and buildings in general, the wall-washer optic delivers a suggestive "wall washing" effect.





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Compact height



Double adjustability



Pass-through cables



Safety cable



Version with anti-burn adjustable optic



Electronic control gear



Installation in false ceiling from 5 to 60 mm



Captive screws



- Luminaire with direct and wall-washer emission for monochromatic LED, halogen lamps, metal halide lamps and fluorescent lamps.
- Recessed installation into the ceiling.
- Available in two sizes - large body and small body.
- Composed of (circular) optical assembly, frame, lateral component box and outer case to be ordered separately, if necessary.
- Optical assembly and frame made of aluminium alloy, treated with acrylic liquid paint with high resistance to weather agents and UV radiation; hardened sodium-calcium clear glass with customised screen-printing on border, 4mm thickness, silicone sealed to the frame.
- 99.96% superpure aluminium reflectors fixed to compartment with fast-coupling springs. Available with fixed optics (wall-washer for HIT light sources, Flood for FL/HIT light sources and LED versions) and adjustable optics (Spot for HIT light sources): $\pm 15^\circ$ on vertical axis and 180° on horizontal plane for small body and $\pm 20^\circ$ on vertical axis and 180° on horizontal plane for large body.

- The adjustable versions are provided with system to aim the optic with a tool, also with the lamp on (without risk of burn). Some optics are completed with multigroove ring made of black painted aluminium
- Lateral component box and upper cap made of high-performance plastic material with black colour finish (small body) or aluminium alloy with black painted finish (large body); complete with internal silicone gasket to guarantee water seal.
 - Connection between optical assembly and lateral box by means of stainless steel threaded coupling and rubber cable gland for water seal.
 - Version with 150W lamp with separate lateral box connected to optical assembly with armoured cable L=500mm.
 - Version 100W PAR30 without lateral box but with outgoing cable L=500mm.
 - Ready for through wiring with two cable glands: PG13.5 of grey polyamide suitable for cables with diam. 8.5÷12.5mm (on small body) and M24x1.5 of nickel-plated brass suitable for cables with diam. 7÷16mm (on large body).

- Electronic control gear except for 150W HIT (electromagnetic) and PAR30 (mains voltage) versions.
- Ceiling fixing system made of A2 stainless steel special screws complete with fixing supports (black colour) made of aluminium alloy and plastic material for universal installation on false ceilings with 5÷50mm thickness for small body and 5÷60mm thickness for large body.
- Frames and plugs of lateral component box complete with A2 stainless steel captive screws.
- Single tool (hexagon driver, size 3) to open frame, plug of lateral box and fixing system.
- Outer case for concrete false ceilings made of black-painted pre-galvanized steel sheet complete with end cap and threaded bar.
- Adapter disk made of plastic material for flush installation of frame on visible concrete ceilings (it can be used only with product with aluminium frame, without stainless steel cover).

- Accessories: AISI 304 stainless steel cover, elliptical refractors, glass diffusers, chromatic filters, spill rings for visual comfort, safety cable kit.
- All external screws made of A2 stainless steel.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP66 IK07
- F seal
- ENEC approval (except for LED versions)
- Class of Insulation II (small body)
- Class of Insulation I (large body)



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luminaire	control gear	code	optic	lamp
small body 	ELECTRONIC	BE49*	10°-24° 40°	20 W HI-PAR 51 (GX10)
		BE50*		35 W HI-PAR 51 (GX10)
		BE51*	10°-24° 38°-60°	35 W QR CBC 51 (GU5,3) ES
				50 W QR CBC 51 (GU5,3) STD
		BE52		6x2 W LED neutral white
		BE53		6x2 W LED warm white
		BE54		6x2 W LED neutral white
BE55		6x2 W LED warm white		
large body 	ELECTRONIC	BE56**		70 W HIT (G12) on demand 35W HIT code BE65
		BE57**		70 W HIT (G12) on demand 35W HIT code BE66
	ELECTRO-MAGNETIC	BE58		150 W HIT (G12)
		BE59		150 W HIT (G12)

ES: Suitable for Energy Saver lamp max 35W
STD: Suitable for Standard lamp max 50W

luminaire	control gear	code	optic	lamp
large body 	ELECTRONIC	BE60		14/17 W PL-R (GR14q-1)
	ELECTRONIC MULTIWATT	BE67		26/32 W TC-TEL (GX24q-3) on demand 26/32WTC-TEL code BE61 with DALI electronic ballast
large body 	MAINS VOLTAGE	BE62**	10°-30°	100 W PAR 30S (E27)
		BE63		35 W HIT (G12)
	ELECTRONIC	BE64		70 W HIT (G12)

* Adjustability of ± 15° with respect to vertical axis and 180° on horizontal plane
 ** Adjustability of ± 20° with respect to vertical axis and 180° on horizontal plane

accessories	small body	large body
Stainless steel frame Colour 13	MW83	MW88
Refractor for elliptical distribution Colour 24	MW84	4492 for BE56-BE57 BE58-BE59-BE60 BE61-BE62-BE65 BE66-BE67
Prismatic glass diffuser for LED Colour 24	MW85 for BE52-BE53 BE54-BE55	-
Glass diffuser Colour 65	MW86 for 6136-6140	4493 for BE56-BE57 BE58-BE59-BE60 BE61-BE62-BE65 BE66-BE67
Coloured filters Colours 05-06-09	MW86*	4493** for BE56-BE57 BE58-BE59-BE60 BE61-BE62-BE65 BE66-BE67
Spill ring for adjustable Spot optic Colour 04	-	6879 for BE56-BE58 BE65

accessories	small body	large body
Spill ring for fixed Flood optic Colour 04	-	6880 for BE57-BE59 BE66
Case for concrete ceilings Colour 04 Recommended grain-size of inert materials for concrete 0÷25 mm	MW87	MW89
Adapter disk for flush installation of downlighters (frame) in concrete ceilings not usable with stainless steel frame Colour 00	MW90 for MW87	MW91 for MW89
Safety cable L=2000 mm Colour 00	MWK6	MWK6
IP67 Connection box Colour 15	-	1180 for BE62

* For code BE51 colour 09 must be used together with max. 35W lamp
 ** In colour 09 for BE56-BE57-BE60-BE61-BE65-BE66-BE67 except for 100W PAR30 and 150W HIT versions



Photo: James Newton

Farnborough - Great Britain:
Business Park

This new floor-recessed luminaire replaces Light Up Walk, with a totally renewed aesthetics and a new complete range of light sources for improved potential and flexibility. It is an elegant, discreet luminous element, characterised by a clean, perfectly flush line, that can be used to illuminate and enhance spaces, identify and accompany pathways, while creating a perfect atmosphere in all settings. Composed of body,

frame and component box completely made of stainless steel, Light Up Walk inox adds to the conventional light sources used by Light Up Walk the innovative HIT G12, PL-R, 20W QR energy saver lamps and high-performing LEDs only for small body) in warm white colour temperature, ensuring uniform illumination levels and high efficiency with maximum energy and money saving. Available in two sizes, this modern recessed luminaire also offers a version with adjustable optic.

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Visual comfort



Flush frame



LED version



Adjustable optic version



Static load bearing strength: 2500 kg

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Light Up Walk inox

design iGuzzini

iGuzzini



The frame and glass are completely flush to the floor both for aesthetical and functional value. The luminaire integrates with minimum visual impact in the space, while providing full freedom of movement in the different settings, without risks of fall.

MODUL



Light Up Walk inox boasts body and frame entirely made of stainless steel. Apart from "dressing up" the luminaire with elegance, they ensure total safety and resistance for longer durability over time.

The possibility to work on the product body without having to move it and pull it out of the case makes maintenance and relamping operations easier.





Photo: Jose Huelva

Alcañete - Spain: El corte inglés, Elx



- Ground-recessed fitting, for use with halogen, metal halide, sodium and mercury discharge, fluorescent and LED lamps.
- Fittings installed as ground-recessed luminaires.
- Light Up Walk has a body (small or large) and casing to be ordered separately.
- Body and frame made of AISI 304 stainless steel; glass closing ring made of die-cast aluminium; tempered safety glass with 8mm thickness with resistance to 2500 Kg static loads; PG16 cable clamp equipped with a 1 m power cable.
- Superpure aluminium reflectors 99,8÷99,98%.
- Versions with adjustable optic (HIT G12, QR111, HIT/HST E27, PAR30 and LED).
- Various control gears available: electromagnetic and electronic.
- All external screws are made of A2 stainless steel.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP67 IK10
- F seal
- ENEC approval (except for LED versions)
- Class of Insulation I



Stainless steel body and component-box, die-cast internal rings



Outer case made of plastic material with stainless steel ring



Pull and transpiration prevention device



Screw antitheft

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luminaire	code	optic	lamp	t °C
small round 	BD22	10° 24° 38° 60°	20 W QR-CBC 51 (GU5,3)	65
		BD23	10° 30°	50 W PAR 20 (E27)
	BD25		So	3x1 W LED warm white On request available with LED neutral white code BD24

luminaire	code	optic	lamp	t °C
large round 	BD31*		20 W HIT (G12)	70
	BD26*		35 W HIT (G12)	90
	BD27		70 W HIT (G12)	140
	BD28**		70 W HST (E27)	115
			70 W HIT (E27)	
	BD30		70 W HIT-DE (Rx7s)	140
70 W HST-DE (Rx7s)				
BD29*		14/17 W PL-R (GR14q-1)	55	

* Electronic control gear

** Complete with electromagnetic control gear.

The light source can be angled at 25° to provide an asymmetrical flow of light.

accessories	small body	large body	accessories and installation systems	small body	large body
Refractor for elliptical distribution of the light flow Colour 24	1902 for BD22-BD23	BZA1 for BD26-BD31	Baffle Colour 04	1903	-
Coloured filters Colours 05-06-09-65	8783 for BD22-BD23	8784 for BD29	Casing Colour 13	5997 	5998
Anti-glare grid Colour 04	1904 for BD22-BD23	1905 for BD29	Kit for screw antitheft Colour 13 Key for screw antitheft Colour 00	BZA4	
		BZA3 for BD26-BD31		0245	

