

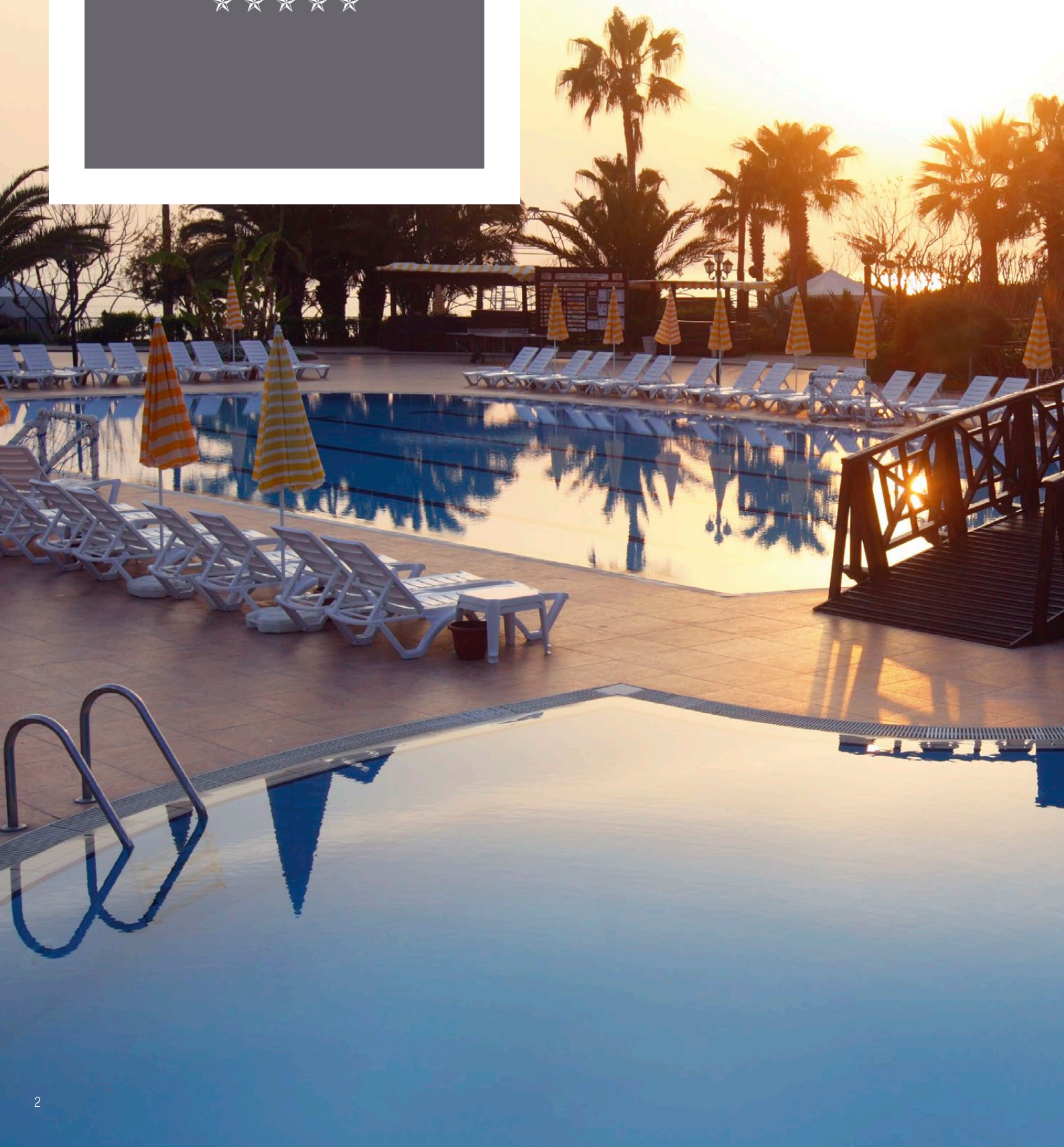


Hotel collection

A selection of products for
different applications

M A D E I N I T A L Y

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hotel lighting
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An extensive selection of LED lighting fixtures for hotels, bars and restaurants.

Decorative lights, technical lights and top-performance lights that together consider the diverse lighting needs in every area of a hotel.



Hotel lighting

The hotel industry has changed deeply in the last few years. Today, many different types of hotel exist: boutique hotels, artistic hotels, diffused hotels and many other variants of the classic hotel.

The competition with other forms of accommodation, such as B&Bs, is forcing hotels to personalize their structure. Every hotel must now have a strong brand image to make a memorable experience for their guests. Lighting is fundamental for creating an attractive, personalized hotel capable of offering guests a pleasant and enjoyable stay.

In summary, lights are not just decorating elements, but they are the true protagonists of the hotel's ambience.

To enhance architectonic and decorating solutions.

A good lighting system fitting innovative LED lights enhances the architecture and the decor characterizing a hotel. No matter the style chosen, whether it is to focus on simplicity, luxury or originality, lighting is the element that gives life to spaces, designing them and creating the mood. With LED sources, lighting designers have many more design choices compared to conventional sources. For example, a LED fixture can be easily inserted into architectonic and decorating elements, creating amazing settings. Different types of fixtures also allow monitoring the spaces, in the best way possible, characterizing the environments based on their diverse uses, such as the relaxation areas, lobbies, conference rooms.

Ecologic sources and new technology

Good lighting choices can say much about a hotel. When visitors enter a hotel they need to perceive a carefully studied and contemporary design.

The choice of LED sources is a tell-tale sign of a hotel's interest in environmental issues, favouring energy-saving solutions and the use of cutting-edge technologies.

In this sense, LEDs, in addition to offering a notable advantage in terms of energy consumption and therefore lower costs, also allows characterizing the hotel as an eco-sustainable structure.

In a quality hotel, guests expect a technologically updated system. LED fixtures, even without using highly sophisticated fixtures, offer a high-quality lighting system, capable of being modulated and much more flexible compared to conventional lighting systems.

To create the mood and a memorable brand image

The right lighting in hotel rooms and common spaces creates the mood that characterizes the structure and establishes an emotional relationship with guests. Today, LEDs allow lighting effects with a strong impact, both outdoors and indoors. Linear spotlights and fixtures, with compact dimensions, can be placed in decorating elements, and the use of different colours and diverse lighting scenes can turn a short stay into an experience to remember.

Good lights help guests remember their stay in a positive way and make perfect shots that can be posted on social media, increasing the hotel's popularity.

Energy savings, functionality and personalization

The advantages of LEDs are not just aesthetic. In hotels, some areas need to be illuminated all the time, so lighting usually accounts for the biggest item on the energy bill.

A LED lighting system is therefore particularly suited in the hotel industry also for the favourable impact on costs. Savings are given by the LED sources that absorb up to 70% less energy compared to old lamps and by lighting controllers, such as lighting and presence detectors that allow notable savings by avoiding wasting energy and switching lights on unnecessarily. Sensors can dim lights based on the amount of daylight in the room, using lights only when and where needed.

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Postillion Hotel Bunnik - Utrecht, the Netherlands



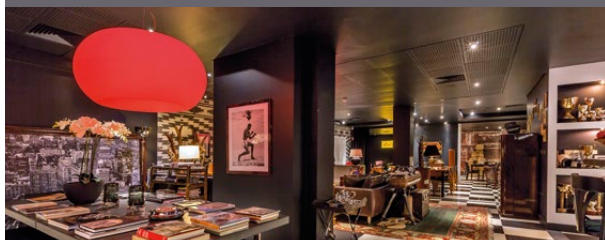
Sir Joan Hotel - Ibiza, Spain



Zaira Villa - Lecce, Italy



The Yard - Milan, Italy



The Ralph - Milan, Italy



Aquapark Sport Hotel - Wieradów Zdrój, Poland



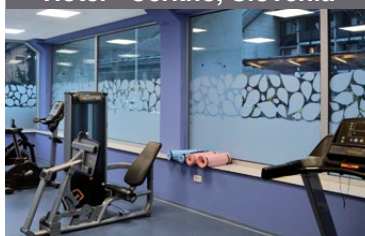
Moscow City, Russia



Hotel - Cerkno, Slovenia



Buddha-Bar - St. Petersburg



Hotel Karisma - Ulcinj, Montenegro





Arrival

The external lights illuminating the hotel's front help make a positive impression. Whether to create amazing light plays or to exhibit aesthetic rigour, the lights illuminating a hotel as soon as visitors arrive will tell them about the quality they can expect inside. Well-kept gardens with ambient lights, illuminated entrance paths, safe parking areas give visitors seeking for relaxation after a long journey a feeling of comfort.

Reception

Reception areas (front desks and lobbies) must be well-illuminated to prevent visitors from feeling disoriented when they enter the hotel. It should be made clear where they can check in, find a restroom, leave their luggage, etc...). In these areas, lights can play a key role for creating a positive first impression.

Accommodation

Hotel rooms with a skilfully designed lighting system can achieve superior quality levels. The pleasure of staying in a comfortable room increases guest's satisfaction. Dimmable lights allow them to decide the desired lighting level during different moments of the day.

All inclusive

Hotels offer their guests many different types of spaces. Lounge areas with couches and soft chairs where guests can relax, rooms where they can have breakfast and restaurant rooms where they have lunch and dinner, fitness rooms, as well as spas, swimming pools and gyms. On terraces and in gardens and outdoor areas lights are fundamental for creating a sense of aesthetics and comfort. Even in these secondary zones, a carefully designed lighting system makes environments particularly pleasant to enjoy.

Technical areas

There are many people working in a hotel both directly with guests and "behind the scenes". These people require lights with specific technical features in order to perform their tasks in a safe and accurate way. In kitchens, storage rooms and laundry rooms, it is best to install customized lighting systems.

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Renovate to save!!

Fixed costs and variable costs of energy consumption

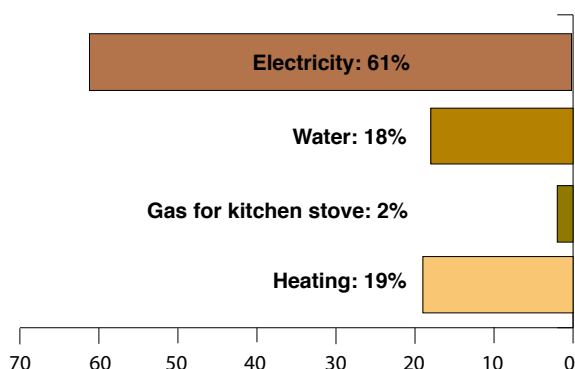
It is well-known that there are fixed and variable costs in the energy consumption of hotels.

In terms of variable costs, much can be saved using an energy efficient lighting system.

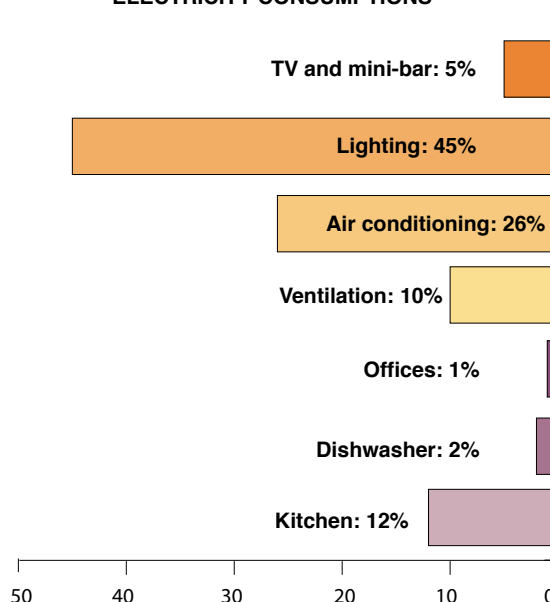
The costs of electricity (amounting to about 61% of total variable costs) depend on seasons (26% for air conditioning and 10% for ventilation, while other costs depend on the room's use (conference rooms) or occupancy (TV, mini-bar, lights in the room and bathroom, corridors).

With the LED technology, hotels can save up to 85% of their energy costs both in the areas where lights stay always on (entrance hall, reception desk, kitchens, etc.) and in the areas where lights are consumed on-demand (room occupancy, parking areas, corridors, technical rooms).

ENERGY COSTS







ELECTRICITY CONSUMPTIONS



1: Switching to the LED technology

There are many reasons for switching to the LED technology. A skilful relamping project allows saving up to 85% on energy bills!





	LED	CFL	HALOGEN	INCANDESCENCE
Life	Very long 50.000***	Long	Medium	Short
Energy used	Very low	Low	Medium	High
Energy consumption	15%	25%	78%	100%
Average energy savings	Up to 85%	Up to 75%	Up to 28%	0%
Running costs	Very low	Low	Medium	High
Environmental impact	Very low	Low	Medium	High
Availability	Very high	Medium	No longer allowed	No longer allowed
				

2: Relamping

- Before relamping your lights, with just a few easy tricks, you can also save on installation costs. For example:
- In hotels with false ceilings made up of panel modules, you can use Pannello LED fixtures.
- With existing recessed spotlights, it is possible to install a new LED source using the same spotlight holes or only slightly bigger. All you need is a Forstner drill to make a bigger hole without changing the false ceiling.
- In this brochure we selected some products that have a life of 50000 (***) or higher: this will make you forget about the costs for changing broken or worn out lamps for a very long time.
- Free-standing installation: the products displayed in this brochure do not require particular mounting tools or methods. Moreover, they do not need to be opened for internal cabling purposes because they are already ready for use.



3: Smart lighting control

- Not all the areas of a big hotel are occupied or used all the time. Some spaces such as corridors, stairways, restrooms, conference rooms and recreational rooms may require the installation of special lighting dimmers. This brochure contains a selection of lighting fixtures with dimmable and DALI cabling that allow you to control lights using products that range from ELEMENTARY solutions to very complex lighting management systems. For example:

	ELEMENTARY SOLUTION PLUG & PLAY systems with on-board sensors:	<ul style="list-style-type: none"> • Solution with built-in sensors • Sensors attached to the lighting body and visible • Programming via app or remote control of sensors or trimmers • "PLUG&PLAY" no installation difference with a non-dimmable product • The installer and the user do not require specific skills because the lighting fixture is configured to change lighting levels automatically • No additional cabling • No centralized controls • No programming and commissioning from specialized technicians • No remote communication
	MEDIUM SOLUTION CABLED solutions for DALI dimmable fixtures:	<ul style="list-style-type: none"> • The lighting fixture is equipped with a DALI PUSH DIM LED driver • Simple additional cabling and possibility to use a standard NO switch
	ADVANCED SOLUTION High-tech WIRELESS solutions to be managed via app:	<ul style="list-style-type: none"> • System equipped with smart sensors with high level of automation • Easy-to-use app and software that do not require skills from specialists (e.g. DALI commissioning or software engineer) • Built-in or external sensors and, if requested, additional cabling that does not require complex circuitry
	SMART SOLUTION COMPLEX solutions requiring lighting management hardware and software:	<ul style="list-style-type: none"> • Wired and wireless solutions • System with all fixtures and sensors are managed with the BUS link (or over the air) with the possibility of a limited, but extremely simple, management • Possibility to configure via app/smartphone/tablet • Suitable for medium-small systems • Variable complexity, including situations that may require the intervention of specialized workers (e.g. commissioning) • Scalable

4: Also save outside

Amenity and street lighting fixtures are equipped with the latest generation of programmable drivers that allow controlling different aspects and functions of a lighting system:

OPERATING MODE	DESCRIPTION	 ADVANCED PROG	 BASIC PROG
Luminous flux setup	This can be done by programming the drive current values requested when ordering/purchasing the fixture	✓	✓
Virtual Midnight order with subcode -30	Stand-alone system with automatic luminous flux reduction in 4 steps (up to max 8 steps available upon request)	✓	
Broadcast Prog	This allows the reconfiguration of the Virtual Midnight profile, including the enabling/disabling of all the fixtures installed on the same power line (broadcast function) via a sequence of electrical impulses.	✓	
Mains voltage regulation	This allows varying the luminous flux by adjusting the mains voltage between 170 and 250 V AC	✓	
CLO (Costant Light Output)	The lighting fixture maintains a constant light output throughout its entire service life	✓	
DC power in EM	In centralized emergency systems, the LED Driver automatically detects when the power changes from AC to DC and adjusts the lights to a pre-set value (DC level)	✓	
Monitoring (default)	The driver is equipped with a micro-processor that records the operating conditions from the moment it is turned on	✓	
Setup via APP	The NFC technology allows users to set the different operating modes via an APP	✓	

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Arrival





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Cripto Medium - Cripto Big

Housing: in die-cast aluminium with cooling fins.

Diffuser: tempered glass, 4 mm thick, resistant to thermal shock and impacts.

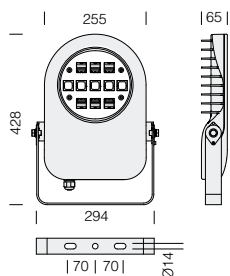
Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating. On request: coating COMPLIANT with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

Standard Supply: complete with galvanised and coated bracket. With double insulation switch. Safety diode to protect against voltage peaks compliant with EN 61547.

On request: 1-10V dimmer, dimmable from 10% to 100% (subcode **-0041**), Radar Sensor version (subcode **-19**).

LED: power factor: $\geq 0,9$. Photobiological safety class: exempt group.

IP66IK08



93W-211W= 4/6kV
134W= 6/8kV



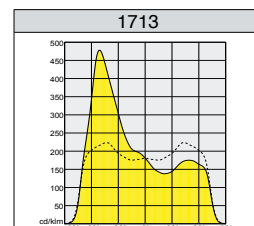
4000K

CRI
>80

80.000h
L80B10

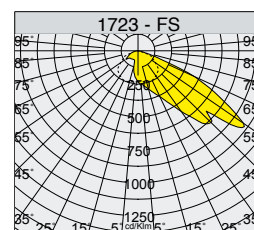
1713 Cripto medium - asymmetric

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		
LED	graphite	4.90	413030-00	73	4000K - 9188lm - CRI 80
	grey 9006		413031-00		
LED	graphite	4.90	413030-39	73	3000K - 8545lm - CRI 80
	grey 9006		413031-39		



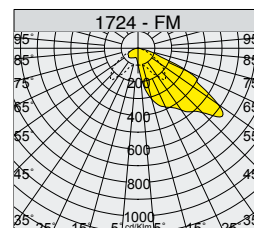
1723 Cripto Big - asymmetric - FS

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		
LED	graphite	7.50	413070-00	106	4000K - 13161lm - CRI 80
	grey 9006		413074-00		
LED	graphite	7.50	413070-39	106	3000K - 12240lm - CRI 80
	grey 9006		413074-39		
LED	graphite	8.00	413071-00	165	4000K - 20565lm - CRI 80
	grey 9006		413075-00		
LED	graphite	8.00	413071-39	165	3000K - 19125lm - CRI 80
	grey 9006		413075-39		

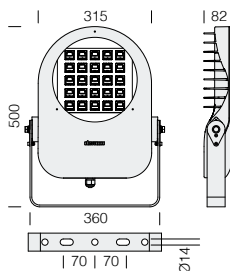


1724 Cripto Big - asymmetric - FM

LED	couleur	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		
LED	graphite	7.50	413080-00	106	4000K - 13724lm - CRI 80
	grey 9006		413084-00		
LED	graphite	7.50	413080-39	106	3000K - 12763lm - CRI 80
	grey 9006		413084-39		
LED	graphite	8.00	413081-00	165	4000K - 21444lm - CRI 80
	grey 9006		413085-00		
LED	graphite	8.00	413081-39	165	3000K - 19943lm - CRI 80
	grey 9006		413085-39		



IP66IK08





Sicura

Housing: complete with graphite aluminium frame with die-cast aluminium end caps.

Diffuser: 8 mm clear and tempered glass, resistant to thermal shock.

Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

Equipment: complete with electrical cable (1mt) for mains connection.

LED: power factor: ≥ 0.9 . Photobiological safety class: exempt group.

IP66IK08

70



655/1215/1495



640/1240/1540



4000K

CRI

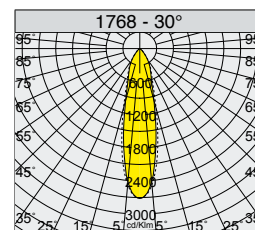
>70->80

50.000h

L80B20

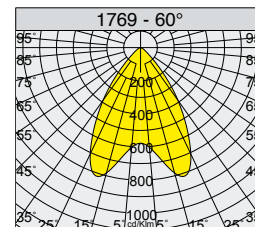
1768 Sicura FS - symmetric

LED	colour	L	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
			weight	code		K - ølm - CRI - degrees
LED	grey	655	2.90	414242-00	22	4000K - 2931 lm - CRI>80 - 30°
		1215	5.60	414243-00	43	4000K - 5865 lm - CRI>80 - 30°
		1495	6.60	414244-00	54	4000K - 7329 lm - CRI>80 - 30°



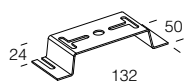
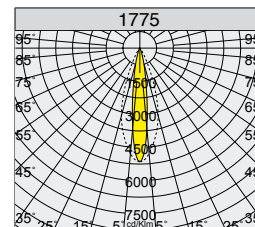
1769 Sicura FL - symmetric

LED	colour	L	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
			weight	code		K - ølm - CRI - degrees
LED	grey	655	2.90	414262-00	22	4000K - 3136 lm - CRI>80 - 60°
		1215	5.60	414263-00	43	4000K - 6272 lm - CRI>80 - 60°
		1495	6.60	414264-00	54	4000K - 7840 lm - CRI>80 - 60°



1775 Sicura - elliptic

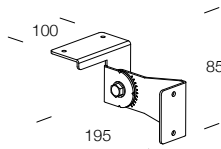
LED	colour	L	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
			weight	code		K - ølm - CRI
LED	grey	640	2.90	414236-00	31	4000K - 3148 lm - CRI>70
		1240	5.60	414237-00	61	4000K - 6297 lm - CRI>70
		1540	6.60	414238-00	77	4000K - 8096 lm - CRI>70



acc. 376 ceiling moun. unit

galvanized 145151-00

For direct ceiling installation. Only for equipment with direct light. **2 for pack.**



acc. 537 adjustable connection

galvanized 993974-00

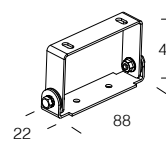
To install Sicura on walls or ceiling. To be used for continuous lines. **2 for pack.**



acc. 339 connector

993836-00

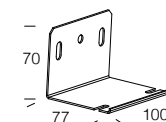
To be used for mains connection.



acc. 535 adjustable connection

grey 993970-00

For direct ceiling installation. Capacity: 6 Kg. **2 for pack.**

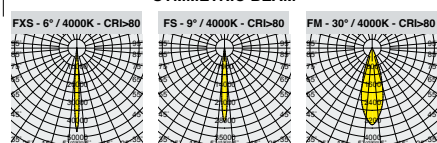


acc. 536 bracket

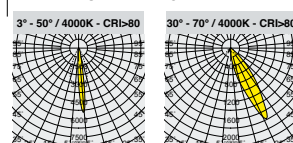
grey 993972-00

To install Sicura permanently on walls. **2 for pack.**

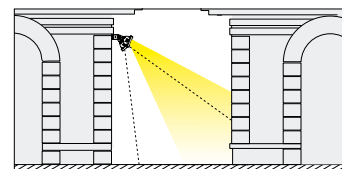
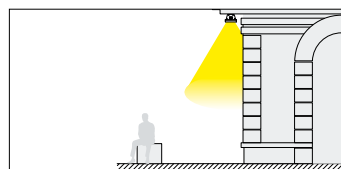
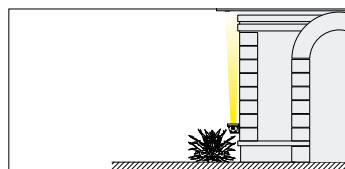
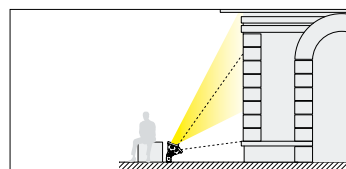
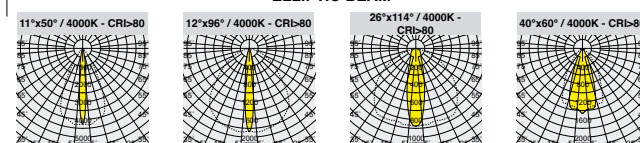
SYMMETRIC BEAM



ASYMMETRIC BEAM



ELLIPTIC BEAM





Brick

Housing: in die-cast aluminium.

Diffuser: in tempered glass, 4 mm thick, thermal shock and impact resistant.

Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

Standard supply: supplied with plate for wall installation and cable with with IP67 airtight connector for mains connection.

LED: luminous flux maintenance 80%; 50.000h (L80B20).
Power factor ≥ 0.9

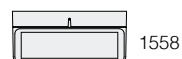
IP65IK07



1556



1557



1558



1556



1557



1558

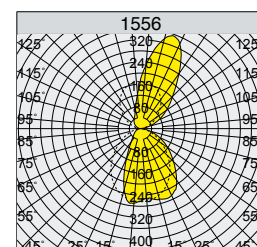
3000K

CRI
>80

50.000h
L80B20

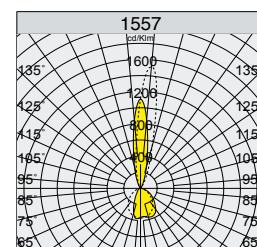
1556 Brick - direct/indirect light

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm 500mA - CRI
		weight	code		
LED	grey 9007	1.00	420600-68	19	4000K - 1541lm - CRI>80
	white		420601-68		
	graphite		420602-68		
LED	grey 9007	1.00	420600-00	19	3000K - 1440 lm - CRI>80
	white		420601-00		
	graphite		420602-00		



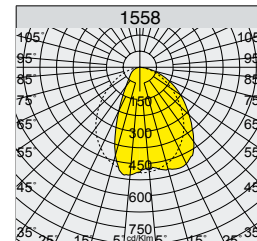
1557 Brick - direct/indirect light with narrow beam

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm 500mA - CRI
		weight	code		
LED	grey 9007	1.00	420610-68	11	4000K - 952lm - CRI>80
	white		420611-68		
	graphite		420612-68		
LED	grey 9007	1.00	420610-00	11	3000K - 890lm - CRI>80
	white		420611-00		
	graphite		420612-00		

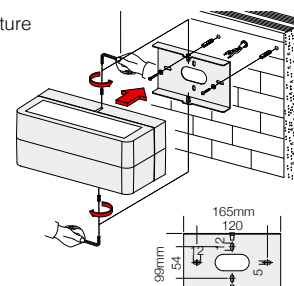


1558 Brick - direct light

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm 500mA - CRI
		weight	code		
LED	grey 9007	1.00	420620-68	10	4000K - 781lm - CRI>80
	white		420621-68		
	graphite		420622-68		
LED	grey 9007	1.00	420620-00	10	3000K - 730lm - CRI>80
	white		420621-00		
	graphite		420622-00		



Mounting: rapid connection, the fixture does not need to be opened.





