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AUTO-DIMMER	




CONTROL UNITS AND CONNECTION MODULES

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Sanifica ^{Aria} Beghelli - HYBRID LUMINAIRES WITH INTEGRATED AIR SANITIZER

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INDUSTRIAL HIGH BAY LIGHTS

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RD**RD - ADJUSTABLE**

Luminaires equipped with **Adjustable Driver** with luminous flux modulation by means of an integrated 4-step switch.

This variable power supply system ensures the right lighting **and maximum energy savings.**

ADJUSTABLE

ED**ED - STANDARD**

Luminaires equipped with a 0÷10V **standard**

LED Driver with fixed light or **dimmable.**

ON / OFF

DALI**DALI**

Luminaires with **DALI** communication protocol

DALI

**I 418**

IP54-IP20

SD DALI

P. 032

SYSTEMS - CEILING AND SUSPENDED MOUNTING**Rail System Iron**

IP40

SD ED

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**Lens Fila**

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IP66

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IP66

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STREET LIGHTING**Strada**

IP66

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IP66

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Exclusive Beghelli proposals

lighting



BEGHELLI NUBE CLOUD, THE RIGHT PLACE FOR YOUR SYSTEMS

NuBe is the unique WEB platform to **access and manage all Beghelli systems in the cloud**. Available to all Beghelli system installers and users, it allows you to manage and control **both normal lighting and emergency lighting**.

Among the many services offered, it will be possible to activate predictive maintenance, a function able to anticipate the user's maintenance interventions on the system to prevent malfunctions. It will also be possible to activate pre-programmed lighting scenarios, to switch on, switch off and dim groups of luminaires.



SD-X EXPANDABLE WITH AUTO-DIMMER

Luminaires equipped with the SD-X Smart Driver are set up for Autonomous operation. They can be connected to the SD LGFM Beghelli Control Unit by integrating the **optional Radio Module**. This version integrates 3 connectors: the first one is already connected to the Light Sensor of the Smart Dimmer for the **Auto-dimmer function**, the second is dedicated to the **PLUG&LIGHT emergency inverter**, and the third is reserved for one of the various optional communication modules, such as the Radio Module for connection to the Central Unit, the **Dali Module** or the **0÷10V Module** for interfacing with other communication BUS.



SD-RADIO ALSO INTEGRATES RADIO

The SD Radio range does not include any additional modules, but it integrates as standard the **SD Radio Interface**. It is therefore already prepared to activate the connection to the SD Logica LGFM Beghelli Control Unit.

This luminaire range integrates, where applicable, the smart dimmer light sensor.

This device makes the **Auto-dimmer function** always available to modulate the light intensity of each luminaire, calibrated according to the natural light in the room. The auto-dimmer is automatically activated as soon as the luminaire is installed.



The lighting version of the Cloud will be on-line from the second half of 2021



SMART DRIVERS WITH INTEGRATED AUTO-DIMMER

The entire SD range (where applicable) is equipped with an integrated driver and Auto-dimmer already configured in Natural Light mode, therefore able to automatically adjust the light intensity of the luminaire according to the amount of natural light in the environment. The radio link with the SD control unit also allows the user to set the desired dimming intensity as well as the activation of customised lighting scenarios, including automatic activation, with the integration of motion sensors.



**AIR SANITISATION
INTEGRATED IN THE LIGHTING**

Hybrid luminaires for normal lighting with **integrated air sanitizer**. The sanitisation device is based on a closed chamber UV-C flow cell, without ozone emissions.

The system has adjustable speed and operating timing and, thanks to the exclusive **uvOxy®** technology, it eliminates any risk during operation and allows the **continuous sanitisation of rooms in the presence of people**. Performed tests are available online, and they certify a **sanitising efficacy of over 99%** against Coronavirus and bacteria far more aggressive than COVID-19.



**AUTO-DIMMER
NATURAL LIGHT**
30% more energy savings

**SMART LIGHT SENSOR
AUTO-DIMMER NATURAL LIGHT**

Each luminaire equipped with a Smart Driver (SD-x or SD-RADIO), if suitable, integrates the Auto-dimmer smart light sensor that makes it autonomous in modulating the luminous flux. Lighting management is achieved by the **automatic adjustment of the light intensity according to the light already present in the room**.

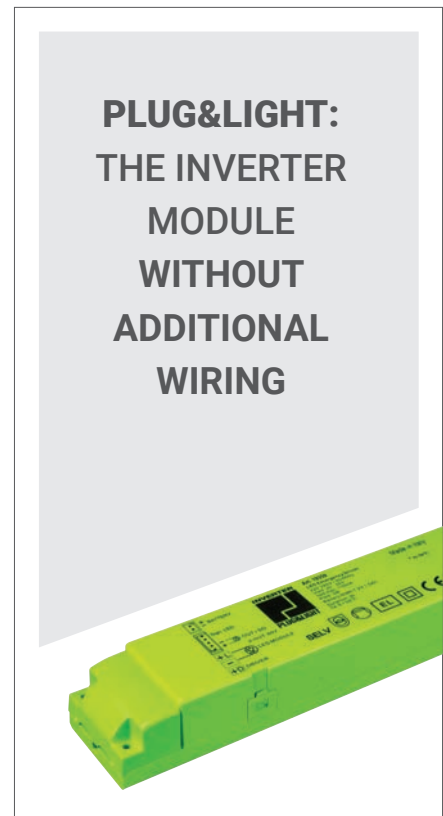
The light sensor can measure the light on the work surface by modulating the power in order not to exceed the required lighting. With this technology, you can achieve **energy savings of up to more than 30%** compared to LED luminaires with fixed luminous intensity.



**QUICK-CONNECT
EMERGENCY INVERTER**

Beghelli has a wide range of high performance LED inverters to **integrate emergency into all normal luminaires**. The **Plug&Light** version has a quick-connection system that allows **it to be installed in all SD-X luminaires without modification to the system**.

A unique connection system that ensures a remarkable speed of installation and, above all, the maintenance of the regulatory compliance characteristics of the luminaire on which it is installed.








Control and communication systems

FROM STANDARD POWER SUPPLY TO CENTRALISED REMOTE CONTROL

Beghelli luminaires are available in different power supply and control modes.

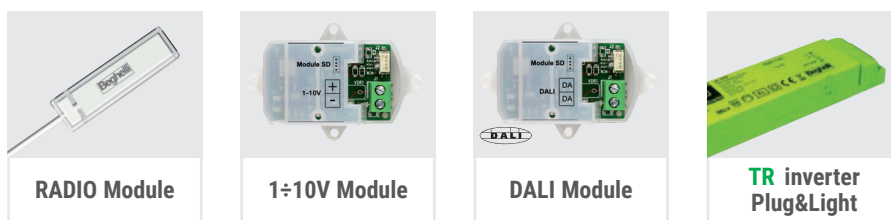
SD-X, the most advanced driver version, also in terms of flexibility, thanks to the integrated auto-dimmer and the connection port with various expansion modules, can connect to the control unit and take on different configurations. **SD-RADIO** are devices equipped with an auto-dimmer and an integrated radio module for connection to the control unit. The **RD** driver allows adjustment on various steps for luminous flux regulation, **TR** is the standard version, while **DALI** are luminaires that can be interfaced with this system.

POWER SUPPLY AND CONTROL SYSTEMS	AUTO-DIMMER	FLUX ADJUSTMENT	CENTRALISED CONTROL	MAX. NUMBER OF LUMINAIRES PER CONTROL UNIT	RADIO COMMUNICATIONS
 SD-X	✓	✓	✓	Up to 996	Optional with module
 SD-RADIO	✓	✓	✓	Up to 996	✓
 RD - ADJUSTABLE		✓			
					* H-PRO only (0-10V)
 ED - STANDARD					
 DALI		✓	✓	Up to 64	

* H-PRO = Professional high bay light/floodlight page 078

SD DRIVERS, SMART LIGHTING

The integration of the SD Smart Driver marked a quantum leap in lighting systems, both in terms of flexibility and functional expandability. A driver specifically designed for industrial use (according to EN 61000-6-2), resistant to overvoltage pulses ≤ 4 Kvolt. The system can be equipped with an integrated radio transmitter (SD-RADIO) or optional (SD_X), depending on the version, for communications with the control unit. The SD-X version also allows the integration of additional Smart Modules, including the radio module for connection with the SD Logic Control Unit, which can be connected to the appropriate connector and housed inside the luminaire.



SMART MODULES THAT CAN BE CONNECTED TO THE SD-X DRIVER



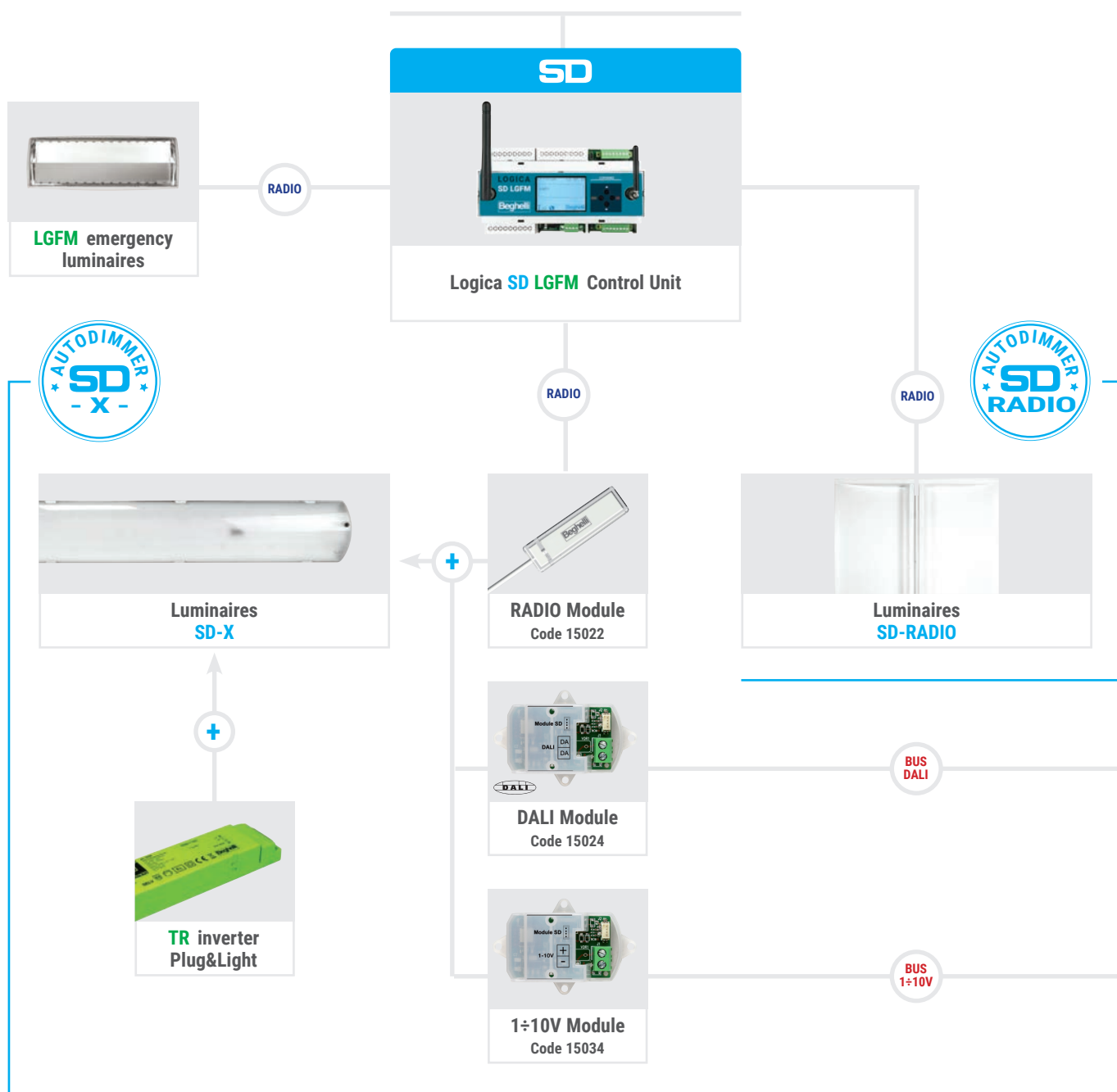
both local and remote

THE EVOLUTION OF SYSTEMS IS ONE OF INTEGRATION AND SMART CONTROL

Beghelli's idea of a smart lighting system finds its maximum expression when the lighting is integrated with the emergency and the entire system can be managed and programmed remotely. For this purpose, the NuBe Cloud Portal was created, where all system data can be stored and checked at any time.



Internet connection from PC, tablet or smartphone to Beghelli NuBe Cloud portal for the control, programming and activation of luminaires or lighting scenarios



Logica SD LGFM Control Unit



Control unit for SD luminaires and LGFM emergency lighting, with radio control of the luminaires, integrated GSM module and WiFi for the remote management of the system.



Various types of connections possible and simultaneous management of lighting and emergency. Possibility of acting on each luminaire and creating or activating lighting scenarios. Secure radio transmission with a mesh communication network, where each luminaire acts as a repeater for the next luminaire.

Applications

Industry, services

Characteristics

Power supply 230VAC $\pm 10\%$, 50÷60Hz

Mounting 9 DIN rail modules

Managed devices up to 996 radio devices that can be managed, including lighting, emergency and building automation devices; if more than one control unit is connected to the NuBe Cloud, the number of devices that can be managed is almost infinite

Connection interface

SFH DSSS Radio Spread Spectrum on 16 channels, UMTS 4G slot mini SD (SIM included), WiFi - AccesPoint (AP) mode and Client (STA) mode, Ethernet, USB (2 ports), Bluetooth, RS485, RS232, 4 x IN ports and 2 x OUT ports

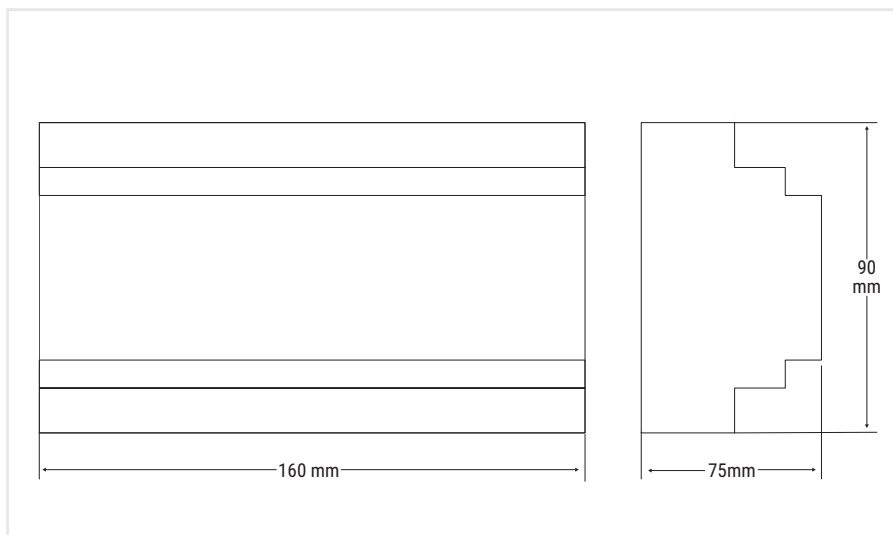
Management software

B.connect App, NuBe, SD Manager, Logica visual

Memory card

SD Card (not included)

Compliance EN60950-1, EN62034, EN50172, 2014/53/EU

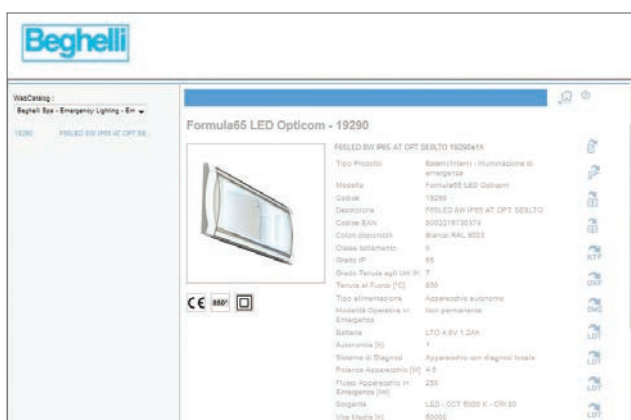
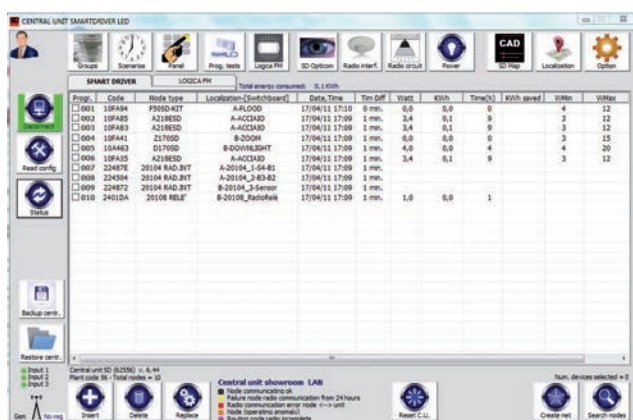


FUNCTIONS: Full control of the lighting system

- Switching on, switching off and dimming of luminaires.
- Management and timing of lighting scenarios in up to 256 luminaire groups.
- Setting of the operating mode (fixed brightness or with Auto-dimmer)
- Diagnostics
- Measurement of instantaneous power and energy consumption
- Compatibility with SD and LGFM emergency lighting systems
- Management of all functions of the emergency system of LGFM devices, as further specified in the emergency section (other side of the Reverso Catalogue)


SD MANAGER AND ON-LINE E-CATALOGUE FOR SETTING UP AND MANAGING LIGHTING SYSTEMS

SD manager is a software designed for the management of lighting and emergency lighting systems, capable of centralising all commands on a PC. The software, through the Logica SD LGFM Control Unit, can control the system, both to set the parameters of a new system and to set up an existing system with the creation of luminaire groups, lighting scenarios and the testing of any connected emergency system. It is also possible to position the luminaires on a plan in DWG format, on which you will have a complete overview of the system.