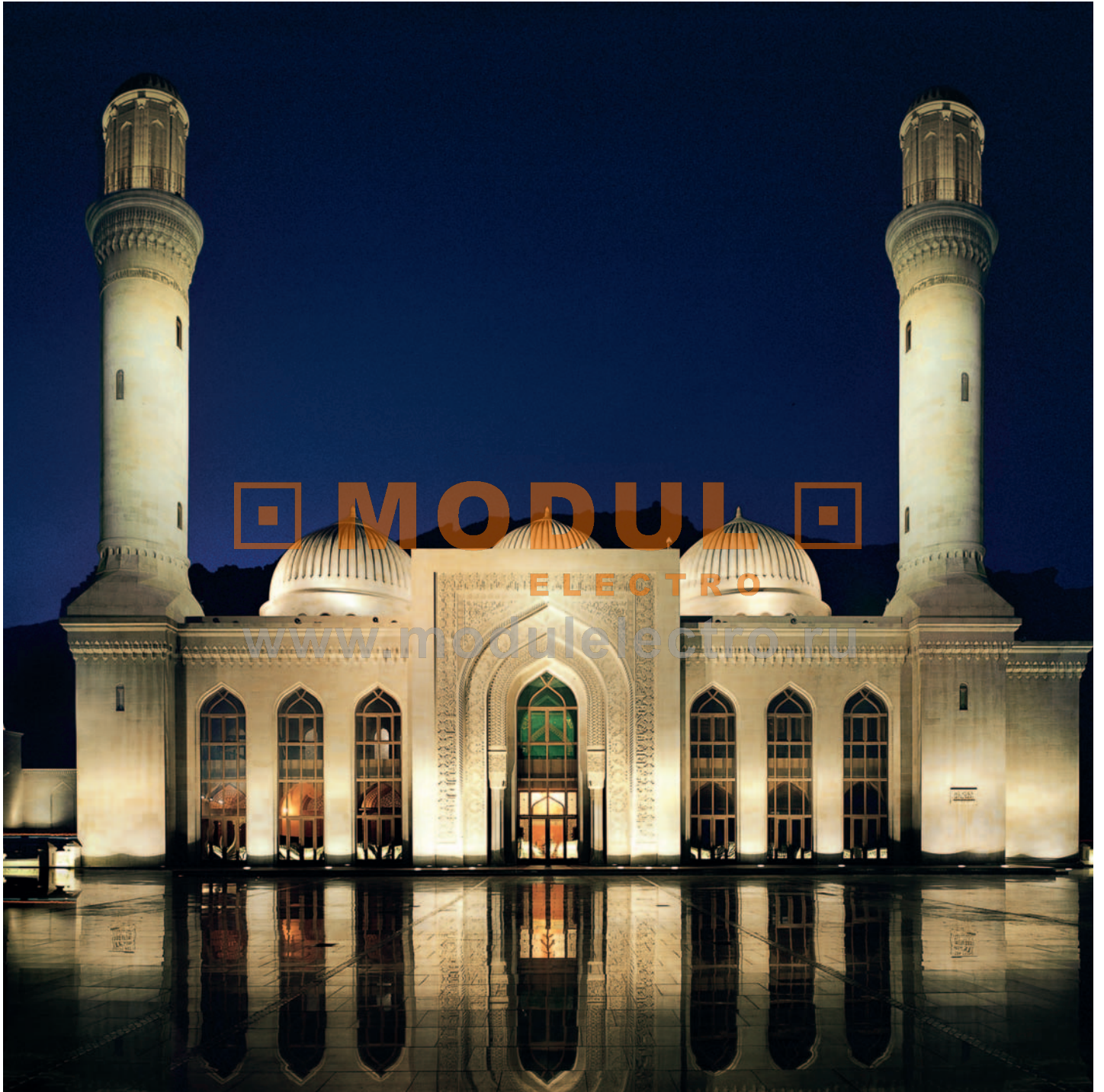


Photo: Giuseppe Seltzi

Baku - Azerbaijan:
Bibiybat Mosque



Semi-recessed
wall-mounted
version

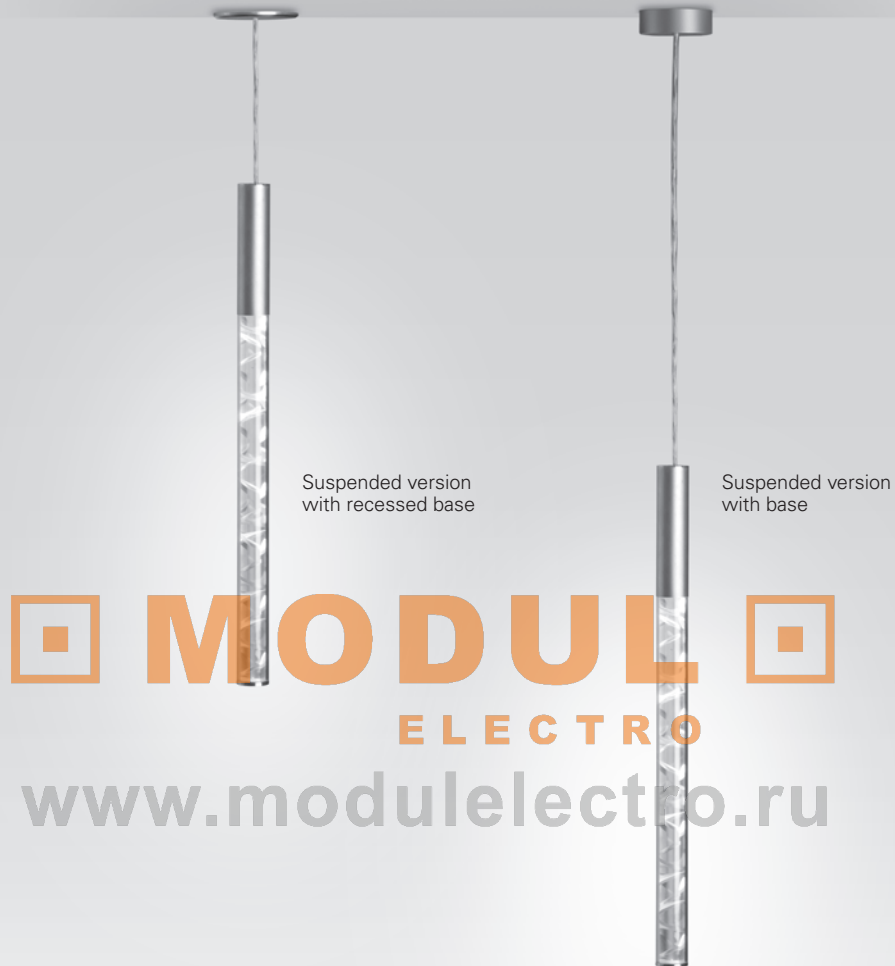


Version with high
stake



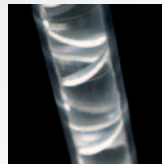
Version with low
stake

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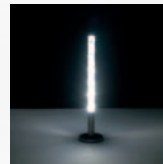


Minimalist clean shape for a LED system designed to illuminate residential areas that can be applied on picket, in floors and gardens, wall-mounted semi-recessed and suspended for ceilings and false ceilings. Zyl integrates with utmost elegance in multiple settings, giving life to magic atmospheres, thanks to the use of the LED neutral white light source and to the special diffusing

cylinder with decorative texture that characterises the luminaire with a natural, diffused luminous emission. While it harmonically integrates in architecture and environment, the Zyl system adds charm and fascination to benches, sidewalks, entrances, pathways, pedestrian routes and gardens, while guaranteeing excellent luminous efficiency with high energy and money saving.



Bi-material decorative diffuser



LED neutral white (4200K)



Floor installation



Ground installation with picket



- Lighting system with diffused emission for LEDs.
- Available in pathway versions (two heights), wall-mounted semi-recessed and suspended with base or recessed part.
- Made up of component-holding body and diffuser.
- Pathway version: AISI 304 stainless steel cylinder and base and aluminium internal component-holding box. Ground fixing plate made of AISI 304 stainless steel. Cylinder and base are joined with stainless steel threaded coupling. Ground/floor installation with anchoring plugs or pre-galvanized steel cylindrical support complete with threaded inserts and stainless steel screws. Buried versions complete with thermoplastic picket with electronic control gear (95÷240Vac 50/60Hz) and double PG11 polyamide cable gland suitable for cables with diam. 6.5÷11.5mm.
- Wall-mounted version: AISI 304 stainless steel cylinder and recessed part and aluminium internal component-holding box.
- Ceiling version: cylinder, cover for recessed part and base made of AISI 304 stainless steel and aluminium internal component-holding box. Transparent cable L=2000mm.
- In the recessed version the internal structure is made of pre-galvanized sheet steel. Universal installation on false ceilings with 1÷30mm thickness.
- All versions are provided with transparent polycarbonate external screws and clear methacrylate internal decorative cylinder. The screen is fixed to the body with internal silicone layer.
- Complete with 2W power LED circuit, neutral white (4200K) and optic with SPOT lens made of plastic material.
- All AISI 304 stainless steel external parts are subjected to passivation and shot blasting surface treatment with high resistance to weather agents.
- Except for picket versions, all products need the electronic control gear that must be ordered separately (500mA, CLIII version).
- All external screws made of A2 stainless steel.
- The technical characteristics of the fitting comply with EN60598-1 standard.
- IP66 IK07 (on visible body of installed product)
- IP67 IK07 (buried compartment in picket version)
- F seal
- ENEC approval
- Insulation class III
- Insulation class II (picket version)

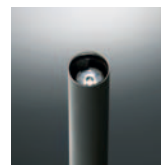
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Electronic control gear and through wiring (garden)



Stainless steel body and base





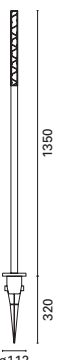

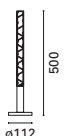

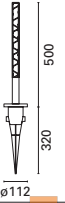

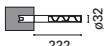

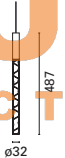

Long life of LED



13











Registered Design

luminaire	code	optic	lamp	luminaire	code	optic	lamp
high stake 	BE04	 D	⊔ 1x2W LED neutral white	high stake with picket 	BE05**	 D	⊔ 1x2W LED neutral white
low stake 	BE02	 D	⊔ 1x2W LED neutral white	low stake with picket 	BE03**	 D	⊔ 1x2W LED neutral white
wall-mounted 	BE06	 D	⊔ 1x2W LED neutral white	pendant 	BE05*	 D	⊔ 1x2W LED neutral white

Codes BE02 - BE04 - BE05 - BE06 must be exclusively powered with BZ98 - BZ99 - BZA0

* Luminaire is supplied with 2m transparent cable
** Complete with electronic control gear

accessories	code
 IP20 suspension base ø 70mm e h 22mm Colour 13	BZF2 for BE05
 IP20 recessed suspension base ø 85mm e h 5mm Hole for installation ø 75mm Colour 13	BZF3 for BE05
 Ground fixing system h=400 mm to be used with gravel Colour 00	BZ97 for BE02-BE04
 Electronic power supply IP20 6W 500 mA Colour 00	BZ98 40x42xh22

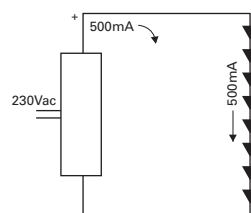
accessories	code
 Electronic power supply IP20 500 mA Colour 00	BZ99 12W - 38x119xh28 BZA0 20W - 38x119xh28
 Connector block without power supply IP67 Colour 00	9582 for BZ98-BZ99-BZA0
 Connector block without power supply IP68 Colour 04	B915 for BZ98
 Watertight connector kit IP68 Colour 04	9581

In-series connection monochromatic version

No. of products that can be connected / Cable cross section

lamp	section (mm ²)	ballast					
		code BZ98 (6 W)		code BZ99 (12 W)		code BZA0 (20 W)	
		n. max	L (m)	n. max	L (m)	n. max	L (m)
1x2W LED neutral white	1,5	2	267	6	62	10	248
	2,5		444		103		413
	4		667		155		620

In-series connection layout



For the system definition, refer to the instructions

Version with
high stake



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Version with
low stake





Ceiling-mounted
version



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Wall-mounted version

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Floor installation
(accessory)



Ground installation
(accessory)


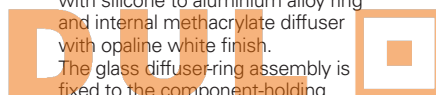


Glass diffuser

Fluorescent luminaire designed to meet the lighting needs of residential areas. Installed either in floor or ground, in surface or wall-mounted version, iPoint becomes a "luminous sign" that can illuminate and valorise external spaces and green areas with low running costs. The body and component-compartment completely made of aluminium and the external glass diffuser give aesthetical value and elegance to the product.



- Lighting system with diffused emission for compact fluorescent lamps.
- Available in pathway (two sizes), surface-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.
- Surface-mounted version: body made of aluminium alloy, ceiling-fixing plate made of pre-galvanized steel.
- All versions are provided with external extraclear sodium-calcium glass with 13÷20mm thickness fixed with silicone to aluminium alloy ring and internal methacrylate diffuser with opaline white finish. The glass diffuser-ring assembly is fixed to the component-holding compartment by means of hexagonal head and captive screws.
- All aluminium parts (made of alloy or extruded) are treated with liquid acrylic paint with high resistance to weather agents and UV radiation.
- Single cable entrance with PG13.5 made of grey polyamide, suitable for cables with diameter 8.5÷12.5mm. Pathway version and ceiling mounted luminaires complete with outgoing cable.
- Available with mains voltage wiring or built-in electronic control gear.
- Floor and ground installation system with plate and bolts and cylindrical installation system with screws.
- All external screws made of A2 stainless steel.
- The technical characteristics of the fitting comply with EN 60598-1 standard.
- IP66 IK06
- F seal
- ENEC approval
- Class of Insulation I


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Electronic power supply



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Registered Design

	luminaire	code	optic	lamp
high stake		BE09*		18 W TC-DEL (G24q-2)
		BE10		11 W TC-DSE (E27)
low stake		BE07*		18 W TC-DEL (G24q-2)
		BE08		11 W TC-DSE (E27)

	luminaire	code	optic	lamp
ceiling mounted		BG06*		13 W TC-DEL (G24q-1)
		BE11		11 W TC-DSE (E27)
wall-mounted		BE12*		13 W TC-DEL (G24q-1)
		BE13		11 W TC-TSE (E27)

*Complete with electronic control gear.



accessories	code
<p>Ground fixing system h=400 mm to be used with gravel Colour 00</p>	<p>B297 for BE07-BE08-BE09-BE10</p>
<p>Fixing plate with anchor bolts Colour 00</p>	<p>B514 for BE07-BE08-BE09-BE10</p>

accessories	code
<p>Watertight connector kit IP68 Colour 04</p>	<p>9581 for BE07-BE08-BE09-BE10 BE11-BG06E</p>
<p>Box for cables IP66 Colour 00</p>	<p>B512 for BE09-BE10</p>

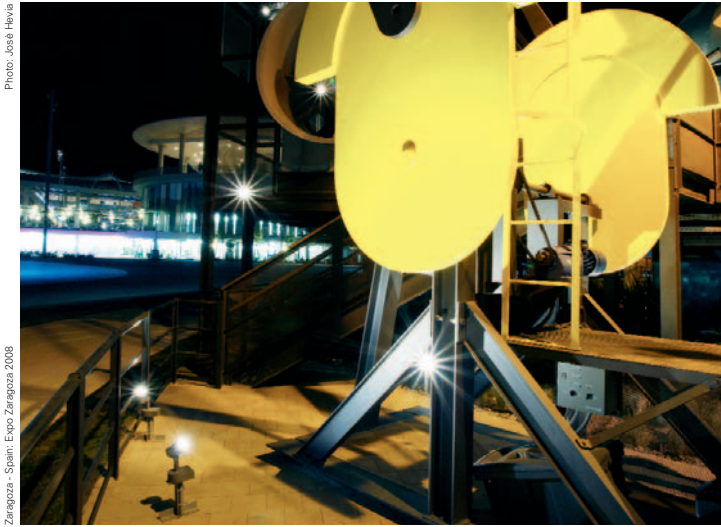
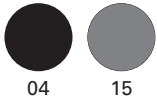


Photo: Jose Huelva

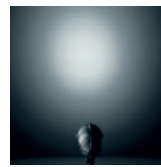
Zaragoza - Spain - Expo Zaragoza 2008

Important additions to the range increase the flexibility of Miniwoody spotlights. The new 35W HIT light source, the new external spill-ring and the component-holding box separated from the luminaire allow this very small fitting to achieve very high luminous efficiency, excellent visual comfort and maximum architectural integration with total discretion in multiple settings.