Volo

Housing and frame: pressed in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover.


Pole connection: pressed in die-cast aluminium. Suited for poles with a diameter 60 mm.

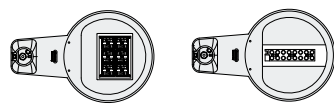
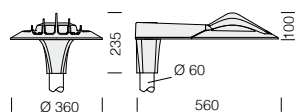
Diffuser: extra-clear tempered glass, 4 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1:2001).

Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

Standard supply: Automatic temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module. Supplied with connector for mains connection and complete with an air-circulation valve.

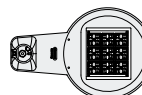
LED: power factor: $\geq 0,9$. Photobiological safety class: exempt group.

* IP66IK09  Registered Design
DM/100271



3580 - 24 LED

3581 - 16 LED



3580 - 36 LED

3581 - 32 LED



27W-35W-45W-69W
= 6/10kW



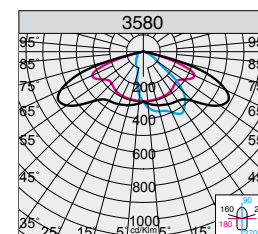
Available in:

- two-colour version (anthracite - graphite)
- pearl colour (for codes see website)

3580 Volo - residential amenities - high performance

LED	colour	CLD PROG		W tot	LUMEN OUTPUT (tq= 25 °C)	
		weight	code		K - ølm - CRI	
LED	graphite	6.00	424600-2168	27	4000K - 4346 lm - CRI>70	
			424600-3968		3000K - 4115 lm - CRI>70	
LED	graphite	6.50	424602-2168	45	4000K - 7412 lm - CRI>70	
			424602-3968		3000K - 7019 lm - CRI>70	

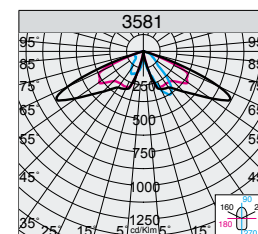
Integrated **ADVANCED PROG** functions (see table on p. 9).



3581 Volo - cycleways + residential amenities

LED	colour	CLD PROG		W tot	LUMEN OUTPUT (tq= 25 °C)	
		weight	code		K - ølm - CRI	
LED	graphite	6.00	424610-2168	35	4000K - 4411 lm - CRI>70	
			424610-3968		3000K - 4177 lm - CRI>70	
LED	graphite	6.20	424612-2168	69	4000K - 8970 lm - CRI>70	
			424612-3968		3000K - 8494 lm - CRI>70	

Integrated **ADVANCED PROG** functions (see table on p. 9).



LUMINAIRE DESIGNED FOR INSTALLATION ON NEMA OR ZHAGA SOCKET: to monitor and manage public lighting centrally, lighting fixtures will always be more equipped with wireless controls that will allow their integration with the IoT. Today the market offers two solutions: **NEMA** and **ZHAGA**. Both solutions offer an electrical and mechanical connection between the control antenna and the lighting fixture.

Example with Zhaga Socket (subcode -0054)

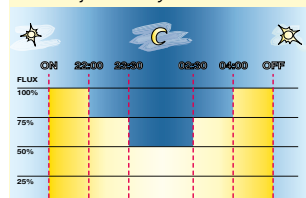


Nema Socket order with subcode -40 (sealing cap to be ordered separately)	Zhaga Socket order with subcode -0054 (complete with sealing cap)
Mounted directly on the fixture's body, ideal for remote lighting management applications.	



VIRTUAL MIDNIGHT

To increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous switching on and off times, will determine a hypothetical "virtual midnight". This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The "virtual midnight" is the reference point for dimming lights according to the desired profile. The device is integrated in the LED driver and therefore does not require any modification to the system. *In order for the system to function correctly, the system must be adjusted by a device that turns the system on and off on a regular basis every day.*



Factory settings	
Time	Flux
on ÷ 22:00	100%
22:00 ÷ 23:30	75%
23:30 ÷ 02:30	50%
02:30 ÷ 04:00	75%
04:00 ÷ off	100%

Virtual Midnight subcode -30: fixtures are equipped with a device to reduce flux in **4 steps** based on the calculation of the virtual midnight.

ATTENTION: original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.



Lucerna

Technical Specifications: housing, lid, spokes, and connection for die-cast aluminium pressed poles.

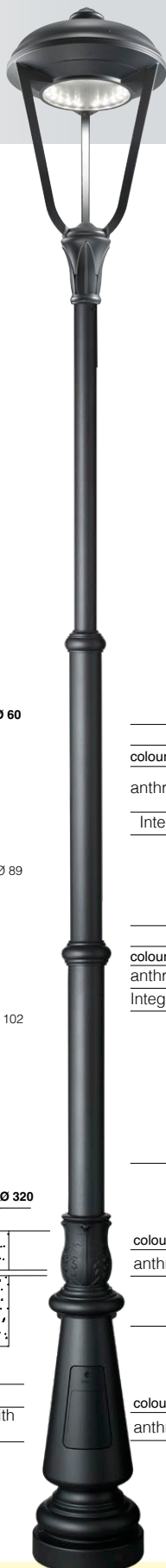
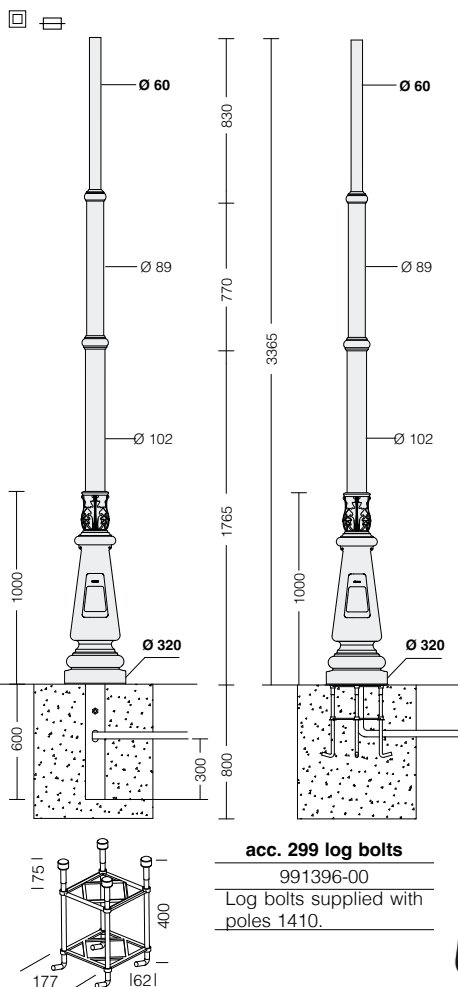
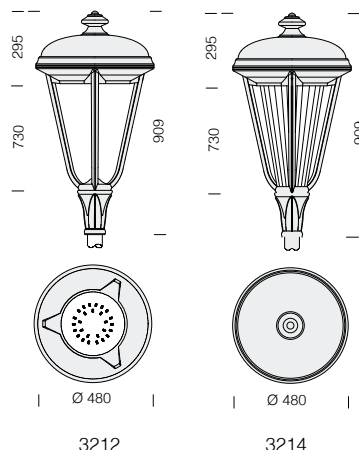
Diffuser: tempered glass, 5 mm thick, withstands thermal shock and impacts.

Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cathaphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

Equipment: nylon wiring plate, 30% fibre glass, removable, tool-free, for quick maintenance. Standard knife switch, which enables to automatically cut off the power supply during maintenance. Complete with quick-connector for connection to the line. Can be adjusted by loosening the bolts without taking the lighting fixture apart. Temperature control device. In the event of an unexpected LED temperature rise caused by particular weather conditions or a LED failure, the system will reduce the luminous flux to lower the working temperature and guarantee proper operation.

LED: power factor: $\geq 0,9$. Photobiological safety class: exempt group.

IP66IK08



27W-28W
= 6/10kW



4000K

CRI
>70

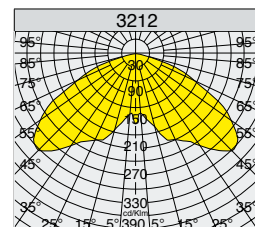
100.000h
L80B10



3212 Lucerna R

	CLD PROG		LUMEN OUTPUT (tq= 25 °C)	
colour	weight	code	W tot	K - ølm 350mA - CRI
anthracite	12.35	326970-00	27	4000K - 3390 lm - CRI>70
		326970-39		3000K - 3153 lm - CRI>70

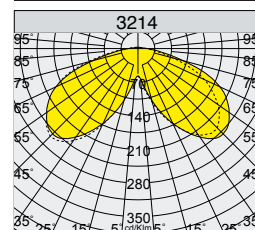
Integrated **ADVANCED PROG** functions (see table on p. 9).



3214 Lucerna R

	CLD PROG		LUMEN OUTPUT (tq= 25 °C)	
colour	weight	code	W tot	K - ølm 350mA - CRI
anthracite	12.35	326985-00	28	4000K - 2626 lm - CRI>70

Integrated **ADVANCED PROG** functions (see table on p. 9).



acc. 1411 - Lucerna pole to be buried

colour	code								
anthracite	425230-00	3965	3365	600	300	320	60	Ø 320	Ø 60

acc. 1410 - Lucerna pole with base

colour	code								
anthracite	425220-00	3365	300	320	60	Ø 320	Ø 60	Ø 300	

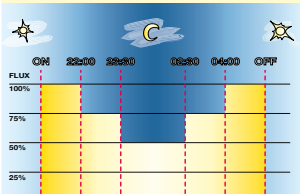
acc. 299 log bolts

991396-00
Log bolts supplied with poles 1410.

VIRTUAL MIDNIGHT



To increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous switching on and off times, will determine a hypothetical "virtual midnight". This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The "virtual midnight" is the reference point for dimming lights according to the desired profile. The device is integrated in the LED driver and therefore does not require any modification to the system. *In order for the system to function correctly, the system must be adjusted by a device that turns the system on and off on a regular basis every day.*



Factory settings	
Time	Flux
on ÷ 22:00	100%
22:00 ÷ 23:30	75%
23:30 ÷ 02:30	50%
02:30 ÷ 04:00	75%
04:00 ÷ off	100%

Virtual Midnight subcode -30: fixtures are equipped with a device to reduce flux in **4 steps** based on the calculation of the virtual midnight.

ATTENTION: original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.



Iseo

Housing and arms: pressed in die-cast aluminium and designed with a very small surface exposed to wind.

Optics: in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

Pole connection: pressed in die-cast aluminium. Suited for poles with a diameter 60-76mm.

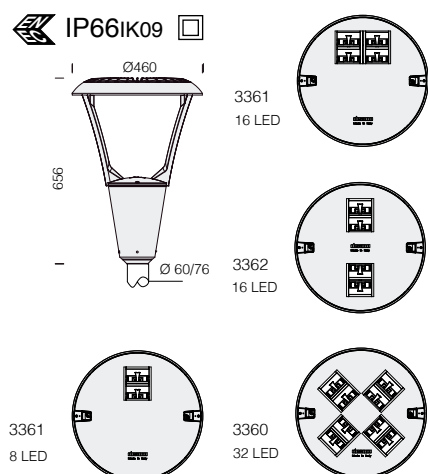
Diffuser: extra-clear tempered glass, 5 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1: 2001).

Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

Equipment: nylon wiring plate 30% fibre glass complete with connector for mains connection and for LED module. Automatic temperature control inside the device with automatic resetting. With dedicated electronic device to protect the LED module. Equipped with an air-circulation valve.

LED: power factor: ≥ 0.92 . Photobiological safety class: exempt group.

IP66 IK09

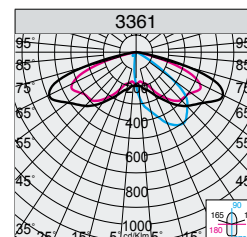

acc. 109 anti-glare shield

anthracite	991309-00
To prevent glare effects. To be fitted when Garda is installed near a window.	

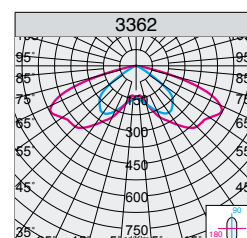
 33W-64W-52W
 = 6/10kW

3361 Iseo 2 - residential amenities

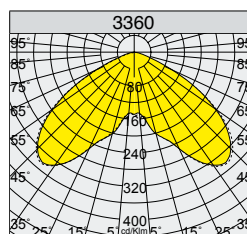
		CLD PROG		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - l m 530mA - CRI
LED	anthracite	7.10	330570-00	33	4000K - 3366 lm - CRI>70
			330570-39		3000K - 3130 m - CRI>70
LED	anthracite	7.10	330571-00	64	4000K - 6732 lm - CRI>70
			330571-39		3000K - 6261 lm - CRI>70

 Integrated **ADVANCED PROG** functions (see table on p. 9).

3362 Iseo 3 - residential amenities

		CLD PROG		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - olm 530mA - CRI
LED	anthracite	7.10	330580-00	64	4000K - 6741 lm - CRI>70
			330580-39		3000K - 6269 lm - CRI>70

 Integrated **ADVANCED PROG** functions (see table on p. 9).

3360 Iseo 1 - wide beam

		CLD PROG		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - olm 530mA - CRI
LED	anthracite	7.30	330560-00	52	4000K - 5667 lm - CRI>70
			330560-39		3000K - 5270 lm - CRI>70

 Integrated **ADVANCED PROG** functions (see table on p. 9).




Garda

Housing and arms: pressed in die-cast aluminium and designed with a very small surface exposed to wind.

Optics: made of PMMA with high temperature resistance and UV rays.

Pole connection: pressed in die-cast aluminium. Suited for poles with a diameter 60-76mm.

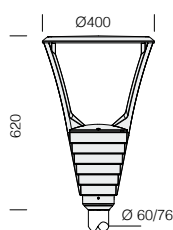
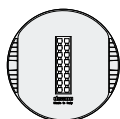
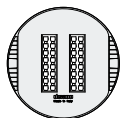
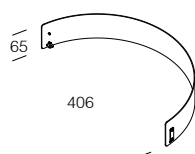
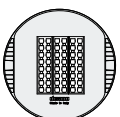
Diffuser: extra-clear tempered glass, 4 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1: 2001).

Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cathaphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

Equipment: nylon wiring plate 30% fibre glass complete with connector for mains connection and for LED module. Automatic temperature control inside the device with automatic resetting. With dedicated electronic device to protect the LED module. Equipped with an air-circulation valve.

LED: power factor: $\geq 0,9$. Photobiological safety class: exempt group.

IP66 IK09


 3351
 3353
 3350
 16 LED

 3351
 3353
 3350
 32 LED

 3350
 48 LED
**acc. 109 anti-glare shield**

anthracite 991312-00

To prevent glare effects. To be fitted when Garda is installed near a window.

 18W-31W-35W
 65W-66W-41W
 = 6/10kW

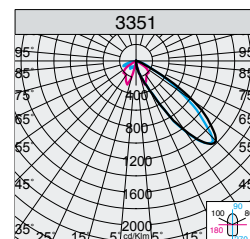

4000K

3000K

CRI
>70100.000h
L80B10**3351 Garda 2 - asymmetric**

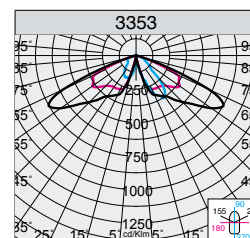
LED	colour	CLD BASIC		W tot	LUMEN OUTPUT (tq= 25 °C)	
		weight	code		K - ølm - CRI	
LED	anthracite	5.70	330520-00	35	4000K - 3773 lm - CRI>70	
			330520-39		3000K - 3508 lm - CRI>70	
LED	anthracite	5.90	330521-00	66	4000K - 7275 lm - CRI>70	
			330521-39		3000K - 6765 lm - CRI>70	

Upon request: possibility to choose different lighting point management systems (see table on p. 9).

**3353 Garda 4 - cycleways + residential amenities**

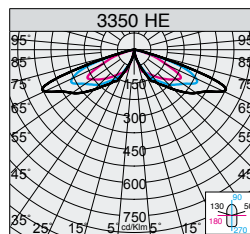
LED	colour	CLD BASIC		W tot	LUMEN OUTPUT (tq= 25 °C)	
		weight	code		K - ølm - CRI	
LED	anthracite	5.70	330540-00	35	4000K - 3525 lm - CRI>70	
			330540-39		3000K - 3278 lm - CRI>70	
LED	anthracite	5.90	330541-00	65	4000K - 6887 lm - CRI>70	
			330541-39		3000K - 6404 lm - CRI>70	

Upon request: possibility to choose different lighting point management systems (see table on p. 9).

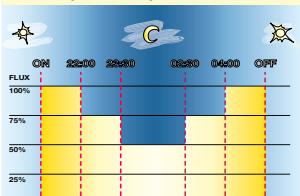
**3350 Garda 1 HE - wide beam**

LED	colour	CLD BASIC		W tot	LUMEN OUTPUT (tq= 25 °C)	
		weight	code		K - ølm - CRI	
LED	anthracite	5.70	330512-00	18	4000K - 1823 lm - CRI>70	
			330512-39		3000K - 1695 lm - CRI>70	
LED	anthracite	5.90	330513-00	31	4000K - 3463 lm - CRI>70	
			330513-39		3000K - 3221 lm - CRI>70	
LED	anthracite	5.90	330517-00	41	4000K - 5193 lm - CRI>70	
			330517-39		3000K - 4829 lm - CRI>70	

Upon request: possibility to choose different lighting point management systems (see table on p. 9).

**VIRTUAL MIDNIGHT**

To increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous switching on and off times, will determine a hypothetical "virtual midnight". This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The "virtual midnight" is the reference point for dimming lights according to the desired profile. The device is integrated in the LED driver and therefore does not require any modification to the system. *In order for the system to function correctly, the system must be adjusted by a device that turns the system on and off on a regular basis every day.*



Factory settings	
Time	Flux
on ÷ 22:00	100%
22:00 ÷ 23:30	75%
23:30 ÷ 02:30	50%
02:30 ÷ 04:00	75%
04:00 ÷ off	100%

Virtual Midnight subcode -30: fixtures are equipped with a device to reduce flux in **4 steps** based on the calculation of the virtual midnight.

ATTENTION: original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.

HOTEL
★★★★★

Ischia

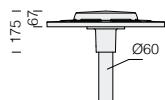
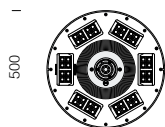
Housing: pressed in die-cast aluminium.

Pole connection: pressed in die-cast aluminium. Suited for poles with a diameter 60 mm.

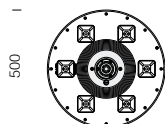
Diffuser: polycarbonate 2,5 mm thick, thermal shock and impact resistant (UNI EN 12150 tests 1/2001).

Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

Upon request: coating compliant with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.


 Registered Design
 DM/100271


3590

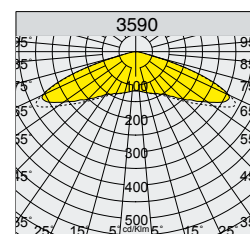


3591


3590 Ischia - rotosymmetric

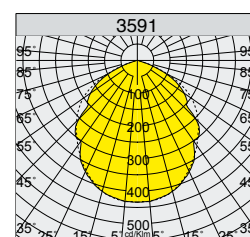
LED	colour	CLD BASIC		W tot	LUMEN OUTPUT (tq= 25 °C)	
		weight	code		K - ølm - CRI	
LED	graphite	4.50	424660-00	35	4000K - 4624 lm - CRI>70	
			424660-39		3000K - 4393 lm - CRI>70	
LED	graphite	4.50	424661-00	48	4000K - 5874 lm - CRI>70	
			424661-39		3000K - 5580 lm - CRI>70	

Upon request: possibility to choose different lighting point management systems (see table on p. 9).

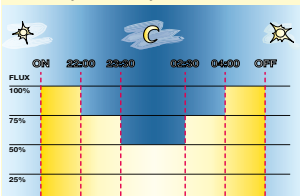

3591 Ischia - COB rotosymmetric

LED	colour	CLD BASIC		W tot	LUMEN OUTPUT (tq= 25 °C)	
		weight	code		K - ølm - CRI	
COB	graphite	4.50	424670-00	44	4000K - 5877 lm - CRI>80	
			424671-00		3000K - 5469 lm - CRI>80	
COB AMBER			424670-73		2200K - 5172 lm - AMBER	

Upon request: possibility to choose different lighting point management systems (see table on p. 9).


VIRTUAL MIDNIGHT

To increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous switching on and off times, will determine a hypothetical "virtual midnight". This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The "virtual midnight" is the reference point for dimming lights according to the desired profile. The device is integrated in the LED driver and therefore does not require any modification to the system. *In order for the system to function correctly, the system must be adjusted by a device that turns the system on and off on a regular basis every day.*



Factory settings	
Time	Flux
on ÷ 22:00	100%
22:00 ÷ 23:30	75%
23:30 ÷ 02:30	50%
02:30 ÷ 04:00	25%
04:00 ÷ off	100%

Virtual Midnight subcode -30: fixtures are equipped with a device to reduce flux in **4 steps** based on the calculation of the virtual midnight.

ATTENTION: original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.



Ottima

Housing: injection moulded, in grey polycarbonate, shatter-proof, UV-stabilised, highly resistant to mechanical impacts thanks to the reinforced structure with internal ribbing.

Diffuser: transparent polycarbonate injection-moulded diffuser with grooves and internal opaque satin finish for greater lighting diffusion, V2 self-extinguished, UV stabilised, outer smooth finish for easy cleaning and to maximize lighting efficiency. Closure with clamps and stainless steel safety screws.

Reflector: in galvanised steel, previously stone-enamelled with UV-stabilised polyester resin. Clamping device manufactured directly onto the housing.

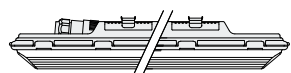
Standard supply: eco-friendly and anti-aging expanded polyurethane injected gasket. The fixing brackets for ceiling and suspension mounting are in stainless steel. Socket-plug connector. The fixture is secured to the fixing brackets through quick connectors.

Box 1

Housing: vandal resistant fibreglass grey colour RAL 7035 nylon. **Frame:** stainless steel AISI 316. **Diffuser:** tempered glass.



IP66IK08 | 105 |



1506



acc. 371 quick connector plug

grey 998041-00

acc. 372 quick connector socket

grey 998042-00

Always to be used for continuous line with wire. Cable gland with inlet cable 16A min. \varnothing 9 max \varnothing 12 mm. **10 per pack.**

971 Ottima

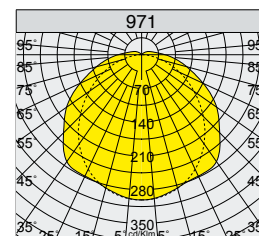
		CLD	CLD-E	CLD D-DALI		LUMEN OUTPUT (tq= 25 °C)
colour	weight	code	code	code	W tot	K - ϕ lm - CRI
gris	2,00	164770-00	164770-07	164770-0041	25	4000K - 4302 lm - CRI>80
		164777-00	164777-07	164777-0041	34	4000K - 6300 lm - CRI>80
		164771-00	164771-07	164771-0041	39	4000K - 7400 lm - CRI>80
		164772-00	164772-07	164772-0041	48	4000K - 8438 lm - CRI>80
		164773-00	164773-07	164773-0041	53	4000K - 9017 lm - CRI>80
		*164774-00	164774-07	164774-0041	57	4000K - 9555 lm - CRI>80
		*164775-00	164775-07	164775-0041	61	4000K - 10041 lm - CRI>80
		*164776-00	164776-07	164776-0041	65	4000K - 10600 lm - CRI>80

*57-61-65W = luminous flux maintenance 80%: 100.000h (L80B20).

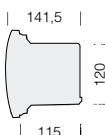
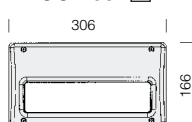
4000K

CRI
>80

120.000h
L80B20



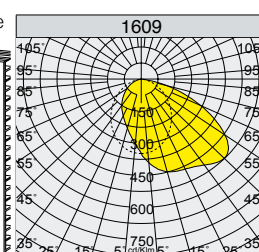
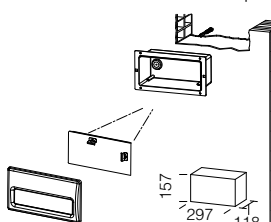
IP66IK08



1609 Box 1 - asymmetric screen eyelid

		CLD		LED (tj= 25 °C)
colour	weight	code	W	K - ϕ lm - CRI
inox	1.70	431770-00	4,5	4000K - 480lm - CRI>80

Recessed installation example





Bitta - design Lorenzo Stano

Housing: in die-cast aluminium.

Base: in die-cast aluminium.

Column: in extruded aluminium.

Diffuser: in opal, V2 polycarbonate, shatterproof and self-extinguishing, UV-stabilised.