Screen shot with the SD Manager screen showing luminaires and system settings. Another screen allows the luminaires to be displayed on a DWG plan.

The e-catalogue on the beghelli.it website is always up-to-date so that you can check all the technical aspects of each luminaire and view the specific photometry values.



Order Code	Description	Number of luminaires	Number of DIN rail modules	Weight Kg	Packaging Single/Multi pack
 21102	SD LOGIC CONTROL UNIT (SIM included)	996	9	0.6	1


BUILDING AUTOMATION - included



SD MANAGER


Order Code **20109**



RS485/USB CABLE

(For order code 21102)



System modules



SMART DIMMER LIGHT SENSOR

Sensor consisting of a SMD light transistor, which can be connected to the SmartDriver electronic ballast to which it communicates the instantaneous reading of the contribution of daylight to the ambient lighting. This information allows the SmartDriver to correctly calibrate the power supply to the LEDs in order to maintain a constant and uniform lighting on work surfaces.

The Auto-dimmer sensor enables the luminaires on which it is installed to make consumption savings of 30% on an average.

Each luminaire, both SD-X and SD-RADIO, equipped with the new Smart Light Sensor, acquires the Auto-dimmer Natural Light function that allows reading the input of natural light in the environment and calibrating the artificial lighting.

Order code	Description	Packaging
15039	SMART DIMMER LIGHT SENSOR	1



OUTDOOR SMART DIMMER LIGHT SENSOR

Light sensor to be connected to the SmartDriver electronic ballast to activate the Auto-dimmer function in luminaires that do not have one or to dim groups of luminaires by centralising the reading of the ambient light via the SD Manager software. This device also allows correctly setting a uniform LED power, managing a single level of light intensity and maintaining constant and uniform lighting on worktops.

Order code	Description	Packaging
21100	OUTDOOR SMART DIMMER LIGHT SENSOR	1



∅ 50x45mm



DALI OR 1÷10V INTERFACE MODULES

Module with DALI port:

A device that can be connected directly to the SD-X Driver to control the luminaire. It also has a "Push to Dim" function, which switches the luminaire off, on and dims it by pressing buttons connected to it.

Module with 1-10V port:

The device enables the SD-X Driver to control the luminaire via a 1÷10V analogue interface.

Order code	Description	Packaging
15024	DALI MODULE	1
15034	1÷10V MODULE	1



33x52x28mm



BUILDING AUTOMATION RADIO MODULE

Spread spectrum radio transceiver operating in the 2,400-2,483 GHz band according to the Beghelli FH-DSSS protocol. The device enables wireless remote control, the SD-X driver of the luminaire in which it is inserted. The Building automation Radio Module is powered by the SmartDriver and enables the following functions:

- Receiving and implementation of radio commands from the SD-X driver to Control Unit
- Possibility to implement automatic dimming functions or to activate pre-set lighting scenarios via radio messages
- If the SD Logica Control Unit is present in the system, it is possible to manage and control the diagnostics of each individual luminaire remotely, via the NuBe Cloud.

Order code	Description	Packaging
15022	BUILDING AUTOMATION RADIO MODULE	1



BUILDING AUTOMATION RADIO TRANSMITTER

Radio interface device, powered at 230VAC, equipped with a 230V input that can send radio commands to groups of luminaires or individual luminaires equipped with a Building automation Radio Receiver, even without a Control Unit. There are 2 transmitters inside the module that can be used separately or by means of an up/down button to switch on, off or dim via radio the luminaire to which it is connected. The device works with any power supply, it has an antenna and can be mounted in any type of unshielded box or 503 box (it takes up the space of 1 module), and it can also function as an SD signal repeater.

Order code	Description	Packaging
20104	BUILDING AUTOMATION RADIO TRANSMITTER	1



BUILDING AUTOMATION RADIO RECEIVER

Radio interface device, powered at 230VAC, incorporating a relay that can drive luminaires and other electrical loads. The device has an antenna and can be inserted into any type of unshielded box or 503 box (it takes up the space of 1 single module)

Maximum controlled load 260W.

The Building automation Radio Receiver must be associated with one or more Radio Transmitters or a Logical SD Central Unit to implement the corresponding commands.

Order code	Description	Packaging
20108	BUILDING AUTOMATION REMOTE CONTROL RECEIVER	1

LED Panel RTI SanificaAria

lighting



Hybrid device with uvOxy® air sanitization. Adjusting parameters from the SanificaAria APP or from NuBe. HCL version with Colour Temperature (K) adjustment in fixed (CCT) or automatic mode.

Applications

Service sector, public sector, offices, schools

Characteristics

Power supply unit 230VAC ±10%, 50÷60Hz

Power supply - MTBF at 25°C 65,000h

Luminous flux retention at 25°C

>80,000÷120,000h (L80B20)

Colour stability 3 SDCM

Mounting Recessed on Module 600, suspended with the steel cables supplied

Body Pre-galvanised sheet metal RAL 9003 matt

Optics PMMA microstructured lens

Compliance EN60598-1, EN60598-2-22, EN62471 (photobiological risk-free), CAM Minimum Environmental Criteria according to DM 11.01.2017, EN60598-2-2, EN60335-2-65, ISO 15714, 2014/53/EU1

Specifications of the Air Sanitizer

Power supply unit 230VAC ±10%, 50÷60Hz

uvOxy® input power 60÷75 W

UV-C wavelength 254 nm

Sanitization flow rate 200 m³/h

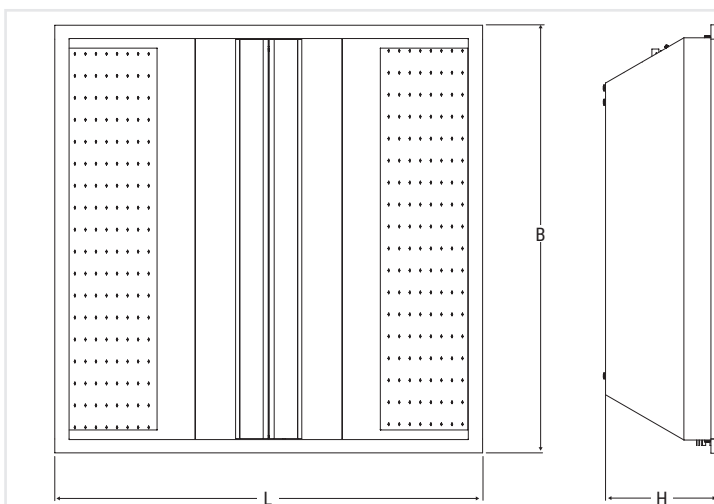
UV-C power 48 W

UV-C radiation power 15 W

Sanitization speed 1-2-3 steps

Timing programmable

Recommended cartridge life 12 months

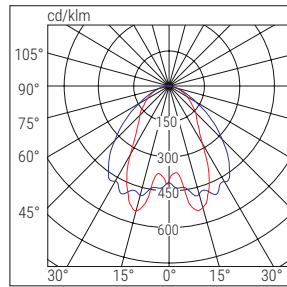


EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m³	Surface area m²	Initial sanitization time h
110	40	0.5
200	75	1
320	120	1.5
430	160	2
650	240	3

Version	Dimensions mm		
	L	B	H
600x600	595	595	160

LED PANEL RTI SANIFICAARIA - 600x600




■ C90-C270 ■ C0-C180

	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Sanitisation flow rate m³/h			Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack	HCL CCT	
								1	2	3					
SD	40176UV	P RTI M600 35W U19C90 SDHCL UV	36	HCL 2700 ÷ 6000 CCT 2700-4000-6000	>90	6000	5000	100	150	200	140	7.5	1	GO*	AUTO-DIMMER
	40171UV	P RTI M600 35W U19C90 SD4K UV	36	4000	>90	6000	5000	100	150	200	140	7.5	1		
RD	40166UV	P RTI M600 35W U19C90 RDHCL UV	36	HCL 2700 ÷ 6000 CCT 2700-4000-6000	>90	6000	5000	100	150	200	139	7.5	1	GO*	ADJUSTABLE
	40161UV	P RTI M600 35W U19C90 RD4K UV	36	4000	>90	6000	5000	100	150	200	139	7.5	1		
DALI	MODULAR ENCODING: To create the DALI version device code, select a device in the range RD and add to its code the suffix DL Example: Order Code 40166UV + DL = Order Code 40166UVDL														DALI

	Flow rate up to 200 m³/h	Initial sanitisation time 15 minutes	Initial sanitisation time 40 minutes
	Performance related to a single system in an office of 20 sq m		Performance related to an open space with 1 device per 50 sq m



REMOTE SANITISATION MANAGEMENT, VIA SD LOGICA FM CONTROL UNIT, OR LOCALLY, WITH THE DEDICATED APP

With the integration of the SD Logica Control Unit, the sanitisation system can be connected to a network. The main parameters to regulate the system are the 3 levels of fan speed and the operating time. The system can be accessed from the NuBe portal to adjust all parameters, even remotely.

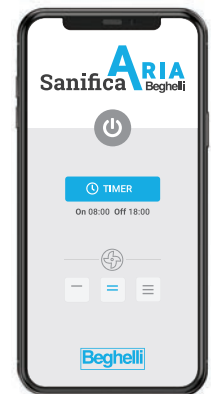


LOGICA SD LGFM CONTROL UNIT

Order Code **21102**

The Sanifica Aria Beghelli BLE APP (Bluetooth local remote control) has been designed to locally control the sanitisation system built into the luminaire, with the utmost simplicity. Using Bluetooth technology, the smartphone becomes a real remote control for the system, adjusting fan speed and setting the operating times of the air sanitizer.



RD VERSIONS, WITH MANUALLY ADJUSTABLE FLUX/POWER IN 3 STEPS



Flux/Power	LED Panel RTI SanificaAria		
	lm	W	lm/W
STEP 1	5000	36	139
STEP 2	4000	28	142
STEP 3	3400	24	142

The lighting system must consider both the required level of lighting obtained from the lighting calculation and the power saving needs. LED Panel RTI SanificaAria allows you to achieve this result thanks to its driver with a 3-step current modulation switch that provides maximum luminous efficiency and, therefore, maximum power savings, while observing the luminous flux set out in the design phase.

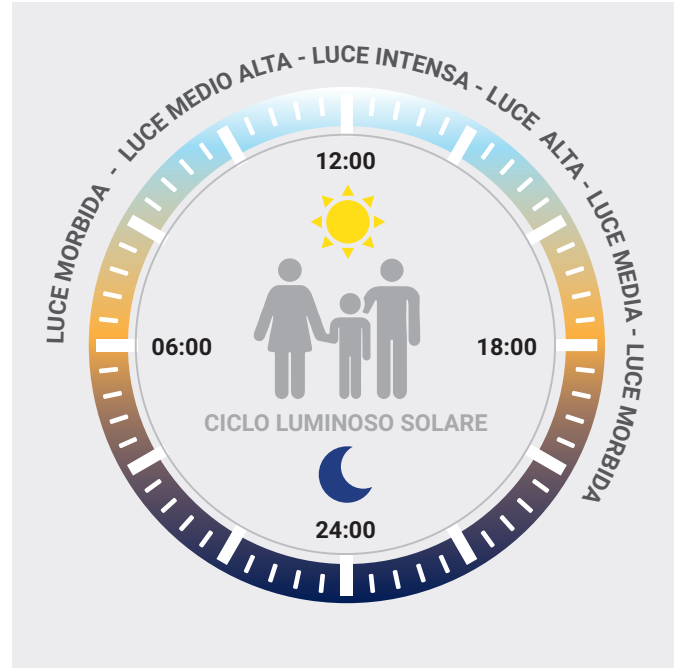
NEXT >

LED Panel RTI SanificaAria

lighting

 **HCL-CCT module, both in SD and RD version, for automatic colour temperature variation according to the solar time or to set 2700, 4000, 6000K constants**


The HCL-CCT module equips both RD and SD series luminaires and allows a colour temperature adjustment in 3 steps 2700K - 4000K - 6000K (CCT). It also enables the automatic HCL (Human Centric Lighting - Biodynamic Lighting) mode, which adapts to the human biological cycle. To simply perform this function, a new preconfigured system has been developed, which takes care of the dynamic synchronisation of colour variation corresponding to the time of day with the human biological clock (circadian cycle). Each luminaire has a pre-set clock to synchronise the automatic cycle with the time of day as soon as the luminaire is connected: simply set the selector switch to HCL mode, the luminaire will recognise the time of day and provide the most suitable colour temperature. With the same selector, you can set the luminaire on the HCL or CCT mode (2700K - 4000K - 6000K) and, in the SD Auto-dimmer version, the light output also takes into account the natural light input in the room.



SPECIAL VARIANTS - on request


COLOUR TEMPERATURE 3000K and 6000K, 0-10V

ACCESSORIES - included



SD RADIO / 1 -10V INTERFACE

SD




SMART DIMMER LIGHT SENSOR

Order Code **15039**

SD


ACCESSORIES AND SPARE PARTS - to be ordered separately



SPARE PART PURIFICATION CARTRIDGE uvOxy®

Duration 12 months, at 24h/day use

Order Code **26721**




SanificaAria RADIO TRANSMITTER

Radio control via an external button, of one or more SanificaAria luminaires

Order Code **20104SA**

BUILDING AUTOMATION - to be ordered separately




LOGICA SD LGFM CONTROL UNIT

nuBe

SD

Order Code **21102**




BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**

SD

LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately



INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V

Order Code **19358** (1h)

Order Code **19359** (3h)

TR




INVERTER GL AT/LG AR 15W 55V

Order Code **19391** (LiFe battery)

Order Code **19390** (LTO battery)

AT LG



INVERTER AT/LG AR 9W 55V

Order Code **19355L** (LiFe battery)

AT LG



LGFM EMERGENCY MODULE

For AT/LG series inverters only

Order Code **19375**

LGFM



015 hybrid luminaires with air sanitizer

Modulo 600 SanificaAria

lighting



Recessed device for uvOxy® air sanitization. Adjusting parameters from the SanificaAria APP or from NuBe.

Device without a light source, to be used for sanitizing rooms only. Designed for integrating the uvOxy® air sanitization system in a new or existing lighting system.

It can be installed on a support on false ceilings made of Modulo 600 structures.