This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exterior lighting systems catalogue.



Visual comfort
(external spill-ring)



High luminous
efficiency



IP67 box with
electronic control gear

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luminaire	code	optic	lamp
 box 210x74xh74	BF92	S	35 W HIT (PGJ5)
	BF93	F	35 W HIT (PGJ5)

accessories	code
Fixing plate for IP67 box Colour 15	BZD2
External spill-ring for spot optic Colour 04	BZD3
Cylindrical screen for spot optic Colour 04	BZD4
Glass diffuser Colour 65	BZD5

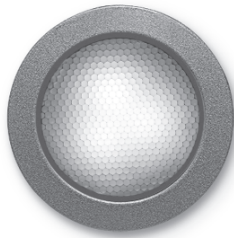
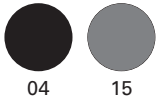


Photo: Giuseppe Saluzzi

San Giovanni Rotondo (FG) - Italy - Pirella Göttsche

The LED technology comes in to widen the Pixy range of wall and ceiling-mounted luminaires especially studied for pathways and staircases. In addition to long lamp life, which contributes to cut down maintenance costs, the use of warm white LEDs ensures warm light emission to fully comply with signalling needs, creating comfortable atmospheres with maximum energy saving.

This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exterior lighting systems catalogue.

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luminaire	code	optic	lamp
	BF96		3x1,2 W LED neutral white
	BF97		3x1,2 W LED warm white
	BF98		3x1,2 W LED neutral white
	BF99		3x1,2 W LED warm white

luminaire	code	optic	lamp
	BF94		3x1,2 W LED neutral white
	BF95		3x1,2 W LED warm white

accessories		code
	Polystyrene body moulding cover Colour 00	 0047

Codes against grey background supplied on demand

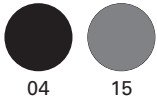


Photo: Lv Hengzhong

Beijing - China: Pangu Plaza Hotel



Rectangular wall-mounted luminaire with discreet, clean design. The Miniwalky offer see the addition of the new warm white LED source: a warm, uniform emission for signalling light of transit areas, staircases and pathways. High visual comfort, especially in the version with lamellar diffuser, for maximum energy saving.

This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exterior lighting systems catalogue.

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luminaire	code	optic	lamp
	BG00		7x1,2 W LED neutral white
	BG01		7x1,2 W LED warm white
	BG02		7x1,2 W LED neutral white
	BG03		7x1,2 W LED warm white

accessories	code
<p>Polystyrene body moulding cover Colour 00</p>	0234

Codes against grey background supplied on demand

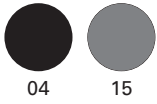


Photo: José Hevia Blach

Palma De Mallorca - Spain: Es Baluard

Initially designed for fluorescent lamps, Comfort introduces the new 35W HIT light source that increases performance and luminous efficiency, with larger spacing between fittings for cost reduction and energy saving. Available in wall and recessed version, the product is provided with aluminium component-holder frame and silicone-sealed acid-finished glass diffuser for excellent luminous uniformity.

This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exterior lighting systems catalogue.



Acid-treated diffuser High-performing optic Aluminium frame Electronic power supplies

	luminaire ø	code	lamp
wall-mounted		BD80	35 W HIT (PGJ5) ø 275 mm 20 W code BD79 available on request
recessed		BD83	35 W HIT (PGJ5) ø 275 mm 20 W code BD82 available on request

	luminaire ∇	code	lamp
wall-mounted		BD81	35 W HIT (PGJ5)
recessed		BD84	35 W HIT (PGJ5)

accessories ø	code
Polystyrene body moulding cover Colour 00	0043* for BD83

accessories ∇	code
Polystyrene body moulding cover Colour 00	0045 for BD84

* For version D=275 mm with 20W HIT (CDM-Tm) lamp the body moulding is **code 0044**



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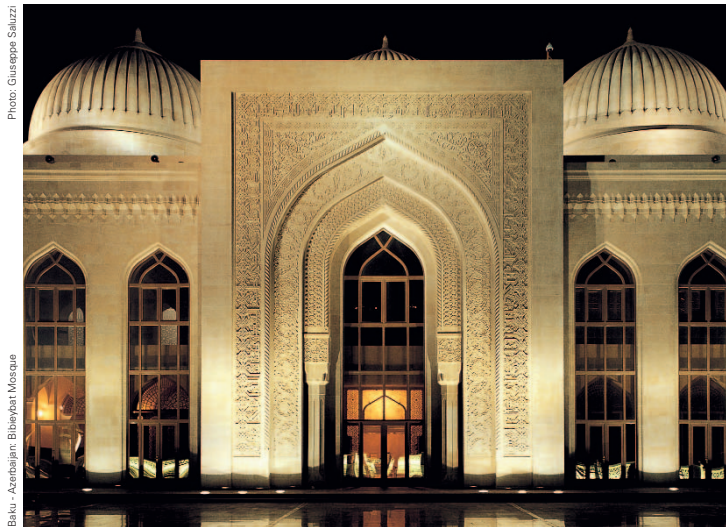


Photo: Giuseppe Saluzzi

Baku - Azerbaijan Bilevhat Mosque

This advanced generation of recessed luminaires is enriched today with the introduction of the new 20W HIT lamp that adds to conventional light sources and LED technology to guarantee higher efficiency and compactness and meet the lighting requirements of architectural works and green areas, while exalting details and small elements with maximum total comfort.

This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exterior lighting systems catalogue.

Luminous efficiency and long lamp life

Electronic ballast



luminaire	code	optic	lamp	t °C
	BF84	So	20 W HIT (PGJ5)	80
	BF85	F	20 W HIT (PGJ5)	
	BF86	So	20 W HIT (PGJ5)	
	BF87	F	20 W HIT (PGJ5)	
	BF88*	So	20 W HIT (PGJ5)	
	BF89*	F	20 W HIT (PGJ5)	

* Recessed luminaire without frame for multiple shape versions. Available in colour 04

accessories	code
	B958
	B963
	BZD0
	BZD1





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Photo: Jose Huelva

Zaragoza - Spain - Expo 2008

High-performance ground recessed luminaire equipped with new LEDs to ensure high energy saving and long lamp life. The suggestive luminous emission of warm white and neutral white (on demand) colour temperatures underscores details, small elements and colours of green areas where Light up Garden is installed.

This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exteriors lighting systems catalogue.



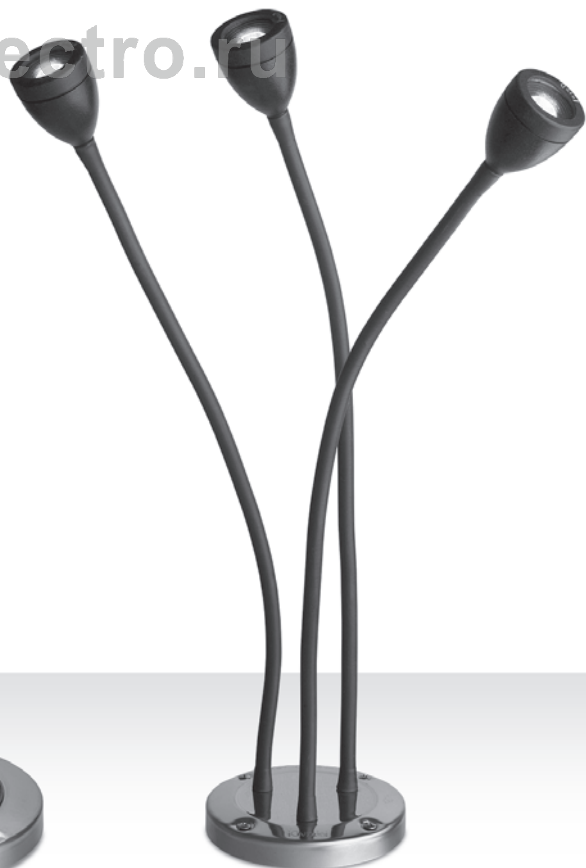
Visual comfort

	luminaire	code	optic	lamp	t °C
large body		7199		20 W HIT (G12)	70
small body		7111		3x1,2 W LED neutral white	40
		7112		3x1,2 W LED warm white	
		7196		3x3 W LED neutral white	40
		7197		3x3 W LED warm white	

Codes against grey background supplied on demand

accessories	code
Anti-glare grid Colour 04	BZA3 for 7199

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design Gianfranco Paghiera





Photo: Giuseppe Saluzzi



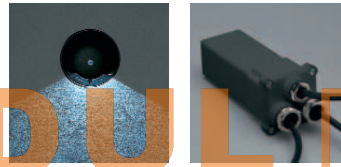
Modena - Italy - Private residence

Developed and designed for drive-over routes, this ground recessed luminaire with grazing light emission illuminates the space while integrating perfectly in the surrounding area. The introduction of the 20W HIT light source with electronic control gear increases the performance of Light up Balisage, ensuring long lamp life and high luminous efficiency and reducing the upward emission of the light flux. Available for versions with one-side and three-side luminous emission.

This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exterior lighting systems catalogue.

Luminous efficiency and long lamp life

IP67 box with electronic control gear



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luminaire	code	lamp	t °C
<p>box 210x74xh74</p>	BF90	20 W HIT (PGJ5)	70
<p>box 210x74xh74</p>	BF91	20 W HIT (PGJ5)	

installation systems	code
<p>Casing Colour 04</p>	5935





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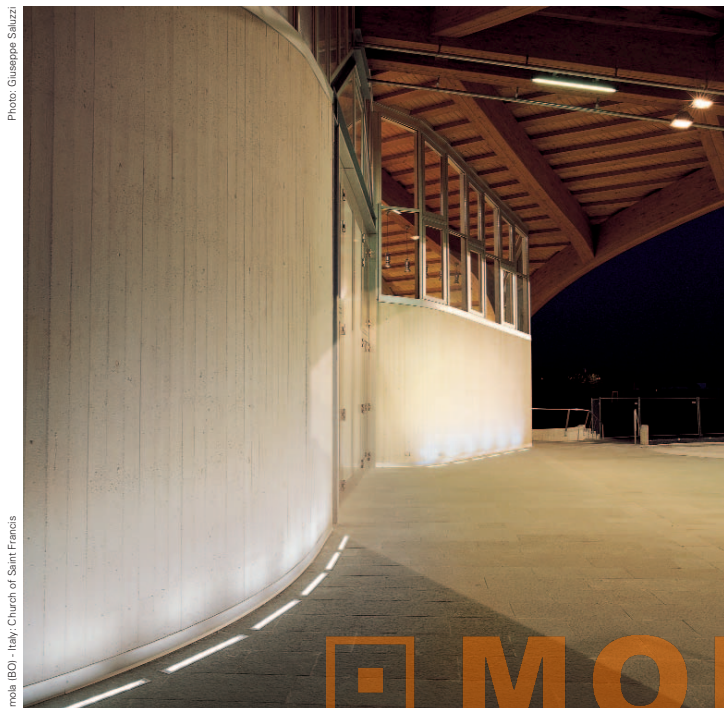


Photo: Giuseppe Saluzzi

Imole (BO) - Italy: Church of Saint Francis

In order to exalt the flexibility and adaptability of Linealuce, iGuzzini delivers an innovative elliptical optic for wall-mounted and ground-recessed LED versions. The light sources are equipped with a special optic that creates a wall-washing effect and enlarges the light beam elliptically, thus favouring surfaces with horizontal and vertical development. It is the ideal luminaire for continuous line applications because it eliminates shadows and ensures excellent luminous continuity.

The warm white and neutral white colour temperatures deliver warm and natural light, respectively, to enhance different shades and materials (steel, stone, etc.) according to the specific architectural element.



Elliptical optic

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	luminaire	code	length	lamp	casing*
wall-mounted		BD65	1238	△ 28x1,2 W LED neutral white	-
		BD66	1238	△ 28x1,2 W LED warm white	-
recessed		BD69	1268	△ 28x1,2 W LED neutral white	5904
		BD70	1268	△ 28x1,2 W LED warm white	5904

This is an enlargement of the range. For more information on the complete line, please refer to the interiors/exterior lighting systems catalogue.

Recessed and ceiling-mounted products (L=942 mm surface-mounted, L=972 mm recessed) with 21x1W neutral white (4200K) and warm white (3100K) LEDs are available on request. Products are supplied with electronic power supply.



