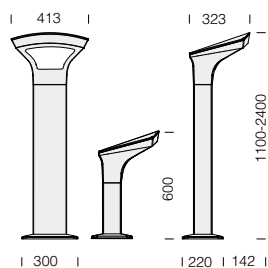
Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

Standard supply: the column version is equipped with anchors and socket-plug connector for quick installation.

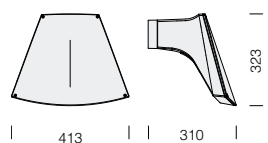
LED: Power factor $\geq 0,9$. Photobiological safety class: exempt group.

Bitta - design Lorenzo Stano

IP66IK08



IP66IK08



1840 Bitta 1

LED	colour	CLD			W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm 110mA - CRI
		weight	code	h		
LED	grey 9007	6.20	511430-00	600	11	4000K - 549lm - CRI>80
	graphite		511432-00			
	anthracite		511433-00			
	corten		511430-2191			
LED	grey 9007	8.20	511435-00	1100	11	4000K - 549lm - CRI>80
	graphite		511436-00			
	anthracite		511437-00			
	corten		511435-2191			

1849 Bitta 3

LED	colour	CLD			W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm 350mA - CRI
		weight	code	h		
LED	grey 9007	13.00	511443-00	2400	27	4000K - 2394lm - CRI>80
	grafite		511444-00			
	antracite		511445-00			
	corten		511443-2191			

1841 Bitta 2 wall version

LED	colour	CLD			W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm 110mA - CRI
		weight	code	h		
LED	grey 9007	3,20	511440-00		11	4000K - 549lm - CRI>80
	graphite		511441-00			
	anthracite		511442-00			
	corten		511440-2191			

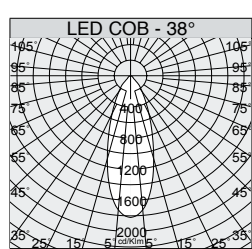


3000K

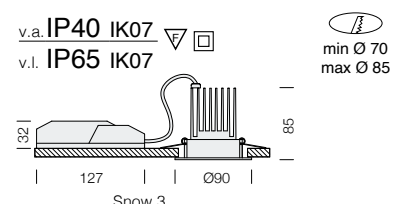
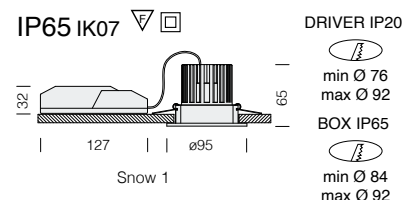
4000K

CRI
>90-92

50.000h
L80B20



On request: chrome version:



Snow 1

		CLD		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI - degrees
LED	colour	weight	code		
COB	white	0,30	22082610-00	12	3000K - 1070 lm - CRI>90 - 38°
	silver		22082670-00		
COB	white	0,30	22082610-68	12	4000K - 1145 lm - CRI>90 - 38°
	silver		22082670-68		

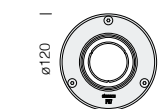
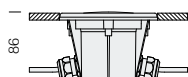
Equipped with cable L=1,5m , cable gland and steel screws with special anticorrosion treatment.

Snow 3

		CLD		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI - degrees
LED	colour	weight	code		
COB	white	0,30	22082613-00	10	3000K - 957 lm - CRI 92 - 38°
	black		22082633-00		
COB	white	0,30	22082614-00	10	4000K - 990 lm - CRI 92 - 38°
	black		22082634-00		

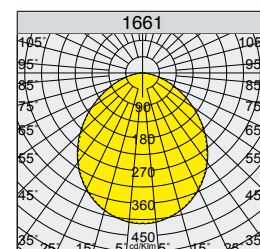


IP67 IK08



1661 Microfloor - LED 230V

		CLD		temperature and load				W	LED (tj= 25 °C)	
230V	colour	weight	code	Max T. on glass ta 25°	max kg load	can be walked on	can bear vehicle loads		K - olm 230V	
LED	s. steel	0.40	530816-00	30°	2000	OK	OK	1	4000K - 80 lm - CR>80	



acc. 314 - chassis

993926-00

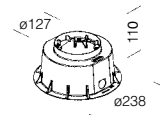
To install Microfloor on the wall.



acc. 313 - outer shell

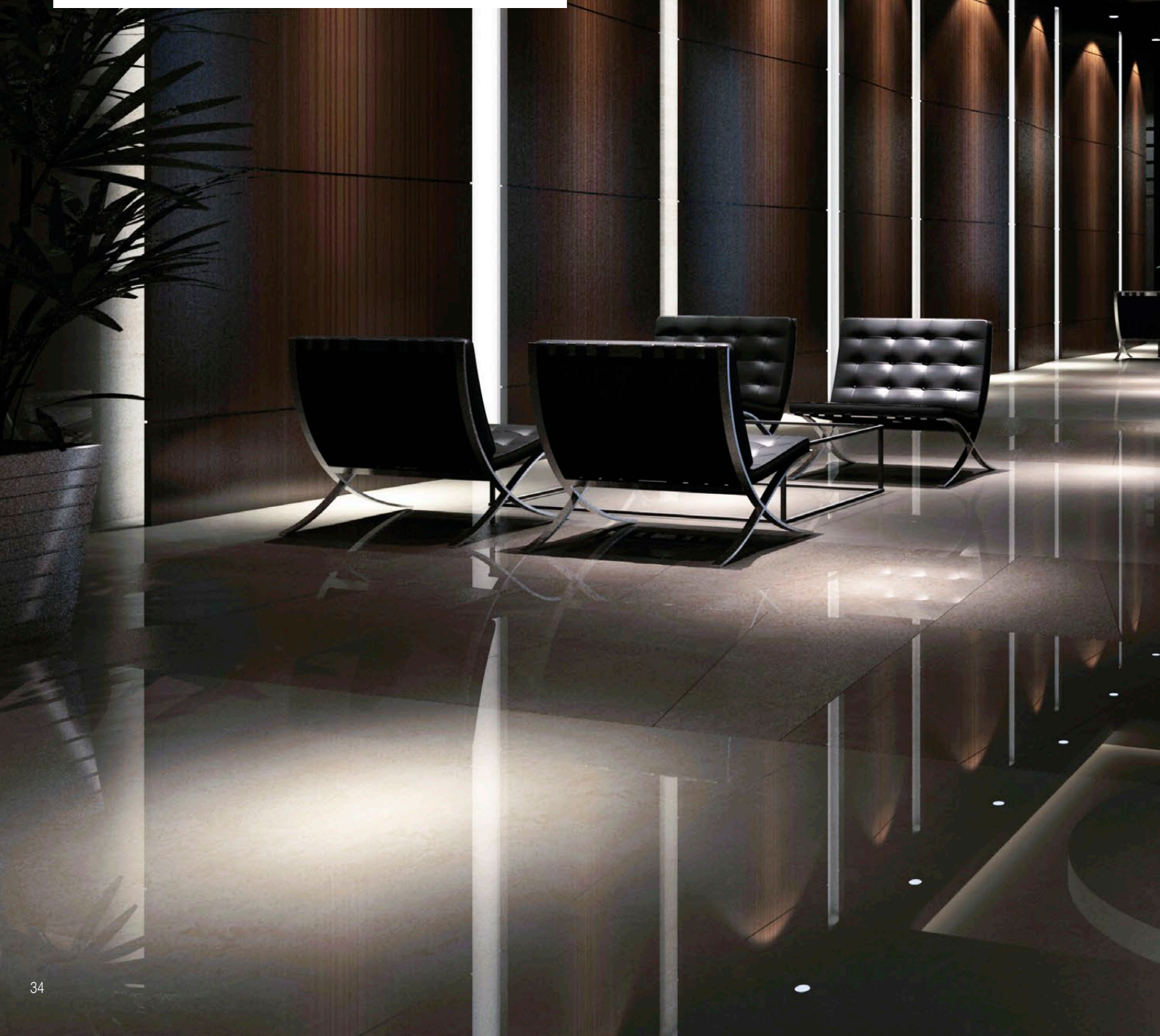
993925-00

To install Microfloor into the ground.



☆☆☆☆
Hotel collection
☆☆☆☆☆

Reception





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Liset 2.0 Ring

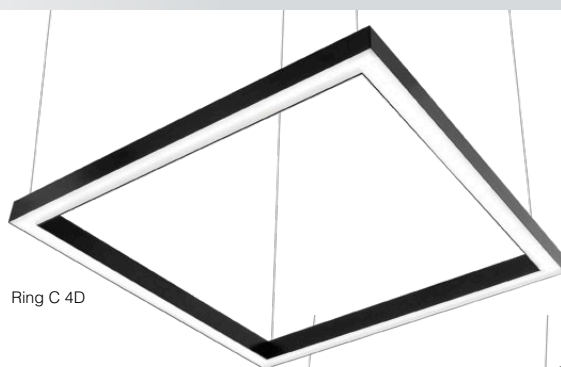
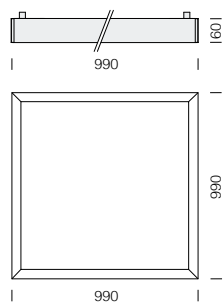
Liset 2.0 is a linear and modular lighting system that is easily customisable and capable of offering a series of lighting solutions in any setting, including retailing, artistic and cultural spaces or in entrance lobbies and/or hospitality facilities. Compact, elegant, flexible and small, **Liset 2.0** is simple to install as a recessed, ceiling, suspension or track lamp. It is available in three versions: with dark light lamellar optics with URG<19, or with either white or black polycarbonate comfort optics and polycarbonate opal diffuser. The entire range has latest generation 4000K LED sources with 80 and 90 CRI, making these products easy to fit into any lighting design project.

Housing: made of extruded aluminium.

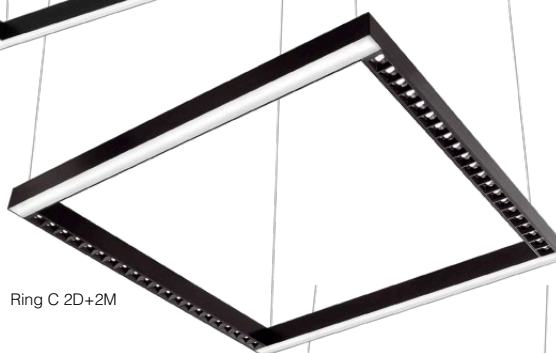
Heads: in die cast aluminium.

LED: power factor: ≥ 0.92 . Photobiological safety class: exempt group.

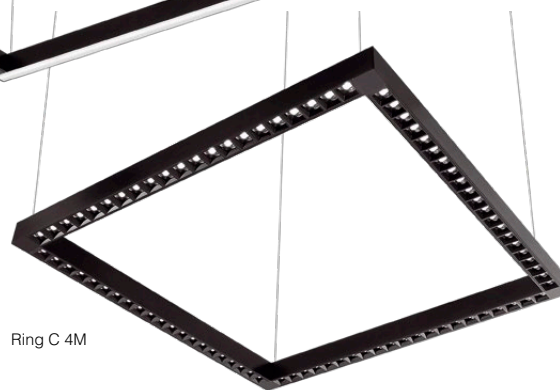
IP40 IK07



Ring C 4D



Ring C 2D+2M



Ring C 4M



Upon request:

- DIMM-DALI version with sub-code **-1241** (4000K) or **-3941** (3000K).
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)

The product offers the possibility to choose the correct drive current for LEDs and have the right power and the luminous flux under specific design conditions.

Liset 2.0 "SQ" - C 4D

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
LED	white	990	8,50	22302710-00	46	4000K - 4320 lm - CRI>80
	black			22302730-00		
LED	white		8,50	22302710-39	46	3000K - 4018 lm - CRI>80
	black			22302730-39		

Diffuser: in polycarbonate.

Liset 2.0 "SQ" - C 2D+2M

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
LED	white	990	10,00	22302810-00	51	4000K - 5320 lm - CRI>80
	black			22302830-00		
LED	white		10,00	22302810-39	51	3000K - 4948 lm - CRI>80
	black			22302830-39		

Diffuser: in polycarbonate.

Comfort optics: in black anti-glare polycarbonate (white colour version is available upon request).

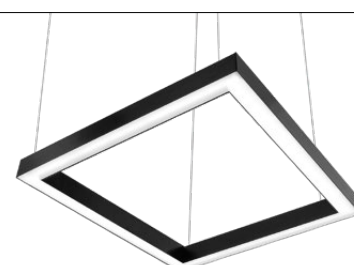
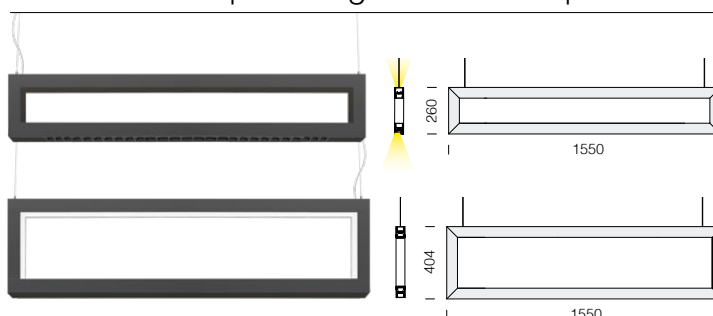
Liset 2.0 "SQ" - C 4M

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
LED	white	990	11,50	22302910-00	55	4000K - 6320 lm - CRI>80
	black			22302930-00		
LED	white		11,50	22302910-39	55	3000K - 5878 lm - CRI>80
	black			22302930-39		

Comfort optics: in black anti-glare polycarbonate (white colour version is available upon request).



Liset 2.0 - special 'light blade' compositions



Other size on request

RECEPTION

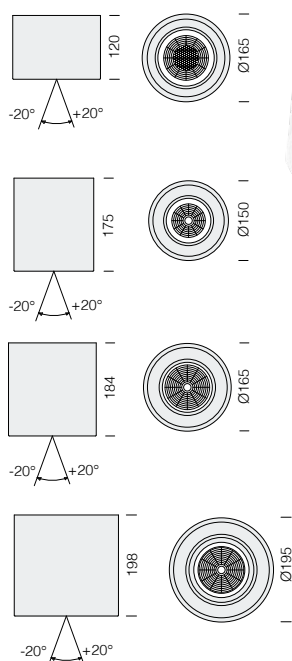
Themis

Lens: faceted, with high efficiency output and very low glare rate.

Reflector: high-efficiency metallised polycarbonate.

LED: power factor $\geq 0,9$. Photobiological safety class: exempt group.

IP20 IK07 ▽ □



L 165



R 150



R 165



R 195

3000K

4000K

CRI
85

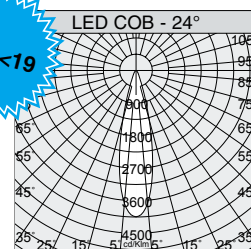
CRI
>90

50.000h
L80B20

Themis L165 - adjustable with lens

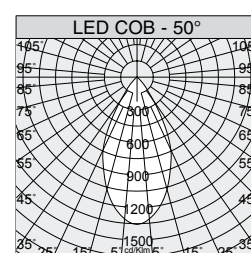
LED	colour	CLD		CLD D-DIG (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI - degrees
		weight	code	code	code		
COB	white	1,00	22071310-00	22071310-1241		25	3000K - 2442 lm - CRI 85 - 24°
	grey		22071370-00	22071370-1241			
COB	white	1,00	22071310-68	22071310-6841		25	4000K - 2613 lm - CRI 85 - 24°
	grey		22071370-68	22071370-6841			

UGR<19



Themis R150 - adjustable with optic

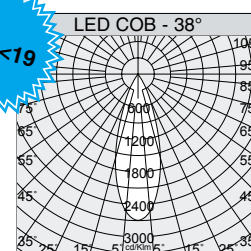
LED	colour	CLD		CLD D-DIG (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI - degrees
		weight	code	code	code		
COB	white	0,90	22071010-00	22071010-1241		24	3000K - 1819 lm - CRI>90 - 50°
	grey		22071070-00	22071070-1241			
COB	white	0,90	22071010-68	22071010-6841		24	4000K - 1946 lm - CRI>90 - 50°
	grey		22071070-68	22071070-6841			



Themis R165 - adjustable with optic

LED	colour	CLD		CLD D-DIG (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI - degrees
		weight	code	code	code		
COB	white	1,20	22071110-00	22071110-1241		33	3000K - 2515 lm - CRI>90 - 38°
	grey		22071170-00	22071170-1241			
COB	white	1,20	22071110-68	22071110-6841		33	4000K - 2691 lm - CRI>90 - 38°
	grey		22071170-68	22071170-6841			

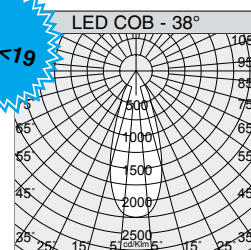
UGR<19



Themis R195 - adjustable with optic

LED	colour	CLD		CLD D-DIG (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI - degrees
		weight	code	code	code		
COB	white	1,60	22071210-00	22071210-1241		40	3000K - 3100 lm - CRI>90 - 38°
	grey		22071270-00	22071270-1241			
COB	white	1,60	22071210-68	22071210-1241		40	4000K - 3300 lm - CRI>90 - 38°
	grey		22071270-68	22071270-1241			

UGR<19





Strip LED

Strip LED: 24 V constant voltage stripe, ideal for application on aluminum extrusions but also for various decorative lighting applications such as cove lighting, façade accent lighting etc.

Features and benefits :

- Extremely narrow pitch distance enables short distance to diffuser and outstanding homogeneity
- High design freedom due to 5 cm cut-options
- Self-adhesive 3M tape at the backside for simple mounting on different surfaces
- PCB to PCB and wire to PCB connectors for toolless handling and connection
- Small colour tolerance (MacAdam 3)
- System solution in combination with constant voltage LED Driver (fixed output and dimmable)
- **Connector not included**



24 V

3000K

4000K

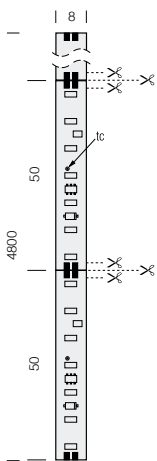
6500K

CRI
>90

50,000h
L80B20

Strip - LED 24V - CRI>90

		CLD S+L						
wattage W/m	colour	tot. lenght	code		W/m	K - CRI - degrees		ølm/m
LED 6W	white	5 m	22485413-00		6	3000K - CRI>90 - 120°		600 lm/m
			22485414-00			4000K - CRI>90 - 120°		
			22485416-00			6500K - CRI>90 - 120°		
LED 11W	white	5 m	22485513-00		11	3000K - CRI>90 - 120°		1200 lm/m
			22485514-00			4000K - CRI>90 - 120°		
			22485516-00			6500K - CRI>90 - 120°		
LED 19W	white	5 m	22485613-00		19	3000K - CRI>90 - 120°		1800 lm/m
LED 16W			22485614-00		16	4000K - CRI>90 - 120°		
			22485616-00			6500K - CRI>90 - 120°		
LED 26W	white	5 m	22485713-00		26	3000K - CRI>90 - 120°		2500 lm/m
LED 23W			22485714-00		23	4000K - CRI>90 - 120°		
			22485716-00			6500K - CRI>90 - 120°		



Connector for connection of LED strip modules:

- Easy assembly: remove adhesive 3M tape on the backside of the LED Strip in the connection area, insert the LED Strip into the connector and lock it by pressing down the top of the connector.
- The insertion length of the LED Strip must be at least 4 mm (cut the LED Strip at the dotted lines).

Plug connector wire

white	22028110-00
-------	-------------

Connector with wire.



Continuous line connector

white	22028111-00
-------	-------------

To connect Strip-LED in continuous line.



Corners connector

150x9,8x5,7	22028210-00
60x9,8x5,7	22028211-00

To connect Strip-LED to corners.



IP20 Driver - V in 100-277V 0/50/60Hz - V out 24V DC

type	output energy power	size (mm) B - H - L	code
35W/24V	max 35W	40 - 21 - 220	22090235-00
60W/24V	max 60W	40 - 21 - 250	22090260-00

IP20 Driver DALI - V in 220-240V 0/50/60Hz - V out 24V DC

35W/24V	max 35W	43 - 30 - 195	22090235-1241
60W/24V	max 60W	43 - 30 - 225	22090260-1241

IP20 Driver - V in 120-277V 0/50/60Hz - V out 24V DC

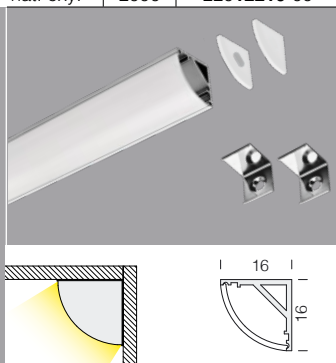
96W/24V	max 96W	40 - 21 - 300	22090296-00
180W/24V	max 180W	64 - 31 - 280	22090218-00

IP20 Driver DALI - V in 220-240V 0/50/60Hz - V out 24V DC

100W/24V	max 100W	43 - 30 - 295	22090210-12
150W/24V	max 150W	43 - 30 - 325	22090215-12

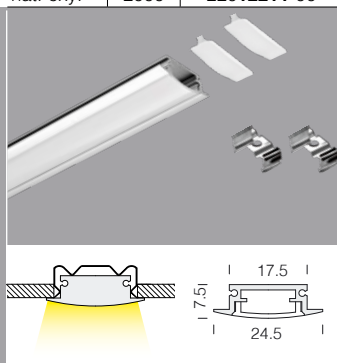
A Profile - angular

S		
colour	L mm	code
nat. oxy.	2000	22012210-00



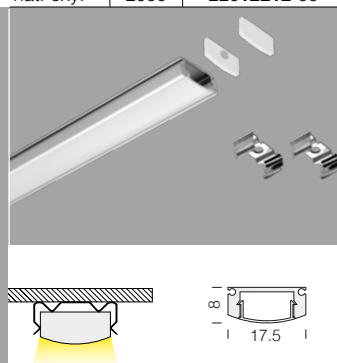
B Profile - recessed

S		
colour	L mm	code
nat. oxy.	2000	22012211-00



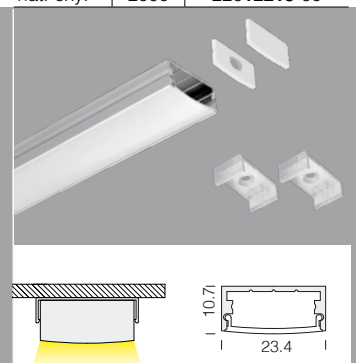
C Profile

S		
colour	L mm	code
nat. oxy.	2000	22012212-00



D Profile

S		
colour	L mm	code
nat. oxy.	2000	22012213-00

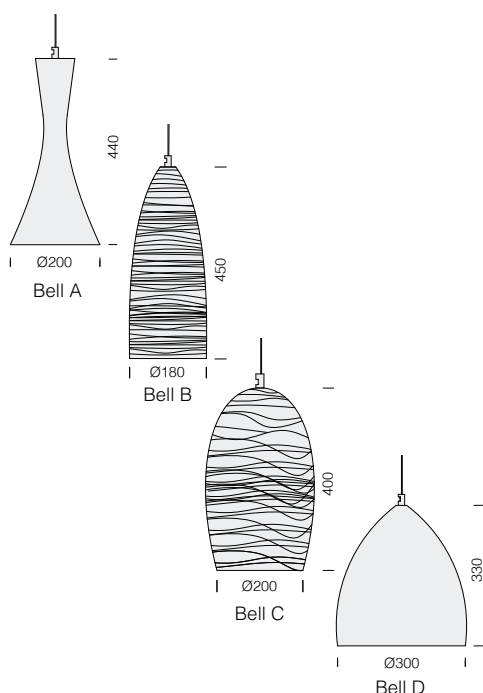


Bell DECOR LINE

Brighten your home, restaurant or store with our assortment of suspension Bell - Decor Line fixtures available in different designs and colours. Bell is an easy-to-mount suspension luminaire ideal for any setting; extremely versatile, it can serve as an aesthetic finishing element. With these products, that combine style with functionality, the only thing left to do is choose the right LED to use.



IP20 IK07 ▼



Bell A - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	gold	E27	22222690-00
	white		22222661-00

Bell B - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	gold	E27	22222790-00
	white		22222710-00

Bell C - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	gold	E27	22222890-00
	white		22222881-00

Bell D - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	gold	E27	22222990-00
	white		22222991-00



LED - E27



- Incandescent-like colour, soft light in 2200K-2700K.
- Energy-saving, long life.
- Warm soft light in the same bulb shapes and sizes as incandescent fixtures.
- Mercury-free, in compliance with RoHS material restriction requirements.
- Applications: ideal for general ambient lighting in offices, conference rooms, restaurants, coffee shops, super markets, hotels and homes.

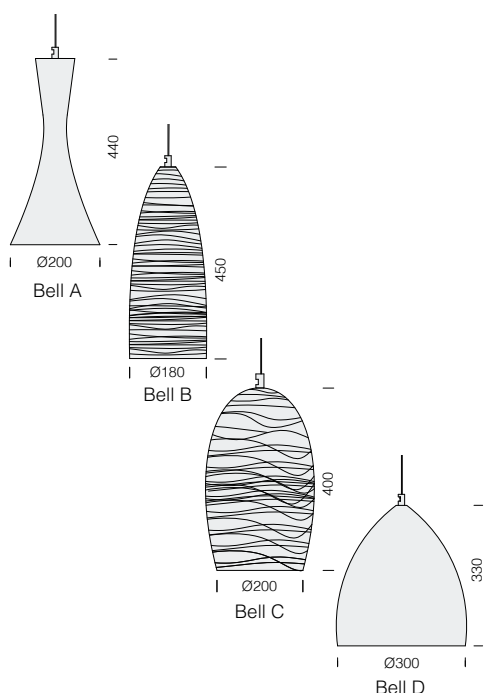


Bell DECOR LINE

Brighten your home, restaurant or store with our assortment of suspension Bell - Decor Line fixtures available in different designs and colours. Bell is an easy-to-mount suspension luminaire ideal for any setting; extremely versatile, it can serve as an aesthetic finishing element. With these products, that combine style with functionality, the only thing left to do is choose the right LED to use.