Applications

Service sector, public sector, offices, schools

Specifications of the Air Sanitizer

Power supply unit 230VAC ±10%, 50÷60Hz

Mounting Recessed on Module 600, suspended with the steel cables supplied

Body Pre-galvanised sheet metal RAL 9003 matt

uvOxy® input power 60÷75 W

UV-C wavelength 254 nm

Sanitization flow rate 200 m³/h

UV-C power 48 W

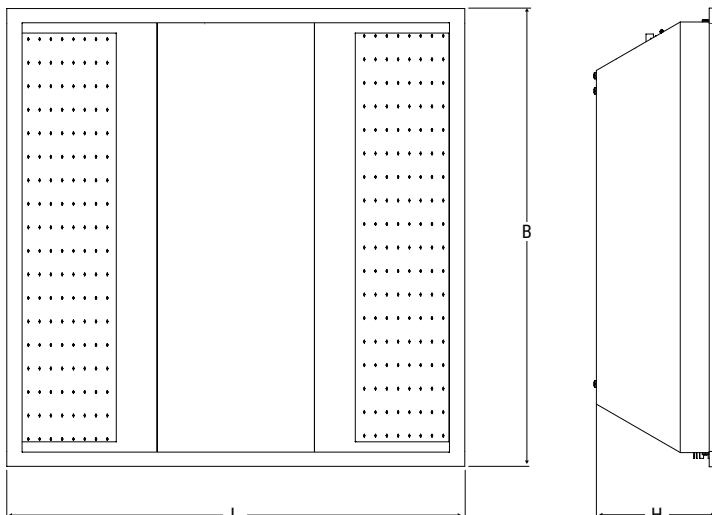
UV-C radiation power 15 W

Sanitization speed 1-2-3 steps

Timing Programmable

Cartridge life 12 months

Compliance EN60335-2-65, ISO 15714




EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m³	Surface area m²	Initial sanitization time h
110	40	0.5
200	75	1
320	120	1.5
430	160	2
650	240	3

Version	Dimensions mm		
	L	B	H
600x600	595	595	160

Order Code	Description	Power W	Sanitisation flow rate m ³ /h			Weight Kg	Packaging Single/Multi pack
			1	2	3		
26706	SANIFICA ARIA MODULE 600	36÷60 W	100	150	200	7.5	1


 Flow rate up to 200 m ³ /h	Initial sanitisation time 15 minutes	Initial sanitisation time 40 minutes
Performance related to a single system in an office of 20 sq m		Performance related to an open space with 1 device per 50 sq m

REMOTE SANITISATION MANAGEMENT, VIA SD LOGICA FM CONTROL UNIT, OR LOCALLY, WITH THE DEDICATED APP

With the integration of the SD Logica Control Unit, the sanitisation system can be connected to a network. The main parameters to regulate the system are the 3 levels of fan speed and the operating time. The system can be accessed from the NuBe portal to adjust all parameters, even remotely.



The Sanifica Aria Beghelli BLE APP (Bluetooth local remote control) has been designed to locally control the sanitisation system built into the luminaire, with the utmost simplicity. Using Bluetooth technology, the smartphone becomes a real remote control for the system, adjusting fan speed and setting the operating times of the air sanitizer.






LOGICA SD LGFM CONTROL UNIT

Order Code **21102**


ACCESSORIES AND SPARE PARTS - to be ordered separately



SPARE PART PURIFICATION CARTRIDGE uvOxy®

Duration 12 months, at 24h/day use

Order Code **26721**



SanificaAria RADIO TRANSMITTER

Radio control via an external button, of one or more SanificaAria luminaires


Order Code **20104SA**





017 hybrid luminaires with air sanitizer


LED Panel RTI



 Higher quality light diffusion LED panel, made of **90% less plastic** in an environmentally friendly way.

 It allows multiple types of mounting and the adjustment of colour temperature (K) in fixed mode (CCT) or automatic mode (HCL).

 Micro-structured lens for soft and diffused, direct and indirect light.

 Built-in universal bracket for ceiling (without an additional frame) or recessed mounting.

Applications

Services, public sector, offices, schools

Characteristics

Power supply

SD 230VAC ±10%, 50÷60Hz, 168÷280VDC

ED 230VAC ±10%, 50÷60Hz

Power supply - MTBF at 25°C 65,000h

Luminous flux retention at 25°C

>80,000÷120,000h (L80B20)

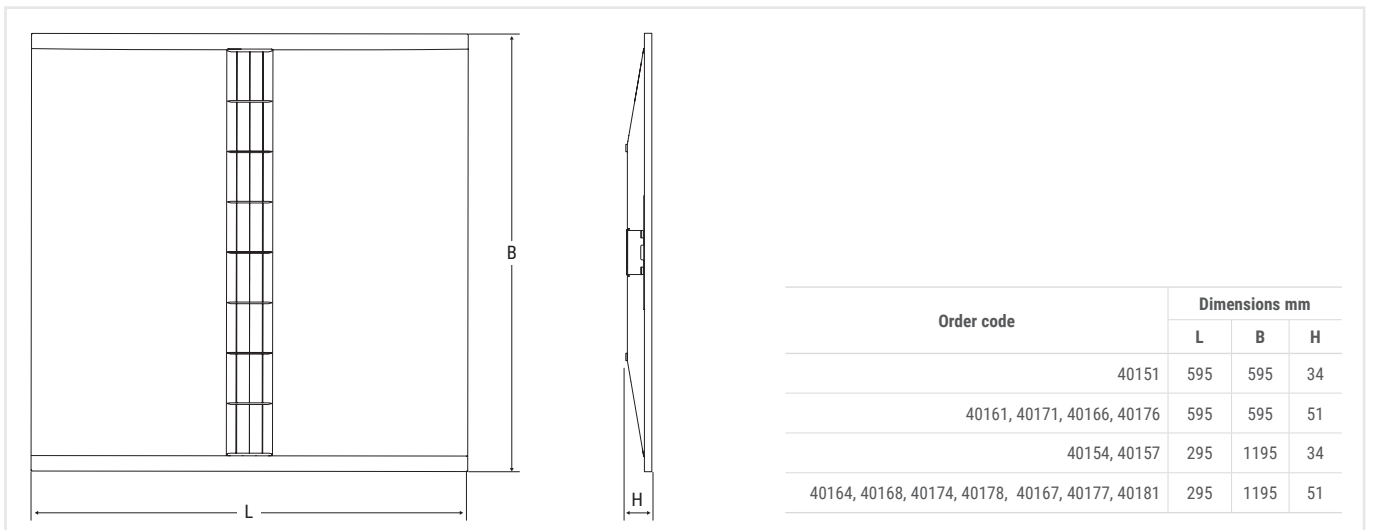
Colour stability 3 SDCM

Mounting M600, ceiling, suspended

Housing Polyester powder-coated pre-galvanised sheet steel, RAL 9003, matt

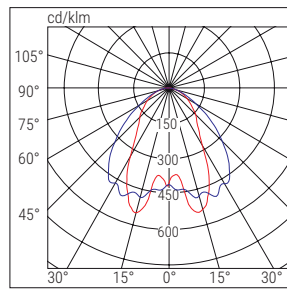
Optics PMMA micro-structured lens

Compliance EN60598-1, EN60598-2-2, EN60598-2-22, EN62471 (photobiological risk-free), CAM Minimum Environmental Criteria according to DM 11.01.2017, 2014/53/EU



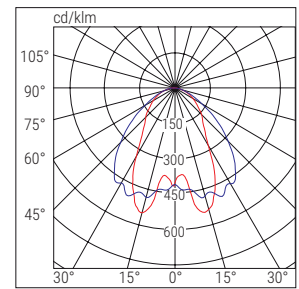
Order code	Dimensions mm		
	L	B	H
40151	595	595	34
40161, 40171, 40166, 40176	595	595	51
40154, 40157	295	1195	34
40164, 40168, 40174, 40178, 40167, 40177, 40181	295	1195	51

LED PANEL RTI - 600x600



■ C90-C270 ■ C0-C180

LED PANEL RTI - 300x1200

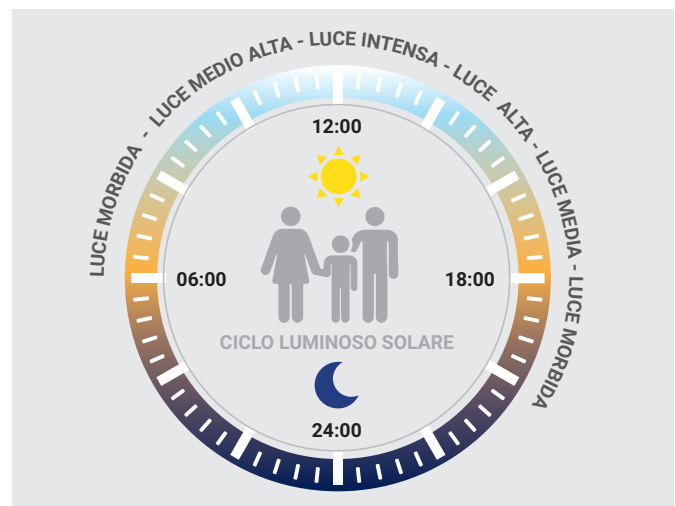


■ C90-C270 ■ C0-C180

	Version	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack	HCL CCT
SD	600x600	40171	PAN RTI M600 35W U19C90 SD4K	36	4000	>90	6000	5000	139	2.5	1/4	
	300x1200	40174	PAN RTI 30x120 35W U19C90 SD4K	35	4000	>90	6000	5000	143	3.9	1/4	
	300x1200	40181	PAN RTI 30x120 50W U19C90 SD4K	50	4000	>90	8400	7000	140	3.9	1/4	
	600x600	40176	PAN RTI M600 35W U19C90 SD HCL	36	HCL 2700 ÷ 6000 CCT 2700-4000-6000	>90	6000	5000	139	2.6	1/4	☀️ 🌙
	300x1200	40177	PAN RTI 30x120 35W U19C90 SD HCL	35	HCL 2700 ÷ 6000 CCT 2700-4000-6000	>90	6000	5000	143	4.0	1/4	☀️ 🌙
	300x1200	40178	PAN RTI 30x120 50W U19C90 SD HCL	50	HCL 2700 ÷ 6000 CCT 2700-4000-6000	>90	8400	7000	140	4.0	1/4	☀️ 🌙
ED	600x600	40151	PAN RTI M600 25W U19C90 ED4K	24	4000	>90	4000	3400	142	1.9	1/6	
	300x1200	40154	PAN RTI 30x120 25W U19C90 ED4K	23	4000	>90	4000	3400	148	2.7	1/6	
	300x1200	40157	PAN RTI 30x120 50W U19C90 ED4K	48	4000	>90	8200	6800	142	2.7	1/6	
	600x600	40161	PAN RTI M600 35W U19C90 ED4K	36	4000	>90	6000	5000	139	2.4	1/4	
	300x1200	40164	PAN RTI 30x120 35W U19C90 ED4K	35	4000	>90	6000	5000	143	3.8	1/4	
	600x600	40166	PAN RTI M600 25W U19C90 HCL	25	HCL 2700 ÷ 6000 CCT 2700-4000-6000	>90	4200	3500	140	2.5	1/4	☀️ 🌙
	300x1200	40167	PAN RTI 30x120 25W U19C90 HCL	24	HCL 2700 ÷ 6000 CCT 2700-4000-6000	>90	4200	3500	146	3.9	1/4	☀️ 🌙
	300x1200	40168	PAN RTI 30x120 50W U19C90 HCL	50	HCL 2700 ÷ 6000 CCT 2700-4000-6000	>90	8400	7000	140	3.9	1/4	☀️ 🌙
DALI	MODULAR ENCODING: To create the DALI version device code, select a device in the range ED and add to its code the suffix DL Example: Order Code 40157 + DL = Order Code 40157DL											

☀️🌙 HCL-CCT module, both in SD and ED version, for automatic colour temperature variation according to the solar time or to set 2700, 4000, 6000K constants

The HCL-CCT module allows you to adjust the colour temperature in 3 steps 2700K - 4000K - 6000K (CCT) that can also be activated in HCL (Human Centric Lighting) mode, with automatic light variations, to adapt the lighting to the human biological cycle (biodynamic lighting). A pre-set clock, built-in in each luminaire, deals with the synchronisation of colour variations according to the hour of the solar day, to provide the most suitable colour temperature (K). With the same selector, you can set the luminaire on HCL mode, with controlled colour variations, or on CCT mode, by setting a fixed chosen value (2700K - 4000K - 6000K). In addition, in the SD Auto-dimmer version, the light output also takes into account the existing supply of natural light.



NEXT >


019 recessed

LED Panel RTI

SPECIAL VARIANTS - on request


COLOUR TEMPERATURE 3000K and 6000K, 0-10V

ACCESSORIES - included



SD RADIO / 1 -10V INTERFACE


SD



SMART DIMMER LIGHT SENSOR


Order Code **15039**

SD



CEILING MOUNTING BRACKET
Supplied on all models

ACCESSORIES - to be ordered separately




INVERTER MOUNTING BRACKET
Only for Order Codes 40151, 40154, 40157

Order Code **40190** (600x600) - **40191** (300x1200)

SUSPENDED MOUNTING KIT

Order Code **70033**


BUILDING AUTOMATION - to be ordered separately



LOGICA SD LGFM CONTROL UNIT

Order Code **21102**

nuBe
SD



BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**

SD

LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately

LUMINAIRE/INVERTER COMPATIBILITY ACCORDING TO THE TYPE OF MOUNTING			
LUMINAIRES Order Code	COMPATIBLE INVERTERS	TYPE OF MOUNTING	MOUNTING ACCESSORIES
40151	19367 - 19371	M600	
		ceiling/suspended	Bracket Code 40190
40154 40157	19367 - 19371	M600	
		ceiling/suspended	Bracket Code 40191
40161	19358 - 19359- 19355L 19390 - 19391	M600	
		ceiling/suspended	
40164	19358 - 19359- 19355L 19390 - 19391	M600	
		ceiling/suspended	
40166	19367 - 19371	M600	
		ceiling/suspended	
40167 40168	19367 - 19371	M600	
		ceiling/suspended	
40176	19358 - 19359	M600	
		ceiling/suspended	on request
	19355L - 19390 - 19391	M600	Inverter Cover IP65 Code 19376
		ceiling/suspended	on request
40177 40178	19358 - 19359- 19355L 19390 - 19391	M600	
		ceiling/suspended	
40171	19358 - 19359	M600	
		ceiling/suspended	on request
	19355L 19390 - 19391	M600	Inverter Cover IP65 Code 19376
		ceiling/suspended	on request
40174 40181	19358 - 19359- 19355L 19390 - 19391	M600	
		ceiling/suspended	



INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V

Order Code **19358** (1h)
Order Code **19359** (3h)


TR



INVERTER PLUG&LIGHT SE/SA 1-3h 60-180V

Order Code **19367** (1h)
Order Code **19371** (3h)

TR



INVERTER AT/LG AR 9W 55V

Order Code **19355L** (LiFe battery)


AT LG



INVERTER GL AT/LG AR 15W 55V

Order Code **19391** (LiFe battery)
Order Code **19390** (LTO battery)


AT LG



LGFM EMERGENCY MODULE
For LG series inverters only

Order Code **19375**

LGFM

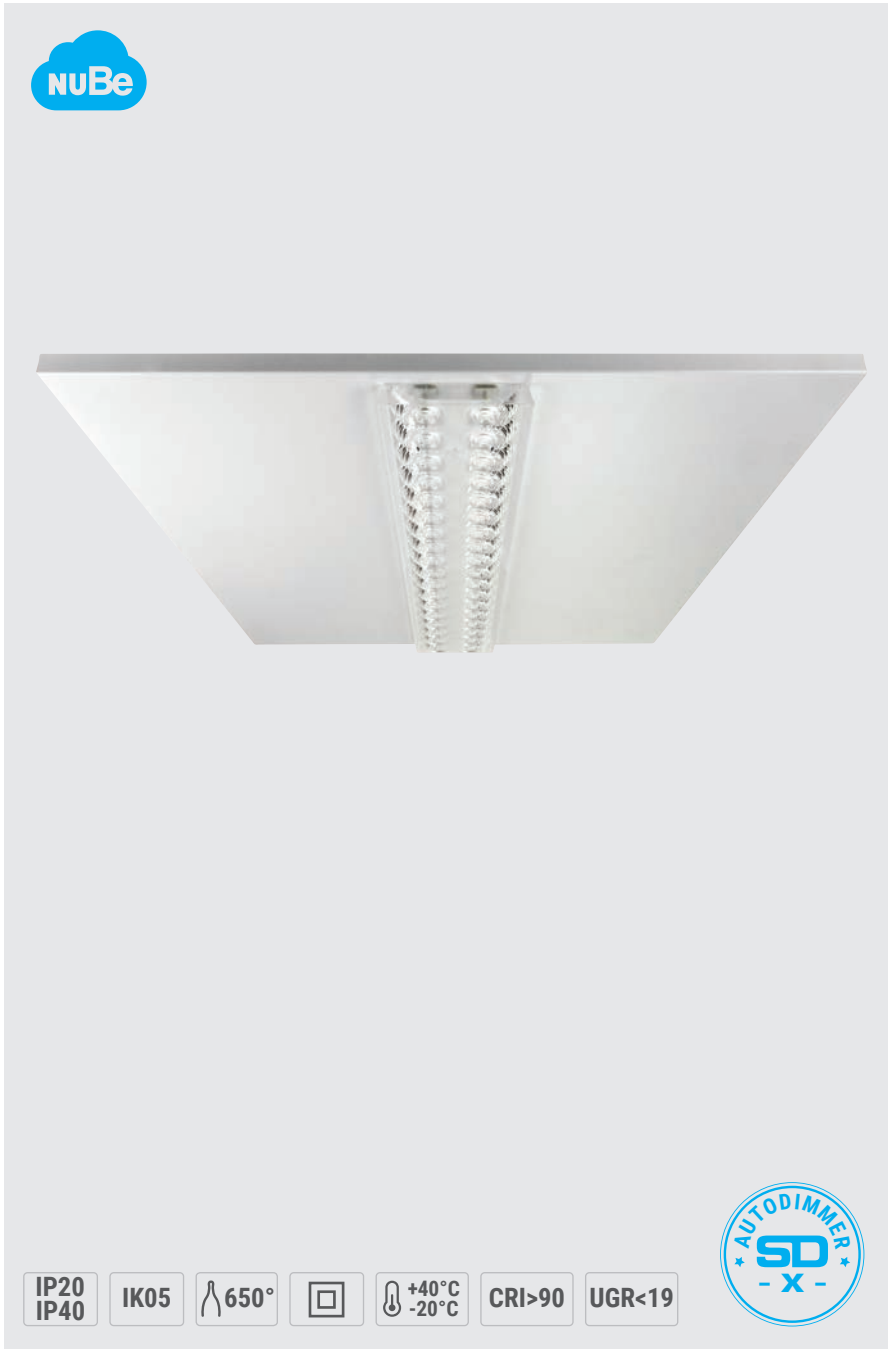


INVERTER COVER

Order Code **19376**



Lens Panel



Brightness efficiency of more than 130lm/W with a flux of up to 7000lm.