* Available in colour 04














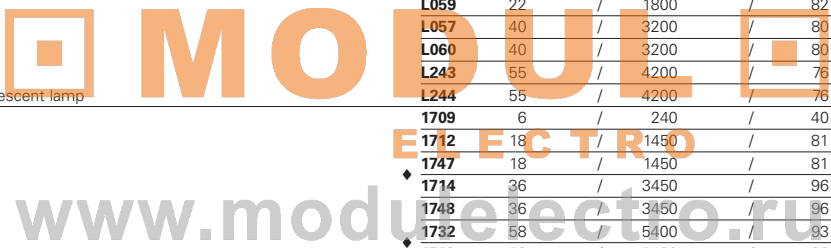
Lamps











iGuzzini

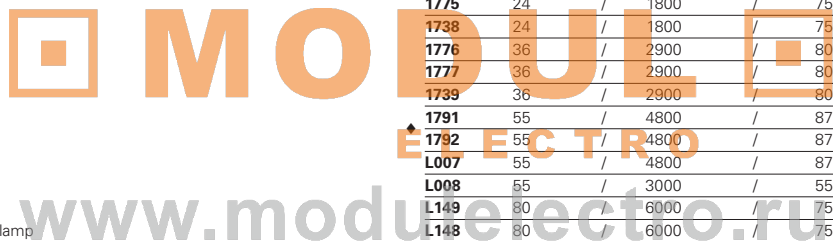
* products not available for discontinued production of major manufacturers.






















			code	W wattage	V voltage	lm lum. flow	cd lum. intens.	lm/W lum. effic.	K colour temp.	CRF	socket	ø mm	
	A 60	Frosted spherical lamp	1725	60	230	730	/	12	2800	100	E27	60	
			1728	75	230	950	/	13	2800	100	E27	60	
			1726	100	230	1380	/	14	2800	100	E27	60	
			L025	150	230	2220	/	15	2800	100	E27	65	
	A 65	Frosted spherical lamp	* L093	60	230	490	/	8	2800	100	E27	95	
			* L094	100	230	890	/	9	2800	100	E27	95	
			* L095	150	230	1800	/	12	2800	100	E27	95	
	G 95	Globe incandescent lamp											
	R 50	α 35°	1685	40	230	/	430	/	2800	100	E14	50	
	R 63	α 35°	1643	60	230	/	960	/	2800	100	E27	63	
	R 80	α 80°	1647	75	230	/	345	/	2800	100	E27	80	
	R 95	α 35°	1651	100	230	/	1350	/	2800	100	E27	95	
	PAR 16	Flood α 35°	L151	50	230	/	800	/	2800	100	GZ10	51	
		Spot α 10°	L817	50	230	/	3000	/	2900	100	E27	64	
		Flood α 30°	L818	50	230	/	1000	/	2900	100	E27	64	
		Spot α 10° (Halopar 20 Osram)	L233	50	230	/	3200	/	2900	100	E27	64	
	PAR 20	Flood α 30° (Halopar 20 Osram)	L234	50	230	/	1100	/	2900	100	E27	64	
		Spot α 10°	L015	75	230	/	6500	/	2900	100	E27	97	
		Flood α 30°	L016	75	230	/	2000	/	2900	100	E27	97	
		Spot α 10°	1809	100	230	/	9000	/	2900	100	E27	97	
	PAR 30S	Flood α 30°	1810	100	230	/	3000	/	2900	100	E27	97	
	PAR 38	Spot α 12°	1655	120	230	/	9300	/	2800	100	E27	122	
		Flood α 30°	1654	80	230	/	1800	/	2800	100	E27	122	
		Flood cool beam α 30°	1656	120	230	/	3100	/	2800	100	E27	122	
			1658	120	230	/	9300	/	2800	100	E27	122	
	PAR 36	WFL α 30°	1665	50	12	/	1300	/	3000	100	M4	111	
	PAR 56	NSP α 9°/15°	1659	300	230	/	40000	/	3000	100	GX16d	179	
		MFL α 11°/25°	1660	300	230	/	22000	/	3000	100	GX16d	179	
		WFL α 16°/40°	1661	300	230	/	9000	/	3000	100	GX16d	179	
		Superspot α 4°	1634	50	12	/	40000	/	3000	100	G53	111	
		Superspot α 8°	1635	50	12	/	20000	/	3000	100	G53	111	
		Superspot α 24°	1636	50	12	/	4000	/	3000	100	G53	111	
		Superspot α 8°	1637	75	12	/	30000	/	3000	100	G53	111	
		Superspot α 24°	1638	75	12	/	5300	/	3000	100	G53	111	
		Superspot α 45°	1639	75	12	/	2000	/	3000	100	G53	111	
		Superspot α 8°	1644	100	12	/	48000	/	3000	100	G53	111	
		Superspot α 24°	1645	100	12	/	8500	/	3000	100	G53	111	
			QR 111	Superspot α 45°	1650	100	12	/	2800	/	3000	100	G53
AR 70 α 8°	1819			50	12	/	12500	/	3000	100	BA15d	70	
AR 70 α 24°	1820			50	12	/	2600	/	3000	100	BA15d	70	
	QR CBC 35	Halogen lamp with dichroic reflector α 10°	L113	20	12	/	4500	/	3000	100	GU4	35	
		Halogen lamp with dichroic reflector α 38°	L114	20	12	/	700	/	3000	100	GU4	35	
		Halogen lamp with dichroic reflector α 10°	1605	35	12	/	7200	/	3000	100	GU4	35	
		Halogen lamp with dichroic reflector α 20°	1606	35	12	/	3100	/	3000	100	GU4	35	
		Halogen lamp with dichroic reflector α 38°	1607	35	12	/	1350	/	3000	100	GU4	35	
		Halogen lamp with dichroic reflector α 10°	1698	20	12	/	5000	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 38°	1699	20	12	/	780	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 10° (Decostar 51 ES Osram)	L255	20	12	/	8000	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 24° (Decostar 51 ES Osram)	L256	20	12	/	2300	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 36° (Decostar 51 ES Osram)	L257	20	12	/	1000	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 60° (Decostar 51 ES Osram)	L258	20	12	/	450	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 10° (Decostar 51 ES Osram)	L214	35	12	/	12500	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 24° (Decostar 51 ES Osram)	L215	35	12	/	4400	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 36° (Decostar 51 ES Osram)	L216	35	12	/	2200	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 60° (Decostar 51 ES Osram)	L221	35	12	/	1100	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 10° (Decostar 51 ES Osram)	L227	50	12	/	15000	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 24° (Decostar 51 ES Osram)	L228	50	12	/	5700	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 36° (Decostar 51 ES Osram)	L229	50	12	/	2850	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 60° (Decostar 51 ES Osram)	L230	50	12	/	1430	/	3000	100	GU5,3	51	
		Halogen lamp with dichroic reflector α 10°	1695	50	12	/	12500	/	3000	100	GU5,3	51	
Halogen lamp with dichroic reflector α 24°	L050	50	12	/	4400	/	3000	100	GU5,3	51			
Halogen lamp with dichroic reflector α 38°	1696	50	12	/	2200	/	3000	100	GU5,3	51			
Halogen lamp with dichroic reflector α 60°	L080	50	12	/	1100	/	3000	100	GU5,3	51			
	XENON	Clear	L150	8,5	12	67	/	12	2800	100	T-3 1/4	8,5	
	XELOGEN	Clear	L112	10	12	125	/	12	2800	100	G4	9,3	
			1815	5	12	60	/	10	3000	100	G4	9	
			1816	10	12	130	/	10	3000	100	G4	9	
	QT 9	Halogen lamp	1674	20	12	320	/	18	3000	100	G4	9	

			code	W wattage	V voltage	lm lum. flow	cd lum. intens.	lm/W lum. effic.	K colour temp.	CRF	socket	ø mm
			1824	35	12	600	/	19	3000	100	GY6,35	12
			1668	50	12	930	/	18	3000	100	GY6,35	12
			1691	75	12	1450	/	18	3000	100	GY6,35	12
			1759	100	12	2200	/	24	3000	100	GY6,35	12
	QT 12	Halogen lamp	1669	100	24	2200	/	20	3000	100	GY6,35	12
			L067	25	230	250	/	10	2900	100	G9	14
			L118	40	230	460	/	12	2900	100	G9	14
			L115	60	230	790	/	13	2900	100	G9	14
	QT 14	Halogen lamp	L116	75	230	1050	/	14	2900	100	G9	14
			1687	75	230	1050	/	13	3000	100	B15d	18
			1688	100	230	1430	/	14	3000	100	B15d	18
	QT 18	Halogen lamp	1689	150	230	2400	/	15	3000	100	B15d	18
		Halogen lamp Clear	L192	150	230	2500	/	16	2900	100	E27	32
			1662	75	230	1050	/	13	2900	100	E27	32
			1663	100	230	1470	/	13	2900	100	E27	32
			1666	150	230	2400	/	16	2900	100	E27	32
		Halogen lamp Acid etched	L172	250	230	4200	/	17	2900	100	E27	32
	QT 32	Halogen lamp Clear	L026	250	230	4350	/	17	2900	100	E27	32
			L017	150	230	2400	/	16	3000	100	R7s	12
			1667	200	230	3800	/	16	3000	100	R7s	12
	QT-DE 12	Halogen lamp	1671	300	230	5600	/	17	3000	100	R7s	12
			L033	100	230	1600	/	16	3000	100	R7s	12
	QT-DE 12	Halogen lamp (75 mm)	1785	150	230	2400	/	17	3000	100	R7s	12
	T-R 32	Fluorescent lamp	1679	32	/	2050	/	64	4300	86	G10q	311
			1680	40	/	2900	/	73	4300	86	G10q	413
			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
			L244	55	/	4200	/	76	4000	85	2Gx13	300
	T 16-R	Circular fluorescent lamp	1709	6	/	240	/	40	4000	66	G5	16
			1712	18	/	1450	/	81	4000	85	G13	26
			1747	18	/	1450	/	81	3000	85	G13	26
			1714	36	/	3450	/	96	4000	85	G13	26
			1748	36	/	3450	/	96	3000	85	G13	26
			1732	58	/	5400	/	93	4000	85	G13	26
			1749	58	/	5400	/	93	3000	85	G13	26
			L003	58	/	5200	/	90	2700	85	G13	26
			L004	58	/	3750	/	65	3000	95	G13	26
			L005	58	/	5000	/	86	6000	85	G13	26
	T 26 (T8)	Fluorescent lamp	L006	58	/	3700	/	64	6500	97	G13	26
			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
			L147	80	/	6150	/	88	4000	86	G5	16
	T 16 (T5)	Fluorescent lamp	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
	T 16 (T5)	Coloured fluorescent	L205	28	/	700	/	25	blue	/	G5	16





























	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) Coloured fluorescent	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	
	L159	54	/	1150	/	24	blue	/	G5	16	
	L294	24	/	1750	/	/	3000	>80	G5	16	
	L295	24	/	1750	/	/	4000	>80	G5	16	
	L296	24	/	1650	/	/	6500	>80	G5	16	
	L297	39	/	3100	/	/	3000	>80	G5	16	
	L299	39	/	3100	/	/	4000	>80	G5	16	
	L300	39	/	2900	/	/	6500	>80	G5	16	
	L302	54	/	4450	/	/	3000	>80	G5	16	
	L303	54	/	4450	/	/	4000	>80	G5	16	
	 T 16 (T5) Fluorescente (Seamless Osram)	L304	54	/	4050	/	/	6500	>80	G5	16
1797		7	/	400	/	57	4000	86	G23	/	
1805		7	/	400	/	57	2700	86	G23	/	
1729		9	/	600	/	67	2700	82	G23	/	
 TC Fluorescent lamp		1730	11	/	900	/	82	2700	82	G23	/
		1798	7	/	400	/	57	4000	86	2G7	/
1804		7	/	400	/	57	2700	86	2G7	/	
 TC-EL Fluorescent lamp		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	/
		1775	24	/	1800	/	75	3000	85	2G11	/
		1738	24	/	1800	/	75	2700	85	2G11	/
	1776	36	/	2900	/	80	4000	85	2G11	/	
	1777	36	/	2900	/	80	3000	85	2G11	/	
	1739	36	/	2900	/	80	2700	85	2G11	/	
	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	/	
 TC-L Fluorescent lamp	L149	80	/	6000	/	75	4000	95	2G11	/	
	L148	80	/	6000	/	75	3000	95	2G11	/	
 TC-DD Fluorescent lamp	1731	16	/	1050	/	66	2800	82	GR8	/	
	1740	10	/	600	/	60	2700	85	G24d-1	/	
	1741	13	/	900	/	69	2700	85	G24d-1	/	
	1806	13	/	900	/	69	4000	85	G24d-1	/	
	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	/	
	 TC-D Fluorescent lamp	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	/	
	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	/		
 TC-DEL Fluorescent lamp	L078	26	/	1800	/	69	4000	85	G24q-3	/	
	1826	26	/	1800	/	69	4000	86	GX24d-3	/	
 TC-T Fluorescent lamp	1828	26	/	1800	/	69	3000	86	GX24d-3	/	
	1829	26	/	1800	/	69	2700	86	GX24d-3	/	
	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	/	
	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	/	
 TC-TEL Fluorescent lamp	L121	57	/	4300	/	75	2700	86	GX24q-5	/	
	L122	57	/	4300	/	75	3000	86	GX24q-5	/	
	L123	57	/	4300	/	75	4000	86	GX24q-5	/	