IP20 IK07 ▼



Bell A - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	burnished black	E27	22 222630 -00

Bell B - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	burnished black	E27	22 222730 -00

Bell C - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	burnished black	E27	22 222830 -00

Sur demande : version de couleur blanche.

Bell D - DECOR LINE - suspension

		S	
230V	colour	lampholder	code
LED	burnished black	E27	22 222930 -00

LED - E27



- Incandescent-like colour, soft light in 2200K-2700K.
- Energy-saving, long life.
- Warm soft light in the same bulb shapes and sizes as incandescent fixtures.
- Mercury-free, in compliance with RoHS material restriction requirements.
- Applications: ideal for general ambient lighting in offices, conference rooms, restaurants, coffee shops, super markets, hotels and homes.



Venere

External housing: in semi-opal polyethylene.

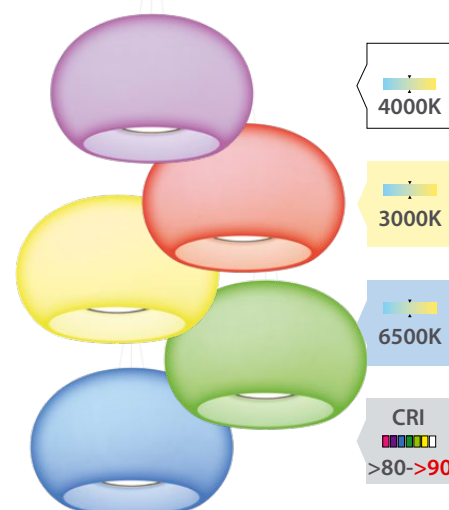
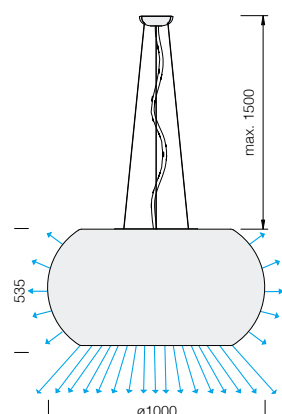
Internal reflector: made of V2 shatterproof and self-extinguishing clear polycarbonate, with anti-glare micro frosted finish.

Prismatic on the inside for improved light control, UV stabilized. Scratch-resistant coating.

Equipment: can be fixed directly onto the ceiling.

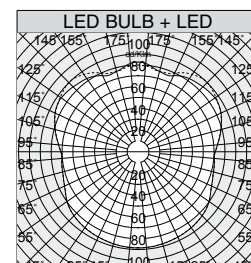
Available on request: double socket-pin terminal block for dual switching.

IP20 IK07



Venere - LED + Strip LED white color changing

LED	colour	CLD-CASAMBI		W tot	LUMEN OUTPUT (tq= 25 °C)	
		weight	code		K - ølm - CRI	
LED Bulb + LED Strip	white	15,00	22212911-00	65	LED Bulb	3000K - 1055 lm - CRI>80
					Strip LED	3000K - 1650 lm - CRI>80 4000K - 1375 lm - CRI>80 6000K - 1350 lm - CRI>80
LED COB + LED Strip	white	15,00	22212712-00	94	LED COB	3000K - 5000 lm - CRI>90
					Strip LED	3000K - 1650 lm - CRI>80 4000K - 1375 lm - CRI>80 6000K - 1350 lm - CRI>80



Venere - LED + LED RGBW

LED	colour	CLD-CASAMBI		W tot	LUMEN OUTPUT (tq= 25 °C)	
		weight	code		K - ølm - CRI	
LED Bulb + LED RGBW	white	14,20	22212910-00	67	LED Bulb	3000K - 1055 lm - CRI>80
					LED RGBW	RGB+W (4000K- 1100 lm)
LED COB + LED RGBW	white	14,20	22212710-00	96	LED COB	3000K - 5000lm - CRI>90
					LED RGBW	RGB+W (4000K- 1100 lm)

Casambi is an advanced automation lighting control system, the simplest and natural way to control your own lamps. It is a **bluetooth low energy (BLE)**. It is a bluetooth low energy (BLE) solution. BLE is a latest generation wireless technology and the only low-voltage wireless. Thanks to the intuitive simplicity of the app anyone can create and manage a lighting network singlehandedly by controlling every fixture individually or in groups depending on the needs and the functions required, using a smart phone or any other mobile device. *Casambi* technology can be integrated into luminaires, LED-drivers and even within LED-modules or bulbs, creating an optimal solution in terms of ease of installation and functionality with minimal additional hardware and deployment costs.

SMART

The *Casambi* devices are smart on their own. All the intelligence is replicated in each node leaving no single point of failure. The system itself is in constant consensus based synchronisation.

CONNECTED

The *Casambi* devices are connected when needed. An Internet connection is not necessary for general operation and day to day functionality. Bluetooth Low Energy is already implemented in smartphones and tablets, so communication can be done without any additional gateways.

USER FRIENDLY

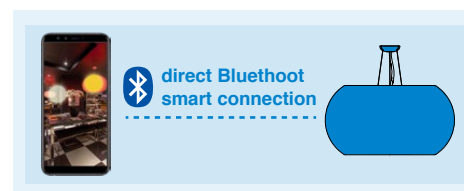
The system is intuitive. When connecting for the first time nodes are automatically pairing. The system can be used and modified by anyone, no commissioning experts are needed.

WIRELESS & BLUETOOTH LOW ENERGY

The *Casambi* network is based on the Bluetooth Low Energy protocol, which is the most energy efficient and future proof of wireless technologies. The low energy functionality of **BLE** allows developers to make products that run on small coin-cell batteries or energy-harvesting devices, making BLE the best protocol to be used in wireless lighting control applications.

NO GATEWAYS

BLE was built for Internet of Things (IoT) and has been implemented in all modern smartphones, tablets and even smart watches since the beginning of 2012. This means that no gateway modules or any kind of dongle is needed to control lighting via BLE, which makes a BLE-based lighting control solution more cost effective than solutions built on other wireless technologies.



NETWORK STRUCTURE

The *Casambi* solution is based on a network structure. *Casambi* units are paired to networks. 127 units can be paired to one network. All the units that are physically in the same area, that the user wants to access at the same time or that should have the same functionality at the same time should be paired to the same network. A network should cover an area that all the users in that area are allowed to control as the access rights are defined per whole network.

COMMUNICATION

All *Casambi* units form a wireless mesh network. The mesh network contains an algorithm that drives towards a consensus state between each participant. Once consensus is reached the communication will stop. If a unit goes offline it is no longer considered to be part of the consensus group but once it comes back online it will join the group again and catch up with others. In this way the *Casambi* network is more like a consensus based synchronisation engine, rather than a classic mesh network. The communication range between two *Casambi* units is highly dependant on the surrounding and obstacles, such as walls and building materials. In indoor environments the range can be up to 30 m and in outdoor conditions up to 50 m. It is recommended to make communication tests in environments with a lot of signal disturbing materials. Longer ranges can be achieved by using multiple *Casambi* units. **It is also important to consider that in the majority of applications either the user with a smart device or adjacent luminaires containing *Casambi* units are only ever 5 to 10 meters away from each other to provide excellent reliability in the communication network.**



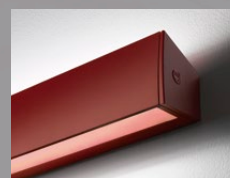


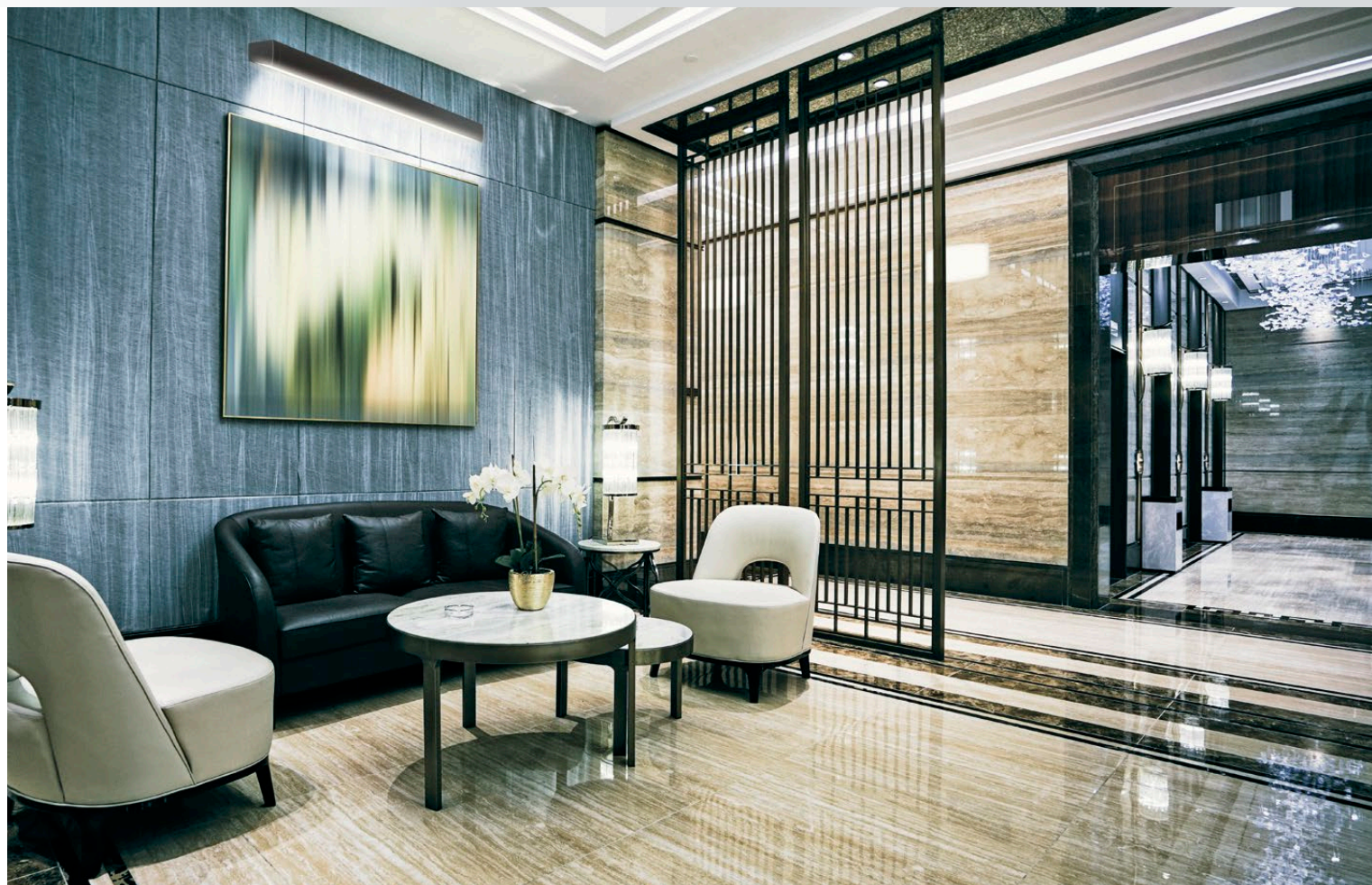
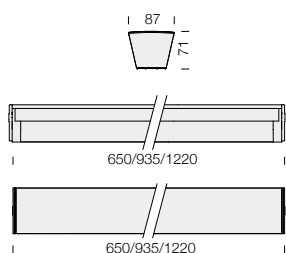
Slimcover White

Simple shape, precious materials. Single lighting fixture. Suitable for installation in villas or luxury offices.

Housing: Extruded aluminium

LED: power factor >0.95. Photobiological safety class: exempt group.



IP40 IK07 


3000K



CRI
>80



50.000h
L80B20

Slimcover White

		CLD (ON-OFF)	CLDD-E (1h)	CLD D-DIG (DALI)		LUMEN OUTPUT (tq= 25 °C)
LED (700mA)	colour	code	code	code	W tot	K - ølm (700mA) - CRI
LED 4 modules	white	22183710-00		22183710-1241	27	3000K - 1856 lm - CRI>80
LED 6 modules		22183810-00		22183810-1241	41	3000K - 2784 lm - CRI>80
LED 8 modules		22183910-00	22183910-94	22183910-1241	55	3000K - 3713 lm - CRI>80



Liset 2.0

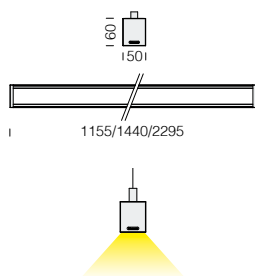
Liset 2.0 is a linear and modular lighting system that is easily customisable and capable of offering a series of lighting solutions in any setting, including retailing, artistic and cultural spaces or in entrance lobbies and/or hospitality facilities. Compact, elegant, flexible and small, **Liset 2.0** is simple to install as a recessed, ceiling, suspension or track lamp. It is available in three versions: with dark light lamellar optics with $URG < 19$, or with either white or black polycarbonate comfort optics and polycarbonate opal diffuser. The entire range has latest generation 4000K LED sources with 80 and 90 CRI, making these products easy to fit into any lighting design project.

Housing: made of extruded aluminium.

Heads: in die cast aluminium.

LED: power factor: ≥ 0.92 . Photobiological safety class: exempt group.

IP40 IK07



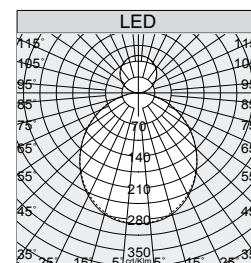
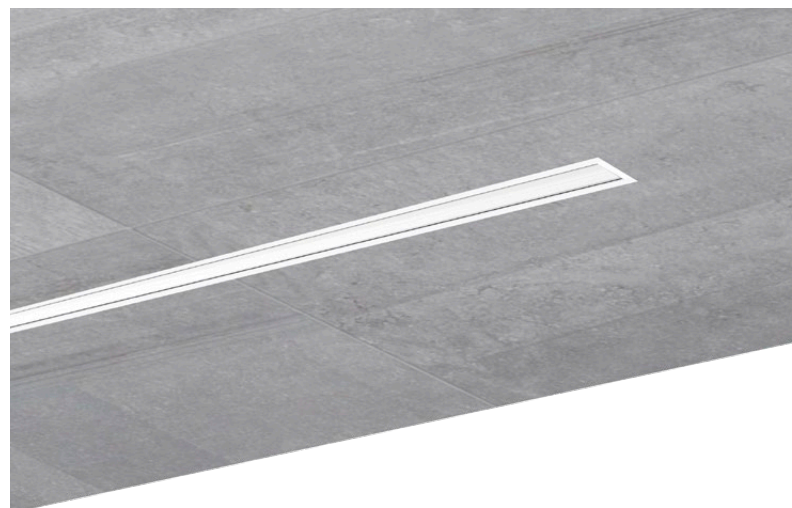
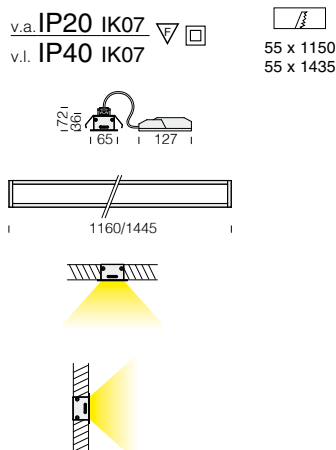
4000K

CRI
>8050.000h
L80B20

Liset 2.0 - suspension - direct - with polycarbonate diffuser

LED	colour	CLD (ON-OFF)		CLD D-DIG (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI
		L (mm)	weight	code	code		
LED 4 modules	white	1155	2,30	22302208-00	22302208-1241	28	4000K - 2530 lm - CRI>80
	black			22302238-00	22302238-1241		
LED 5 modules	white	1440	2,90	22302209-00	22302209-1241	35	4000K - 3163 lm - CRI>80
	black			22302239-00	22302239-1241		
LED 8 modules	white	2295	4,50	22302210-00	22302210-1241	55	4000K - 5060 lm - CRI>80
	black			22302230-00	22302230-1241		

On request: available 3000K version with sub-code **-39**. Pass-through wiring for continuous line mounting with subcode **-0072**.


 v.a. IP20 IK07
 v.l. IP40 IK07


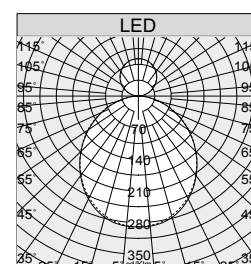
4000K

3000K

CRI
8050.000h
L80B20

Liset 2.0 - recessed - with polycarbonate diffuser

LED	colour	CLD (ON-OFF)		CLD D-DIG (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI
		L (mm)	weight	code	code		
LED 4 modules	white	1160	1,50	22302201-00	22302201-1241	28	4000K - 2530 lm - CRI>80
				22302201-39	22302201-3941		3000K - 2353 lm - CRI>80
LED 5 modules	white	1445	1,90	22302202-00	22302202-1241	35	4000K - 3163 lm - CRI>80
				22302202-39	22302202-3941		3000K - 2942 lm - CRI>80





Slim Lex

This series of products was born to meet the increasingly demanding needs of modern lighting design projects for interiors.

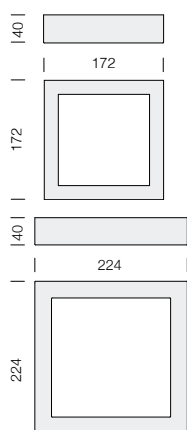
Lighting is required to be effective and flexible in order to define spaces according to the most diverse needs. Fixtures should have a remarkable visual impact with low running costs and long life cycle. They should generate special light effects such as accent lighting or ambient lighting.

Housing: in die cast aluminium.

Diffuser: panel in PMMA, 6 mm thick, with laser silk-screening suitably dimensioned based on the power level of the LED.

LED: power factor ≥ 0.9 . Photobiological safety class: exempt group.

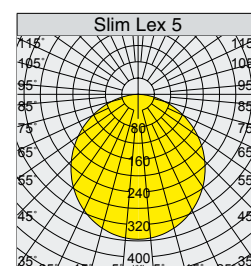
IP40 IK07 ▽ □

**Slim Lex 5 small**

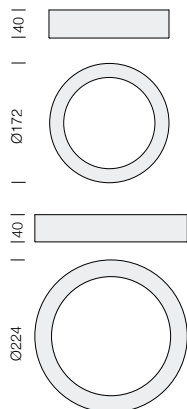
		CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code		K - ø lm - CRI
LED	white	0,60	22169414-00	12	4000K - 900 lm - CRI>80
			22169413-00		3000K - 837 lm - CRI>80

Slim Lex 5

		CLD			LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code	W tot	K - ø lm - CRI
LED	white	0,70	22169411-00	18	4000K - 1350 lm - CRI>80
			22169410-00		3000K - 1256 lm - CRI>80
		CLD-E (1h)			
LED	white	0,70	22169411-09	18	4000K - 1350 lm - CRI>80
			22169410-09		3000K - 1256 lm - CRI>80
		CLD-E (3h)			
LED	white	0,70	22169411-0957	18	4000K - 1350 lm - CRI>80
			22169410-0957		3000K - 1256 lm - CRI>80



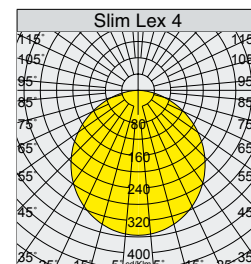
IP40 IK07 □ ▽

**Slim Lex 4 small**

		CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code		K - ø lm - CRI
LED	white	0,50	22169314-00	12	4000K - 1100 lm - CRI>80
			22169313-00		3000K - 1023 lm - CRI>80

Slim Lex 4

		CLD			LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code	W tot	K - ø lm - CRI
LED	white	0,70	22169310-00	18	4000K - 1800 lm - CRI>80
			22169311-00		3000K - 1674 lm - CRI>80
		CLD-E (1h)			
LED	white	0,70	22169310-09	18	4000K - 1800 lm - CRI>80
			22169311-09		3000K - 1674 lm - CRI>80
		CLD-E (3h)			
LED	white	0,70	22169310-0957	18	4000K - 1800 lm - CRI>80
			22169311-0957		3000K - 1674 lm - CRI>80





Antares

Housing: in die-cast aluminium equipped with adjustable steel bracket.


Reflector: screened anti-glare.

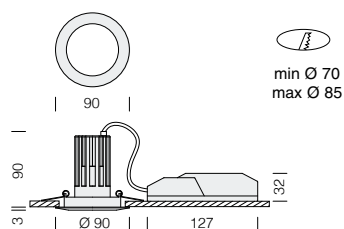
Equipment: silicone rubber protection gasket compliant with French low-energy building standards (**BBC**).

Standards: manufactured pursuant to EN 60598-1-CEI 34.21 and with a degree of protection pursuant to EN 60529.

LED: luminous flux maintenance 70%: 50.000h (L80B20).
Power factor >0.9.



v.a. **IP40 IK04** 
v.l. **IP54 IK04**



3000K

4000K

CRI
>90

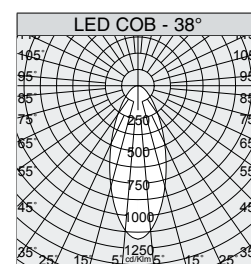
50.000h
L80B20



On request:
IP65 protection
rating with
silicone rubber
gasket

Antares

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI - degrees
		poids	code		
COB	white	0,30	2206 2410 -00	10	3000K - 671 lm - CRI>90 - 38°
			2206 2411 -00		4000K - 743 lm - CRI>92 - 38°





BoreaLED

Compact, clean-cut and easy-to-install lamp, even in continuous line, thanks to the supplied accessories. It is ideal for the general lighting of interiors (entrance halls, corridors, basements, stairways) and can be easily fitted under kitchen cabinets, above bathroom mirrors, inside wardrobes, walk-in closets, corridors, etc.

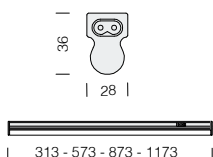
Housing: in polycarbonate.

Diffusore: in polycarbonate.

Equipment: complete with ON/OFF switch and power cable.

LED: Luminous flux maintenance 70%: 30.000h (L70B50).

IP20IK04

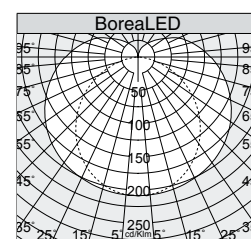


4000K

CRI
>8030,000h
L70B50

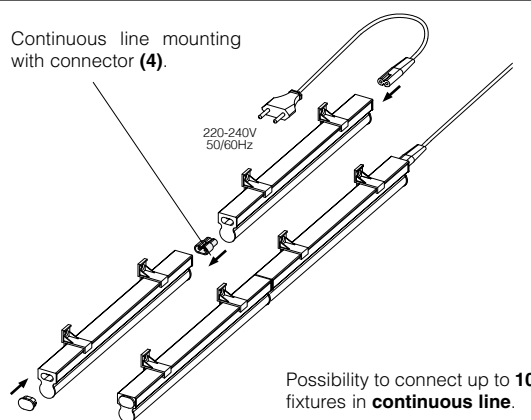
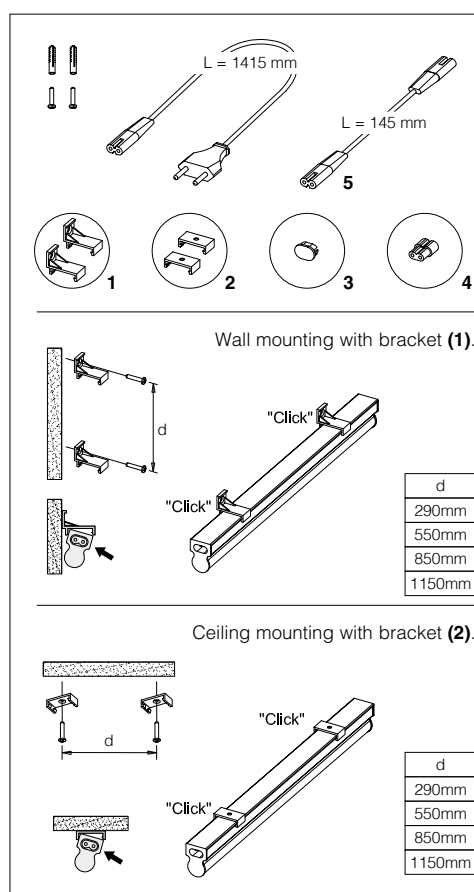
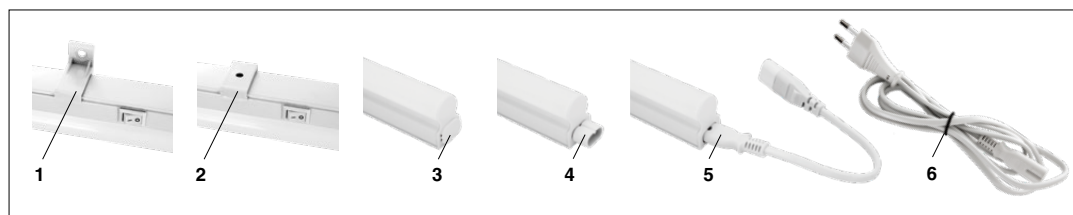
BoreaLED

LED	colour	CLD			W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	L mm	code		K - ø lm - CRI
LED	white	0.15	313	22321010-00	4	4000 K - 441 lm - CRI>80
				22321010-39		3000 K - 410 lm - CRI>80
LED	white	0.25	573	22321011-00	8	4000 K - 883 lm - CRI>80
				22321011-39		3000 K - 821 lm - CRI>80
LED	white	0.40	873	22321012-00	11	4000 K - 1215 lm - CRI>80
				22321012-39		3000 K - 1130 lm - CRI>80
LED	white	0.45	1173	22321013-00	14	4000 K - 1546 lm - CRI>80
				22321013-39		3000 K - 1438 lm - CRI>80

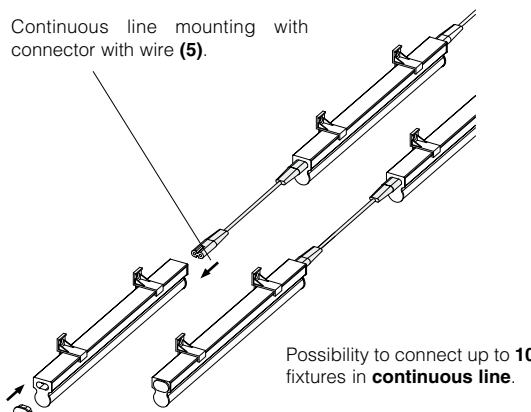
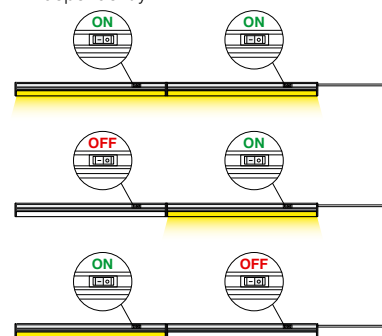


Other installation accessories included:

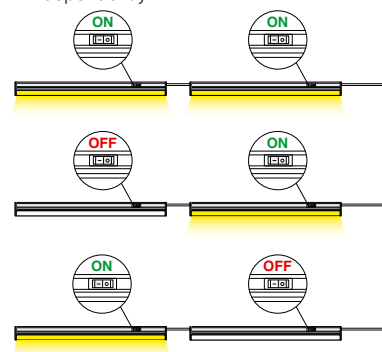
- 1) bracket for wall mounting
- 2) bracket for ceiling mounting
- 3) end cap
- 4) connector for continuous line mounting
- 5) connector with wire for continuous line mounting



Possibility to switch lights ON/OFF independently.