Anti-glare multi-lens optics (UGR<19). Colour rendering index Ra>90 to faithfully render the colours of an illuminated object.



Ceiling mounting with reduced thickness, the ED version does not require accessories.

Applications

Services, retail, offices, schools, hospitals

Characteristics

Power supply

SD Universal Multi Voltage

93÷265VAC, 50÷60Hz, 176÷250VDC

ED 230VAC ±10% 50Hz

Power supply - MTBF at 25°C 80,000h

Luminous flux retention at 25°C

60,000h (L80B20)

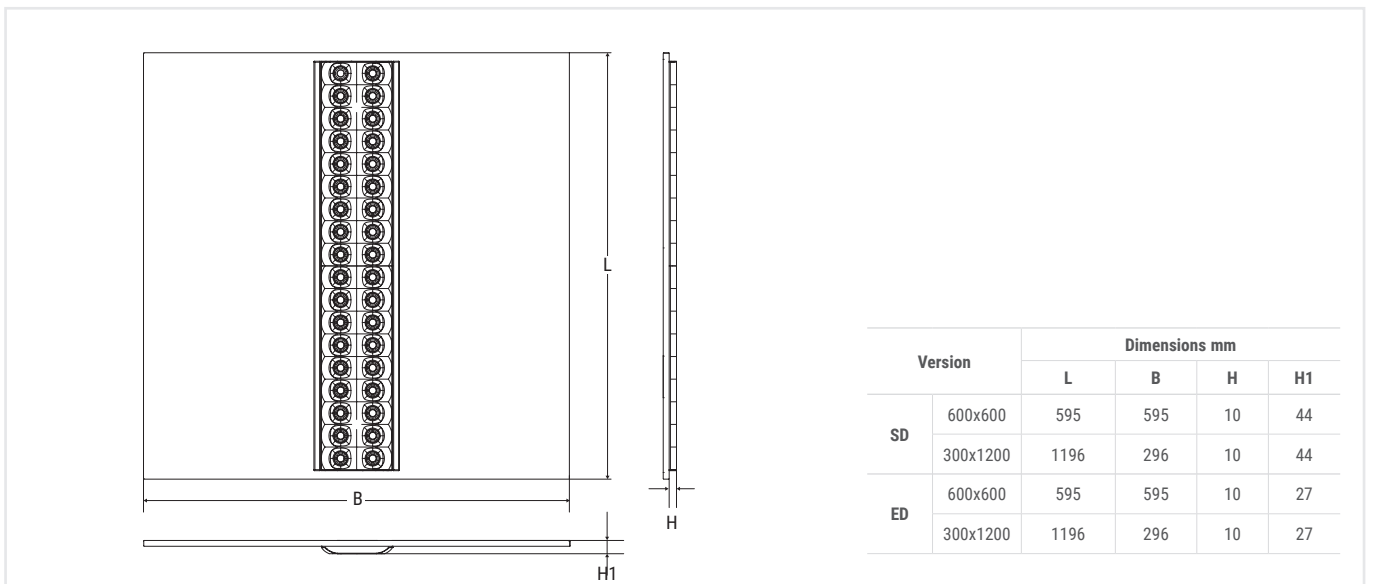
Colour stability 3 SDCM

Mounting recessed, M600, ceiling, suspended

Housing Polyester powder-coated pre-galvanised sheet steel, RAL 9003

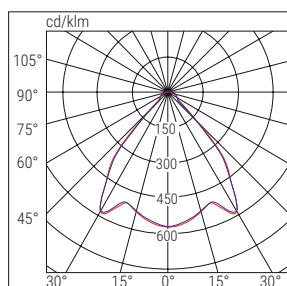
Optics Clear PMMA lenses

Compliance EN 60598-1, EN60598-2-2, EN 60598-2-22, EN62471 (photobiological risk-free), CAM Minimum Environmental Criteria according to DM 11.01.2017, 2014/53/EU



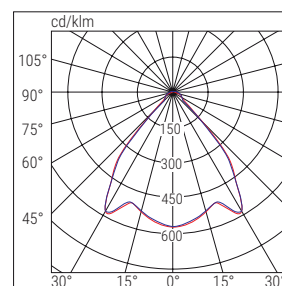
Version		Dimensions mm			
		L	B	H	H1
SD	600x600	595	595	10	44
	300x1200	1196	296	10	44
ED	600x600	595	595	10	27
	300x1200	1196	296	10	27

LENS PANEL - 600x600



■ C0-C180 ■ C90-C270


LENS PANEL - 300x1200



■ C0-C180 ■ C90-C270

	Version	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack	Notes	
SD	600x600	40140	LENS PAN 418 M600 UGR19 CRI90 SD 4K	35	4000	>90	4700	4400	126	3.5	1/3	☐	AUTO-DIMMER
	300x1200	40143	LENS PAN 236 300x1200 UGR19 CRI90 SD4K	41	4000	>90	6100	5300	129	3.5	1/3	☐	
	300x1200	40146	LENS PAN 258 300x1200 UGR19 CRI90 SD4K	56	4000	>90	7500	7000	125	3.5	1/3	☐	
ED	600x600	40131	LENS PAN 418 M600 UGR19 CRI90 ED4K	25	4000	>90	3700	3400	136	3.5	1/3		ON / OFF
	300x1200	40134	LENS PAN 236 300x1200 UGR19 CRI90 ED4K	32	4000	>90	5400	4500	141	3.5	1/3		
	300x1200	40137	LENS PAN 258 300x1200 UGR19 CRI90 ED4K	50	4000	>90	7100	6500	130	3.5	1/3		
DALI	INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY: It is possible to create DALI luminaires by integrating the version SD with the accessory Dali Module Order Code 15024 Example: Order Code 40146 + 15024 = Luminaire 40146 in the DALI version												DALI

ACCESSORIES - included



SMART DIMMER LIGHT SENSOR

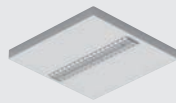
Order Code **15039**



ACCESSORIES - to be ordered separately

SUSPENDED MOUNTING KIT

Order Code **70033**



CEILING FRAME

SD versions only or combined with the Plug&Light inverter

Order Code **20089** (600x600)

Order Code **20101** (300x1200)











Lens Panel

lighting

BUILDING AUTOMATION - to be ordered separately

	<p>LOGICA SD LGFM CONTROL UNIT </p> <p>Order Code 21102 </p>	 <p>DALI MODULE</p> <p>Order Code 15024 </p>
	<p>BUILDING AUTOMATION RADIO TRANSMITTER</p> <p>Order Code 20104 </p>	 <p>1-10V MODULE</p> <p>Order Code 15034 </p>
	<p>BUILDING AUTOMATION RADIO MODULE</p> <p>Order Code 15022 </p>	

LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately

 <p>INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V</p> <p>Order Code 19358 (1h) Order Code 19359 (3h) </p>	 <p>LGFM EMERGENCY MODULE For AT/LG series inverters only</p> <p>Order Code 19375 </p>
 <p>INVERTER AT/LG AR 9W 55V Inverter cover (19376) required for installation</p> <p>Order Code 19355L (LiFe battery) </p>	 <p>INVERTER COVER IP65</p> <p>Order Code 19376 </p>
 <p>INVERTER GL AT/LG AR 15W 55V Inverter cover (19376) required for installation</p> <p>Order Code 19391 (LiFe battery) Order Code 19390 (LTO battery) </p>	



025 recessed

Led Panel IP65



IP65 LED panel with high LED efficiency of up to over 110 lm/W. Colour rendering index CRI>90, minimal body thickness (9mm).



Anti-glare micro-prismatic screen UGR<19.

Applications

Services, retail, offices, schools, hospitals

Characteristics

Power supply

SD 93÷265VAC, 50÷60Hz, 176÷250VDC

ED 230VAC ±10%, 50Hz

Power supply - MTBF at 25°C 65,000h

Luminous flux retention at 25°C
>50,000h (L80B20)

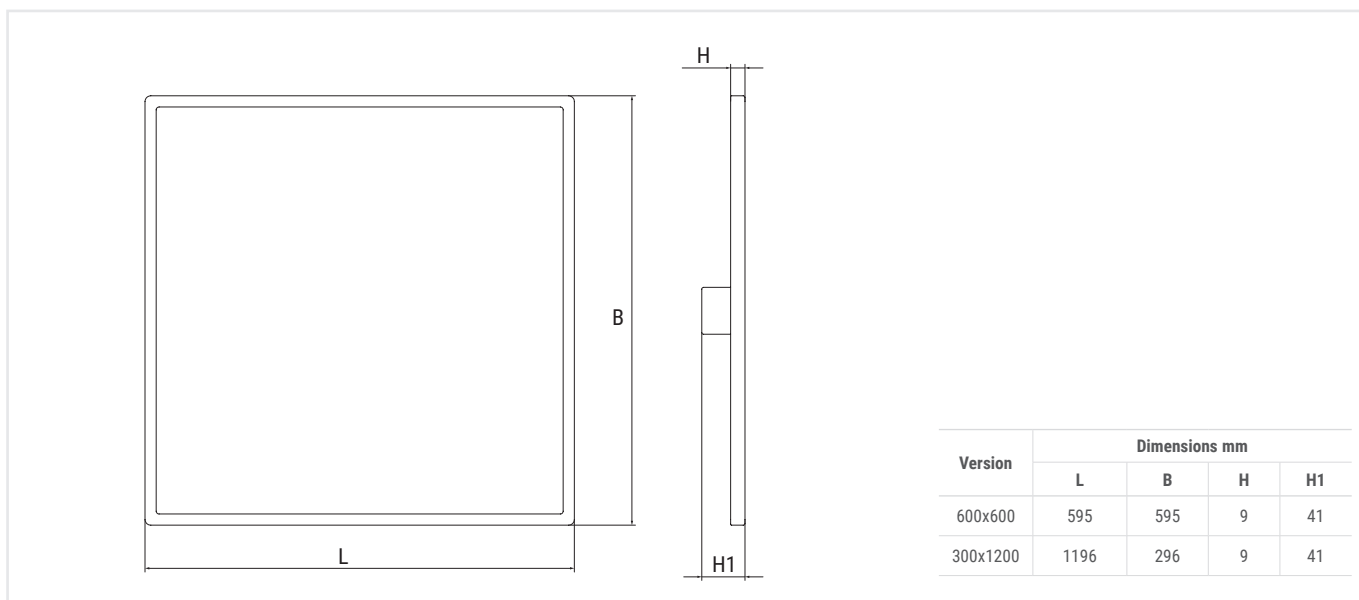
Colour stability 3 SDCM

Mounting recessed, M600

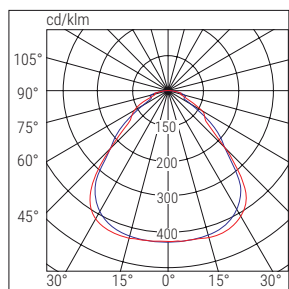
Housing Aluminium, white

Optics UV-stabilised, self-extinguishing, micro-prismatic screen, anti-reflective, PMMA light guide

Compliance EN60598-1, EN60598-2-2, EN60598-2-22, EN62471 (photobiological risk-free), CAM Minimum Environmental Criteria according to DM 11.01.2017, 2014/53/EU

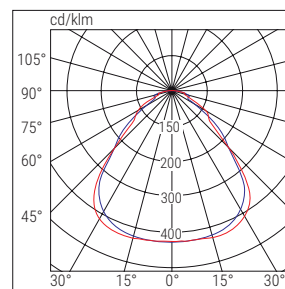


LED PANEL IP65 - 600x600



■ C90-C270 ■ C0-C180

LED PANEL IP65 - 300x1200




■ C90-C270 ■ C0-C180

	Version	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/Multi pack	
SD	600x600	40119	LED PANEL 418 M600 U19 C90 SD 4K IP65	36	4000	>90	4800	4000	110	3.5	1	AUTO-DIMMER (*)
	300x1200	40122	LED PANEL 30X120 U19 C90 SD 4K IP65	36	4000	>90	4800	4000	110	4.9	1	
ED	600x600	40113	LED PANEL M600 U19 C90 ED 4K IP65	36	4000	>90	4800	4000	110	3.5	1	ON / OFF
	300x1200	40116	LED PANEL 30X120 U19 C90 ED 4K IP65	36	4000	>90	4800	4000	110	4.9	1	

DALI **INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY:**
 It is possible to create DALI luminaires by integrating the version **SD** with the accessory **Dali Module** Order Code **15024**
 Example: Order Code **40119+ 15024** = Luminaire **40119** in the DALI version



(*) Function that can be activated by integrating the optional external light sensor Code 21100


BUILDING AUTOMATION - to be ordered separately



LOGICA SD LGFM CONTROL UNIT


Order Code **21102**







OUTDOOR SMART DIMMER LIGHT SENSOR


Order Code **21100**

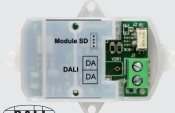




BUILDING AUTOMATION RADIO MODULE


Order Code **15022**






DALI MODULE


Order Code **15024**

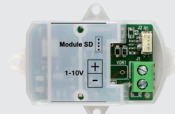




BUILDING AUTOMATION RADIO TRANSMITTER


Order Code **20104**






1-10V MODULE

Order Code **15034**






LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately



INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V IP65


Order Code **19368** (3h)







LGFM EMERGENCY MODULE
For AT/LG series inverters only



Order Code **19375**






INVERTER AT/LG AR 9W 55V
Inverter cover (19376) required for installation


Order Code **19355L** (LiFe battery)







INVERTER COVER IP65



Order Code **19376**





INVERTER GL AT/LG AR 15W 55V
Inverter cover (19376) required for installation

Order Code **19391** (LiFe battery)
Order Code **19390** (LTO battery)

Led Panel

lighting



High LED efficiency of up to more than 110 lm/W. Colour rendering index CRI>90, minimum body thickness (9mm)



Both recessed and ceiling mounting with ceiling frame adapter, to be ordered separately



Anti-glare micro-prismatic screen UGR<19

Applications

Services, retail, offices, schools

Characteristics

Power supply

SD 93÷265VAC, 50÷60Hz, 176÷250VDC

ED 230VAC ±10% 50Hz

Power supply - MTBF at 25°C 65,000h

Luminous flux retention at 25°C

>50,000h (L80B20)