	code	W wattage	V voltage	lm lum. flow	cd lum. intens.	lm/W lum. effic.	K colour temp.	CRF	socket	ø mm
	TC-TEL	Fluorescent lamp (Philips PL-H)								
	L106	60	/	4000	/	67	3000	80	2G8	/
	L107	60	/	4000	/	67	4000	80	2G8	/
	L108	85	/	6000	/	69	3000	80	2G8	/
	L109	85	/	6000	/	69	4000	80	2G8	/
	L110	120	/	9000	/	73	3000	80	2G8	/
	L111	120	/	9000	/	73	4000	80	2G8	/
	L217	14	/	1200	/	86	3000	82	GR14q-1	41
	L218	14	/	1200	/	86	4000	82	GR14q-1	41
	L219	17	/	1500	/	88	3000	82	GR14q-1	41
	L220	17	/	1500	/	88	4000	82	GR14q-1	41
	PL-R	Fluorescent lamp								
	L065	8	/	400	/	50	2700	82	E14	40
	TC-DSE	Electronic fluorescent								
	L308	11	/	600	/	54	2500	82	E27	40
	TC-DSE	Electronic fluorescent (Philips)								
	L309	11	/	575	/	52	6500	82	E27	40
	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	23	/	1500	/	65	4000	82	E27	43
	L191	23	/	1500	/	63	2700	82	E27	43
	L185	30	/	1900	/	63	4000	82	E27	43
	L305	11	/	600	/	54	2500	82	E27	43
	L306	11	/	600	/	54	4000	82	E27	43
		TC-TSE	Electronic fluorescent							
L231		33	/	2250	/	65	2700	82	E27	/
	TC-TSE	Electronic fluorescent (Osram)								
	L232	33	/	2150	/	64	6500	76	E27	/
	TC-TEL	Fluorescent lamp (Philips PL-E)								
	L096	12	/	625	/	52	2700	82	E27	95
	TCG-SE	Globe fluorescent lamp								
	L097	20	/	1100	/	55	2700	82	E27	120
	ML-F	Circular fluorescent lamp								
	L117	7	/	220	/	31	4000	85	GX53	75
	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
	1743	250	/	13000	/	52	3900	69	E40	90
	1783	400	/	22000	/	55	3800	50	E40	120
	1770	75	/	5500	/	73	4300	85	Rx7s	20
		HME	H.P. mercury lamp.							
1744		75	/	5000	/	67	3000	80	Rx7s	20
1745		150	/	11250	/	75	4300	85	Rx7s	23
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
L064		150	/	12900	/	86	4200	85	Rx7s	25
L235		50	/	4150	/	88	2800	80	E27	32
L087		70	/	6300	/	88	2800	83	E27	32
		HIT	Metal halide lamp (Philips CDO-TT)							
	L124	100	/	8800	/	91	2800	83	E40	46
	L073	150	/	13500	/	92	2800	85	E40	46
	1778	250	/	20000	/	80	5300	95	E40	46
	HIT	Metal halide lamp (Osram)								
	1779	400	/	32000	/	69	6100	95	E40	46
	HIT	Metal halide lamp (Philips)								
	L156	400	/	35000	/	90	4300	65	E40	47
	HIT	Metal halide lamp (G.E.)								
	L081	250	/	24000	/	80	3000	85	E40	48
	HIT	Metal halide lamp (BLV TOP FLOOD)								
	L082	400	/	25000	/	69	5200	85	E40	46
	HIT-DE	Metal halide lamp								
	1802	250	/	20000	/	80	3200	80	Fc2	62
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
	HIT	Metal halide lamp (Mastercolour Philips CDM-Tm)								
	L160	20	/	1650	/	75	3000	85	PGJ5	17
L223	35	/	3000	/	77	3000	90	PGJ5	17	
	HIT	Metal halide lamp (Powerball HCI-T Osram)								
	L193	35	/	3600	/	95	3000	83	G12	19
	L289	35	/	3500	/	92	4200	90	G12	19
	L194	70	/	7300	/	100	3000	88	G12	19
	L195	150	/	15000	/	106	3000	88	G12	25
	1768	35	/	3300	/	77	3000	81	G12	20
	L290	35	/	3300	/	81	4200	90	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	Metal halide lamp (Mastercolour Philips CDM-T)								
	L170	250	/	23000	/	94	3000	89	G12	23
	HIT	Metal halide lamp (BLV)								
	L071	70	/	5600	/	75	4200	/	G12	23
L070	70	/	6000	/	71	3000	/	G12	23	

Lamps

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			code	W wattage	V voltage	lm lum. flow	cd lum. intens.	lm/W lum. effic.	K colour temp.	CRF	socket	ø mm
			L237	35	/	3500	/	100	3000	90	G12	20
			L238	70	/	7300	/	104	3000	90	G12	20
	HIT	Metal halide lamp (Mastercolour Philips CDM-T Elite)	L239	150	/	15000	/	100	3000	90	G12	20
	HIT	Metal halide lamp (constant color CMH-GE)	L225	20	/	1650	/	82	3000	80	G12	20
	HIT	Metal halide lamp (Osram)	1676	70	/	5200	/	74	3000	80	G12	25
			1677	150	/	13000	/	80	3000	80	G12	25
	HIT	Metal halide lamp (Mastercolour Philips CDM-T Elite MW)	L266	210	/	24200	/	115	3000	90	PGZ18	28
			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	Metal halide lamp (Powerball HCI-TC Osram)	L291	35	/	3400	/	92	4200	90	G8,5	15
	HIT	Metal halide lamp (constant color CMH-GE) (CDM-TC)	L072	20	/	1650	/	83	3000	80	G8,5	14
			L052	35	/	3300	/	87	3000	81	G8,5	14
			L292	35	/	3300	/	87	4200	90	G8,5	14
	HIT	Metal halide lamp (Mastercolour Philips CDM-TC)	L053	70	/	6600	/	93	3000	83	G8,5	14
			L181	60	/	6600	/	120	2850	70	PGZ12	19
	HIT	H.P. sodium lamp. (Philips CPO-TW)	L171	140	/	16500	/	120	2850	70	PGZ12	19
			L240	35	/	3500	/	100	3000	90	G8,5	14
	HIT	Metal halide lamp (Mastercolour Philips CDM-TC Elite)	L241	70	/	7300	/	104	3000	90	G8,5	15
			L226	20	/	1700	/	85	3000	85	GU6,5	13
			L313	35	/	3400	/	97	3000	88	GU6,5	13
	HIT	Metal halide lamp (Powerball HCI-TF Osram)	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
	HIT	Metal halide lamp (Mastercolour Philips CDM-R111) α 10°	L165	70	/	2850	50000	41	2900	84	GX8,5	111
			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
	HIE	Metal halide lamp (Osram) Acid etched (HIE/M)	L084	70	/	4900	/	70	3800	85	E27	54
			1746	250	/	19000	/	76	6000	85	E40	90
	HIE	Metal halide lamp (Osram) Acid etched (HIE/E/P)	L024	400	/	32000	/	76	5200	90	E40	120
			L174	70	/	5300	/	73	4200	93	E27	54
			L175	150	/	12000	/	87	4200	94	E27	54
	HIE	Metal halide lamp (Osram) Acid etched (HIE-E)	L190	250	/	24100	/	100	3000	89	E40	90
			L173	150	/	10500	/	70	3800	86	E27	55
	HIE	Metal halide lamp (Sylvania) Clear (HIE/C)*	L085	150	/	13000	/	86	4000	85	E27	54
			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	Metal halide lamp (Philips CDO-ET)	L126	150	/	12500	/	86	2800	82	E40	90
	HI-PAR 20	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	Metal halide lamp (Mastercolour Philips) α 10°	L011	70	/	4850	68000	91	3000	83	E27	97
			L012	70	/	4850	10000	91	3000	83	E27	97
	HI-PAR 51	Metal halide lamp (Sylvania Brite Spot) α 24°	L182	35	/	/	7000	/	3000	90	GX10	51
			L183	35	/	/	4000	/	3000	90	GX10	51
			L184	35	/	/	2000	/	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	Metal halide lamp (constant color CMH MR16-GE) α 25°	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
	HST	H.P. sodium lamp.	1781	250	/	27000	/	108	2000	25	E40	46
			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

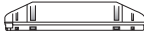





				code	W wattage	V voltage	lm lum. flow	cd lum. intens.	lm/W lum. effic.	K colour temp.	CRF	socket	ø mm
				1702	50	/	3500	/	70	2000	40	E27	70
				1700	70	/	5600	/	84	2000	40	E27	70
				1617	100	/	9500	/	95	2000	20	E40	75
				1701	150	/	14000	/	103	2000	40	E40	90
	HSE	H.P. sodium lamp	◆◆◆	1684	250	/	25000	/	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
	Q.L.	Induction		-	85	230	6000	/	70	4000	80	/	111
				-	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.

- ◆◆ BALLAST AND STARTER
- ◆◆ BALLAST
- ◆◆ BALLAST AND IGNITOR

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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
G400	50-150	50.000/70.000	6	IGBT	11,7	0,65	+75	<6	>1800	SELV	4	6	0,320	238x50x43
5587	50-200	30.000/45.000	4	IGBT	11,7	0,86	+80	<10	>1400	SELV	2	8	0,345	238x50x43
G401	50-105	30.000/45.000	4	IGBT	12	0,65	+75	<6	>1400	SELV	2	6	0,365	238x50x43
G402	50-200	30.000/45.000	4	IGBT-TRIAC	11,7	0,86	+80	<10	>1400	SELV	2	8	0,345	238x50x43
 G407	50-200	20.000/25.000	3	IGBT	11,5	0,87	+80	<11	>1100	SELV	2	8	0,330	238x50x34
6071	50-150	20.000/25.000	3	IGBT	11,5	0,65	+75	<8	>1100	SELV	2	8	0,330	238x50x34
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
G404	35-105	30.000/45.000	4	IGBT	11,6	0,49	+85	<4,5	>1400	SELV	2	6	0,130	168x48x17
5583	35-105	30.000/45.000	4	IGBT	11,6	0,49	+85	<4,5	>1400	SELV	2	2	0,130	168x48x17
G403	10-60	30.000/45.000	4	IGBT	11,6	0,26	+80	<4	>1400	SELV	2	6	0,120	168x48x17
5581	10-60	30.000/45.000	4	IGBT	11,6	0,26	+80	<4	>1400	SELV	2	2	0,120	168x48x17
5582	50-105	50.000/70.000	6	IGBT	11,6	0,49	+85	<4,5	>1800	SELV	2	6	0,130	168x48x17
 5580	20-60	50.000/70.000	6	IGBT	11,6	0,26	+80	<4	>1800	SELV	2	6	0,120	168x48x17
G406	35-105	20.000/25.000	3	IGBT	11,6	0,49	+75	<4,5	>1100	SELV	2	2	0,105	114x52x23
G405	20-70	20.000/25.000	3	IGBT	11,6	0,33	+75	<4	>1100	SELV	2	2	0,100	114x52x23
 6070	35-105	20.000/25.000	3	IGBT-TRIAC	11,6	0,49	+75	<4,5	>1100	SELV	2	2	0,105	114x52x23
6002	20-70	20.000/25.000	3	IGBT-TRIAC	11,6	0,33	+75	<4	>1100	SELV	2	2	0,100	114x52x23
 G409	35-105	10.000/15.000	2	IGBT	11,5	0,49	+75	<4	>1000	EQUIV. SELV	2	2	0,080	100x38x32
G408	20-60	10.000/15.000	2	IGBT	11,6	0,29	+75	<4	>1000	EQUIV. SELV	2	2	0,080	100x38x32

The electronic transformers have the following features in common:
230 V ±10% / 12 V o 240 V +6/-10% / 12V
Power factor 0,97/0,98


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 35015
- Soft Start lamp ignition "Soft Start"

-  Independent electronic transformer: can be installed separately, externally of a lighting appliance, without an additional housing.
-  Class II insulation: no earth connection required.
-  Thermally protected electronic transformer; 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.ti.

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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	6	lamp cable	0,400	152x87x39



The electronic power supplies, which can be used only with metal halide lamps with ceramic burner, have the following features in common:
230 V ±10% / 240 V +6/-10%
Power factor >0,97

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

-  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 power supplies suitable for installation on wood surfaces in compliance with DIN

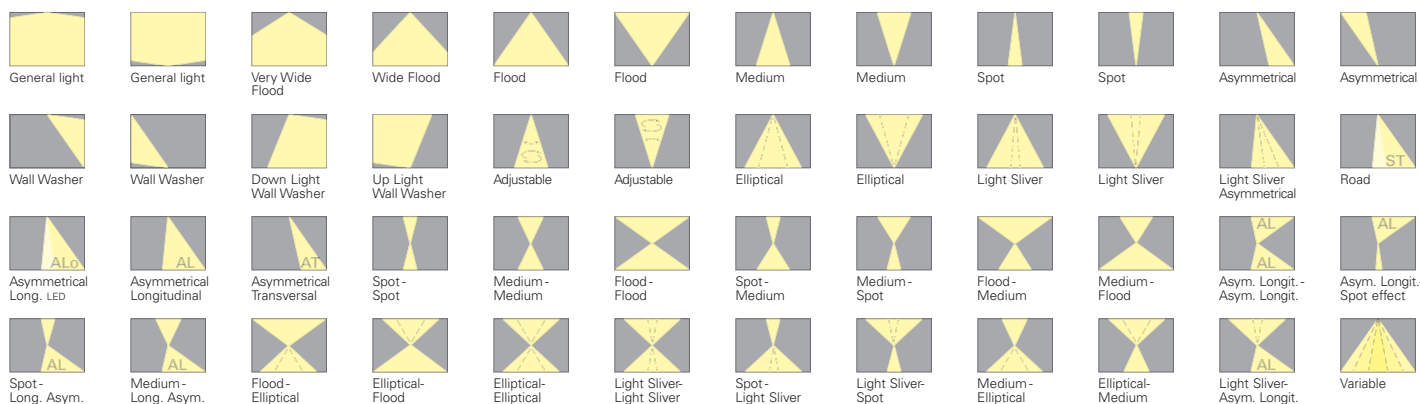
electronic dimmers

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.