Possibility to switch lights ON/OFF independently.





Creta

Creta is the new recessed LED **backlighting** ceiling fixture that opens up a whole different way of thinking about artificial lighting; it offers a very bright and diffused lighting, while keeping energy consumptions extremely low and setting itself as the ideal solution for general and functional lighting applications

Housing and frame: housing in galvanised steel sheet, and frame in aluminium, contact mounting on the cross T structure.

Optics: secondary lenses in PMMA with high transparency and non-yellowing properties.

UGR glare index: UGR<17 (in any situation) - EN 12464.

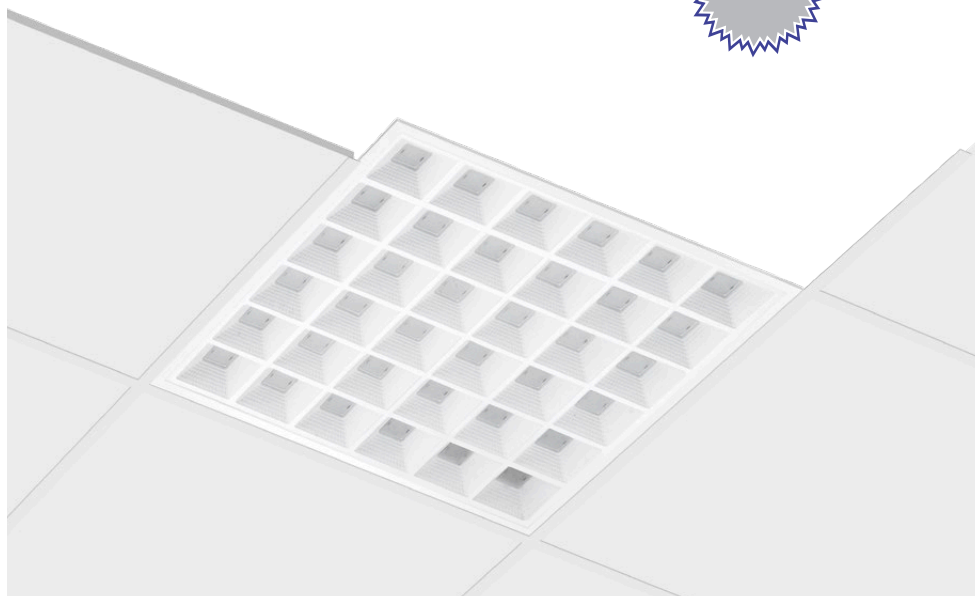
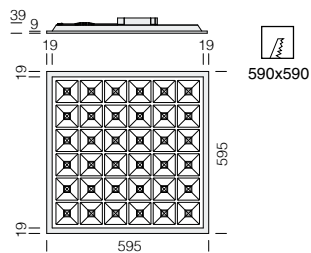
Wiring: rapid wiring connection, the fixture does not need to be opened.

LED: luminous flux maintenance 80%; 50.000h (L80B20). Power factor ≥ 0.95 .
Photobiological safety class: exempt group.

UGR<17

v.a. IP20IK06

v.l. IP40IK06



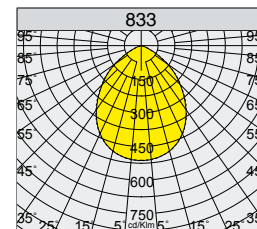
4000K

3000K

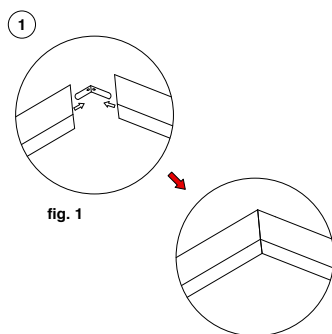
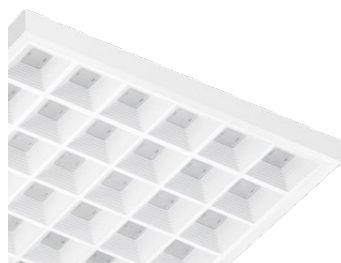
CRI
>8050.000h
L80B20

833 Creta - UGR<17

LED	colour	CLD		CLD D-D (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C)	
		weight	L	code	code		K - ølm - CRI	
LED	white	2.00	595	150240-00	150240-0041	30	4000K - 3966 lm - CRI>80	
				150240-39	150240-3941		3000K - 3688 lm - CRI>80	



CEILING MOUNTED INSTALLATION WITH ACC. 595 FRAME FOR CRETA LED

1) Assembly the frame according to the following illustration (**fig.1**)

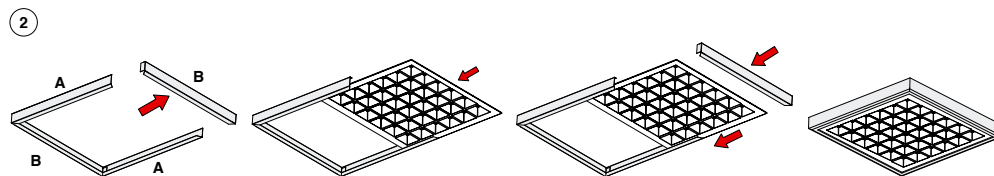
2) Installation

- Drill 4 holes at marking position with expansion screws and self-tapping screws (not screw too tight).
- Install the frame on the roof.
- Move and fix the ceiling frame (lift to right, or right to left) through hardy hole.
- Tighten self-tapping screws.
- Open the frame **B** on one side, insert the panel into the frame, then seal the frame with tightening screws.

acc. 595 frame 600x600 h70

white	998035-00
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Frame in white-coated aluminium; to be used for ceiling installation of Creta LED.

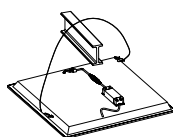


ACCESSORIES

acc. 320 safety cord

998004-00

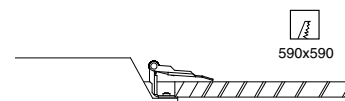
Steel safety cord.



acc. 907 springs

998038-00

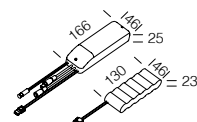
Springs for recessed non-surface mounting on plasterboard. Bag containing 4 pieces.



acc. 600 EM power kit

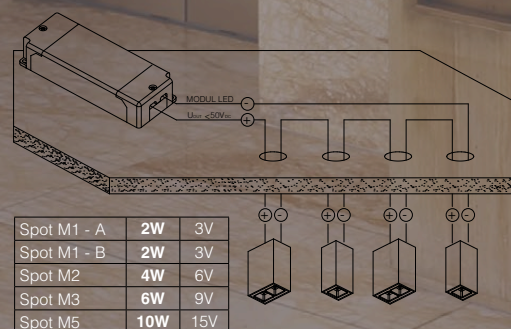
1h	986604-00
3h	986604-31

EM (emergency) lamp power kit complete with connectors.



Spot M

Spot M1 A - M1 B - M2 - M3 - M5				
Acc.	M1 A- M1 B	M2	M3	M5
22090812-00 ON-OFF 700 mA	Min. 1 Spot Max. 14 Spot	Min. 1 Spot Max. 7 Spot	Min. 1 Spot Max. 4 Spot	Min. 1 Spot Max. 2 Spot
22090813-1241 DIMM-DALI 700 mA	Min. 4 Spot Max. 18 Spot	Min. 2 Spot Max. 9 Spot	Min. 2 Spot Max. 6 Spot	Min. 1 Spot Max. 3 Spot



UGR<19

3000K

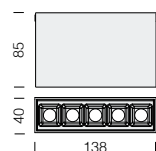
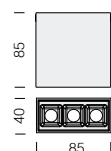
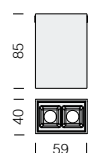
4000K

CRI

>90

50.000h
L80B20

IP40 IK07 ▼

**Spot M1-A - ceiling - UGR<19**

LED	colour	CLD	W	LUMEN OUTPUT (tq= 25 °C)
		code		K - ølm - CRI - degrees
LED 1 module	white	22510101-00	2	4000K - 209 lm - CRI>90 - 20°
		22510101-39		3000K - 194 lm - CRI>90 - 20°

On request: 15°-30° version. Driver not included.

Spot M1-B - ceiling - UGR<19

LED	colour	CLD	W	LUMEN OUTPUT (tq= 25 °C)
		code		K - ølm - CRI - degrees
LED 1 module	white	22510104-00	2	4000K - 209 lm - CRI>90 - 20°
		22510104-39		3000K - 194 lm - CRI>90 - 20°

On request: 15°-30° version. Driver not included.

Spot M2 - ceiling - UGR<19

LED	colour	CLD	W	LUMEN OUTPUT (tq= 25 °C)
		code		K - ølm - CRI - degrees
LED 2 modules	white	22510102-00	4	4000K - 380 lm - CRI>90 - 20°
		22510102-39		3000K - 353 lm - CRI>90 - 20°

On request: 15°-30° version. Driver not included.

Spot M3 - ceiling - UGR<19

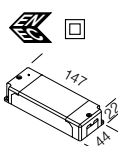
LED	colour	CLD	W	LUMEN OUTPUT (tq= 25 °C)
		code		K - ølm - CRI - degrees
LED 3 modules	white	22510103-00	6	4000K - 570 lm - CRI>90 - 20°
		22510103-39		3000K - 530 lm - CRI>90 - 20°

On request: 15°-30° version. Driver not included.

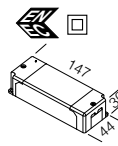
Spot M5 - ceiling - UGR<19

LED	colour	CLD	W	LUMEN OUTPUT (tq= 25 °C)
		code		K - ølm - CRI - degrees
LED 5 modules	white	22510105-00	10	4000K - 1034 lm - CRI>90 - 20°
		22510105-39		3000K - 962 lm - CRI>90 - 20°

On request: 15°-30° version. Driver not included.

**Driver ON-OFF**

white	22090812-00
Min. 2V - Max 44V-30W (700mA).	

**Driver DIMM-DALI**

white	22090813-1241
Min. 10V - Max 54V-38W (700mA).	

☆☆☆☆
Hotel
☆☆☆☆☆

Accommodation





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Snow IP65 pag. **82**

iSpot Thech

Housing: made of die-cast aluminium.

Reflector: high-efficiency metallised polycarbonate.

LED: luminous flux maintenance 80% 50.000h (L80B20). Power factor >0.9.

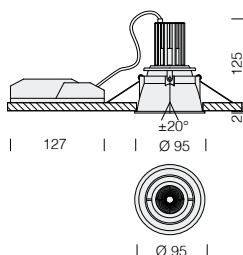
iSpot Architectural

Housing: made of die-cast aluminium.

Lens: in PMMA with high efficiency output and very low glare rate.

LED: luminous flux maintenance 80%: 50.000h (L80B20). Power factor >0.9.

IP40 IK04

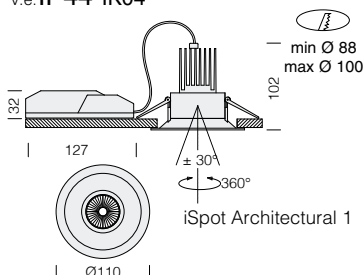


iSpot Tech

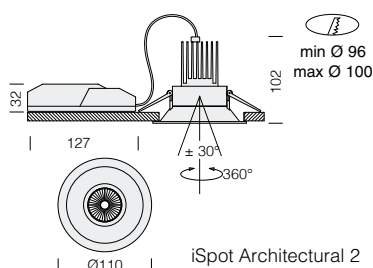


iSpot Tech

v.a. IP20 IK04 v.e. IP44 IK04



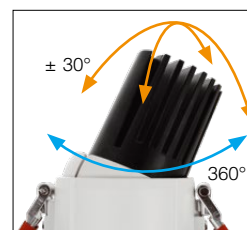
iSpot Architectural 1



iSpot Architectural 2

iSpot Architectural 1

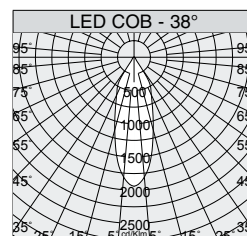
iSpot Architectural 2



iSpot Architectural 1-2

iSpot Tech 3

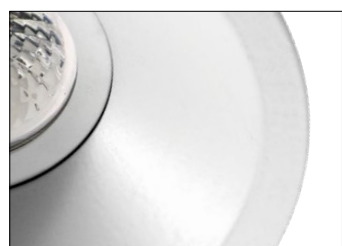
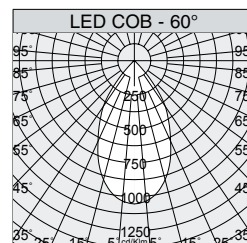
LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	white	0,30	22167210-00	10	3000K - 957 lm - CRI 92 - 38°
			22167211-00		4000K - 990 lm - CRI 92 - 38°



iSpot Architectural 1

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	white	0,30	22167310-00	10	3000K - 957 lm - CRI 92 - 60°
			22167311-00		4000K - 990 lm - CRI 92 - 60°

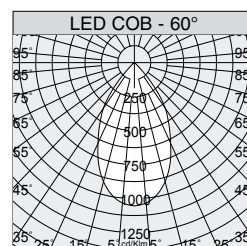
Universally applicable, suitable to replace downlights with cut out diameters ranging from 96mm to 100mm. **On request:** 15° - 38° version



iSpot Architectural 2

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	white	0,30	22167410-00	10	3000K - 957 lm - CRI 92 - 60°
			22167411-00		4000K - 990 lm - CRI 92 - 60°

Universally applicable, suitable to replace downlights with cut out diameters ranging from 96mm to 100mm. **On request:** 15° - 38° version



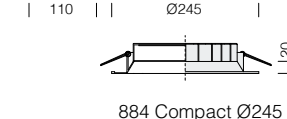
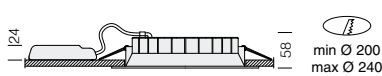
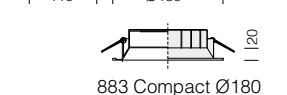
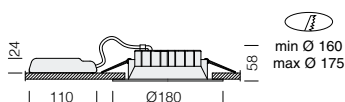
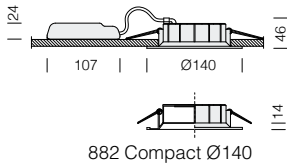
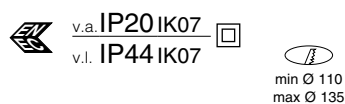
Compact

Housing: fixed downlight in die cast aluminium complete with spring clips for recessed mounting.

Diffuser: high-temperature resistant thermoplastic material.

Coating: power-coated with a UV-resistant polyester epoxy paint.

LED: power factor $\geq 0,95$. Luminous flux maintenance 80%: 55.000h (L80B20).
Photobiological safety class: exempt group.



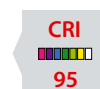
882 Compact Ø140



883 Compact Ø180

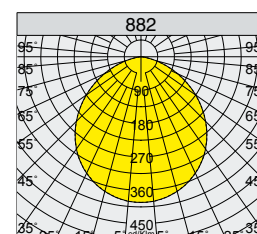


884 Compact Ø245



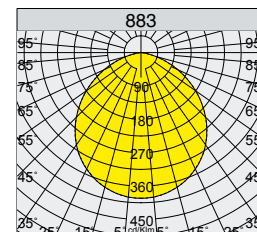
882 Compact - Ø140

wattage	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI
LED	white	0.25	156405-00	11	4000K - 1279 lm - CRI 95
			156405-39		3000K - 1216 lm - CRI 95



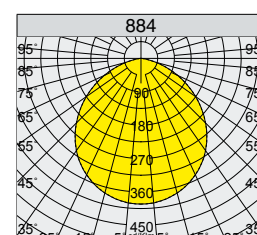
883 Compact - Ø180

wattage	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI
LED	white	0.40	156415-00	14	4000K - 1777 lm - CRI 95
			156415-39		3000K - 1688 lm - CRI 95
LED	white	0.40	156416-00	19	4000K - 2182 lm - CRI 95
			156416-39		3000K - 2073 lm - CRI 95



884 Compact - Ø245

wattage	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI
LED	white	0.60	156424-00	19	4000K - 2316 lm - CRI 95
			156424-39		3000K - 2200 lm - CRI 95
LED	white	0.60	156425-00	25	4000K - 3245 lm - CRI 95
			156425-39		3000K - 3063 lm - CRI 95
LED	white	0.60	156427-00	29	4000K - 3665 lm - CRI 95
			156427-39		3000K - 3482 lm - CRI 95



acc. 590 wire spring adapters

998115-00

Wire spring adapters to increase the supporting surface. 2-pc set.



Matrix Q

This version features a particular shape and a design with clean lines that can meet different architectonic lighting needs using high colour rendering LEDs. It is an all-new spotlight, which is entirely adjustable for an extraordinarily effective lighting project that adds value to any space and object.

Housing: in die-cast aluminium.

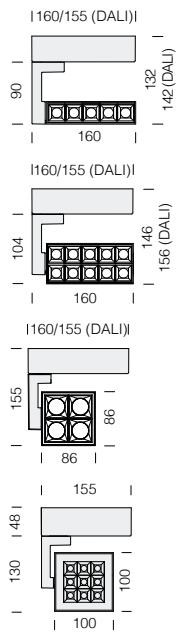
Optic compartment: front in black polycarbonate (the white colour version is available upon request).

Lens: in PMMA with high efficiency output and very low glare rate.

Equipment: supplied with universal adapter in track mounted versions.

LED: high-efficiency light sources (**CRI>90**). Photobiological safety class: exempt group.

IP40 IK07



3000K

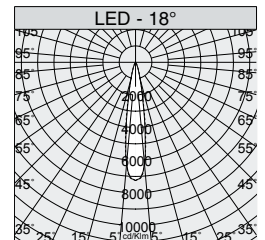
4000K

CRI >90

50.000h
L80B20

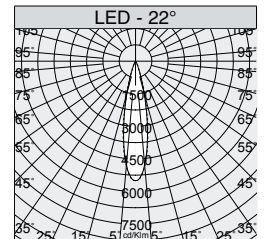
Matrix Q5 Dark "D" - base

LED	colour	CLD		CLD D-DIG (DALI)	W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code	code		K - ølm - CRI - degrees
LED	white	0,80	22203310-39	22203310-3941	12	3000K - 894 lm - CRI>90 - 18°
			22203310-00	22203310-1241		4000K - 920 lm - CRI>90 - 18°



Matrix Q10 Dark "D" - base

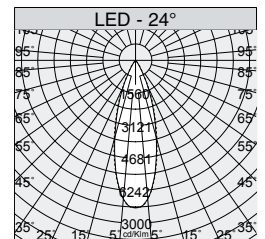
LED	colour	CLD		CLD D-DIG (DALI)	W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code	code		K - ølm - CRI - degrees
LED	white	0,90	22203610-39	22203610-3941	20	3000K - 1818 lm - CRI>90 - 22°
			22203610-00	22203610-1241		4000K - 1873 lm - CRI>90 - 22°



Matrix Q4 DARK "D" - base

LED	colour	CLD		CLD D-DIG (DALI)	W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code	code		K - ølm - CRI - degrees
LED	white	1,00	22203710-00	22203710-1241	19	4000K - 1202 lm - CRI>90 - 16°
			22203710-39	22203710-3941		3000K - 1123 lm - CRI>90 - 16°
LED	white	1,00	22203711-00	22203711-1241	19	4000K - 1558 lm - CRI>90 - 24°
			22203711-39	22203711-3941		3000K - 1456 lm - CRI>90 - 24°
LED	white	1,00	22203712-00	22203712-1241	19	4000K - 1652 lm - CRI>90 - 32°
			22203712-39	22203712-3941		3000K - 1543 lm - CRI>90 - 32°

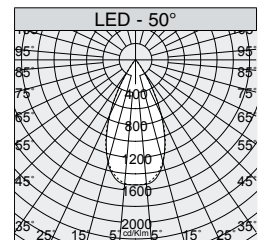
Upon request: CLD-D (1-10V) version.



Matrix Q9 DARK "D" - base

LED	colour	CLD		CLD D-DIG (DALI)	W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code	code		K - ølm - CRI - degrees
LED	white	1,10	22203011-00	22203011-1241	32	4000K - 2584 lm - CRI>90 - 32°
	black		22203031-00	22203031-1241		
LED	white	1,10	22203010-00	22203010-1241	32	3000K - 2403 lm - CRI>90 - 32°
	black		22203030-00	22203030-1241		
LED	white	1,10	22203013-00	22203013-1241	32	4000K - 2657 lm - CRI>90 - 38°
	black		22203033-00	22203033-1241		
LED	white	1,10	22203012-00	22203012-1241	32	3000K - 2471 lm - CRI>90 - 38°
	black		22203032-00	22203032-1241		
LED	white	1,10	22203015-00	22203015-1241	32	4000K - 2674 lm - CRI>90 - 50°
	black		22203035-00	22203035-1241		
LED	white	1,10	22203014-00	22203014-1241	32	3000K - 2486 lm - CRI>90 - 50°
	black		22203034-00	22203034-1241		

Upon request: CRI>80 version. CLD-D (1-10V) version.





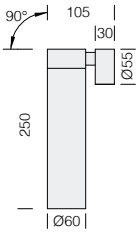
Stilo

Housing: in treated aluminium.

Upon request: in other colours.

LED: luminous flux maintenance 80%: 50.000h (L80B20).

IP40 IK07



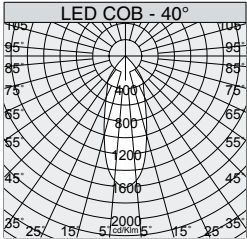

3000K


CRI
>90


50.000h
L80B20

Stilo PA2 - adjustable base

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI - degrees
		weight	code		
COB	white	0,80	22041911-00	10	3000K - 893 lm - CRI>90 - 40°
	black		22041931-00		
	chrome		22041961-00		
COB	white	CLD-D (IGBT)		10	3000K - 893 lm - CRI>90 - 40°
		0,80	22041910-00		
			22041930-00		
			22041960-00		





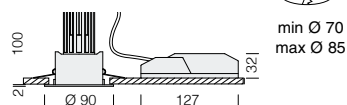
iSpot Hotel

Housing: made of die-cast aluminium.

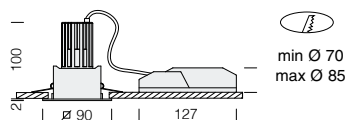
Reflector: high-efficiency metallized polycarbonate.

LED: luminous flux maintenance 80% 50.000h (L80B20).
Power factor >0.9.

IP40 IK04

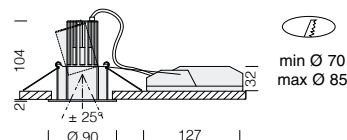


iSpot Hotel 1

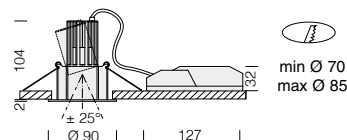


iSpot Hotel 2

v.a. IP20 IK04 v.l. IP40 IK04



iSpot Hotel 3



iSpot Hotel 4

iSpot Hotel 1

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	white	0,30	22067710-00	10	3000K - 413 lm - CRI 92 - 25°
			22067711-00		4000K - 478 lm - CRI 92 - 25°

On request: available in black colour version.

iSpot Hotel 2

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	white	0,30	22067712-00	10	3000K - 413 lm - CRI 92 - 25°
			22067713-00		4000K - 478 lm - CRI 92 - 25°

On request: available in black colour version.

iSpot Hotel 3

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	white	0,30	22067910-00	10	3000K - 380 lm - CRI 92 - 25°
			22067911-00		4000K - 441 lm - CRI 92 - 25°

On request: available in black colour version.

iSpot Hotel 4

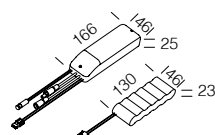
LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	white	0,30	22067912-00	10	3000K - 433 lm - CRI 92 - 25°
			22067913-00		4000K - 500 lm - CRI 92 - 25°

On request: available in black colour version.