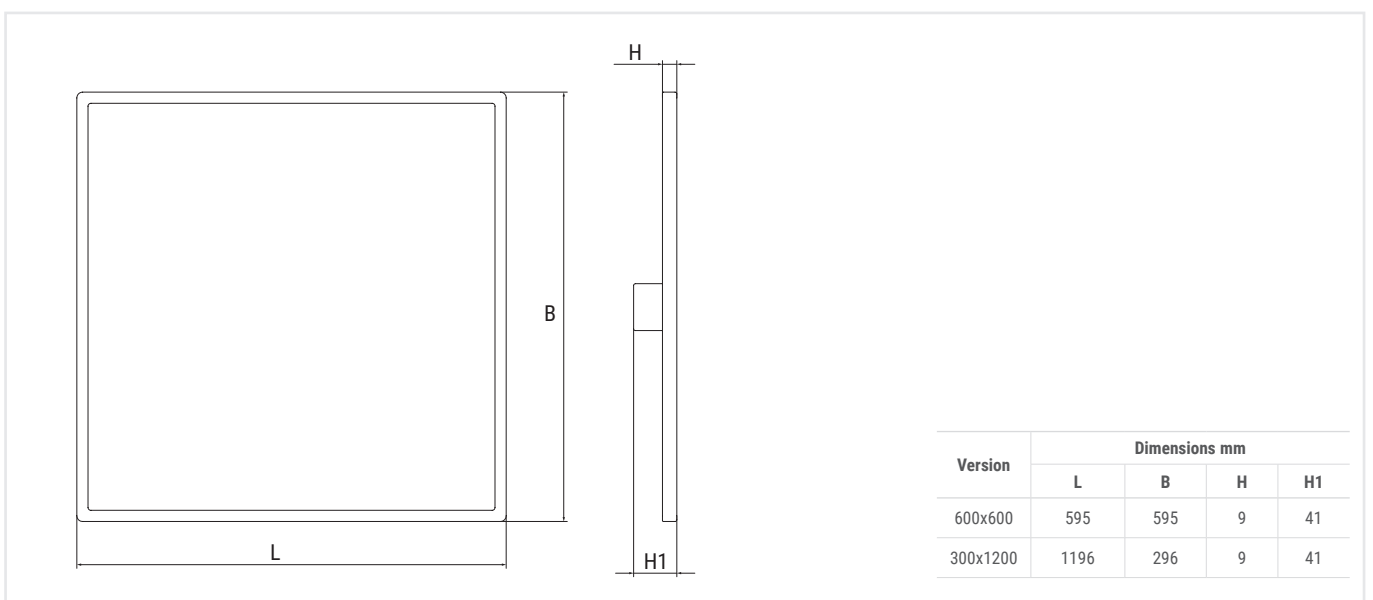
Colour stability 3 SDCM

Mounting recessed, M600, ceiling, suspended, plasterboard

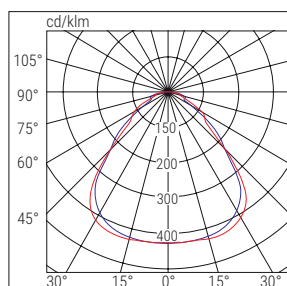
Housing Aluminium, white

Optics UV-stabilised, self-extinguishing, micro-prismatic screen, anti-reflective, PMMA light guide

Compliance EN60598-1, EN60598-2-2, EN60598-2-22, EN62471 (photobiological risk-free), CAM Minimum Environmental Criteria according to DM 11.01.2017, 2014/53/EU

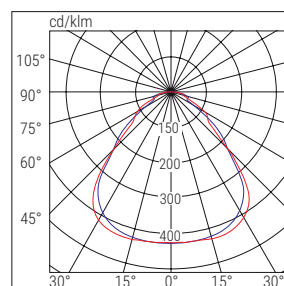


LED PANEL - 600x600



■ C90-C270 ■ C0-C180

LED PANEL - 300x1200




■ C90-C270 ■ C0-C180

	Version	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack	
SD	600x600	40107	LED PANEL 418 M600 U19 C90 SD 4K	36	4000	>90	4800	4000	110	3.5	1/5	AUTO-DIMMER
	300x1200	40110	LED PANEL 30X120 U19 C90 SD 4K	36	4000	>90	4800	4000	110	4.9	1/5	
ED	600x600	40101	LED PANEL 418 M600 U19 C90 ED 4K	36	4000	>90	4800	4000	110	3.5	1/5	ON / OFF
	300x1200	40104	LED PANEL 30X120 U19 C90 ED 4K	36	4000	>90	4800	4000	110	4.9	1/5	


DALI **INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY:**
 It is possible to create **DALI** luminaires by integrating the version **SD** with the accessory **Dali Module** Order Code **15024**
 Example: Order Code **40107+ 15024** = Luminaire **40107** in the **DALI** version **DALI**

ACCESSORIES - included



SMART DIMMER LIGHT SENSOR


Order Code **15039**



ACCESSORIES - to be ordered separately


SUSPENDED MOUNTING KIT

Order Code **70033**



CEILING FRAME

Order Code **20097** (600x600)
 Order Code **20100** (1200x300)



PLASTERBOARD BRACKETS

4 pieces

Order Code **70049**






Led Panel

lighting

BUILDING AUTOMATION - to be ordered separately

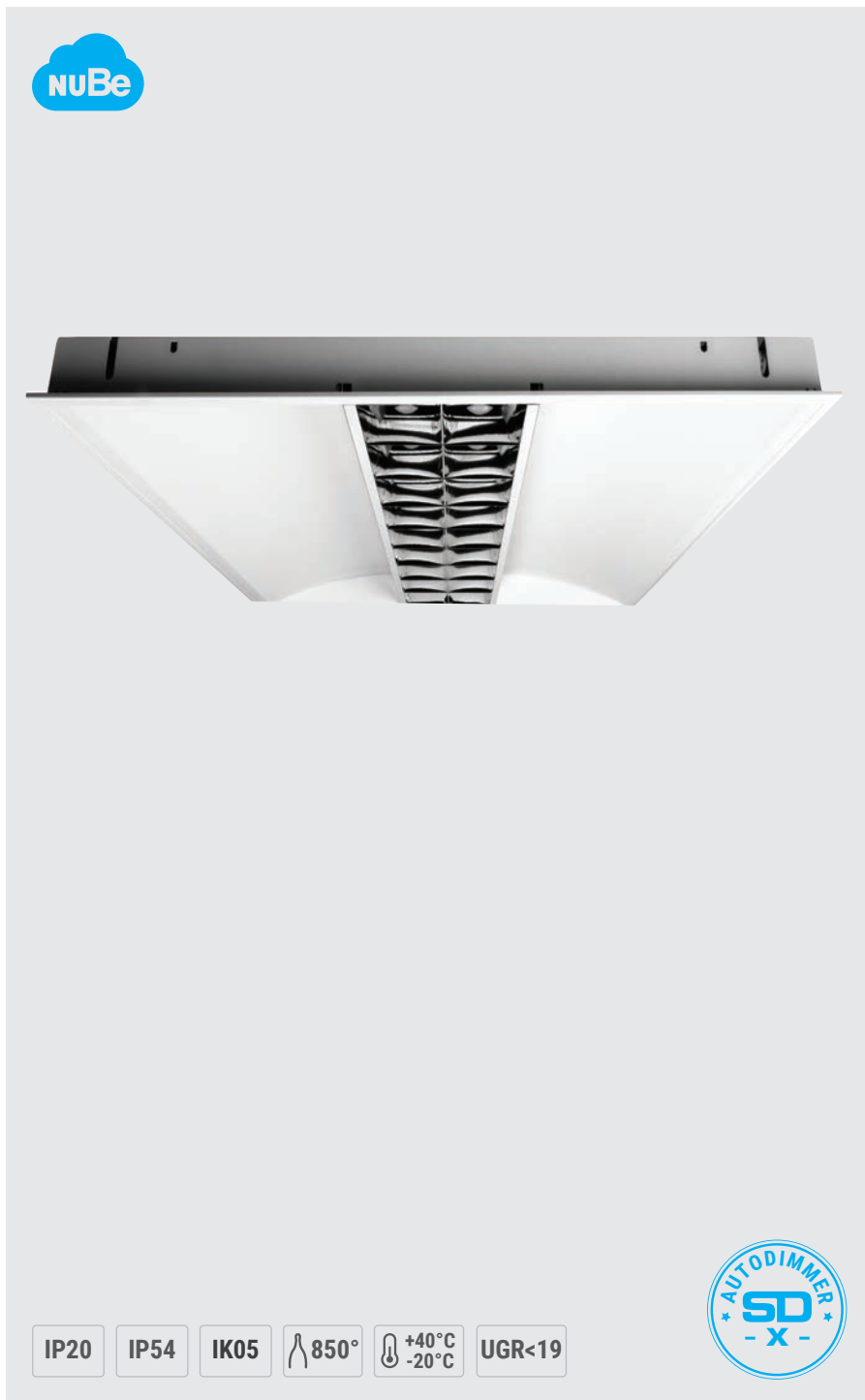
	<p>LOGICA SD LGFM CONTROL UNIT</p> <p>Order Code 21102</p>	 <p>DALI MODULE</p> <p>Order Code 15024</p>
	<p>BUILDING AUTOMATION RADIO MODULE</p> <p>Order Code 15022</p>	 <p>1÷10V MODULE</p> <p>Order Code 15034</p>
	<p>BUILDING AUTOMATION RADIO TRANSMITTER</p> <p>Order Code 20104</p>	

LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately

 <p>INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V</p> <p>Order Code 19358 (1h) Order Code 19359 (3h)</p>	 <p>LGFM EMERGENCY MODULE For AT/LG series inverters only</p> <p>Order Code 19375</p>
 <p>INVERTER AT/LG AR 9W 55V Inverter cover (19376) required for installation</p> <p>Order Code 19355L (LiFe battery)</p>	 <p>INVERTER COVER IP65</p> <p>Order Code 19376</p>
 <p>INVERTER GL AT/LG AR 15W 55V Inverter cover (19376) required for installation</p> <p>Order Code 19391 (LiFe battery) Order Code 19390 (LTO battery)</p>	



I 418



Luminaire with a high visual comfort as well as a high luminous flux of up to 4000lm.



Both recessed and ceiling mounting with ceiling frame adapter, to be ordered separately. IP54 version with additional glass or polycarbonate screen.



The high bay light with direct and indirect light diffuses the lighting in the room with an effective result of soft, but also direct light on the worktop.

Applications

Workplaces with VDTs in both public and private sectors, offices, schools, hospitals

Characteristics

Power supply

SD Universal Multi Voltage 93÷265VAC
50÷60Hz, 176÷250VDC

Power supply - MTBF at 25°C 65,000h

Luminous flux retention at 25°C

>70,000h (L80B20)

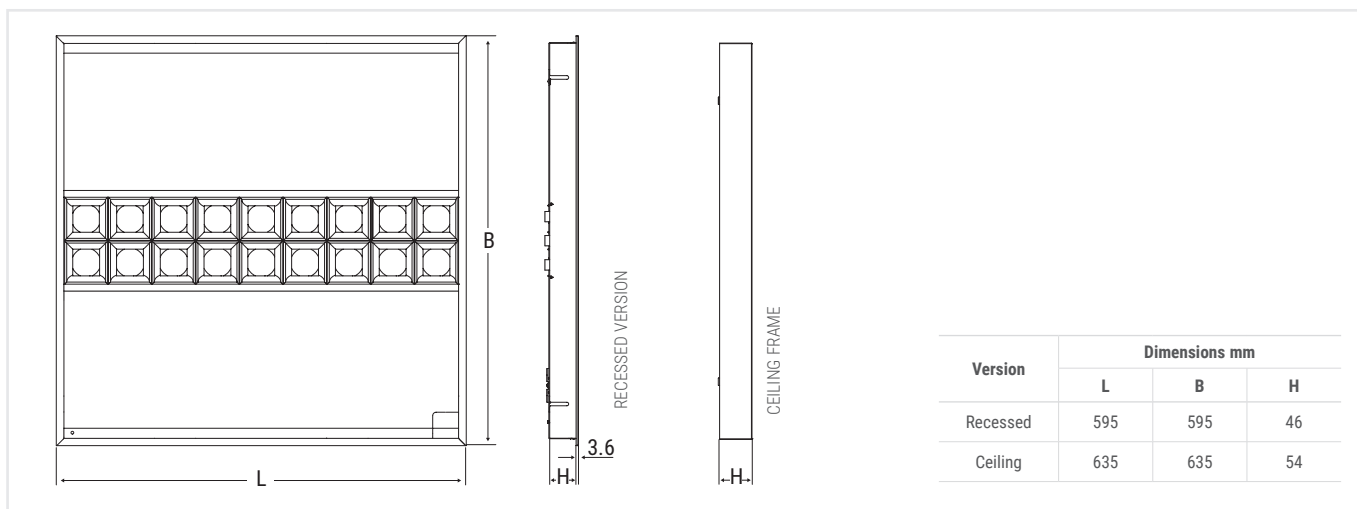
Colour stability 3 SDCM

Mounting recessed, slat, plasterboard, ceiling

Housing Polyester powder-coated pre-galvanised sheet metal, RAL 9003

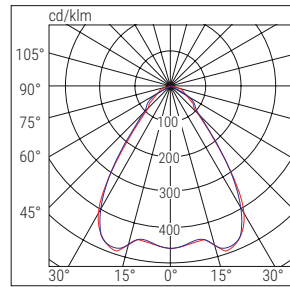
Optics Dark light sheet metal

Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, EN 62471 (biological risk-free) 2014/53/EU



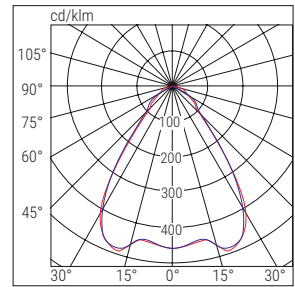
Version	Dimensions mm		
	L	B	H
Recessed	595	595	46
Ceiling	635	635	54

I 418



■ C90-C270 ■ C0-C180

I 418 - IP54




■ C90-C270 ■ C0-C180

	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency m/W	Weight Kg	Packaging Single/ Multi pack	Notes and compliance
SD	I418SD	INC M600 4X18 LED SD 4K	36	4000	>80	4400	4000	110	3.2	1	 AUTO-DIMMER
	I418SDPC	INC M600 4X18 LED SD P IP54 4K	36	4000	>80	4400	3700	100	3.2	1	
	I418SDVT	INC M600 4X18 LED SD V IP54 4K	36	4000	>80	4400	3700	100	3.2	1	


DALI INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY:
 It is possible to create DALI luminaires by integrating the version SD with the accessory Dali Module Order Code 15024
 Example: Order Code I418SD+ 15024 = Luminaire I418SD in the DALI version **DALI**

ACCESSORIES - included

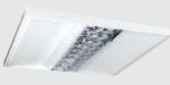


SMART DIMMER LIGHT SENSOR

Order Code **15039**

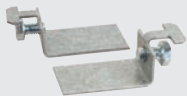


ACCESSORIES - to be ordered separately



CEILING FRAME


Order Code **1232**



PLASTERBOARD FIXING BRACKETS
4 pieces



Order Code **10404**

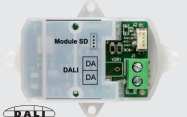
BUILDING AUTOMATION - to be ordered separately



LOGICA SD LGFM CONTROL UNIT


Order Code **21102**







DALI MODULE


Order Code **15024**

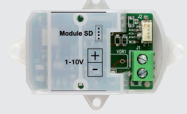




BUILDING AUTOMATION RADIO MODULE


Order Code **15022**






1-10V MODULE


Order Code **15034**





BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**




LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately



INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V


Order Code **19358** (1h)
Order Code **19359** (3h)






INVERTER GL AT/LG AR 15W 55V


Order Code **19391** (LiFe battery)
Order Code **19390** (LTO battery)






INVERTER AT/LG AR 9W 55V


Order Code **19355L** (LiFe battery)





LGFM EMERGENCY MODULE
For AT/LG series inverters only

Order Code **19375**



Downlight IP54



- IP54
- IK05
- ∧ 650°
-
- +40°C
-20°C
- CRI>90
- UGR<19



Downlight with high-efficiency LEDs using SMD technology.



Satin-finish aluminium high bay light with 75° semi-conducting optics, optionally available in white painted or mirror aluminium.