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General conditions

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

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.

For those countries or areas where the luminaires are to be installed with thermal and microclimatic references which are different from those foreseen (e.g.: swimming pools, premises subject to the risk of explosion, etc...), we invite you to contact us. For the correct installation of the luminaires, always consult the instruction sheet provided with the product.

GUARANTEE

In compliance with the European regulations we guarantee our products against defects for two years from date of invoice by filing a claim no later than two months after noticing the defect. However, iGuzzini can grant an additional warranty against defects of products for 3 years after the two-year warranty upon on-line registration at www.iguzzini.com and acceptance of specific conditions.


INFORMATION






































For enquiries, remarks and service needs, please contact the reference company for your geographical area (see details in this catalogue).

Code/page reference

iGuzzini

 = European unified seal
 * = ENEC mark pending by 2010

 = Italian Quality Seal Institute (photometric data)
 ● = non-electrified components

code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	
0043	225	•	0.1				1566	141	•					4662	130						
0045	225	•	0.07				1570	141	•					5306	97						
0047	223	•	0.1				1585	141	•					5307	97						
0227	161-167	•					1588	141	•					5308	97						
	179-181						1597	161-181	•					5310	97						
	189							189						5311	97						
0234	224	•	0.02				1598	161-181	•					5312	97						
0245	212	•	0.1					189						5580	61		0.1				
0246	141-161	•					1599	161-181	•					5581	61		0.1				
	179-181							189						5582	61-115		0.1				
	189						1841	160-178	•	3.6				5583	61-115		0.1				
1106	47	•	0.01				1842	160-180	•	10.1				5584	61		0.2				
1111	47	•						189						5585	61-115		0.2				
1165	140-161	•					1843	160-178	•	9.6				5586	61-115		0.4				
	179-181							180						5587	61-115		0.4				
	189						1850	178-189	•	3.7				5904	229	•					
1167	140	•					1862	161-167	•	0.4				5935	228	•					
1168	161-179	•						179-181						5951	156	•					
1176	188	•	0.7					189						5981	166	•					
1177	188	•	0.6				1863	141-161	•	0.4				5982	166	•					
1180	206	•	0.1					179-181						5983	166	•					
1192	21-27	•	0.1					189						5984	166	•					
1203	178-189	•	39.2				1864	167	•	0.1				5985	166	•					
1205	161-178	•	54.6				1865	161-179	•					5987	166	•					
	189							181-189						5989	166	•					
1274	179	•					1870	167	•					5990	166	•					
1275	167	•	29.0				1871	167	•	4.0				5994	166	•					
1278	167	•	39.0				1880	161	•					5997	212	•					
1281	167	•					1902	212	•	0.07				5998	212	•					
1283	167	•					1903	212	•	0.01				6012	160	•					
1287	161	•					1904	212	•	0.05				6013	160	•					
1288	161	•					1905	212	•	0.1				6014	160	•					
1291	161-178	•					1909	141	•					6015	160	•					
	181						1910	141	•					6107	166	•	0.09				
1292	161-178	•					2920	108-109	•	0.2				6108	166	•	0.16				
1344	178-189	•	49.0				2921	108-109	•	0.3				6109	166	•	0.14				
1506	140	•					2922	108-109	•	0.6				6110	166	•					
1507	140	•					2923	108-109	•	0.8				6111	160	•					
1508	140	•					2931	27	•					6112	160	•					
1509	140	•					2932	27	•					6113	160	•					
1511	141	•					2933	27	•					6114	160	•					
1515	141	•					2934	27	•					6115	160	•					
1518	178	•					2935	27	•					6116	160	•					
1519	179	•					2943	27	•					6117	160	•					
1520	179	•					2944	27	•					6118	160	•					
1521	178	•					2945	27	•					6119	160	•					
1522	179	•					2946	27	•					6120	178	•					
1523	179	•					2947	27	•					6121	178	•					
1524	179	•					2948	27	•					6122	178	•					
1528	179	•					2949	27	•					6123	178	•					
1542	161-181	•					3001	103						6124	177	•					
	189						3003	103						6129	177	•					
1543	161-181	•					3019	103						6130	180	•					
	189						3031	103						6131	180	•					
1544	161-181	•					3055	103						6132	180	•					
	189						3083	97						6134	180	•					
1545	161-179	•					3085	97						6136	156						
	181						3086	97						6137	156						
1546	179-181	•					3094	97						6138	156						
1547	161-179	•					3096	97						6139	156						
	181						3097	97						6140	156						
1548	179-181	•					3221	103						6141	156						
1552	179-181	•					4437	115	•	0.4				6142	156						
1554	179-181	•					4466	115	•	0.3				6143	156						
1555	179	•					4467	115	•					6144	156						
1556	179	•					4492	206	•					6145	156						
1558	179	•					4493	206	•					6146	156						
1559	179	•					4498	21-27	•	0.1				6147	156						
1561	161-181	•					4659	130						6148	156						
1562	161-181	•					4660	130						6149	156						
1565	161-181	•					4661	130						6150	156						

Code/page reference

iGuzzini

code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	
6151	156	☞*					7388	188	☞	6.9				9908	9	☞*					
6475	27	☞					7392	188	☞	4.2				B512	221	•					
6476	27	☞					7393	188	☞	4.3				B514	221	•					
6477	27	☞					7394	188	☞	8.4				B915	217	•					
6478	27	☞					7395	188	☞	8.8				B943	141-161	•					
6479	27	☞					7396	188	☞	6.0					179-181						
6480	27	☞					7397	188	☞	7.0					189						
6481	27	☞					7399	188	☞	6.9				B944	141-161	•					
6482	27	☞					7444	188	☞	6.0				B958	226	•					
6483	27	☞					7445	188	☞	6.9				B963	226	•					
6485	27	☞					7499	188	☞	6.9				B972	161-179	•					
6486	27	☞					7698	188	☞						181-189						
6487	27	☞					7699	188	☞					B999	179-181	•					
6488	27	☞					8658	55	•	0.03				BA46	188	☞					
6489	27						8673	55	•	0.03				BC45	188	☞					
6490	27						8773	27	•	0.01				BC46	188	☞					
6491	27						8782	37	•	0.06				BC56	176	☞					
6492	27						8783	21-212	•	0.05				BC57	176	☞					
6493	27	☞					8784	21-212	•	0.2				BC58	176	☞					
6494	27	☞					8786	37	•	0.06				BC59	176	☞					
6495	27	☞					8787	21	•	0.05				BC60	176	☞					
6496	27	☞					8902	27	•	0.2				BC61	176	☞					
6497	27	☞					8938	97	•	0.1				BC62	176	☞					
6498	27	☞					8961	97	•	1.0				BC63	176	☞					
6662	97	•					8962	97	•	2.0				BC64	176	☞					
6663	97	•					8963	97	•	3.0				BC65	176	☞					
6664	97	•					8964	97	•	4.0				BC66	176	☞					
6665	97	•					8965	97	•	0.01				BC67	176	☞					
6757	121	☞					8966	97	•	0.06				BC68	176	☞					
6758	121	☞					8967	97	•	0.06				BC69	176	☞					
6759	121	☞					9405	37	•					BC70	176	☞					
6760	121	☞					9415	37	•					BC71	176	☞					
6761	121	☞					9425	37	•					BC72	176	☞					
6762	121	☞					9433	37	•					BC73	176	☞					
6763	121	☞					9435	37	•					BC74	176	☞					
6764	121	☞					9463	37	•					BC75	176	☞					
6765	121	☞					9516	27	•	0.03				BC76	176	☞					
6828	27	•					9517	27	•					BC77	176	☞					
6829	27	•					9518	27	•					BC78	176	☞					
6830	27	•					9536	27	•	0.03				BC79	176	☞					
6831	27	•					9537	21-27	•					BC80	176	☞					
6832	27	•					9538	27	•	0.03				BC81	176	☞					
6833	27	•					9541	27	•	0.02				BC82	176	☞					
6836	121	•					9581	217-221	•					BC83	176	☞					
6838	27	•					9582	217	•	0.6				BC84	176	☞					
6839	27	•					9637	13	☞*					BC85	176	☞					
6840	27	•					9680	121	•					BC86	176	☞					
6841	27	•					9681	121	•					BC87	176	☞					
6842	27	•					9682	121	•					BC88	176	☞					
6843	27	•					9683	121	•					BC89	176	☞					
6844	27	•					9684	121	•					BC90	176	☞					
6845	27	•					9685	121	•					BC91	176	☞					
6848	27	•					9686	115	•					BC92	176	☞					
6849	27	•					9687	115	•					BC93	176	☞					
6856	121	•					9688	115	•					BC94	176	☞					
6858	27	•					9689	77-115	•					BC95	176	☞					
6859	27	•					9695	77	•					BC96	176	☞					
6860	27	•					9708	9	☞*					BC97	176	☞					
6861	27	•					9709	13	☞*					BC98	176	☞					
6862	27	•					9711	9	☞*					BC99	176	☞					
6863	27	•					9712	13	☞*					BD00	176	☞					
6879	199-206	•					9715	13	☞*					BD01	176	☞					
6880	206	•					9718	9	☞*					BD02	176	☞					
6881	199	•					9719	9	☞*					BD03	176	☞					
6898	21	•					9720	9	☞*					BD04	176	☞					
6993	127-128	•					9721	9	☞*					BD05	176	☞					
7010	147	☞*					9722	9	☞*					BD06	140	☞*☞					
7111	227	☞*					9723	9	☞*					BD07	140	☞*☞					
7112	227	☞*					9745	9	☞*					BD08	140	☞*☞					
7196	227	☞*					9746	9	☞*					BD13	178	•					
7197	227	☞*					9747	9	☞*					BD14	178	•					
7199	227	☞*					9748	9	☞*					BD15	178	•					
7369	188	☞	8.8				9749	9	☞*					BD16	178	•					
7376	188	☞	6.0				9750	9	☞*					BD17	178	•					
7377	188	☞	6.0				9751	9	☞*					BD18	178	•					
7378	188	☞	7.0				9752	9	☞*					BD19	178	•					
7379	188	☞	6.0				9753	9	☞*					BD20	178	•					
7380	188	☞	6.9				9754	9	☞*					BD21	178	•					
7387	188	☞	6.0				9843	13	☞*					BD22	212	☞					