EM power kit

1h	22096015-00
3h	22096033-00

EM (emergency) lamp power kit complete with connectors.



3000K

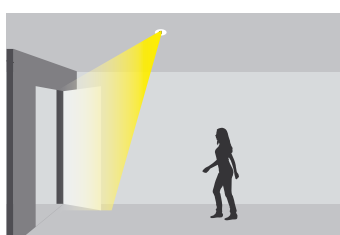
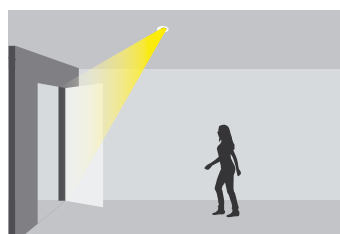
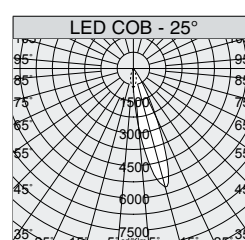
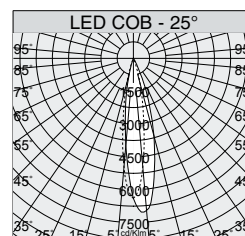
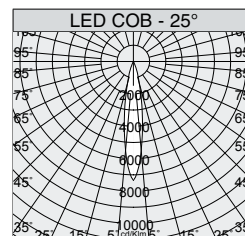
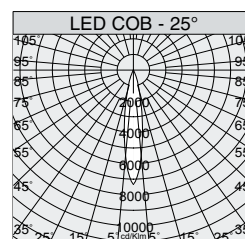
4000K

CRI 92

50.000h
L80B20



iSpot Hotel 4



Domitilla

Housing: in steel, complete with DIMM power cable.

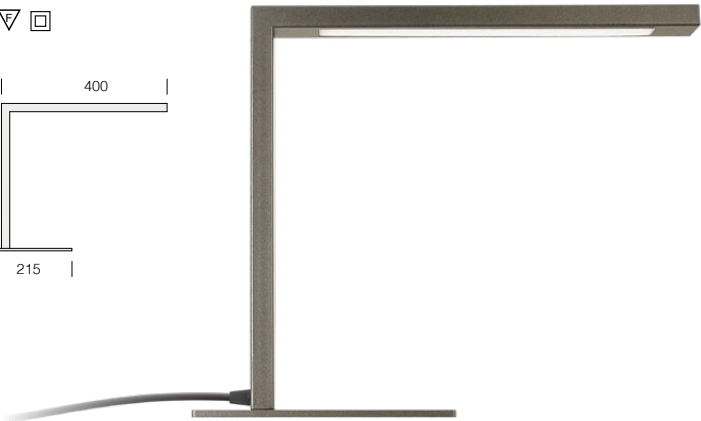
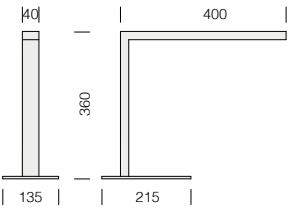
Diffuser: opal polycarbonate.

Equipment: complete with push-button on the cable and plug-in power supply to be connected directly to the power socket.

LED: luminous flux maintenance 80%: 50.000h (L80B20).



IP40 IK07



4000K

3000K

CRI >90

50.000h L80B20

Domitilla

		CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code		K - ølm - CRI
LED	white	2,00	22051010-00	8	4000K - 630lm - CRI>90
			22051010-39		3000K - 588lm - CRI>90
LED	black	2,00	22051030-00	8	4000K - 630lm - CRI>90
			22051030-39		3000K - 588lm - CRI>90
LED	graphite	2,00	22051070-00	8	4000K - 630lm - CRI>90
			22051070-39		3000K - 588lm - CRI>90



Anello

Housing: in aluminum, complete with DIMM power cable.

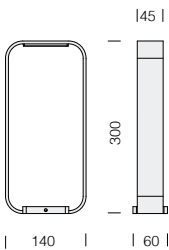
Diffuser: opal polycarbonate.

Equipment: complete with push-button on the cable and plug-in power supply to be connected directly to the power socket.

LED: luminous flux maintenance 80%: 50.000h (L80B20).



IP20 IK07



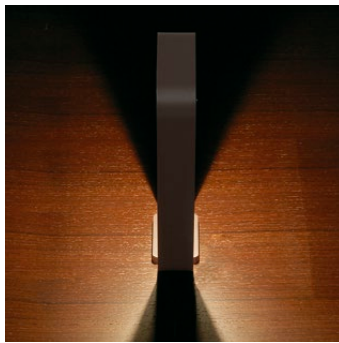
3000K

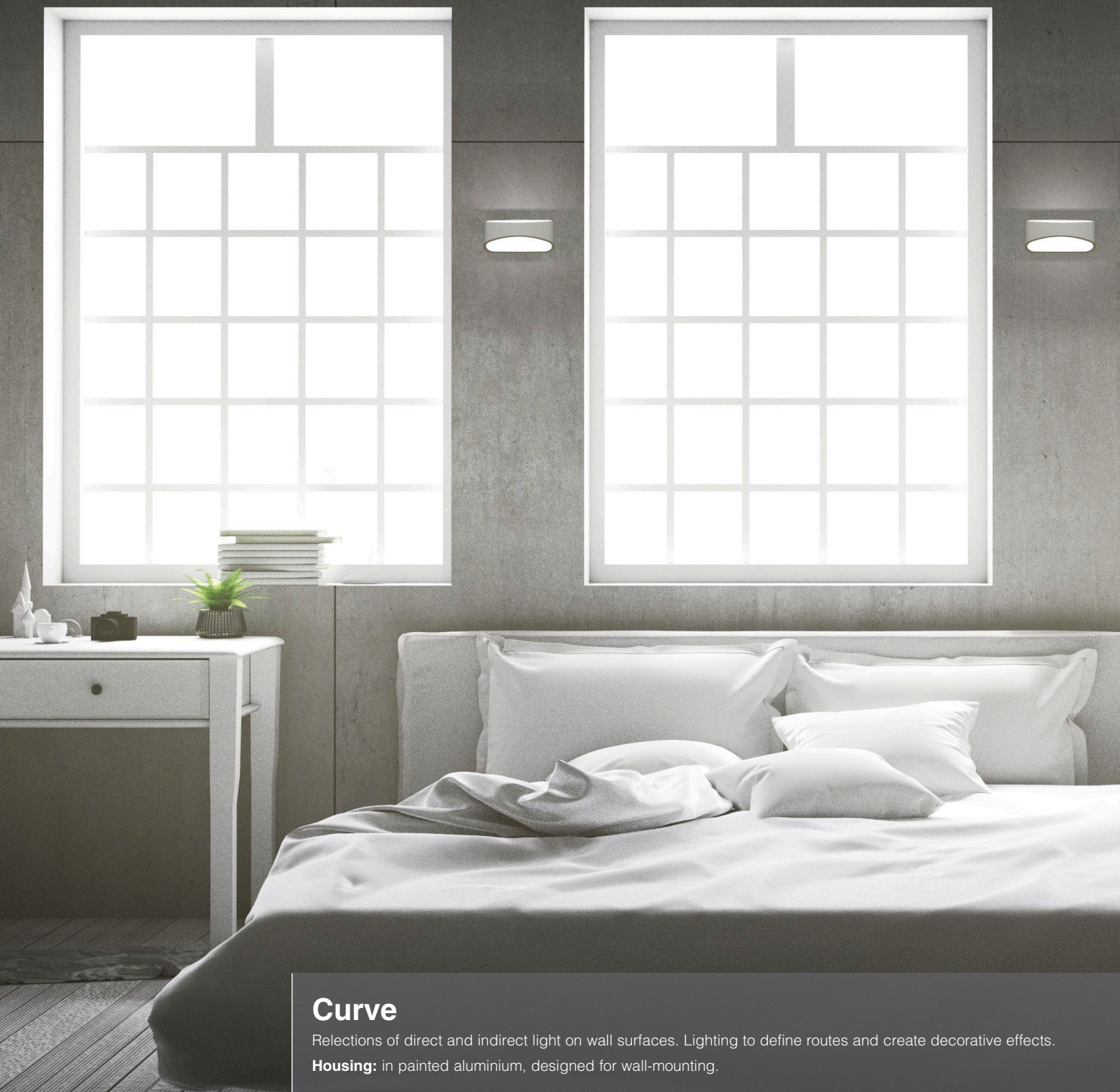
CRI
>90

50.000h
L80B20

Anello

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
LED	white	1,00	22051110-00	6	3000K - 290 lm - CRI>90
	noir		22051130-00		
	graphite		22051170-00		





Curve

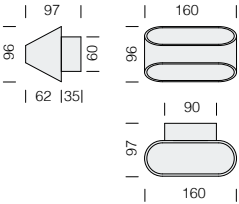
Relections of direct and indirect light on wall surfaces. Lighting to define routes and create decorative effects.

Housing: in painted aluminium, designed for wall-mounting.

LED: luminous flux maintenance L70B50: 36.000h.
Power factor >0.9



IP40 IK07



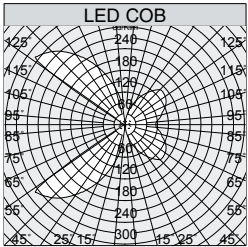
3000K

CRI 80

36.000h
L70B50

Curve

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI
LED	white	1,80	22084811-00	6	3000K - 351 lm - CRI>80





Marte IP65

Housing: made of die-cast aluminium complete with spring clips for recessed mounting.

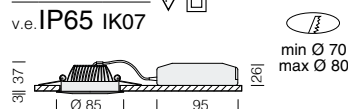
Reflector: high-efficiency metallised polycarbonate.

Equipment: silicone rubber protection gasket compliant with French low-energy building standards (BBC).

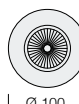
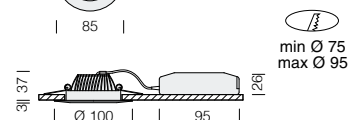
Standards: manufactured pursuant to EN 60598-1-CEI 34.21 and with a degree of protection pursuant to EN 60529.

LED: luminous flux maintenance 80%: 50.000h (L80B20). Power factor >0.9.

v.i. IP20 IK07
v.e. IP65 IK07



Marte 4



Marte 5



Marte 4



Marte 5

Marte 4

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	white	0,25	22061810-00	5	3000K - 481 lm - CRI 92 - 30°
			22061810-68		4000K - 515lm - CRI 92 - 30°

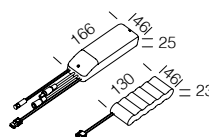
Marte 5

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	white	0,25	22061811-00	6	3000K - 642 lm - CRI 92 - 30°
			22061811-68		4000K - 687lm - CRI 92 - 30°

EM power kit

1h	22096015-00
3h	22096033-00

EM (emergency) lamp power kit complete with connectors.

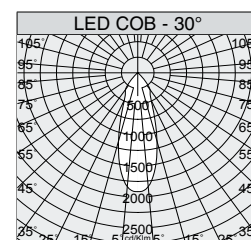


3000K

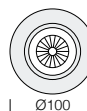
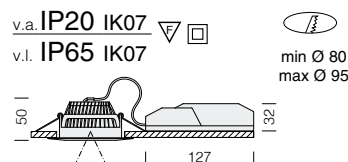
4000K

CRI 92

50.000h
L80B20



v.a. IP20 IK07
v.l. IP65 IK07



3000K

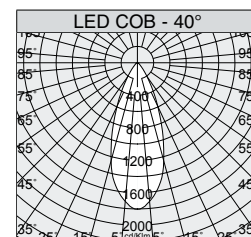
4000K

CRI 92

50.000h
L80B20

Marte 12 - adjustable

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	white	0,35	22061804-00	8	3000K - 820 lm - CRI 92 - 40°
			22061804-68		4000K - 850 lm - CRI 92 - 40°



IP65 protection rating with silicone rubber gasket



Snow IP65

Whether in the round or square version, this recessed LED spotlight is the perfect solution for installations that are designed to hide their physical presence once fitted. These spotlights are shaped to blend perfectly into the false ceilings where they are fitted. Moreover, thanks to the high **IP65** protection rating, they can be easily installed in any type of space, to create amazing light effects.

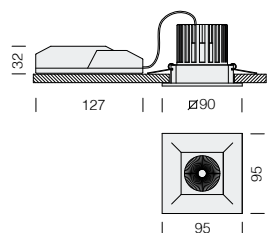
Housing: in die-cast aluminium with heat sink.

Installation: equipped with galvanised steel support brackets, with housing for springs for attachment to the false ceilings.

Coating: epoxy polyester powder coating resistant to UV rays.

Equipment: silicone rubber protection gasket compliant with French low-energy building standards (**BBC**).

IP65 IK07



DRIVER IP20

min 76X76
max 92X92

BOX IP65

min 84X84
max 92X92



3000K

4000K

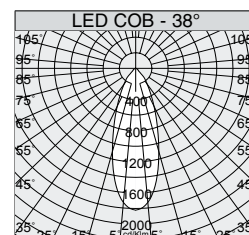
CRI
>90

50.000h
L80B20

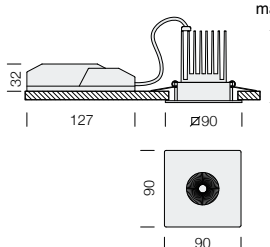
Snow 2

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI - degrees
		weight	code		
COB	white	0,30	22082710-00	12	3000K - 1070 lm - CRI>90 - 38°
	silver		22082770-00		
COB	white	0,30	22082710-68	12	4000K - 1145 lm - CRI>90 - 38°
	silver		22082770-68		

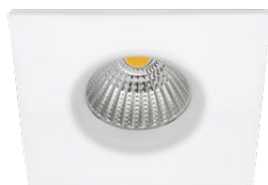
Equipped with cable L=1,5m , cable gland and steel screws with special anticorrosion treatment.



v.a. IP40 IK07
v.l. IP65 IK07



min Ø 70
max Ø 85



On request: chrome version



3000K

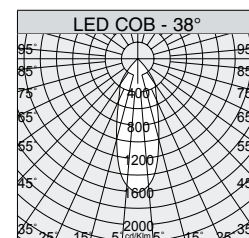
4000K

CRI
92

50.000h
L80B20

Snow 4

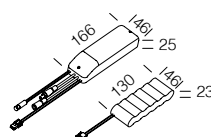
LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI - degrees
		weight	code		
COB	white	0,30	22082713-00	10	3000K - 957 lm - CRI 92 - 38°
	black		22082733-00		
COB	white	0,30	22082714-00	10	4000K - 990 lm - CRI 92 - 38°
	black		22082734-00		



EM power kit

1h	22096015-00
3h	22096033-00

EM (emergency) lamp power kit complete with connectors.



☆☆☆☆
Hotel
☆☆☆☆☆

All inclusive





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Trimless A	pag.	100
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Trimless B	pag.	102
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Liset 2.0 HCL	pag.	108
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Jet IP65	pag.	110
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Podio

Housing/frame: in die-cast aluminium with central articulated joint in die-cast aluminium.

Base: in die-cast aluminium.

Diffuser: in extra clear tempered glass, 4 mm thick, resistant to thermal shocks and impacts.

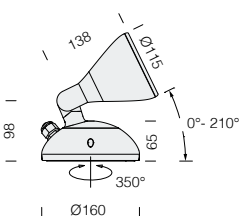
Graphite coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating. **Grey 9006 and white:** the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating. On request: coating COMPLIANT with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

Standard Supply: electronic safety device to protect the LED module and the related ballast compliant with EN 61547.

LED: power factor ≥ 0.92 . Luminous flux maintenance 80%: 50.000h (L80B20).



IP66IK08



4000K

CRI
>90

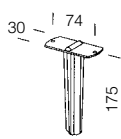
50.000h
L80B20



acc. 119 spike

991335-00

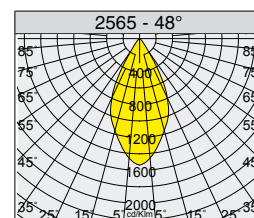
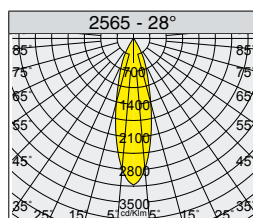
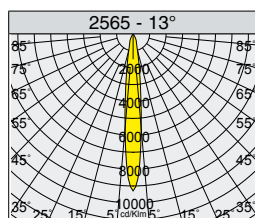
In fiber glass
nylon. For plan-
ting Podio into
the ground.



2565 Podio - with reflector

LED	colour	CLD		W tot	LUMEN OUTPUT (Tq=25°C)
		weight	code		K - ølm - CRI - degrees
COB	grey 9006	1.50	422510-00	28	4000K - 1928 lm - CRI>90 - 13°
	graphite		422511-00		
COB	grey 9006	1.50	422514-00	28	4000K - 1988 lm - CRI>90 - 28°
	graphite		422515-00		
COB	grey 9006	1.50	422518-00	28	4000K - 1985 lm - CRI>90 - 48°
	graphite		422519-00		
COB	grey 9006	1.50	422512-00	42	4000K - 3021 lm - CRI>90 - 13°
	graphite		422513-00		
COB	grey 9006	1.50	422516-00	42	4000K - 3116 lm - CRI>90 - 28°
	graphite		422517-00		
COB	grey 9006	1.50	422558-00	42	4000K - 3111 lm - CRI>90 - 48°
	graphite		422559-00		

Upon request version with: CLD D-D (DALI) wiring with sub-code -0041.



Spy

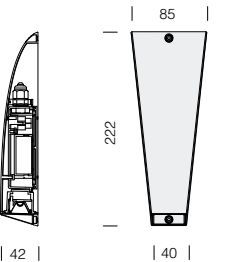
Housing: in die-cast aluminium.

Electric gear: supplied with inbuilt power supply.

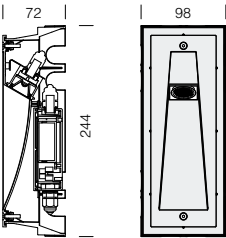
LED: luminous flux maintenance 70%: 25.000h (L70B50).



IP65 IK08



1675



1676



1675



1676

4000K

CRI >80

25.000h
L70B50

1675 Spy

		CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code		K - ølm (350mA) - CRI - degrees
LED	grey 9007	0.50	530672-00	2,5	4000 K - 150 lm - CRI>80 - 10°

1676 Spy

		CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code		K - ølm (350mA) - CRI - degrees
LED	grey 9007	0.50	530683-00	2,5	4000 K - 150 lm - CRI>80 - 24°

Portofino slim

Housing and cone: in die-cast aluminium.

Column: in extruded aluminium, cylindrical section.

Base column: in die-cast aluminium with internal reinforcement ribs.

Diffuser: in vandal-resistant V2 self-extinguishing polycarbonate, UV-stabilized.

Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cathaphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

Equipment: complete with IP67 watertight connector for line connection. Easy and quick to install.

LED: power factor ≥ 0.9 . Photobiological safety class: exempt group.

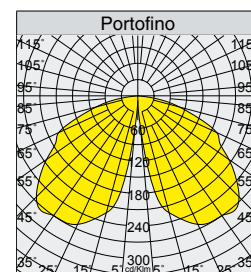


1866 Portofino slim - short version

230V	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		
LED	graphite	0.80	511142-00	10	4000K - 801lm - CRI>80
			511142-39		3000K - 745lm - CRI>80

1867 Portofino slim - medium version

230V	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		
LED	graphite	1.60	511152-00	10	4000K - 801lm - CRI>80
			511152-39		3000K - 745lm - CRI>80



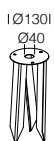
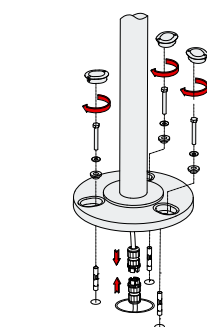
1868 Portofino slim - short version

230V	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		
LED	graphite	0.90	511182-00	10	4000K - 801lm - CRI>80
			511182-39		3000K - 745lm - CRI>80

1869 Portofino slim - medium version

230V	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		
LED	graphite	1.10	511192-00	10	4000K - 801lm - CRI>80
			511192-39		3000K - 745lm - CRI>80

Upon request: Portofino slim with special connector, ideal for installation on floating floors (1) or to allow use as a table lamp (2).



acc. 121 spike

inox	code
inox	991337-00

In AISI 304 stainless steel. For planting Portofino short version into the ground.

Portofino family



art. 1881 art. 1874 art. 1866 art. 1867 art. 1875 art. 1876 art. 1878 corten art. 1878 art. 1868 art. 1869 art. 1879 art. 1880

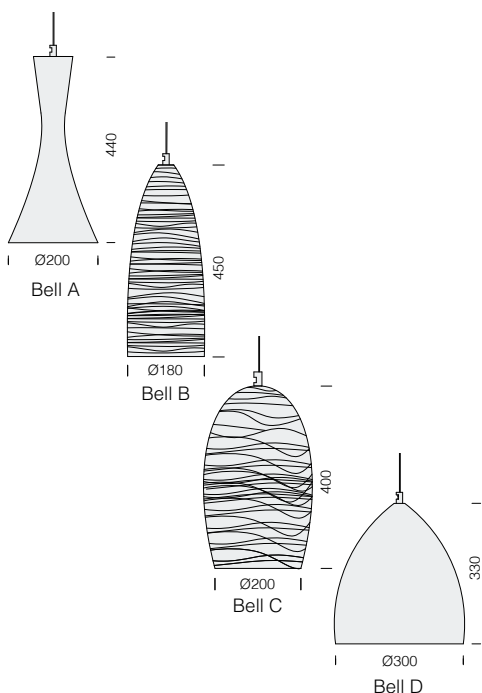


Bell DECOR LINE

Brighten your home, restaurant or store with our assortment of suspension Bell - Decor Line fixtures available in different designs and colours. Bell is an easy-to-mount suspension luminaire ideal for any setting; extremely versatile, it can serve as an aesthetic finishing element. With these products, that combine style with functionality, the only thing left to do is choose the right LED to use.



IP20 IK07 ▽

**Bell A - DECOR LINE - suspension**

		S	
LED	colour	lampholder	code
LED	copper	E27	22222680-00

Bell B - DECOR LINE - suspension

		S	
LED	colour	lampholder	code
LED	copper	E27	22222780-00

Bell C - DECOR LINE - suspension

		S	
LED	colour	lampholder	code
LED	copper	E27	22222880-00

Bell D - DECOR LINE - suspension

		S	
LED	colour	v	code
LED	copper	E27	22222980-00

LED - E27

- Incandescent-like colour, soft light in 2200K-2700K.
- Energy-saving, long life.
- Warm soft light in the same bulb shapes and sizes as incandescent fixtures.
- Mercury-free, in compliance with RoHS material restriction requirements.
- Applications: ideal for general ambient lighting in offices, conference rooms, restaurants, coffee shops, super markets, hotels and homes.



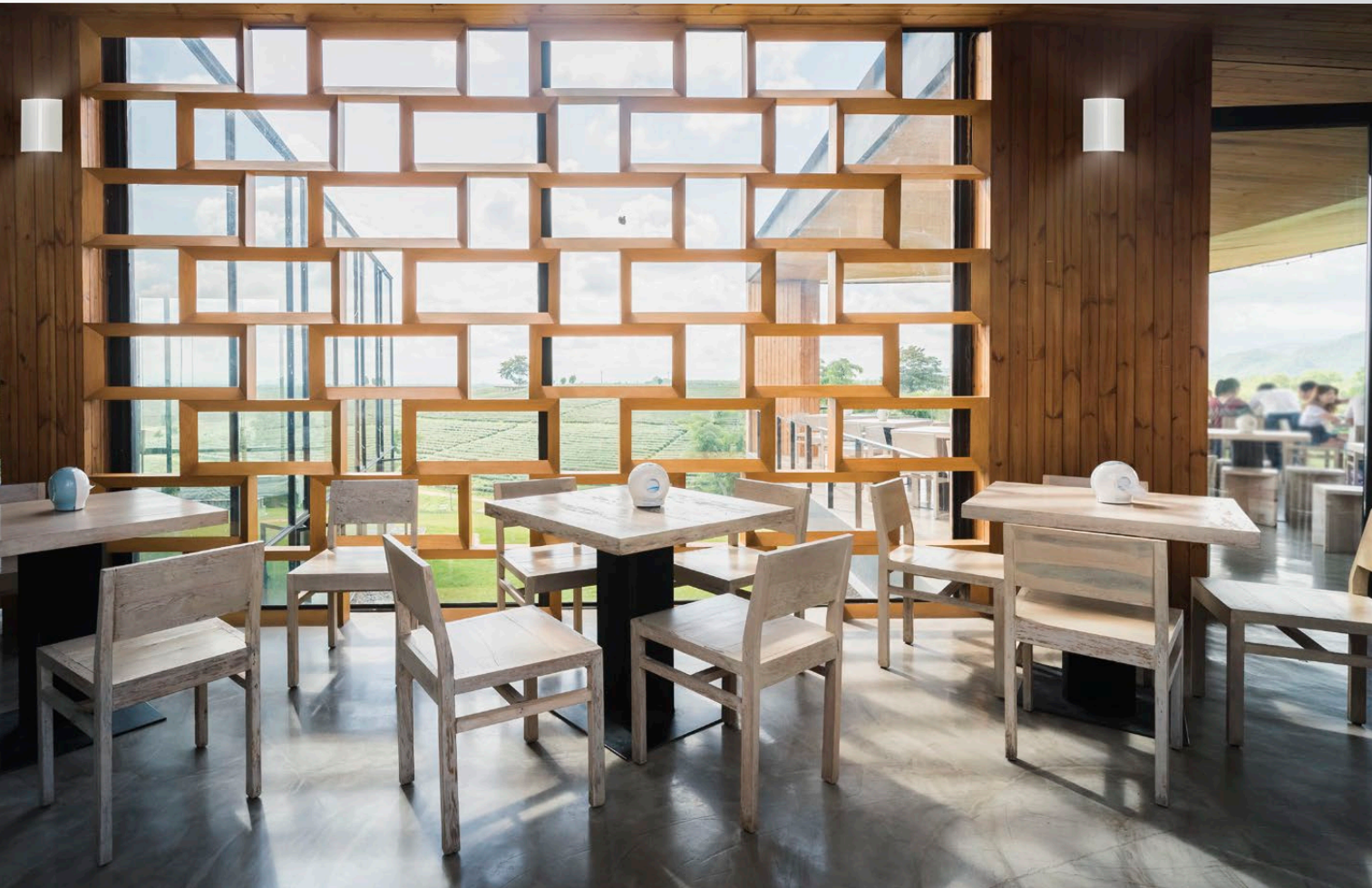
Ines

Simple and elegant: Ines offers a great degree of flexibility. Its sophisticated design and outstanding performance create amazing lighting effects for any architectural design.