Applications

Services, retail, offices, schools

Characteristics

Power supply

SD 93÷265VAC, 50÷60Hz, 176÷250VDC

ED 230VAC ±10% 50Hz

Power supply - MTBF at 25°C

SD 80,000h **ED** 70,000h

Luminous flux retention at 25°C

>50,000h (L70B20)

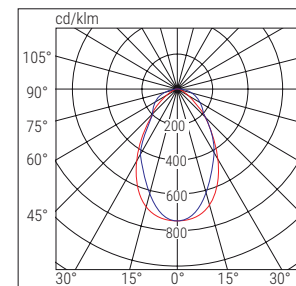
Colour stability 3 SDCM

Mounting recessed, plasterboard

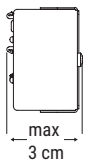
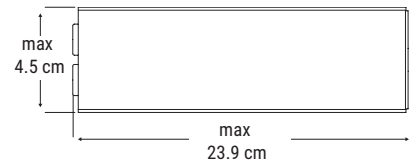
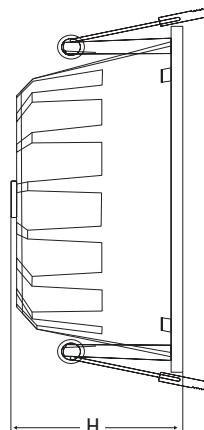
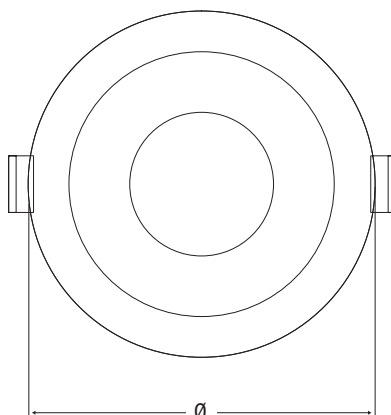
Housing Die-cast aluminium RAL 9016

Optics High-efficiency, satin-finish aluminium (75°)

Compliance EN60598-1, EN60598-2-2, EN 60598-2-22, EN 62471, CAM Minimum Environmental Criteria according to DM 11.01.2017, 2014/53/EU



■ C0-C180
■ C90-C270





Order code	Recessed mounting hole mm	Dimensions mm	
		Ø	H
40324-40304	Ø90	102	68
40325-40305	Ø120	140	68
40326-40306	Ø150	180	90
40327-40307	Ø200	230	120


	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/Multi pack	Notes and compliance	
SD	40324	DWL IP54 10W 75°C90 SAT SD 4K	10	4000	>90	1300	1000	100	0.3	1	75° Optics	AUTO-DIMMER (*)
	40325	DWL IP54 15W 75°C90 SAT SD 4K	15	4000	>90	2000	1500	100	0.5	1	75° Optics	
	40326	DWL IP54 25W 75°C90 SAT SD 4K	25	4000	>90	3300	2500	100	0.7	1	75° Optics	
	40327	DWL IP54 35W 75°C90 SAT SD 4K	35	4000	>90	4600	3500	100	1.2	1/4	75° Optics	
ED	40304	DWL IP54 10W 75°C90 SAT ED 4K	10	4000	>90	1300	1000	100	0.3	1/4	75° Optics	ON / OFF
	40305	DWL IP54 15W 75°C90 SAT ED 4K	15	4000	>90	2000	1500	100	0.5	1/4	75° Optics	
	40306	DWL IP54 25W 75°C90 SAT ED 4K	25	4000	>90	3300	2500	100	0.7	1/4	75° Optics	
	40307	DWL IP54 35W 75°C90 SAT ED 4K	35	4000	>90	4600	3500	100	1.2	1/4	75° Optics	
DALI	INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY: It is possible to create DALI luminaires by integrating the version SD with the accessory Dali Module Order Code 15024 Example: Order Code 40324+ 15024 = Luminaire 40324 in the DALI version											DALI


(*) Function that can be activated by integrating the optional external light sensor Code 21100

BUILDING AUTOMATION - to be ordered separately





LOGICA SD LGFM CONTROL UNIT 

Order Code **21102** 




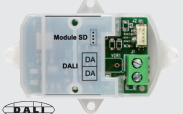
OUTDOOR SMART DIMMER LIGHT SENSOR

Order Code **21100** 





BUILDING AUTOMATION RADIO MODULE

Order Code **15022** 




DALI MODULE

Order Code **15024** 



BUILDING AUTOMATION RADIO TRANSMITTER


Order Code **20104** 




1-10V MODULE


Order Code **15034** 

LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately





INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V

Order Code **19358** (1h)
Order Code **19359** (3h) 





LGFM EMERGENCY MODULE
For AT/LG series inverters only

Order Code **19375** 





INVERTER AT/LG AR 9W 55V
Inverter cover (19376) required for installation

Order Code **19355L** (LiFe battery) 




INVERTER COVER IP65

Order Code **19376** 



INVERTER GL AT/LG AR 15W 55V
Inverter cover (19376) required for installation

Order Code **19391** (LiFe battery)
Order Code **19390** (LTO battery) 

Funzione3



- IP20
IP40
- IK05
- 650°
-
- +40°C
-20°C
- CRI>90
- UGR<19



- Multi-purpose downlight with a revolutionary design and high luminous flux.
- Power supply system adjustable in 4 luminous flux steps to adapt the product to all requirements.
- Variable geometry multi-lens screen with 3 different light beams.
- Decomposable body for recessed or ceiling mounting without accessories. The ED version has the power supply integrated in the luminaire.

Applications

Services, retail, offices, schools

Characteristics

Power supply

SD 93÷265VAC, 50÷60Hz, 176÷250VDC

ED 230VAC ±10% 50Hz

Power supply - MTBF at 25°C 70,000h

Luminous flux retention at 25°C

>70,000h (L80B20)

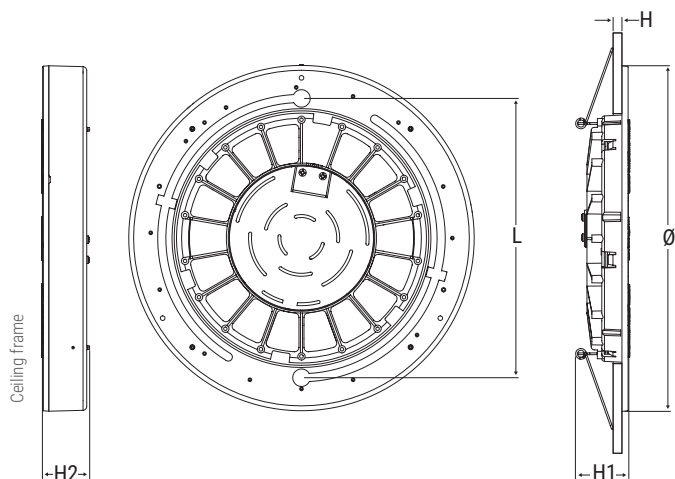
Colour stability 3 SDCM

Mounting plasterboard, ceiling, suspended

Housing Polycarbonate, RAL 9003

Optics PMMA Multi-lens

Compliance EN 60598-1, EN 60598-2-2, EN60598-2-22, EN62471 (photobiological risk-free), CAM Minimum Environmental Criteria according to DM 11.01.2017, 2014/53/EU

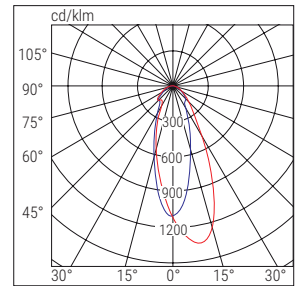


Recessed mounting hole mm	Dimensions mm				
	Ø	H	H1	L	H2
Ø 170÷200	235	6÷25	36	190	32

ONE PRODUCT 27 SOLUTIONS

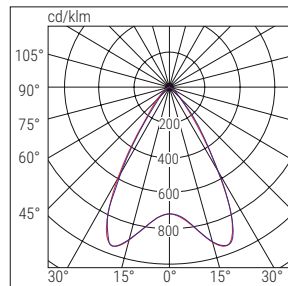
By combining three types of mounting with the possibility of having three built-in optics on a single product, we offer you nine different combinations with a single device, each featuring 3 different colour temperatures: 3000, 4000, 5000K

WALL WASHER ASYMMETRICAL LENS



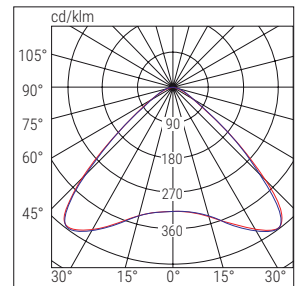
■ C0-C180 ■ C90-C270

CONCENTRATING LENS TYPE DARK LIGHT UGR <19



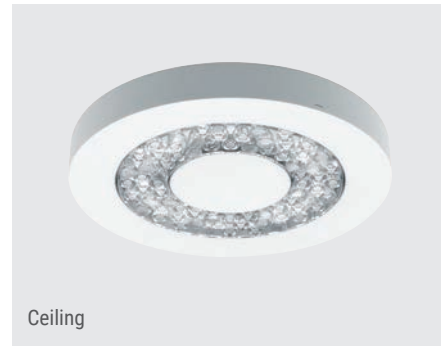
■ C0-C180 ■ C90-C270

DIFFUSING LENS UGR <25



■ C0-C180 ■ C90-C270

MOUNTING



	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack	Notes and compliance
SD	226SD4	FUNZIONE3 226 SD 4000K CRI90	13.5	4000	>90	1900	1500	110	0.5	1	AUTO-DIMMER
	170SD3	FUNZIONE3 170 SD 3000K CRI90	24	3000	>90	3400	2700	110	0.5	1	
ED	226ED4	FUNZIONE3 226 ED 4000K CRI90	13.5	4000	>90	1900	1500	110	0.5	1	ON / OFF
	170ED3	FUNZIONE3 170 ED 3000K CRI90	24	3000	>90	3400	2700	110	0.5	1	
	226EDMC	FUNZIONE3 226 ED MULTICOLOUR CRI90	13.5	3000/4000/5000	>90	1900	1500	110	0.5	1	
	170EDMC	FUNZIONE3 170 ED MULTICOLOR CRI90	24	3000/4000/5000	>90	3400	2700	A++	0.5	1	


DALI INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY:
It is possible to create DALI luminaires by integrating the version **SD** with the accessory **Dali Module** Order Code **15024**
Example: Order Code **226SD4+ 15024** = Luminaire **226SD4** in the **DALI** version

NEXT >

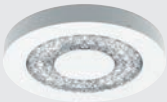
Funzione3


lighting

ACCESSORIES - included



	SMART DIMMER LIGHT SENSOR Order Code 15039	SD
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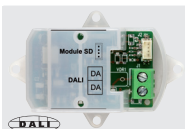
ACCESSORIES - to be ordered separately


	CEILING FRAME (included in the ED version) Order Code 20129	
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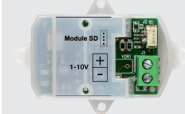
	3-CABLE SUSPENSION Order Code 20128	
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BUILDING AUTOMATION - to be ordered separately

	LOGICA SD LGFM CONTROL UNIT Order Code 21102	 SD
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	DALI MODULE Order Code 15024	SD
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	BUILDING AUTOMATION RADIO MODULE Order Code 15022	SD
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	1-10V MODULE Order Code 15034	SD
--	--	-----------

	BUILDING AUTOMATION RADIO TRANSMITTER Order Code 20104	SD
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LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately (SD version only) **SD**

	INVERTER PLUG&LIGHT SE/SA 1-3h 60-180V (SD version only) Order Code 19367 (1h) Order Code 19371 (3h)	TR
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039 downlight

Rail System Iron

lighting



IP40 IK05 Λ 650° \cup +40°C -20°C



Modular system for 8-pole lighting with the possibility of inserting spotlights for three-phase electrified track.



SD version with integrated radio module available. All modules include the LG Emergency Lighting Bus.



Seven lighting modules are available with different beam angles, both symmetrical and asymmetrical.



Complete components for fast and precise installation. The all-steel connection joints are designed with a precision mechanical coupling.

Applications

Medium to large-sized premises for public sales, large-scale retail trade, retail, offices, showrooms

Characteristics

Power supply

230 VAC \pm 10% 50Hz (Cos $j \geq 0,90$)

Power supply - MTBF at 25°C 80,000h

Luminous flux retention at 25°C

>60,000h (L80B20)

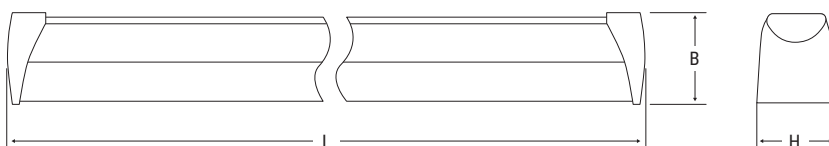
Colour stability 3 SDCM

Mounting ceiling, suspended

Housing Polyester powder-coated pre-galvanised sheet steel, RAL 9010

Optics Clear PMMA lens

Compliance EN 60598-1, EN 60598-2-1, EN 60598-2-22, EN 62471 (biological risk-free) 2014/53/EU



EXAMPLE OF A SINGLE COMPOSITION

- Carrier profile Code 4502
- Double asymmetrical lighting module 50W Code 40520
- 2 x End caps Code 40612

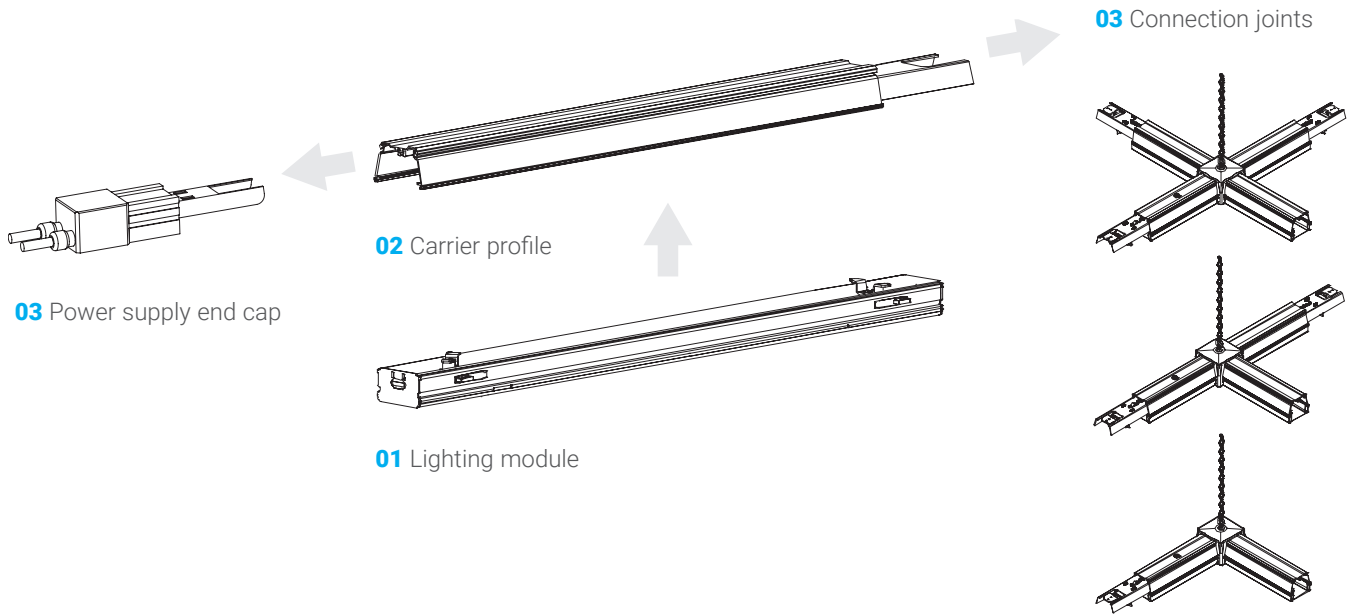
Dimensions mm

L	B	H
1500	73	80

For the dimensions of the individual components in the various versions, please refer to the individual sections below

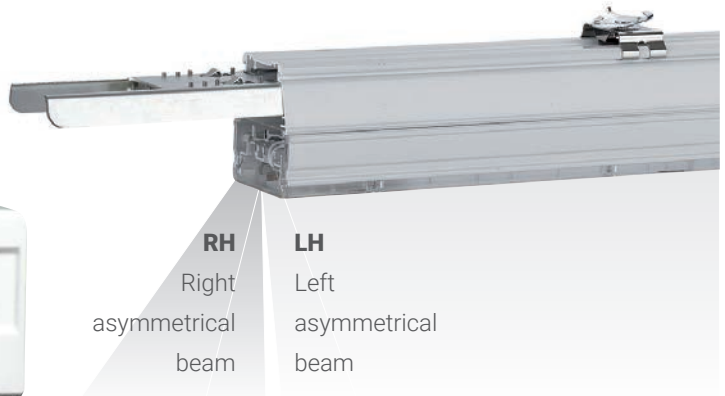
8-POLE PRE-WIRED MODULAR SYSTEM

The project includes pre-wired modular profiles in a single continuous row and a three-phase electrified track, lighting modules with differentiated light emissions, connections and suspension accessories to create all kinds of routes.