Code/page reference

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code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	
BD23	212	☞					BE56	206	☞					BF58	145	☞*☞					
BD25	212	☞					BE57	206	☞					BF59	145	☞*☞					
BD26	212	☞					BE58	206	☞					BF60	145	☞*☞					
BD27	212	☞					BE59	206	☞					BF61	145	☞*☞					
BD28	212	☞					BE60	206	☞					BF62	149	☞*☞					
BD29	212	☞					BE62	206	☞					BF63	149	☞*☞					
BD30	212	☞					BE63	206	☞					BF64	147	☞*☞					
BD31	212	☞					BE64	206	☞					BF65	149	☞*☞					
BD32	198	☞					BE67	206	☞					BF66	149	☞*☞					
BD33	198	☞					BE88	140	☞*☞					BF67	149	☞*☞					
BD34	198	☞					BE89	140	☞*☞					BF68	149	☞*☞					
BD35	198	☞					BE90	140	☞*☞					BF69	145	☞*☞					
BD36	198	☞					BE91	140	☞*☞					BF70	145	☞*☞					
BD37	198	☞					BE92	140	☞*☞					BF71	145	☞*☞					
BD38	198	☞					BE93	140	☞*☞					BF72	145	☞*☞					
BD40	198	☞					BE94	140	☞*☞					BF73	149	☞*☞					
BD41	198	☞					BE95	140	☞*☞					BF74	149	☞*☞					
BD42	198	☞					BE96	140	☞*☞					BF75	145	☞*☞					
BD43	198	☞					BE97	140	☞*☞					BF76	145	☞*☞					
BD44	198	☞					BE98	140	☞*☞					BF77	177	☞*☞					
BD45	198	☞					BE99	140	☞*☞					BF78	177	☞*☞					
BD46	198	☞					BF00	145	☞*☞					BF79	177	☞*☞					
BD47	198	☞					BF01	145	☞*☞					BF80	177	☞*☞					
BD48	198	☞					BF02	145	☞*☞					BF81	177	☞*☞					
BD49	198	☞					BF03	145	☞*☞					BF82	177	☞*☞					
BD52	198	☞					BF04	145	☞*☞					BF83	177	☞*☞					
BD53	198	☞					BF05	149	☞*☞					BF84	226	☞*☞					
BD54	198	☞					BF06	147	☞*☞					BF85	226	☞*☞					
BD55	198	☞					BF07	149	☞*☞					BF86	226	☞*☞					
BD56	198	☞					BF08	149	☞*☞					BF87	226	☞*☞					
BD57	198	☞					BF09	149	☞*☞					BF88	226	☞*☞					
BD58	198	☞					BF10	149	☞*☞					BF89	226	☞*☞					
BD59	198	☞					BF11	145	☞*☞					BF90	228	☞*☞					
BD61	198	☞					BF12	145	☞*☞					BF91	228	☞*☞					
BD62	198	☞					BF13	145	☞*☞					BF92	222	☞*☞					
BD65	229	☞*					BF14	145	☞*☞					BF93	222	☞*☞					
BD66	229	☞*					BF15	149	☞*☞					BF94	223	☞*☞					
BD69	229	☞*					BF16	149	☞*☞					BF95	223	☞*☞					
BD70	229	☞*					BF17	145	☞*☞					BF96	223	☞*☞					
BD80	225	☞					BF18	145	☞*☞					BF97	223	☞*☞					
BD81	225	☞					BF19	177	☞*☞					BF98	223	☞*☞					
BD83	225	☞					BF20	177	☞*☞					BF99	223	☞*☞					
BD84	225	☞					BF21	177	☞*☞					BG00	224	☞*☞					
BD85	176	☞					BF22	177	☞*☞					BG01	224	☞*☞					
BD86	176	☞					BF23	177	☞*☞					BG02	224	☞*☞					
BD87	149	☞☞					BF24	177	☞*☞					BG03	224	☞*☞					
BD88	149	☞☞					BF25	177	☞*☞					BG05	217	☞*☞					
BD89	149	☞☞					BF26	177	☞*☞					BG06	221	☞*☞					
BD90	149	☞☞					BF27	140	☞*☞					BZ38	140-145	•					
BD91	145	☞☞					BF28	140	☞*☞						149						
BD92	145	☞☞					BF29	140	☞*☞					BZ39	140-145	•					
BD93	145	☞☞					BF30	140	☞*☞						149						
BD94	145	☞☞					BF31	140	☞*☞					BZ40	177	•					
BD95	145	☞☞					BF32	140	☞*☞					BZ41	177	•					
BD96	145	☞☞					BF33	140	☞*☞					BZ42	177	•					
BD97	145	☞☞					BF34	140	☞*☞					BZ43	177	•					
BD98	145	☞☞					BF35	140	☞*☞					BZ44	180	•					
BD99	140	☞☞					BF36	140	☞*☞					BZ45	180	•					
BE00	140	☞☞					BF37	140	☞*☞					BZ46	180	•					
BE01	140	☞☞					BF38	140	☞*☞					BZ48	180	•					
BE02	217	☞*☞					BF39	140	☞*☞					BZ49	199	•					
BE03	217	☞*☞					BF40	140	☞*☞					BZ50	199	•					
BE04	217	☞*☞					BF41	140	☞*☞					BZ51	199	•					
BE05	217	☞*☞					BF42	140	☞*☞					BZ52	199	•					
BE06	217	☞*☞					BF43	140	☞*☞					BZ53	199	•					
BE07	221	☞*☞					BF44	140	☞*☞					BZ54	199	•					
BE08	221	☞*☞					BF45	145	☞*☞					BZ55	199	•					
BE09	221	☞*☞					BF46	145	☞*☞					BZ56	199	•					
BE10	221	☞*☞					BF47	145	☞*☞					BZ57	199	•					
BE11	221	☞*☞					BF48	145	☞*☞					BZ58	199	•					
BE12	221	☞*☞					BF49	145	☞*☞					BZ59	199	•					
BE13	221	☞*☞					BF50	145	☞*☞					BZ60	199	•					
BE49	206	☞					BF51	145	☞*☞					BZ61	199	•					
BE50	206	☞					BF52	145	☞*☞					BZ62	199	•					
BE51	206	☞					BF53	149	☞*☞					BZ63	199	•					
BE52	206	☞					BF54	149	☞*☞					BZ64	199	•					
BE53	206	☞					BF55	149	☞*☞					BZ65	199	•					
BE54	206	☞					BF56	149	☞*☞					BZ66	199	•					
BE55	206	☞					BF57	147	☞*☞					BZ67	199	•					

Code/page reference

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code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours
BZ68	199	•					G903	13	☞*					M247	61	☞*				
BZ69	199	•					G904	13	☞*					M248	61	☞*				
BZ70	199	•					G905	13	☞*					M249	125	☞*				
BZ71	199	•					G906	13	☞*					M250	125	☞*				
BZ72	199	•					G907	13	☞*					M251	125	☞*				
BZ73	199	•					G908	13	☞*					M252	125	☞*				
BZ74	199	•					G960	13	☞*					M253	125	☞*				
BZ75	199	•					G961	13	☞*					M255	44	☞*				
BZ76	199	•					G962	13	☞*					M256	44	☞*				
BZ77	199	•					G963	13	☞*					M257	44	☞*				
BZ78	199	•					G964	13	☞*					M258	44	☞*				
BZ79	199	•					G965	13	☞*					M259	44	☞*				
BZ80	199	•					G966	13	☞*					M260	44	☞*				
BZ83	199	•					G967	13	☞*					M261	44	☞*				
BZ84	199	•					G969	13	☞*					M262	44	☞*				
BZ85	199	•					GG04	13	☞*					M263	44	☞*				
BZ86	199	•					GG05	13	☞*					M264	44	☞*				
BZ87	199	•					GG07	13	☞*					M268	109	☞*				
BZ88	199	•					M147	115	☞					M269	109	☞*				
BZ89	199	•					M148	115	☞					M270	109	☞*				
BZ90	199	•					M149	115	☞					M271	109	☞*				
BZ91	199	•					M150	115	☞					M272	109	☞*				
BZ92	188	•					M151	115	☞					M273	109	☞*				
BZ93	188	•					M152	115	☞					M274	109	☞*				
BZ94	188	•					M153	115	☞					M275	109	☞*				
BZ95	188	•					M154	115	☞					M276	109	☞*				
BZ96	188	•					M155	115	☞					M277	109	☞*				
BZ97	217-221	•					M156	115	☞					M278	109	☞*				
BZ98	217	•					M157	115	☞					M279	109	☞*				
BZ99	217	•					M158	115	☞					M286	27	☞				
BZA0	217	•					M159	115	☞					M287	27	☞				
BZA1	140-145	•					M160	115	☞					M288	27	☞				
	212						M161	115	☞					M289	27	☞				
BZA2	212	•					M162	115	☞					M290	27	☞				
BZA3	212-227	•					M163	115	☞					M291	27	☞				
BZA4	212	•					M164	115	☞					M292	27	☞				
BZC2	141	•					M165	115	☞					M293	75	☞				
BZC5	141	•					M166	115	☞					M294	75	☞				
BZC6	141	•					M167	115	☞					M295	75	☞				
BZC8	149	•					M168	115	☞					M296	75	☞				
BZC9	145-178	•					M169	115	☞					M297	75	☞				
BZD0	226	•					M170	115	☞					M298	75	☞				
BZD1	226	•					M171	115	☞					M299	75	☞				
BZD2	222	•					M172	115	☞					M300	75	☞				
BZD3	222	•					M173	115	☞					M301	75	☞				
BZD4	222	•					M174	115	☞					M302	75	☞				
BZD5	222	•					M175	115	☞					M303	75	☞				
BZD6	156	•					M176	115	☞					M304	75	☞				
BZD7	156	•					M177	115	☞					M305	75	☞				
BZD8	156	•					M178	115	☞					M306	75	☞				
BZD9	156	•					M179	97	☞					M307	75	☞				
BZE0	156	•					M180	97	☞					M308	77	☞				
BZE1	156	•					M181	97	☞					M309	77	☞				
BZE2	156	•					M182	97	☞					M310	77	☞				
BZE3	156	•					M183	97	☞					M311	77	☞				
BZE4	156	•					M184	97	☞					M312	77	☞				
BZE5	156	•					M224	108	☞					M313	77	☞				
BZE6	156	•					M225	108	☞					M314	128	☞*				
BZE7	156	•					M226	108	☞					M315	128	☞*				
BZE8	156	•					M227	108	☞					M316	128	☞*				
BZE9	156	•					M228	108	☞					M317	128	☞*				
BZF0	156	•					M229	108	☞					M318	128	☞*				
BZF1	156	•					M230	108	☞					M319	128	☞*				
BZF2	217	•					M231	108	☞					M320	128	☞*				
BZF3	217	•					M232	108	☞					M321	128	☞*				
G681	13	☞*					M233	108	☞					M322	128	☞*				
G880	167-178	•					M234	108	☞					M323	128	☞*				
	180-188						M235	108	☞					M324	128	☞*				
G881	167-178	•					M236	108	☞					M325	128	☞*				
	180-188						M237	108	☞					M326	128	☞*				
G882	178-180	•					M238	108	☞					M327	128	☞*				
	188						M239	108	☞					M328	128	☞*				
G883	178-180	•					M240	108	☞					M329	128	☞*				
	188						M241	108	☞					M330	127	☞*				
G884	160-178	•					M242	108	☞					M331	127	☞*				
	180						M243	108	☞					M332	127	☞*				
G885	160-178	•					M244	47	☞					M333	127	☞*				
	180						M245	47	☞					M334	127	☞*				
G902	13	☞*					M246	47	☞					M335	127	☞*				

Code/page reference

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code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	
M336	127	☑*					M415	47	☑*					M522	21	☑*					
M337	127	☑*					M416	47	☑*					M523	21	☑*					
M338	127	☑*					M417	47	☑*					M524	21	☑*					
M339	127	☑*					M418	47	☑*					M525	21	☑*					
M340	127	☑*					M419	47	☑*					M526	21	☑*					
M341	127	☑*					M420	47	☑*					M527	21	☑*					
M342	127	☑*					M421	47	☑*					M528	21	☑*					
M343	127	☑*					M422	47	☑*					M529	21	☑*					
M344	127	☑*					M423	47	☑*					M530	21	☑*					
M345	127	☑*					M424	47	☑*					M531	21	☑*					
M346	127	☑*					M425	47	☑*					M532	21	☑*					
M347	127	☑*					M426	47	☑*					M533	21	☑*					
M348	129	☑					M427	47	☑*					M534	21	☑*					
M349	129	☑					M428	47	☑*					M535	21	☑*					
M350	130	☑					M429	47	☑*					M536	21	☑*					
M351	130	☑					M430	47	☑*					M537	49	☑*					
M352	130	☑					M431	47	☑*					M538	49	☑*					
M353	130	☑					M432	47	☑*					M539	49	☑*					
M354	44	☑*					M433	84	☑					M540	49	☑*					
M355	44	☑*					M434	84	☑					M541	49	☑*					
M356	44	☑*					M435	84	☑					M542	49	☑*					
M357	44	☑*					M436	84	☑					M543	49	☑*					
M358	44	☑*					M437	84	☑					M544	49	☑*					
M359	44	☑*					M438	84	☑					M545	49	☑*					
M360	44	☑*					M439	84	☑					M546	49	☑*					
M361	44	☑*					M440	84	☑					M547	49	☑*					
M362	44	☑*					M441	84	☑					M548	49	☑*					
M363	44	☑*					M451	84	☑					M549	44	☑*					
M364	44	☑*					M452	84	☑					M550	44	☑*					
M365	44	☑*					M453	84	☑					M551	44	☑*					
M366	44	☑*					M454	84	☑					M552	44	☑*					
M367	44	☑*					M455	84	☑					M553	44	☑*					
M368	44	☑*					M456	84	☑					M554	44	☑*					
M369	44	☑*					M457	84	☑					M555	44	☑*					
M370	44	☑*					M458	84	☑					M556	44	☑*					
M371	44	☑*					M459	84	☑					M557	44	☑*					
M372	44	☑*					M469	85	☑					M558	44	☑*					
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M375	44	☑*					M472	85	☑					M561	49	☑*					
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M377	44	☑*					M474	85	☑					M563	49	☑*					
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M380	44	☑*					M477	85	☑					M566	49	☑*					
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M387	44	☑*					M484	85	☑					M573	45	☑*					
M388	44	☑*					M485	85	☑					M574	45	☑*					
M389	44	☑*					M486	85	☑					M575	45	☑*					
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M391	44	☑*					M488	85	☑					M577	45	☑*					
M392	44	☑*					M489	84	☑					M578	45	☑*					
M393	44	☑*					M490	84	☑					M579	45	☑*					
M394	44	☑*					M491	84	☑					M580	45	☑*					
M395	44	☑*					M492	84	☑					M581	45	☑*					
M396	47	☑*					M493	84	☑					M582	45	☑*					
M397	47	☑*					M494	84	☑					M583	45	☑*					
M398	47	☑*					M495	84	☑					M584	45	☑*					
M399	47	☑*					M496	84	☑					M585	45	☑*					
M400	47	☑*					M497	84	☑					M586	45	☑*					
M401	47	☑*					M498	84	☑					M587	45	☑*					
M402	47	☑*					M499	84	☑					M588	45	☑*					
M403	47	☑*					M500	84	☑					M589	45	☑*					
M404	47	☑*					M501	84	☑					M590	45	☑*					
M405	47	☑*					M502	84	☑					M591	45	☑*					
M406	47	☑*					M503	84	☑					M592	45	☑*					
M407	47	☑*					M504	84	☑					M593	45	☑*					
M408	47	☑*					M505	44	☑*					M594	45	☑*					
M409	47	☑*					M506	44	☑*					M595	45	☑*					
M410	47	☑*					M517	21	☑*					M596	45	☑*					
M411	47	☑*					M518	21	☑*					M597	45	☑*					
M412	47	☑*					M519	21	☑*					M598	45	☑*					
M413	47	☑*					M520	21	☑*					M599	45	☑*					
M414	47	☑*					M521	21	☑*					M600	45	☑*					