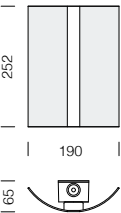
Housing: in aluminium complete with 2 LED sources with lens.

Shield: front shield in die-cast aluminium with matt white coating and non-transparent polycarbonate diffuser.

LED: luminous flux maintenance 70%: 30.000h (L70B50).



IP20 IK07 





3000K



CRI
>80

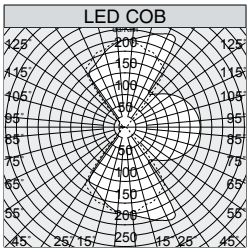


30.000h
L70B50



Ines

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
LED	white	0,80	22085010-00	14	3000 K - 674 lm - CRI>80





Square

Housing: in die-cast aluminium.

Diffuser: in extra-clear tempered glass, 4 mm thick, thermal shock and impact resistant.

Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

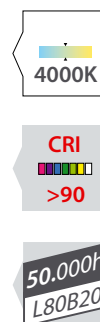
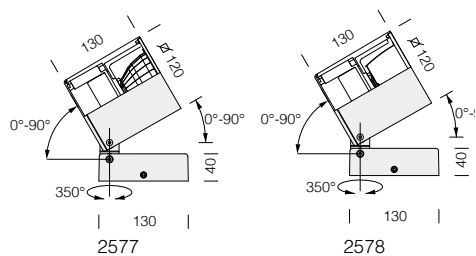
Upon request: coating compliant with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

Standard supply: supplied with plate for wall installation and cable with with IP68 airtight connector for mains connection.

LED: luminous flux maintenance 80%; 50.000h (L80B20). Power factor ≥ 0.92

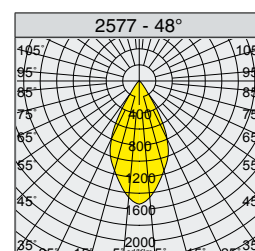


IP66IK08



2577 Square - with reflector

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm 1050mA - CRI - degrees
		weight	code		
COB	white	2.50	431864-00	40	4000K - 3021 lm - CRI>90 - 13°
	graphite		431865-00		
COB	white	2.50	431862-00	40	4000K - 3116 lm - CRI>90 - 28°
	graphite		431863-00		
COB	white	2.50	431860-00	40	4000K - 3111 lm - CRI>90 - 48°
	graphite		431861-00		





Stilo

Housing: in treated aluminium.

Upon request: in other colours.

LED: luminous flux maintenance 80%: 50.000h (L80B20).



IP40 IK07





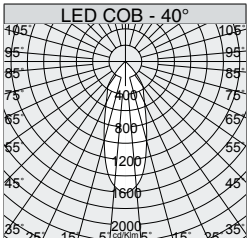
3000K

CRI >90

80.000h
L80B20

Stilo SP2 - suspension

		CLD			LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	white	0,80	22041811-00	10	3000 K - 893 lm - CRI>90 - 40°
	black		22041831-00		
	chrome		22041861-00		
		CLD-D (IGBT)			
COB	white	0,80	22041810-00	10	3000 K - 893 lm - CRI>90 - 40°
	black		22041830-00		
	chrome		22041860-00		





Trimless A

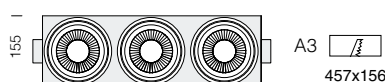
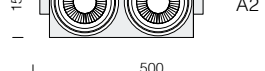
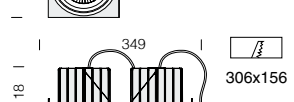
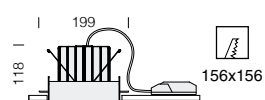
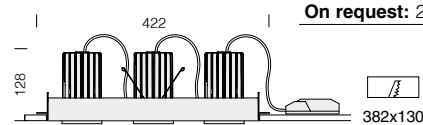
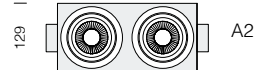
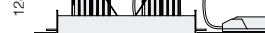
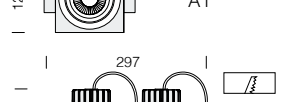
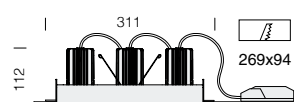
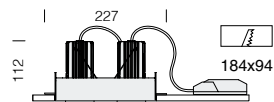
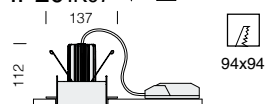
Housing: in die-cast aluminium with adjustable and tilting spotlights.

Equipment: equipped with galvanised steel support brackets which guarantee perfect attachment to suspended ceiling from 12 mm to 25 mm thick.

Reflector: high-efficiency metallised polycarbonate.

LED: luminous flux maintenance 80%: 50.000h (L80B20).
Power factor >0.95

IP20 IK07



Trimless 50 - A1

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	black	0,90	22105130-00	10	3000 K - 556 lm - CRI>90 - 15°
			22105131-00		4000 K - 597 lm - CRI>90 - 15°

On request: 25° and 40° version. DIMM-DALI version with sub-code -1241.

Trimless 50 - A2

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	black	1,30	22105232-00	20	3000 K - 2x556 lm - CRI>90 - 25°
			22105233-00		4000 K - 2x597 lm - CRI>90 - 25°

On request: 15° and 40° version. DIMM-DALI version with sub-code -1241.

Trimless 50 - A3

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	black	2,30	22105334-00	30	3000 K - 3x556 lm - CRI>90 - 40°
			22105335-00		4000 K - 3x597 lm - CRI>90 - 40°

On request: 15° and 25° version. DIMM-DALI version with sub-code -1241.

Trimless 70 - A1

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	black	1,00	22107130-00	25	3000 K - 2376 lm - CRI>90 - 21°
			22107131-00		4000 K - 2448 lm - CRI>90 - 21°

On request: 28° and 40° version. DIMM-DALI version with sub-code -1241.

Trimless 70 - A2

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	black	1,70	22107232-00	50	3000 K - 2x2376 lm - CRI>90 - 28°
			22107233-00		4000 K - 2x2448 lm - CRI>90 - 28°

On request: 21° and 40° version. DIMM-DALI version with sub-code -1241.

Trimless 70 - A3

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	black	2,80	22107334-00	75	3000 K - 3x2103 lm - CRI>90 - 40°
			22107335-00		4000 K - 3x2262 lm - CRI>90 - 40°

On request: 21° and 28° version. DIMM-DALI version with sub-code -1241.

Trimless 111 - A1

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	black	1,20	22111130-00	38	3000 K - 3398 lm - CRI>90 - 15°
			22111131-00		4000 K - 3654 lm - CRI>90 - 15°

On request: 25° and 38° version. DIMM-DALI version with sub-code -1241.

Trimless 111 - A2

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	black	2,40	22111232-00	76	3000 K - 2x3332 lm - CRI>90 - 25°
			22111233-00		4000 K - 2x3583 lm - CRI>90 - 25°

On request: 15° and 38° version. DIMM-DALI version with sub-code -1241.

Trimless 111 - A3

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
COB	black	3,60	22111334-00	114	3000 K - 3x3287 lm - CRI>90 - 40°
			22111335-00		4000 K - 3x3534 lm - CRI>90 - 40°

On request: 15° and 25° version. DIMM-DALI version with sub-code -1241.

3000K

4000K

CRI

>90

50.000h
L80B20



Trimless B

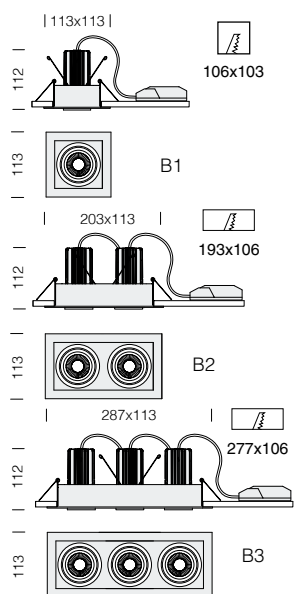
Housing and frame: in die-cast aluminium with adjustable and tilting spotlights.

Equipment: equipped with galvanised steel support brackets which guarantee perfect attachment to suspended ceiling from 12 mm to 25 mm thick.

Reflector: high-efficiency metallised polycarbonate.

LED: luminous flux maintenance 80%: 50.000h (L80B20).
Power factor >0.95

IP20 IK07



Trimless 50 - B1

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	noir	1,20	22105110-00	10	3000 K - 556 lm - CRI>90 - 15°
			22105111-00		4000 K - 597 lm - CRI>90 - 15°

On request: 25° and 40° version. DIMM-DALI version with sub-code -1241.

Trimless 50 - B2

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	noir	2,40	22105212-00	20	3000 K - 2x556 lm - CRI>90 - 25°
			22105213-00		4000 K - 2x597 lm - CRI>90 - 25°

On request: 15° and 40° version. DIMM-DALI version with sub-code -1241.

Trimless 50 - B3

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	noir	3,60	22105314-00	30	3000 K - 3x556 lm - CRI>90 - 40°
			22105315-00		4000 K - 3x597 lm - CRI>90 - 40°

On request: 15° and 25° version. DIMM-DALI version with sub-code -1241.

Trimless 70 - B1

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	noir	1,30	22107110-00	25	3000 K - 2376 lm - CRI>90 - 21°
			22107111-00		4000 K - 2448 lm - CRI>90 - 21°

On request: 28° and 40° version. DIMM-DALI version with sub-code -1241.

Trimless 70 - B2

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	noir	2,60	22107212-00	50	3000 K - 2x2376 lm - CRI>90 - 28°
			22107213-00		4000 K - 2x2448 lm - CRI>90 - 28°

On request: 21° and 40° version. DIMM-DALI version with sub-code -1241.

Trimless 70 - B3

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	noir	3,80	22107314-00	75	3000 K - 3x2376 lm - CRI>90 - 40°
			22107315-00		4000 K - 3x2448 lm - CRI>90 - 40°

On request: 21° and 28° version. DIMM-DALI version with sub-code -1241.

Trimless 111 - B1

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	noir	1,50	22111110-00	38	3000 K - 3398 lm - CRI>90 - 15°
			22111111-00		4000 K - 3654 lm - CRI>90 - 15°

On request: 25° and 38° version. DIMM-DALI version with sub-code -1241.

Trimless 111 - B2

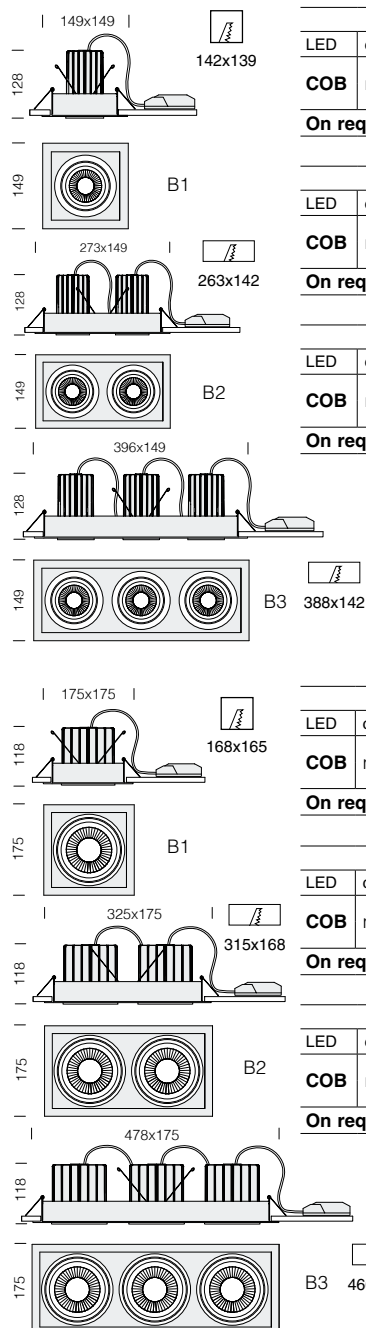
LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	noir	2,80	22111212-00	76	3000 K - 2x3332 lm - CRI>90 - 25°
			22111213-00		4000 K - 2x3583 lm - CRI>90 - 25°

On request: 15° and 38° version. DIMM-DALI version with sub-code -1241.

Trimless 111 - B3

LED	colour	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code		K - ølm - CRI - degrees
COB	noir	4,00	22111314-00	114	3000 K - 3x3287 lm - CRI>90 - 40°
			22111315-00		4000 K - 3x3534 lm - CRI>90 - 40°

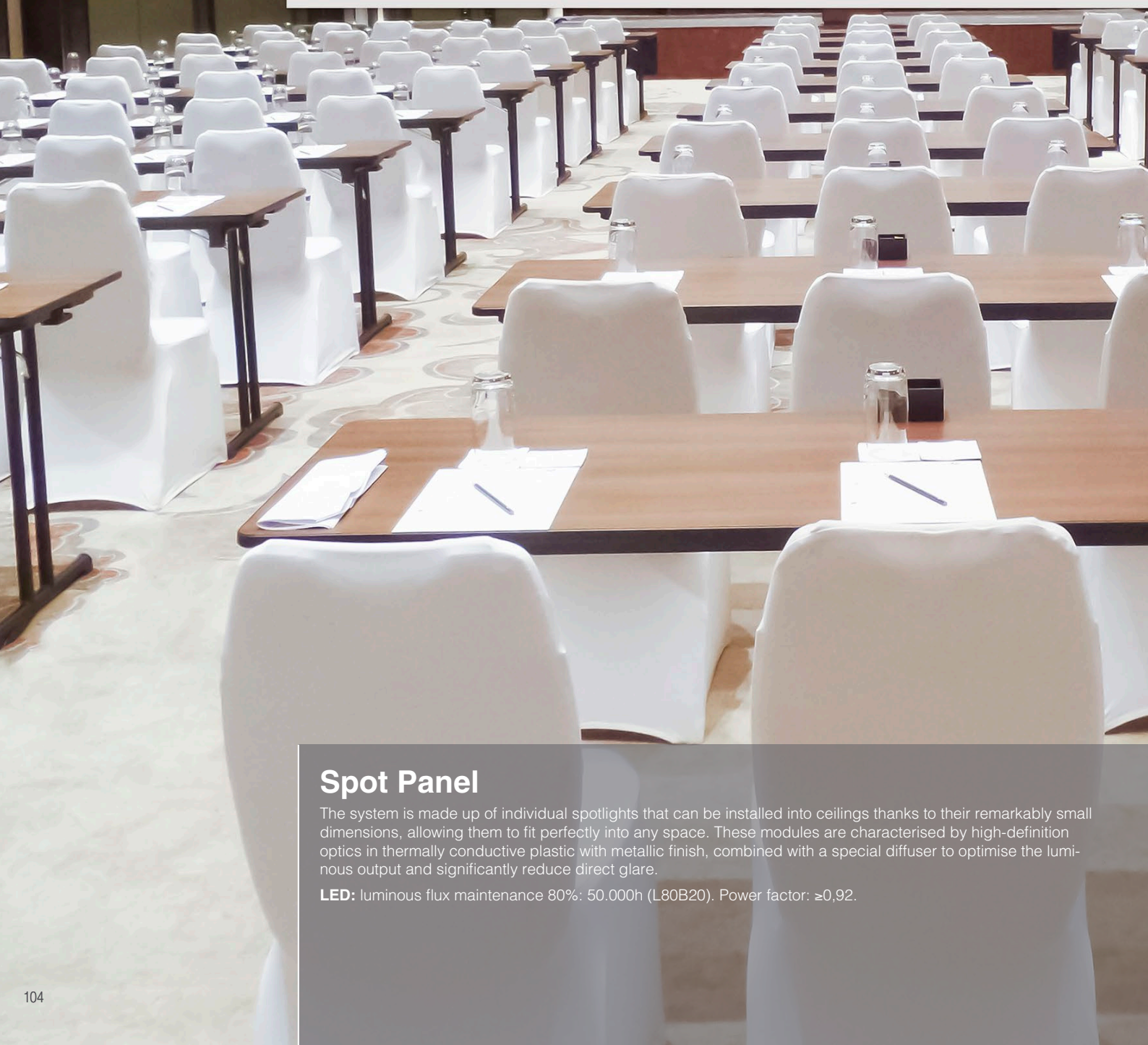
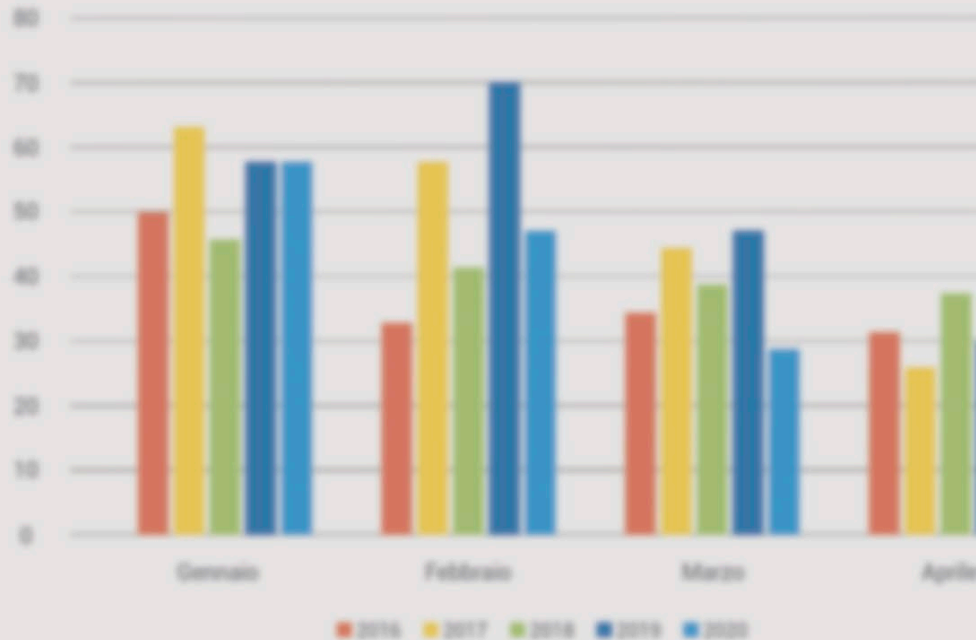
On request: 15° and 25° version. DIMM-DALI version with sub-code -1241.



3000K

4000K

CRI
>9050.000h
L80B20



Spot Panel

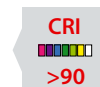
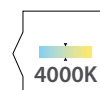
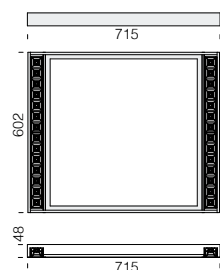
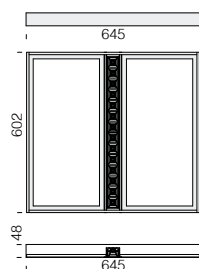
The system is made up of individual spotlights that can be installed into ceilings thanks to their remarkably small dimensions, allowing them to fit perfectly into any space. These modules are characterised by high-definition optics in thermally conductive plastic with metallic finish, combined with a special diffuser to optimise the luminous output and significantly reduce direct glare.

LED: luminous flux maintenance 80%: 50.000h (L80B20). Power factor: $\geq 0,92$.

Spot panel



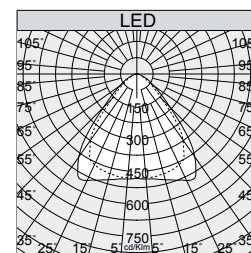
IP40 IK07 ▼



Spot panel 1 - ceiling - UGR<19

		CLD (ON-OFF)		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
14 modules	white	7,10	22530101-00	51	4000K - 4823 lm - CRI>90
			22530101-39		3000K - 4485 lm - CRI>90
		CLD D-DIG (DALI)			
14 modules	white	7,10	22530101-1241	51	4000K - 4823 lm - CRI>90
			22530101-3941		3000K - 4485 lm - CRI>90

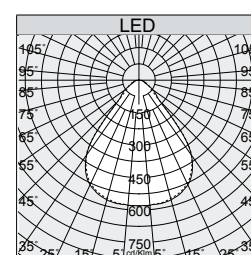
78° comfort module. **On request:** 54° version. Driver inside.
On request: possibility of separate ON/OFF switch.



Spot panel 2 - ceiling - UGR<19

		Spot panel 2 - ceiling - 60x619			
		CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code	W tot	K - ølm - CRI
28 modules	white	8,20	22540101-00	56	4000K - 5846 lm - CRI>90
			22540101-39		3000K - 5436 lm - CRI>90
		CLD D-DIG (DALI)			
28 modules	white	8,20	22540101-1241	56	4000K - 5846 lm - CRI>90
			22540101-3941		3000K - 5436 lm - CRI>90

78° comfort module. **On request:** 54° version. Driver inside.
On request: possibility of separate ON/OFF switch.





Eco Lex

Housing: in die cast aluminium.

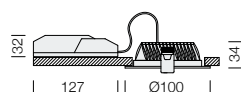
LED: luminous flux maintenance 80%: 50.000h (L80B20).
Power factor >0.9

DIP SWITCH SETTING: the fixture comes with a *DIP SWITCH* driver for **THE SETTING OF THE OUTPUT CURRENT**. In this way you, can **ENSURE THE BEST LUMINOUS FLUX** for any lighting design. The possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions. Using a lower current will improve the efficiency of fixtures and therefore increase Eco Lex savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.

Info: www.fosnova.it

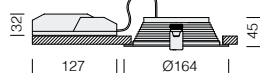


v.a. IP20 IK07
v.l. IP44 IK07



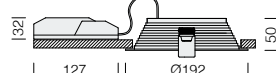
Eco Lex

min Ø 90
max Ø 96



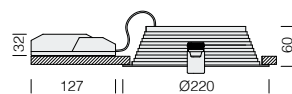
Eco Lex 1

min Ø 142
max Ø 162



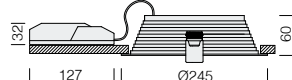
Eco Lex 2

min Ø 170
max Ø 190



Eco Lex 3

min Ø 198
max Ø 216



Eco Lex 4 - 6

min Ø 220
max Ø 240

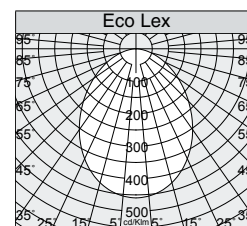


4000K

3000K

CRI
>90

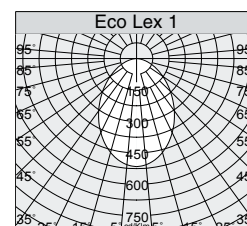
50,000h
L80B20



Eco Lex

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ø lm - CRI
LED	white	0,30	22172904-00	11	4000 K - 1088 lm - CRI>90
			22172903-00		3000 K - 1033 lm - CRI>90

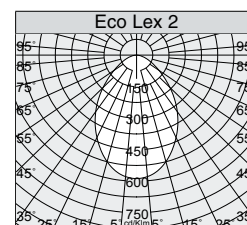
On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.



Eco Lex 1

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ø lm - CRI
LED	white	0,35	22172914-00	11	4000 K - 1041 lm - CRI>90
			22172918-00		3000 K - 980 lm - CRI>90

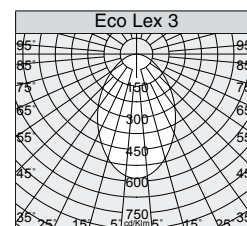
On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.



Eco Lex 2

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ø lm - CRI
LED	white	0,50	22172915-00	14	4000 K - 1380 lm - CRI>90
			22172919-00		3000 K - 1303 lm - CRI>90

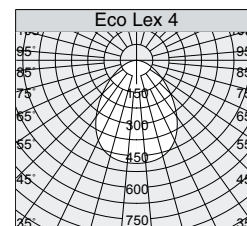
On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.



Eco Lex 3

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ø lm - CRI
LED	white	0,75	22172916-00	21	4000 K - 2190 lm - CRI>90
			22172906-00		3000 K - 2070 lm - CRI>90

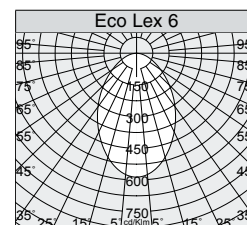
On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.



Eco Lex 4

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ø lm - CRI
LED	white	1,00	22172917-00	32	4000 K - 3320 lm - CRI>90
			22172907-00		3000 K - 3135 lm - CRI>90

On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.



Eco Lex 6

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ø lm - CRI
LED	white	1,00	22174901-00	21	4000 K - 2036 lm - CRI>90
			22174902-00		3000 K - 1893 lm - CRI>90

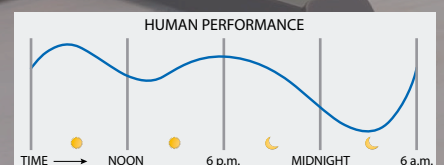
On request: DIMM-DALI version with sub-code -1241 and EM 1h with sub-code -09.



The Dynamic White function allows adjusting the colour temperature from 2700K to 6500K to create a sense of the passing of time (circadian rhythm) and to set the mood and ambiance of a space according to our daily activities.

Circadian lighting obtained with the Dynamic White function is the best solution to implement Human Centric Lighting in classrooms, university campuses, offices and hospitals where lights can mimic the natural trend of daylight throughout the entire day.