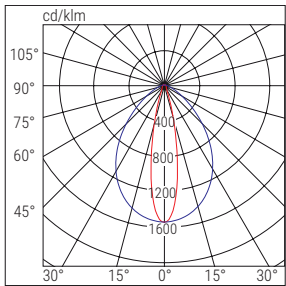


01 LIGHTING MODULE

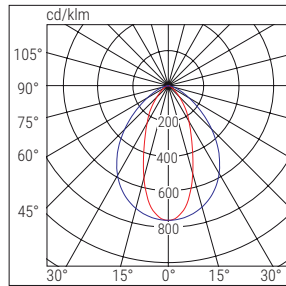
7 different optics to meet most lighting requirements



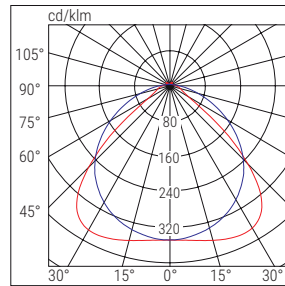
25° - SP



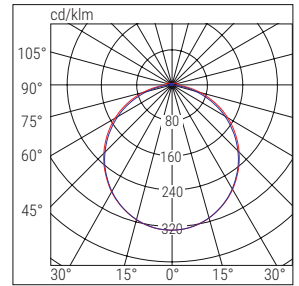
60° - NR



90° - WD

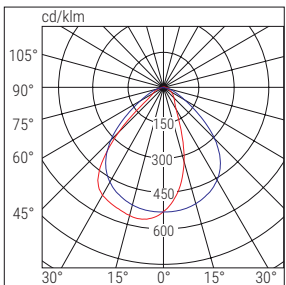


120° - FF

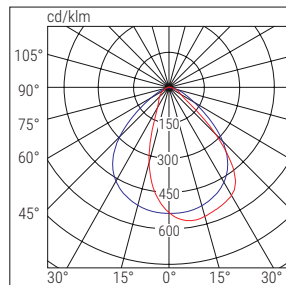


■ C0-C180 ■ C90-C270

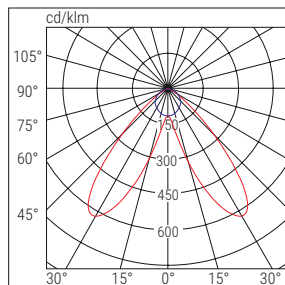
ASYMMETRICAL LH - LS



ASYMMETRIC RH - RS



DOUBLE ASYMM - DS



NEXT >

Rail System Iron

01	Order Code	Description	Optics	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack
SD	40533	RAIL IRON 1500 DS 50W SD 4K	DOUBLE ASYMM.	50	4000	>80	9600	8000	160	1.7	1/10
	40536	RAIL IRON 1500 FF 50W SD 4K	120°	50	4000	>80	9600	8000	160	1.7	1/10
	40530	RAIL IRON 1500 WD 50W SD 4K	90°	35	4000	>80	6700	5600	160	1.7	1/10
	40531	RAIL IRON 1500 SP 50W SD 4K	25°	50	4000	>80	9600	8000	160	1.7	1/10
	40532	RAIL IRON 1500 NR 50W SD 4K	60°	35	4000	>80	6700	5600	160	1.7	1/10
	40534	RAIL IRON 1500 RS 50W SD 4K	ASYMM. RH	50	4000	>80	9600	8000	160	1.7	1/10
	40535	RAIL IRON 1500 LS 50W SD 4K	ASYMM. LH	35	4000	>80	6700	5600	160	1.7	1/10
ED	40513	RAIL IRON 1500 DS 35W ED 4K 0-10V	DOUBLE ASYMM.	35	4000	>80	6700	5600	160	1.7	1/10
	40516	RAIL IRON 1500 FF 35W ED 4K 0-10V	120°	35	4000	>80	6700	5600	160	1.7	1/10
	40520	RAIL IRON 1500 DS 50W ED 4K 0-10V	DOUBLE ASYMM.	50	4000	>80	9600	8000	160	1.7	1/10
	40523	RAIL IRON 1500 FF 50W ED 4K 0-10V	120°	50	4000	>80	9600	8000	160	1.7	1/10
	40510	RAIL IRON 1500 WD 35W ED 4K 0-10V	90°	35	4000	>80	6700	5600	160	1.7	1/10
	40511	RAIL IRON 1500 SP 35W ED 4K 0-10V	25°	35	4000	>80	6700	5600	160	1.7	1/10
	40512	RAIL IRON 1500 NR 35W ED 4K 0-10V	60°	50	4000	>80	9600	8000	160	1.7	1/10
	40514	RAIL IRON 1500 RS 35W ED 4K 0-10V	ASYMM. RH	50	4000	>80	9600	8000	160	1.7	1/10
	40515	RAIL IRON 1500 LS 35W ED 4K 0-10V	ASYMM. LH	35	4000	>80	6700	5600	160	1.7	1/10
	40517	RAIL IRON 1500 WD 50W ED 4K 0-10V	90°	35	4000	>80	6700	5600	160	1.7	1/10
	40518	RAIL IRON 1500 SP 50W ED 4K 0-10V	25°	50	4000	>80	9600	8000	160	1.7	1/10
	40519	RAIL IRON 1500 NR 50W ED 4K 0-10V	60°	50	4000	>80	9600	8000	160	1.7	1/10
	40521	RAIL IRON 1500 RS 50W ED 4K 0-10V	ASYMM. RH	35	4000	>80	6700	5600	160	1.7	1/10
	40522	RAIL IRON 1500 LS 50W ED 4K 0-10V	ASYMM. LH	35	4000	>80	6700	5600	160	1.7	1/10

AUTO-DIMMER (*)

ON / OFF

(*) Function that can be activated by integrating the optional external light sensor Code 21100

02	Type	Order Code	Description	Cable section* mm ²	Dimensions mm			Weight Kg	Packaging Single/ Multi pack
					L	B	H		
CARRIER PROFILES	SIDE-FEED EC TRACK 600mm	40500	RAIL IRON 600 8 WIRE EC	2.5	600	70.2	-	0.7	1/10
	SIDE-FEED EC TRACK 1500mm	40501	RAIL IRON 1500 8 WIRE EC	2.5	1500	70.2	-	1.8	1/10
	SIDE-FEED EC TRACK 3000mm	40504	RAIL IRON 3000 8 WIRE EC	2.5	3000	70.2	-	3.6	1/10
	CENTRAL-FEED CC TRACK 1500mm	40503	RAIL IRON 1500 8 WIRE CC	2.5	1500	70.2	-	1.8	1/10
	CENTRAL-FEED CC TRACK 3000mm	40505	RAIL IRON 3000 8 WIRE CC	2.5	3000	70.2	-	3.6	1/10
	ELECTRIFIED TRACK	40611	SPOT RAIL IRON 1500 7 WIRE		1518	68	21	1.7	1/10

03	Type	Order Code	Description	Weight Kg	Packaging Single/ Multi pack
END CAP AND JOINT CONNECTIONS	40601	RAIL IRON L INL OUTR 8 WIRE			
END CAP AND JOINT CONNECTIONS	40602	RAIL IRON L INR OUTL 8 WIRE S			
END CAP AND JOINT CONNECTIONS	40603	RAIL IRON L POWER 2OUT 8 WIRE			
T-JOINT	40604	RAIL IRON T 1INL 2OUTR 8 WIRE			
T-JOINT	40605	RAIL IRON T 1INR 2OUTL 8 WIRE			
T-JOINT	40606	RAIL IRON T 1INC 2OUTS 8 WIRE			
T-JOINT	40607	RAIL IRON T POWER 3OUT 8 WIRE			
X-JOINT	40608	RAIL IRON X 1 IN 3OUT 8 WIRE			
X-JOINT	40609	RAIL IRON X POWER 4OUT 8 WIRE			



Continuous row installation

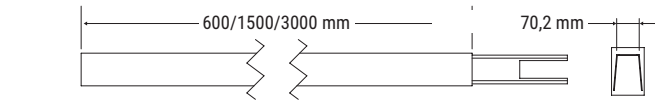
02 CARRIER PROFILES



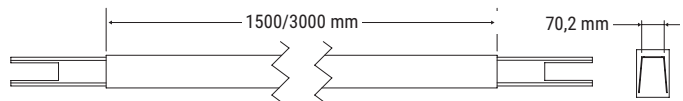
PRE-WIRED CARRIER PROFILE

Male-female plug-in system with steel interlocking and through-wiring installed. Available in various lengths: 600, 1500, 3000 mm

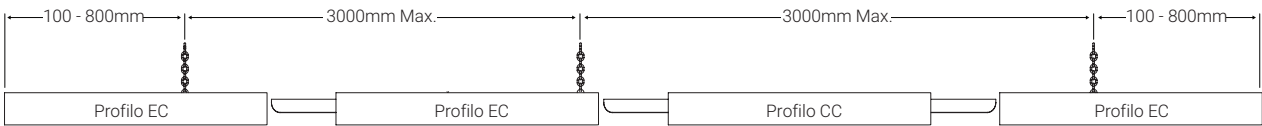
The indicated quantities and length values refer to each phase. The electrified track consists of 3 phases, 1 neutral, Ground + 3 wires that can be used to power an emergency lighting system and/or a BUS (Dali or Logica LG)



EC track

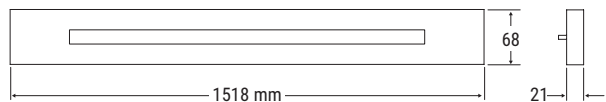


CC track



ELECTRIFIED TRACK MODULE

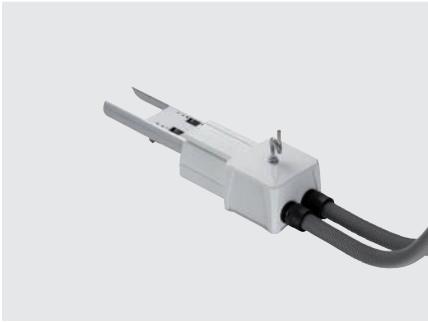
Pre-wired module complete with three-phase electrified track. For this use, UPLED and UPLED BANDIERA is available - a range of emergency luminaires prepared for electrical and mechanical wiring by means of an accessory to be ordered separately (Order Code 4319).



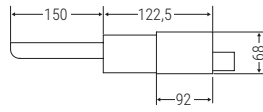
Emergency lighting with Up Led

Rail System Iron

03 END CAP AND CONNECTION JOINTS



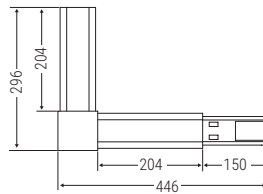
POWER SUPPLY END CAP



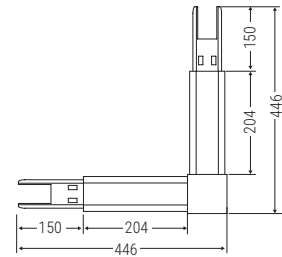
Order Code **40600**



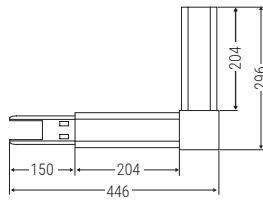
JOINT CONNECTIONS



Order Code **40601**



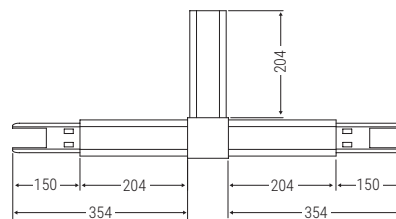
Order Code **40603**



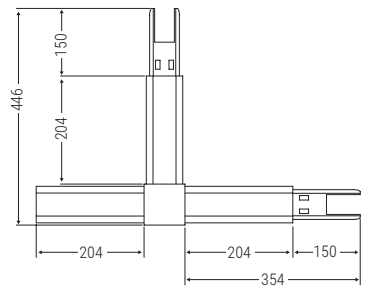
Order Code **40602**



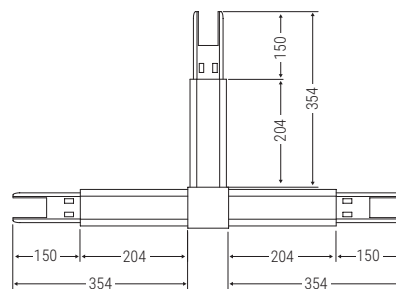
T-JOINT



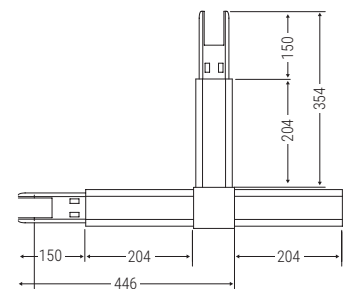
Order Code **40606**



Order Code **40604**



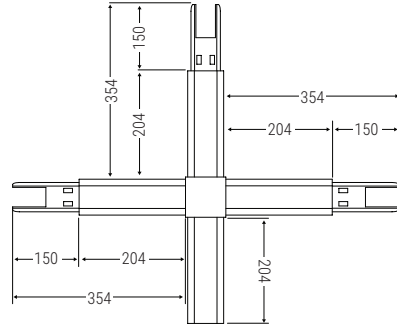
Order Code **40607**



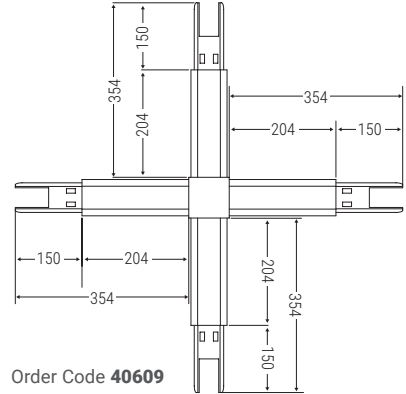
Order Code **40605**



X-JOINT





Order Code **40608**

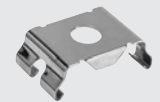



Order Code **40609**


ACCESSORIES - included


	<p>SD RADIO / 1 -10V INTERFACE</p> <p>Order Code 40608</p> 
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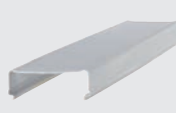
ACCESSORIES - to be ordered separately


	<p>CEILING BRACKET</p> <p>Order Code 40618</p>
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	<p>SLATTED BRACKET</p> <p>Order Code 40617</p>
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	<p>BRACKET WITH 3M STEEL CABLE</p> <p>Order Code 40615</p>
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	<p>BRACKET WITH 3M CABLE</p> <p>Order Code 40616</p>
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	<p>COVER PC 1500</p> <p>Order Code 40614</p>
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	<p>END CAP</p> <p>Order Code 40612</p>
---	--



	<p>THREE-PHASE TRACK END CAP</p> <p>Order Code 40613</p>
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	<p>8-PIN POWER CONNECTOR</p> <p>Order Code 40610</p>
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BUILDING AUTOMATION - to be ordered separately

	<p>LOGICA SD LGFM CONTROL UNIT</p> <p>Order Code 21102</p>  
--	--

	<p>BUILDING AUTOMATION RADIO TRANSMITTER</p> <p>Order Code 20104</p> 
---	--

	<p>OUTDOOR SMART DIMMER LIGHT SENSOR</p> <p>Order Code 21100</p> 
--	--

Lens Fila



- Continuous row with high luminous flux.
- Emission-controlled multi-lens system.
- Feed-through wiring and quick access to the terminal block.

Applications

Services, retail

Characteristics

Power supply

SD 93÷265VAC 50÷60Hz 176÷250VDC

ED 230VAC ±10% 50Hz

Power supply - MTBF at 25°C 80,000h

Luminous flux retention at 25°C

>60,000h (L80B20)

Colour stability 3 SDCM

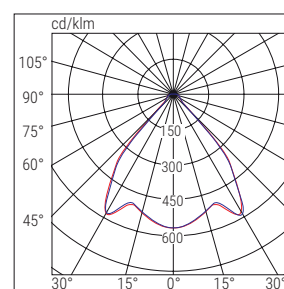
Mounting ceiling, suspended

Housing Steel painted RAL 9003

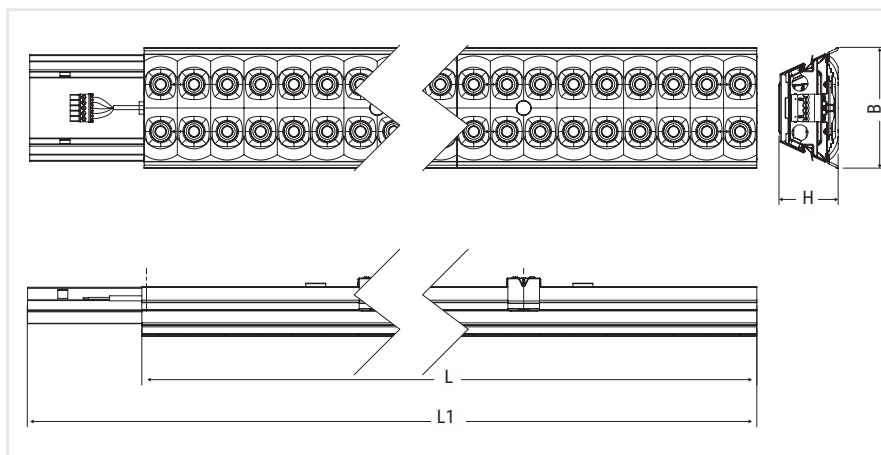
Optics Clear PMMA

Compliance EN60598-1, EN60598-2-1, EN 60598-2-22, EN 62471 (biological risk-free) 2014/53/EU

* Single luminaire



■ C0-C180
■ C90-C270



NUMBER OF LAMPS IN CONTINUOUS ROW PER PHASE


Size	No. of lamps 230VAC	Cable cross-section mm ²	Line length m 230VAC
S	-	2.5	-
M	46	2.5	52
L	37	2.5	52

Size	Dimensions mm			
	L	L1	B	H
S	569	719	114	56
M	1138	1288	114	56
L	1422	1572	114	56