Code/page reference

iGuzzini

code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	
M640	21	☑*					M737	88	☑*					M818	36	☑*					
M641	21	☑*					M738	88	☑*					M819	36	☑*					
M642	21	☑*					M739	88	☑*					M820	36	☑*					
M643	21	☑*					M740	88	☑*					M821	36	☑*					
M644	21	☑*					M741	88	☑*					M822	36	☑*					
M645	21	☑*					M742	88	☑*					M823	36	☑*					
M646	21	☑*					M743	88	☑*					M830	68	☑*					
M647	21	☑*					M744	88	☑*					M831	68	☑*					
M648	21	☑*					M745	88	☑*					M832	68	☑*					
M649	21	☑*					M746	87	☑*					M833	68	☑*					
M650	21	☑*					M747	87	☑*					M834	68	☑*					
M651	21	☑*					M748	87	☑*					M835	68	☑*					
M652	21	☑*					M749	87	☑*					M836	68	☑*					
M653	21	☑*					M750	87	☑*					M837	68	☑*					
M654	21	☑*					M751	87	☑*					M838	68	☑*					
M655	21	☑*					M752	87	☑*					M839	68	☑*					
M656	91	☑*					M753	87	☑*					M840	68	☑*					
M657	91	☑*					M754	87	☑*					M841	68	☑*					
M658	91	☑*					M755	87	☑*					M842	68	☑*					
M659	91	☑*					M756	87	☑*					M843	68	☑*					
M660	91	☑*					M757	87	☑*					M844	68	☑*					
M661	91	☑*					M758	87	☑*					M845	68	☑*					
M662	91	☑*					M759	87	☑*					M846	68	☑*					
M663	91	☑*					M760	87	☑*					M847	68	☑*					
M664	91	☑*					M761	87	☑*					M848	68	☑*					
M665	91	☑*					M762	88	☑*					M849	68	☑*					
M666	91	☑*					M763	88	☑*					M850	68	☑*					
M667	91	☑*					M764	88	☑*					M851	68	☑*					
M668	91	☑*					M765	88	☑*					M852	68	☑*					
M669	91	☑*					M766	88	☑*					M853	68	☑*					
M670	91	☑*					M767	109	☑*					M854	68	☑*					
M671	91	☑*					M768	109	☑*					M855	68	☑*					
M672	91	☑*					M769	109	☑*					M856	68	☑*					
M673	91	☑*					M770	109	☑*					M857	68	☑*					
M674	87	☑*					M771	109	☑*					M858	68	☑*					
M675	87	☑*					M772	109	☑*					M859	68	☑*					
M676	87	☑*					M773	109	☑*					M860	68	☑*					
M677	87	☑*					M774	36	☑*					M861	69	☑*					
M678	87	☑*					M775	36	•					M862	69	☑*					
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M681	87	☑*					M778	36	•					M865	69	☑*					
M682	87	☑*					M779	36	•					M866	69	☑*					
M692	87	☑*					M780	36	•					M867	69	☑*					
M693	87	☑*					M781	36	•					M868	69	☑*					
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M697	87	☑*					M785	36	•					M872	69	☑*					
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M724	88	☑*					M805	37	☑*					M890	69	☑*					
M725	88	☑*					M806	37	☑*					M891	69	☑*					
M726	88	☑*					M807	37	☑*					M892	85	☑*					
M727	88	☑*					M808	37	☑*					M893	85	☑*					
M728	88	☑*					M809	37	☑*					M894	85	☑*					
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M730	88	☑*					M811	37	☑*					M896	85	☑*					
M731	88	☑*					M812	37	☑*					M897	85	☑*					
M732	88	☑*					M813	37	☑*					M898	85	☑*					
M733	88	☑*					M814	37	☑*					M899	85	☑*					
M734	88	☑*					M815	37	☑*					M900	85	☑*					
M735	88	☑*					M816	36	☑*					M901	85	☑*					
M736	88	☑*					M817	36	☑*					M902	85	☑*					

Code/page reference

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code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours
M903	85	☞					M982	55	☞*					MA61	44	☞*				
M904	85	☞					M983	55	☞*					MA62	44	☞*				
M905	85	☞					M984	55	☞*					MA63	44	☞*				
M906	85	☞					M985	55	☞*					MA64	44	☞*				
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M913	85	☞					M992	54	☞*					MA71	37	☞*				
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M915	85	☞					M994	54	☞*					MA73	54	☞*				
M916	85	☞					M995	54	☞*					MW10	97	•				
M917	85	☞					M996	54	☞*					MW11	97	•				
M918	85	☞					M997	54	☞*					MW18	88	☞*				
M919	85	☞					M998	54	☞*					MW19	88	☞*				
M920	85	☞					M999	54	☞*					MW30	27	•				
M921	85	☞					MA00	54	☞*					MW31	27	•				
M922	29	☞*					MA01	54	☞*					MW38	21	•				
M923	29	☞*					MA02	54	☞*					MW41	21	•				
M924	29	☞*					MA03	54	☞*					MW60	97	•				
M925	29	☞*					MA04	54	☞*					MW61	97	•				
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M927	29	☞*					MA06	54	☞*					MW63	97	•				
M928	29	☞*					MA07	54	☞*					MW64	97	•				
M929	29	☞*					MA08	54	☞*					MW65	97	•				
M930	29	☞*					MA09	54	☞*					MW66	97	•				
M931	29	☞*					MA10	54	☞*					MW67	84-85	•				
M932	29	☞*					MA11	54	☞*						87-88-97	•				
M933	29	☞*					MA12	54	☞*					MW68	97	•				
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M935	54	☞*					MA14	54	☞*					MW70	97	•				
M936	54	☞*					MA15	55	☞*					MW71	97	•				
M937	54	☞*					MA16	55	☞*					MW73	47	•				
M938	54	☞*					MA17	55	☞*					MW74	47	•				
M939	54	☞*					MA18	55	☞*					MW75	47	•				
M940	54	☞*					MA19	55	☞*					MW76	47	•				
M941	54	☞*					MA20	55	☞*					MW77	61	•				
M942	54	☞*					MA21	55	☞*					MW78	61	•				
M943	54	☞*					MA22	55	☞*					MW79	61	•				
M944	54	☞*					MA23	55	☞*					MW80	27	•				
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M953	54	☞*					MA32	55	☞*					MW89	206	•				
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M965	55	☞*					MA44	54	☞*					MWA1	75	•				
M966	55	☞*					MA45	54	☞*					MWA2	75	•				
M967	55	☞*					MA46	54	☞*					MWA3	27	•				
M968	55	☞*					MA47	54	☞*					MWA4	27	•				
M969	55	☞*					MA48	54	☞*					MWA5	27	•				
M970	55	☞*					MA49	54	☞*					MWA7	84	•				
M971	55	☞*					MA50	54	☞*					MWA8	84	•				
M972	55	☞*					MA51	88	☞*					MWB1	84-85	•				
M973	55	☞*					MA52	88	☞*					MWB2	84-85	•				
M974	55	☞*					MA53	88	☞*					MWB3	84-85	•				
M975	55	☞*					MA54	88	☞*					MWB4	84-85	•				
M976	55	☞*					MA55	88	☞*						87-88	•				
M977	55	☞*					MA56	88	☞*					MWB5	84-85	•				
M978	55	☞*					MA57	88	☞*					MWB6	84-85	•				
M979	55	☞*					MA58	88	☞*					MWB7	84-85	•				
M980	55	☞*					MA59	44	☞*						87-88	•				
M981	55	☞*					MA60	44	☞*					MWB9	84	•				

Code/page reference

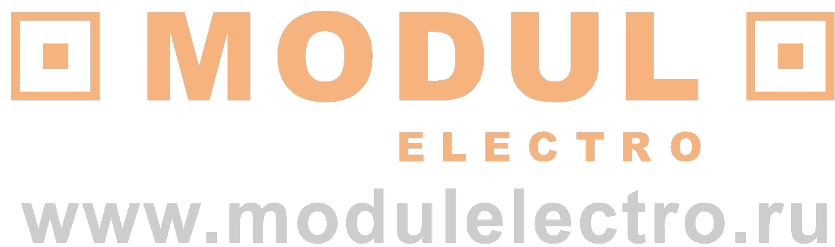
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code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	code	page	approvals	weight kg	watt in emerg.	FL nominal lum. 12h 24h	Discharge duration in hours	
MWC0	84	•					MWF9	125						MWK2	69						
MWC3	84	•					MWG0	125						MWK3	69	•					
MWC4	84	•					MWG1	125						MWK4	68-69						
MWC7	84-85	•					MWG2	125						MWK5	68-69						
MWC8	84-85	•					MWG3	91	☞*					MWK6	206	•					
MWC9	84-85	•					MWG4	91	☞*					MWK7	85	☞					
MWD0	21	•					MWG5	91	•					MWK8	85	☞					
MWD1	21	•					MWG6	91	•					MWK9	85	☞					
MWD2	21	•					MWG7	91	•					MWL0	85	☞					
MWD3	21	•					MWG8	91	•					MWL1	85	☞					
MWD4	21	•					MWG9	87	☞*					MWL2	85	☞					
MWD5	21	•					MWH0	87	☞*					MWL3	55	•					
MWD6	21	•					MWH3	87-88	•					MWL4	55	•					
MWD7	21	•					MWH4	87-88	•					MWL5	55	•					
MWD8	21	•					MWH5	87-88	•					MWL6	55	•					
MWD9	21	•					MWH6	87-88	•					MWL7	55	•					
MWE0	21	•					MWH7	87	☞*					MWL8	55	•					
MWE1	21	•					MWH8	87	☞*					MWL9	55	•					
MWE2	75	•					MWI1	87	☞*					MWM0	55	•					
MWE3	75	•					MWI2	87	☞*					MWM1	55	•					
MWE4	75	•					MWI5	87-88	•					MWM2	87-88	•					
MWE5	75	•					MWI6	87-88	•					MWM3	84	•					
MWE6	47	•					MWI7	87-88	•					MWM4	87	•					
MWE7	47	•					MWJ0	88	☞*					MWM5	55	•					
MWE8	47	•					MWJ1	88	☞*					MWM7	129						
MWE9	47	•					MWJ2	88	☞*					MWN7	29	•					
MWF0	47	•					MWJ3	88	☞*					MWN8	29	•					
MWF1	47	•					MWJ4	68	•					MWN9	69						
MWF2	47	•					MWJ5	68	•					MWP0	37	•					
MWF3	47	•					MWJ6	68	•					MWP1	37	•					
MWF4	45	•					MWJ7	68	•					MWP2	37	•					
MWF5	45	•					MWJ8	68	•					MWP3	68-69						
MWF6	47	•					MWJ9	68							125						
MWF7	125						MWK0	68													
MWF8	125						MWK1	69													



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Colours

iGuzzini

A1 Grey / nitric	01 White	21 Clear and satin	65 Nitric
A5 Chrome / nitric	02 Orange	22 Smoky	70 Anthracite grey
B5 Grey / white	04 Black	24 Clear transparent	73 Grey / yellow
B6 Grey / transparent	05 Red	26 Magenta	74 Grey / black
B7 Nitric / transparent	06 Yellow	30 White fabric	75 Military green
B8 Grey / smoky	07 Green	31 White like false ceilings with narrow panels	78 Grey / alluminium
B9 Black / smoky	09 Sky blue	36 Chrome / opal	81 Light green
C1 Black / nitric	10 Chrome	38 Opal	82 Red salmon
D3 Grey/white with "imprinting"	11 White / white	39 White / alluminiumo	83 Transparent / black
D4 Clear grey / dark grey	12 Alluminium	40 Black / alluminium	84 White / green
D6 Dark grey / aluminium	13 Steel	41 White / brass	85 Transparent / green
D7 Cyan	14 Brass	43 Black / black	86 Dark metallic grey
D8 White / Transparent	15 Grey	47 White / black	
D9 White / Nitric	16 Blue	48 Gilded	
00 Indeterminate	20 Metallic grey		


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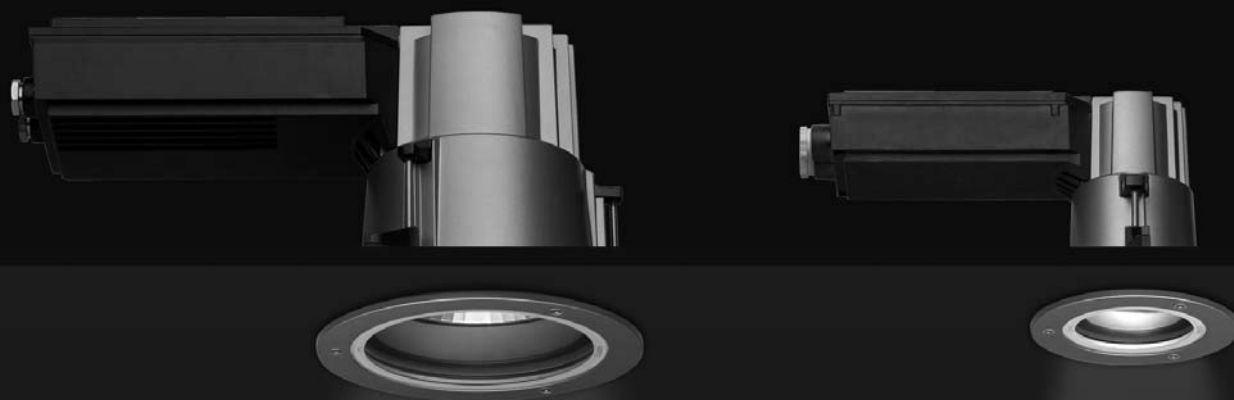
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