Info: www.fosnova.it



The effects of the circadian rhythm disruption on health

A systematic disruption of our biological clock has negative effects on our health. Numerous studies have shown that the disruption of our sleep-wake cycle provokes fatigue and sleeping disorders. It negatively affects our mood and psychological wellbeing, and may cause anxiety or depression, as well as gastrointestinal discomfort. Moreover, if prolonged over time, it can increase the risk of cardiovascular diseases (strokes and heart attacks) and metabolic dysfunctions (such as obesity and diabetes). Lastly, it can weaken the immune system favouring the outburst of some cancers.

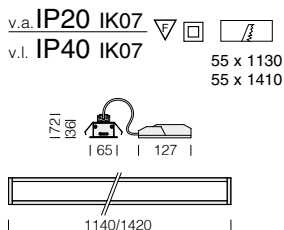
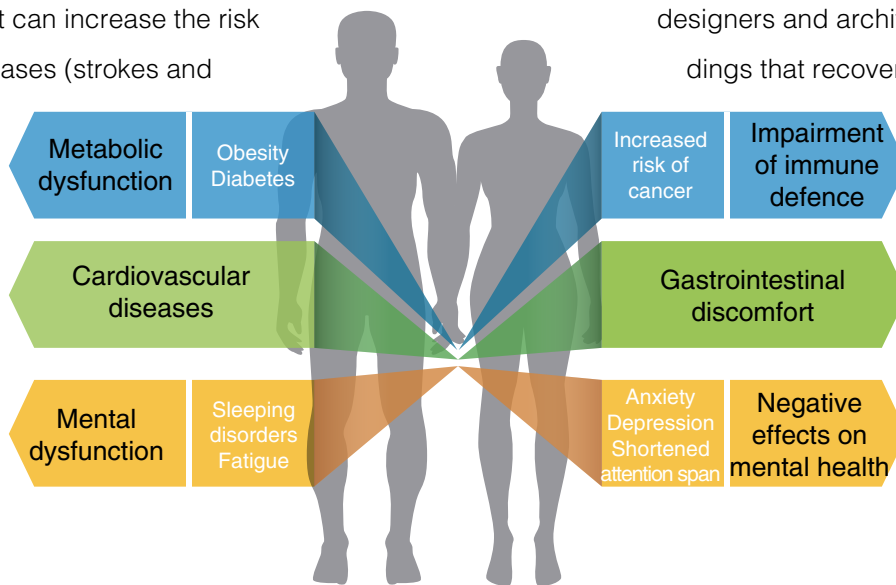
According to research, it is important that our body receives signals like daylight and its variation throughout the day.

Yet, we spend most of our time, whether at work or at home, in closed and artificially illuminated spaces.

So what can we do?

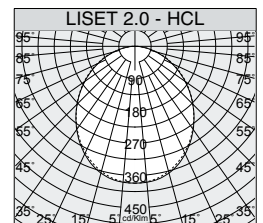
We can get a greater amount of daylight inside. This is why designers and architects are making buildings that recover as much as possible

the relationship with the outside world. And a great help is given by the technological evolution of artificial lighting, including Human Centric Lighting.

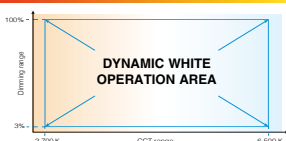


Liset 2.0 HCL - recessed - with polycarbonate diffuser

LED	housing	CLD D-DIG (DALI)			LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code	W tot	K - ølm - CRI
LED 4 modules	white	1140	1,70	22302201-89	38	2700K÷6500K - 3250÷3220lm - CRI>90
LED 5 modules		1420	2,00	22302202-89	46	2700K÷6500K - 2984÷3176lm - CRI>90

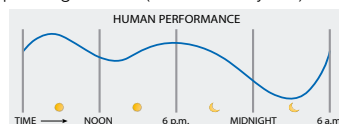


TECHNICAL CHARACTERISTICS - HCL WIRELESS VERSION



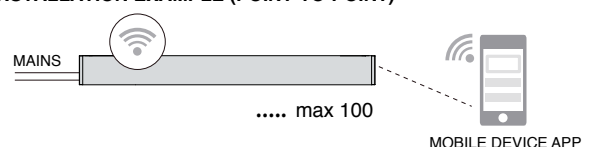
- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- Full 3% to 100% dimming range
- Switch-off fading
- <4% flicker
- Constant colour temperature over the entire dimming range
- LED driver that automatically adjusts lights to the desired colour temperature and the required luminous flux

The Dynamic White function allows adjusting the colour temperature from 2700K to 6500K to create a sense of the passing of time (circadian rhythm) and to set the mood and ambiance of a space according to our daily activities.



HCL WIRELESS INSTALLATION EXAMPLE (POINT-TO-POINT)

The standard version of the fixture comes with a wireless driver. Liset 2.0 can be easily controlled from a smartphone/tablet via a **free app**.





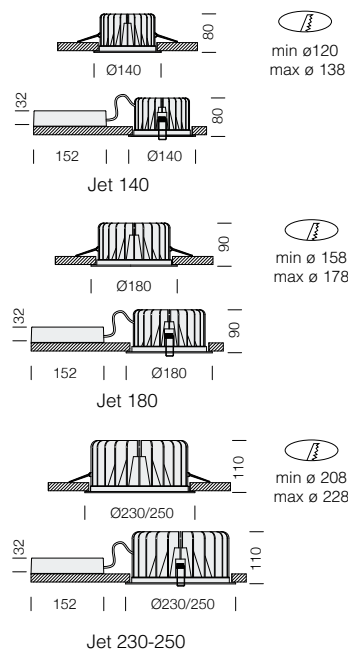
Jet IP65

Housing: fixed downlight in die cast aluminium complete with spring clips for recessed mounting

Reflector: dark light optics in high gloss, anti-glare aluminium to optimise light efficiency. Version with matt wide beam optics on request.

LED: High Energy Saving. Luminous flux maintenance 80%: 50.000h (L80B20). Power factor >0.9

IP65 IK04



Jet 140



Jet 180



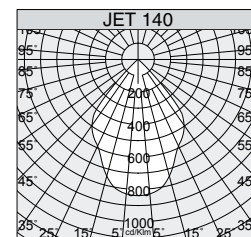
Jet 230-250



Version with matt wide beam optics on request.

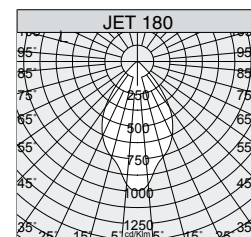
Jet 140

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
COB	white	0,90	22065612-39	23	3000 K - 1797 lm - CRI>90
			22065612-00		4000 K - 1892 lm - CRI>90
		CLD D-DIG (DALI)			
COB	white	0,90	22065612-3941	23	3000 K - 1797 lm - CRI>90
			22065612-1241		4000 K - 1892 lm - CRI>90



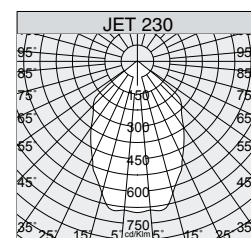
Jet 180

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
COB	white	1,45	22065613-39	32	3000 K - 3251 lm - CRI>90
			22065613-00		4000 K - 3423 lm - CRI>90
		CLD D-DIG (DALI)			
COB	white	1,45	22065613-3941	32	3000 K - 3251 lm - CRI>90
			22065613-1241		4000 K - 3423 lm - CRI>90



Jet 230

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
COB	white	2,20	22065616-39	45	3000 K - 5304 lm - CRI>90
			22065616-00		4000 K - 5584 lm - CRI>90
		CLD D-DIG (DALI)			
COB	white	2,20	22065616-3941	45	3000 K - 5304 lm - CRI>90
			22065616-1241		4000 K - 5584 lm - CRI>90



Jet 250

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
COB	white	2,25	22065618-39	45	3000 K - 5304 lm - CRI>90
			22065618-00		4000 K - 5584 lm - CRI>90
		CLD D-DIG (DALI)			
COB	white	2,25	22065618-3941	45	3000 K - 5304 lm - CRI>90
			22065618-1241		4000 K - 5584 lm - CRI>90



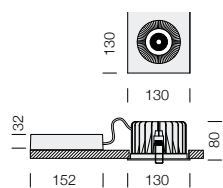
Jet IP65

Housing: fixed downlight in die cast aluminium complete with spring clips for recessed mounting

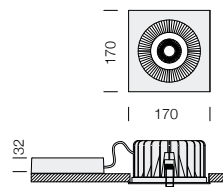
Reflector: dark light optics in high gloss, anti-glare aluminium to optimise light efficiency. Version with matt wide beam optics on request.

LED: High Energy Saving.
Luminous flux maintenance 80%: 50.000h (L80B20).
Power factor >0.9

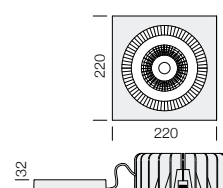
IP65 IK04



Jet Q 130



Jet Q 170



Jet Q 220

min ø120
max ø128

min ø158
max ø168

min ø208
max ø218



Jet Q 130



Jet Q 170



Jet Q 250

3000K

4000K

CRI
80

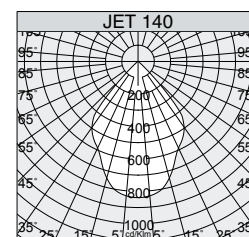
50.000h
L80B20

Version with matt wide beam optics on request.



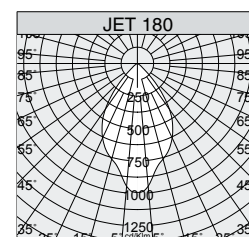
Jet Q 130

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - lm - CRI
COB	white	0,90	22065712-39	23	3000 K - 1797 lm - CRI-90
			22065712-00		4000 K - 1892 lm - CRI-90
		CLD D-DIG (DALI)			
COB	white	0,90	22065712-3941	23	3000 K - 1797 lm - CRI-90
			22065712-1241		4000 K - 1892 lm - CRI-90



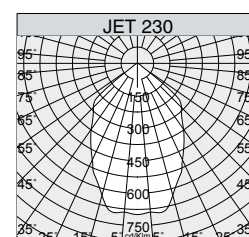
Jet Q 170

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
COB	white	1,45	22065713-39	32	3000 K - 3251 lm - CRI>90
			22065713-00		4000 K - 3423 lm - CRI>90
		CLD D-DIG (DALI)			
COB	white	1,45	22065713-3941	32	3000 K - 3251 lm - CRI>90
			22065713-1241		4000 K - 3423 lm - CRI>90



Jet Q 220

		CLD		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
COB	white	2,20	22065716-39	45	3000 K - 5304 lm - CRI>90
			22065716-00		4000 K - 5584 lm - CRI>90
		CLD D-DIG (DALI)			
COB	white	2,20	22065716-3941	45	3000 K - 5304 lm - CRI>90
			22065716-1241		4000 K - 5584 lm - CRI>90



☆☆☆☆
Hotel
☆☆☆☆☆

Technical areas





Forma pag. **124**

Tortuga pag. **126**

Pastilla pag. **128**

Globo 2.0 pag. **130**



Forma

Housing: made of pressed steel, drawn in a single piece for high mechanical resistance. Supplied with frame.

Coating: polyester powder for better resistance to corrosion and saline environment.

Standard supply: silicone rubber gasket and nylon fibreglass cable gland.

On request: emergency unit.

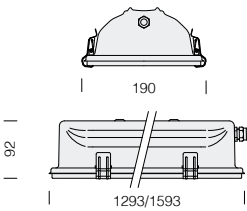
LED: power factor: $\geq 0,9$. Luminous flux maintenance 80%: 50.000h (L80B20).

Photobiological safety class: exempt group.

Allowable ambient temperature : -25°C to + 40°C.

We recommend using this version for applications with direct exposure to sunlight.

IP65IK08



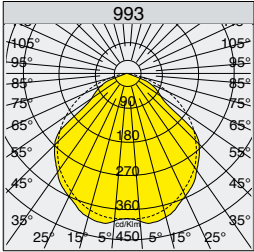
4000K

CRI >80

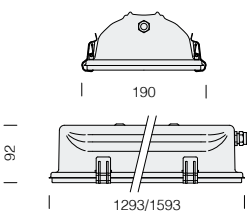
50.000h
L80B20

993 Forma - with transparent glass

		CLD				LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	L	code	W tot	K - ølm - CRI
LED	s. silver	7.20	1293	162457-00	36	4000 K - 4688 lm - CRI>80
				162447-00	50	4000 K - 6000 lm - CRI>80
LED	s. silver	9.00	1593	162448-00	61	4000 K - 8082 lm - CRI>80
				162458-00	71	4000 K - 9264 lm - CRI>80
		CLD-E				
LED	s. silver	7.20	1293	162457-07	36	4000 K - 4688 lm - CRI>80
				162447-07	50	4000 K - 6000 lm - CRI>80
LED	s. silver	9.00	1593	162448-07	61	4000 K - 8082 lm - CRI>80
				162458-07	71	4000 K - 9264 lm - CRI>80



IP65IK08



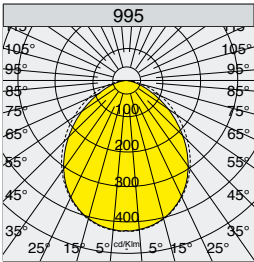
4000K

CRI >80

50.000h
L80B20

995 Forma - with etched glass

LED	colour	CLD			LUMEN OUTPUT (tq= 25 °C)	
		weight	L	code	W tot	K - ølm - CRI
LED	s. silver	7.20	1293	162455-00	36	4000 K - 4378 lm - CRI>80
				162445-00	50	4000 K - 5635 lm - CRI>80
LED	s. silver	9.00	1593	162446-00	61	4000 K - 7547 lm - CRI>80
				162456-00	71	4000 K - 8650 lm - CRI>80



Tortuga

Round-shape LED fixture with opal polycarbonate diffuser that can be easily installed to the ceiling/wall; ideal for entrance areas, corridors, stairways, waiting rooms, hotels, restaurants and residential spaces. Available in two sizes ($\varnothing 305/400$ mm) and in the standard 3000K/4000K version and in the 3h emergency version with light-presence sensor (ON-OFF).

Tortuga is the energy-efficient and modern alternative to luminaires with traditional light sources.

Housing: vandal-resistant, self-extinguishing polycarbonate.

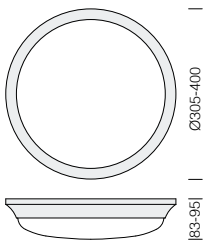
Diffuser: In clear polycarbonate, anti-dazzle, vandal resistant.

LED: Luminous flux maintenance 70% 30.000h (L70B50).
Power factor >0.9.

Tortuga IP54



IP54 IK07



3000K

4000K

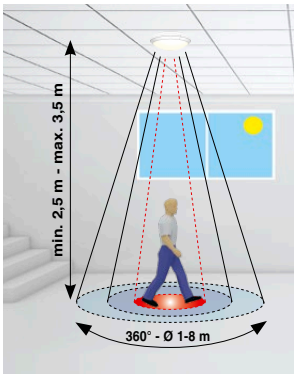
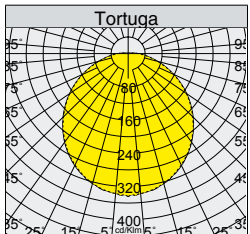
CRI >80

30.000h
L70B50

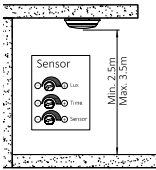


Tortuga

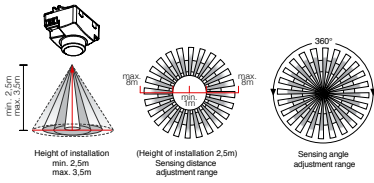
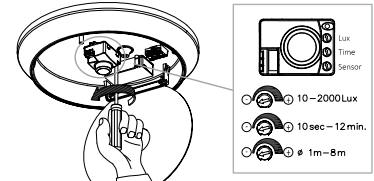
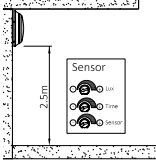
		CLD				LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	Ø mm	code	W tot	K - ø lm - CRI	
LED	white	1.00	Ø305	22042410-00	17	3000 K - 1368 lm - CRI>80	
				22042411-00		4000 K - 1488 lm - CRI>80	
LED	white	1.15	Ø400	22042412-00	28	3000 K - 2403 lm - CRI>80	
				22042413-00		4000 K - 2614 lm - CRI>80	
		CLD-E - Emergency SA					
LED	white	1.00	Ø305	22042410-09	18	3000 K - 1368 lm - CRI>80	
				22042411-09		4000 K - 1488 lm - CRI>80	
LED	white	1.15	Ø400	22042412-09	30	3000 K - 2403 lm - CRI>80	
				22042413-09		4000 K - 2614 lm - CRI>80	
		CLD-EC					
LED	white	1.00	Ø305	22042410-0050	18	3000 K - 1368 lm - CRI>80	
				22042411-0050		4000 K - 1488 lm - CRI>80	
LED	white	1.15	Ø400	22042412-0050	30	3000 K - 2403 lm - CRI>80	
				22042413-0050		4000 K - 2614 lm - CRI>80	
		CLD with light / presence sensor (ON-OFF)					
LED	white	1.00	Ø305	22042410-19	17	3000 K - 1368 lm - CRI>80	
				22042411-19		4000 K - 1488 lm - CRI>80	
LED	white	1.15	Ø400	22042412-19	28	3000 K - 2403 lm - CRI>80	
				22042413-19		4000 K - 2614 lm - CRI>80	



Ceiling installation.



Wall installation.



SENSOR - TECHNICAL SPECIFICATIONS

Detection area	360°
Detection distance	Ø 1-8 m (regolabile)
Installing height	min. 2,5 - max. 3,5 m
Hold time	10 sec - 12 min
Ambient light	10 ~ 2000 Lux
Power consumption	~ 0,9 W
High frequency (HF system)	5,8 GHz
Operating temperature	-15°C ÷ 70°C



Pastilla

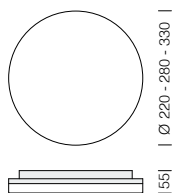
Pastilla is a high-efficiency LED fixture, an ideal upgrade solution to traditional lamps. Its simple yet modern design, along with the supplied bracket, ensures quick installation into different spaces, including corridors, stairways, bathrooms, entrance halls or public areas. It is available in three diameter sizes (ø220/280/330 mm) and in the standard 3000K/4000K version, or with light-presence detectors (ON-OFF) on request.

Housing: vandal-resistant, self-extinguishing polycarbonate.

Diffuser: In clear polycarbonate, anti-dazzle, vandal resistant.

LED: Luminous flux maintenance 80% 30.000h (L80B20).
Power factor >0.9.

IP65 IK07



3000K

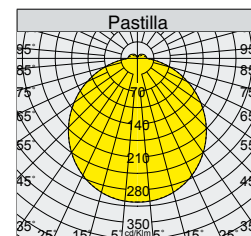
4000K

CRI 80

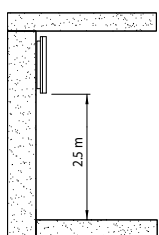
30.000h L70B50

Pastilla

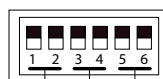
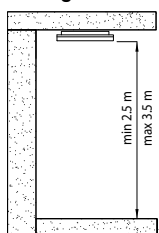
		CLD				LUMEN OUTPUT (tq= 25 °C)	
LED	colour	poids	Ø mm	code	W tot	K - ø lm - CRI	
LED	white	0.60	Ø 220	22042510-00	15	3000K - 1328 lm - CRI 80	
				22042511-00		4000K - 1444 lm - CRI 80	
LED	white	0.80	Ø 280	22042512-00	18	3000K - 1651 lm - CRI 80	
				22042513-00		4000K - 1796 lm - CRI 80	
LED	white	1.00	Ø 330	22042514-00	24	3000K - 2273 lm - CRI 80	
				22042515-00		4000K - 2473 lm - CRI 80	
		CLD-EC					
LED	white	0.60	Ø 220	22042510-0050	15	3000K - 1328 lm - CRI 80	
				22042511-0050		4000K - 1444 lm - CRI 80	
LED	white	0.80	Ø 280	22042512-0050	18	3000K - 1651 lm - CRI 80	
				22042513-0050		4000K - 1796 lm - CRI 80	
LED	white	1.00	Ø 330	22042514-0050	24	3000K - 2273 lm - CRI 80	
				22042515-0050		4000K - 2473 lm - CRI 80	
		CLD - Radar Sensor					
LED	white	0.80	Ø 280	22042512-19	18	3000K - 1651 lm - CRI 80	
				22042513-19		4000K - 1796 lm - CRI 80	
LED	white	1.00	Ø 330	22042514-19	24	3000K - 2273 lm - CRI 80	
				22042515-19		4000K - 2473 lm - CRI 80	



Wall installation.



Ceiling installation.



● switch UP
○ switch DOWN

● 100%
○ 75%
○ 50%
○ 25%

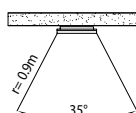
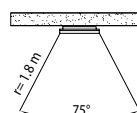
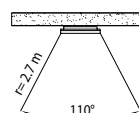
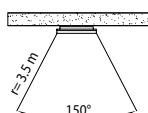
● 5sec
○ 90sec
○ 5min
○ 15min

● Disable
○ 2lux
○ 10lux
○ 50lux

DETECTION AREA: is the area scanned by the sensor. It can be adjusted for specific applications by combining DIP switches.

HOLD-TIME: is the period of time the light will stay ON after the sensor has been triggered.

DAYLIGHT THRESHOLD: Daylight sensor takes priority over the motion sensor. Set threshold according to specific needs. Disable it to allow motion detection only.



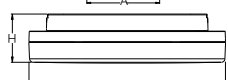
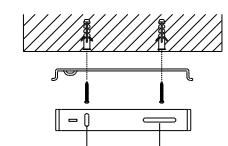
SETTING 1 ●● 100%

SETTING 2 ●○ 75%

SETTING 3 ○● 50%

SETTING 4 ○○ 25%

Equipment: supplied with bracket for ceiling/wall installation.



D	H	A
220 mm	55 mm	76±14 mm
280 mm	55 mm	80±14 mm
330 mm	55 mm	90±20 mm

Examples of possible detection area setups (150°-110°-75°-35°) and related detection distances (r=3.5m-2.7m-1.8m-0.9m)

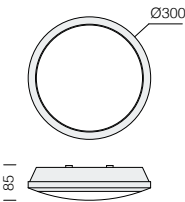
Globo 2.0

Housing: vandal resistant, self-extinguishing, UV-stabilised anti-yellowing polycarbonate and external finishing ring in ABS.

Diffuser: vandal resistant, self-extinguishing, UV-stabilised anti-glare polycarbonate; dustproof.

LED: power factor: $\geq 0,9$
Luminous flux maintenance 80%: 50.000h (L80B20)

IP65 IK08



Upon request: versions available in different colours and surface finishes to coordinate with any architectural design.



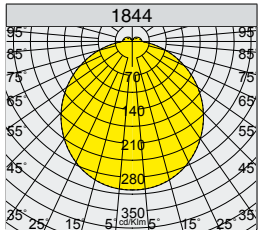
CORTEN RAL 8015 GREY RAL 8015 SILVER RAL 9006

1844 Globo 2.0

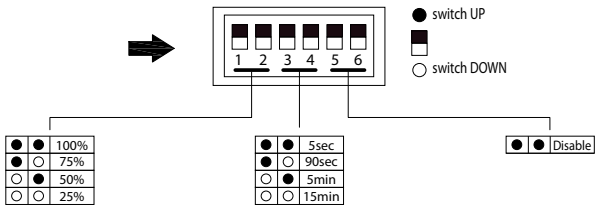
		CLD			LUMEN OUTPUT (tq= 25 °C)
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	white	0.90	427249-00	14	4000 K - 2100 lm - CRI 83
			427249-39		3000 K - 1943 lm - CRI 83
		CLD radar sensor			
LED	white	0.90	427249-19	14	4000 K - 2100 lm - CRI 83
Sur demande : avec majoration du prix disponible version EM (sous-code -07) .					

Sur demande : avec majoration du prix disponible version EM (sous-code -07).

Built-in RADAR SENSOR (sub-code -19): is an automatic sensor that immediately sense the presence of people's movements and anyone walking past. When there is movement within the sensor's detection range, the light will remain ON. When no further movement is detected, the light will switch OFF after a pre-set time.



Upon request: versions available in different colours and surface finishes to coordinate with any architectural design.



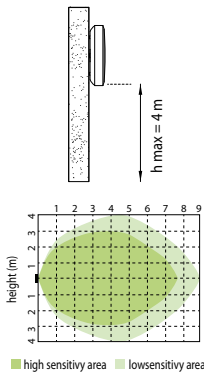
DETECTION AREA: is the area scanned by the sensor. It can be adjusted for specific applications by combining DIP switches.

HOLD-TIME: is the period of time the light will stay ON after the sensor has been triggered.

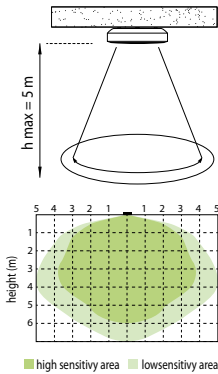
DAYLIGHT THRESHOLD: Disable, motion detection only.



Wall installation.



Ceiling installation.



Factory settings: Detection distance: 8m - Hold time: 5sec			
Power	220-240V AC 50/60 Hz	Mounting height	wall: 4m ceiling: 5 m
Frequency	5,8GHz CW Radar, ISM band - 0,2 - <10 mW	Nominal load	800 W (resistive) 400 W (inductive)
Detection area	ceiling: 30°-150°	Energy consumption	<0,5 W
Detection distance (adjustable)	ceiling: Ø 1-8 m	Hold Time (adjustable)	5s, 90s, 5min., 15min.



disano 
illuminazione

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