	Size	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack	Notes and compliance
SD	S	LF218SD*	LENS FILA LED 2x18 SD 4K	30	4000	≥80	4700	4000	133	1.3	1	AUTO-DIMMER
	M	LF236SD	LENS FILA LED 2x36 SD 4K	60	4000	≥80	9300	8000	133	2.5	1	
	L	LF280SD	LENS FILA LED 2x80 SD 4K	74	4000	≥80	11600	9900	134	3.5	1	
ED	S	LF218ED*	LENS FILA LED 2x18 ED 4K	27	4000	≥80	4200	3600	134	1.3	1	ON / OFF
	M	LF236ED	LENS FILA LED 2x36 ED 4K	54	4000	≥80	8600	7300	136	1	1	
	L	LF280ED	LENS FILA LED 2x80 ED 4K	67	4000	≥80	10500	9000	135	1	1	
DALI	INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY: It is possible to create DALI luminaires by integrating the version SD with the accessory Dali Module Order Code 15024 Example: Order Code LF218SD+ 15024 = Luminaire LF218SD in the DALI version											DALI


* Products can be installed ONLY at the beginning of a row and ALWAYS with code 20138 - NOT with codes 20126 and 20134

ACCESSORIES - included




SMART DIMMER LIGHT SENSOR

Order Code **15039**




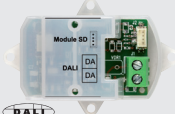
BUILDING AUTOMATION - to be ordered separately



LOGICA SD LGFM CONTROL UNIT


Order Code **21102**




DALI MODULE


Order Code **15024**

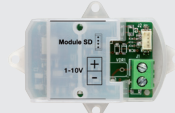




BUILDING AUTOMATION RADIO MODULE


Order Code **15022**






1÷10V MODULE


Order Code **15034**



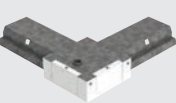


BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**

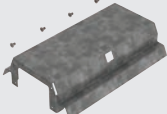


ACCESSORIES - to be ordered separately




JUNCTION BOX

Order Code **20126**



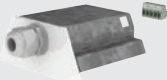
JUNCTION BOX BRACKET

Order Code **20134**



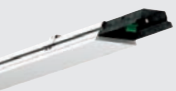
SUSPENDED MOUNTING KIT

Order Code **20127** (1,5m)
Order Code **20133** (3m)



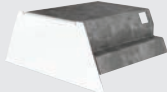
POWER SUPPLY END CAP

Order Code **20138**




5-POLE DUMMY MODULE

Order Code **20135** (600mm)
Order Code **20136** (1200mm)
Order Code **20137** (1500mm)




END CAP

Order Code **20139**



5-PIN CONNECTOR F 90° L1 N L2 T L3

Order Code **20141** (male)
Order Code **20140** (female)



5-POLE CONNECTOR F-DP 90° L1 N L2 T L3


Order Code **20142** (female)

NEXT >

Lens Fila

lighting

ACCESSORIES - to be ordered separately




CABLE WITH 5-PIN F-CONNECTOR

Order Code **20144** (female)



CABLE WITH 5-PIN M/F CONNECTOR

Order Code **20146** (male-female)



CABLE WITH 5-PIN DOUBLE F CONNECTOR


Order Code **20145** (female)



CABLE WITH 5-PIN CONNECTOR 2X F/F

Order Code **20147** (female-female)

LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately



INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V

Order Code **19358** (1h)
Order Code **19359** (3h)


TR



INVERTER GL AT/LG AR 15W 55V

Order Code **19391** (LiFe battery)
Order Code **19390** (LTO battery)

AT LG



INVERTER AT/LG AR 9W 55V

Order Code **19355L** (LiFe battery)

AT LG



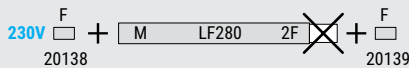
LGFM EMERGENCY MODULE
For AT/LG series inverters only

Order Code **19375**

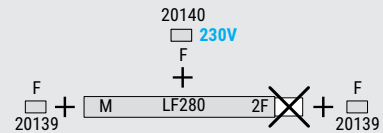
LGFM

COMPONENTS REQUIRED FOR DIFFERENT MOUNTING CONFIGURATIONS

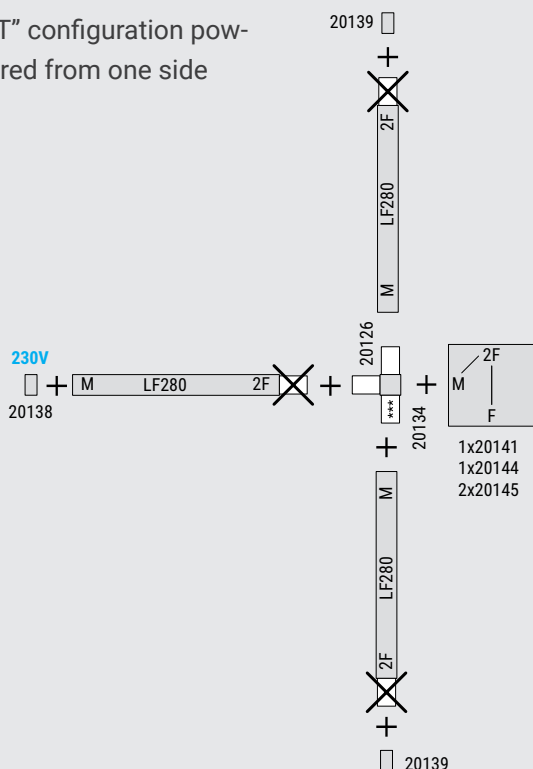
Single luminaire powered from one side



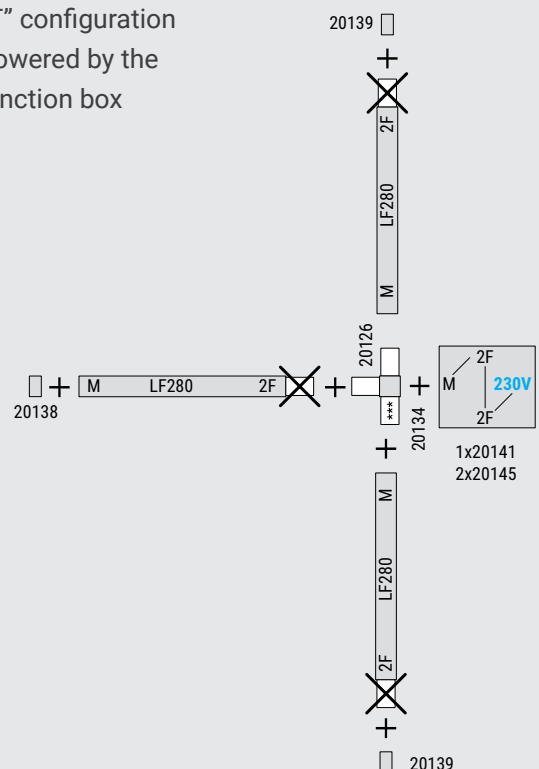
Single luminaire powered from above



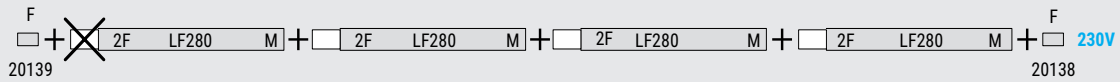
"T" configuration powered from one side



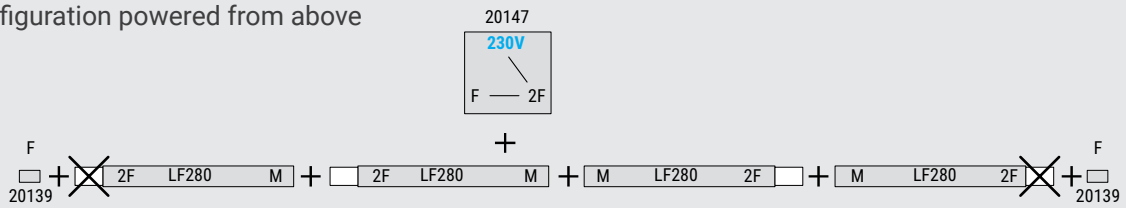
"T" configuration powered by the junction box



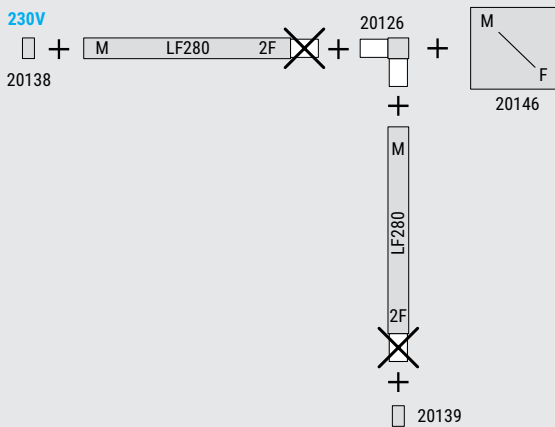
In-line configuration powered from one side



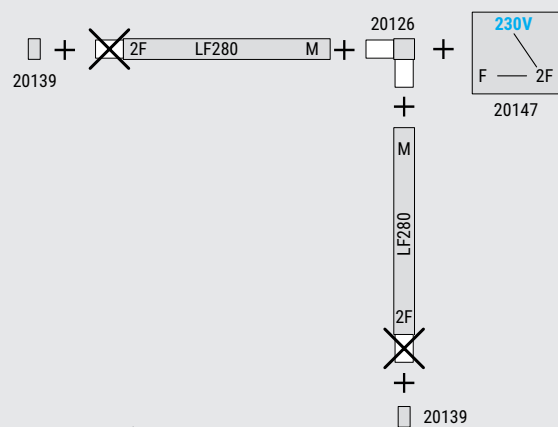
In-line configuration powered from above



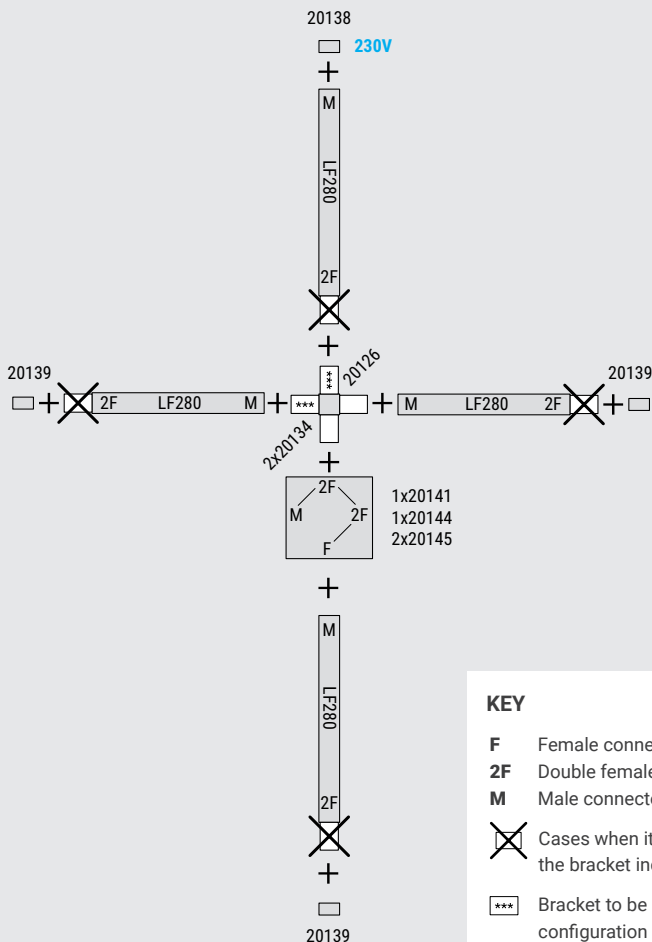
"L" configuration powered from one side



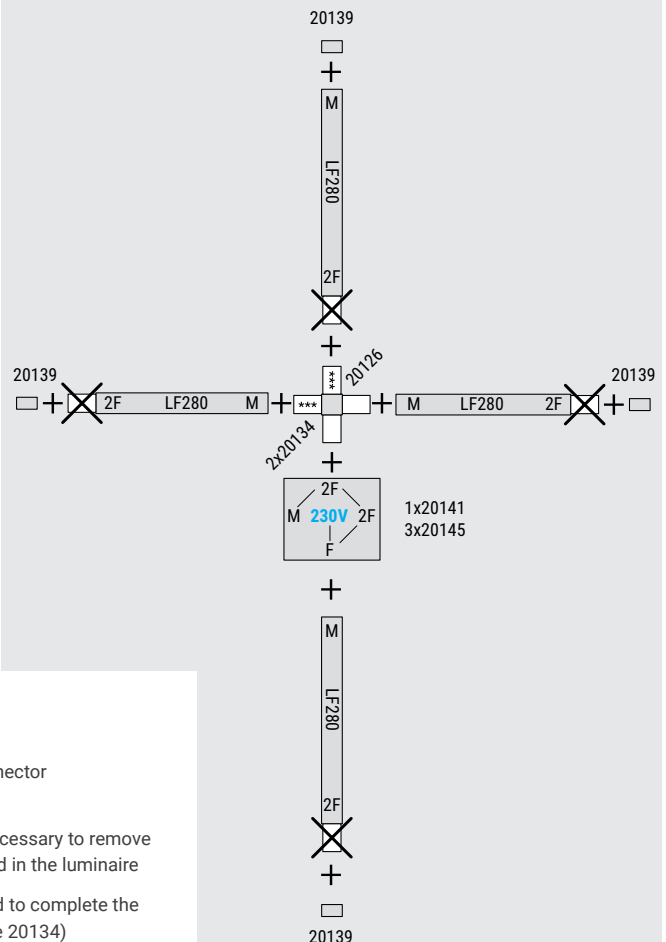
"L" configuration powered by the junction box



"X" configuration powered from one side



"X" configuration powered by the junction box



KEY

- F** Female connector
- 2F** Double female connector
- M** Male connector
- Cases when it is necessary to remove the bracket included in the luminaire
- Bracket to be added to complete the configuration (Code 20134)

P236/258

lighting



LED efficiency of up to more than 110 lm/W.



Anti-glare polished aluminium blade optics UGR<19.



Feed-through wiring and accessories for mechanical fastening in continuous rows.

Applications

Services, retail, offices, schools

Characteristics

Power supply

SD Universal Multi Voltage 93÷265VAC
50÷60Hz, 176÷250VDC

Power supply - MTBF at 25°C 65,000h

Luminous flux retention at 25°C

>70,000h (L80B20)

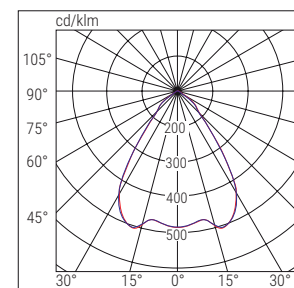
Colour stability 3 SDCM

Mounting ceiling, suspended

Housing Polyester powder-coated pre-galvanised sheet steel, RAL 9003

Optics Dark light blades

Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, EN 62471 (biological risk-free) 2014/53/EU



■ C90-C270
■ C0-C180

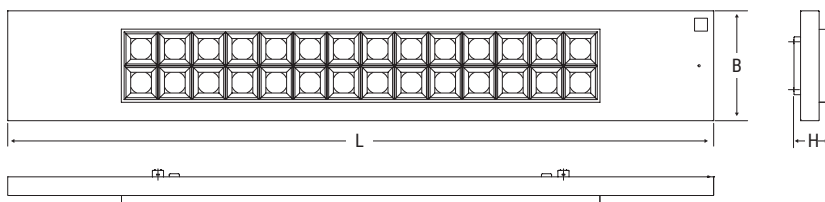
IP20

IK05

960°

+40°C
-20°C

UGR<19



Dimensions mm

L	B	H
1327	202	70

050


	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack	Notes and compliance
SD	P236SD	CEILING LED 2x36 SD 4K	36	4000	>80	4800	4000	111	4.6	1	
	P258SD	CEILING LED 2x58 SD 4K	47	4000	>80	6160	5100	109	4.6	1	

AUTO-DIMMER

DALI **INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY:**
 It is possible to create DALI luminaires by integrating the version **SD** with the accessory **Dali Module** Order Code **15024**
 Example: Order Code **P236SD+ 15024** = Luminaire **P236SD** in the DALI version


DALI

ACCESSORIES - included




SMART DIMMER LIGHT SENSOR

Order Code **15039**



ACCESSORIES - to be ordered separately




SINGLE SUSPENSION

Order Code **20080**




SUSPENSION+SINGLE MAINS CABLE

Order Code **20081**



CONTINUOUS ROW BRACKET SUSPENSION/BRACKET + CABLE

Order Code **20087**



THREE-PHASE FEED-THROUGH CABLE


Order Code **20088**

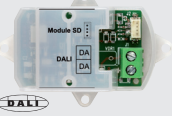
BUILDING AUTOMATION - to be ordered separately



LOGICA SD LGFM CONTROL UNIT


Order Code **21102**




DALI MODULE


Order Code **15024**

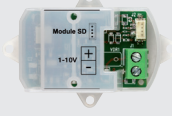




BUILDING AUTOMATION RADIO MODULE


Order Code **15022**






1÷10V MODULE


Order Code **15034**






BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**




LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately



INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V

Order Code **19358** (1h)
 Order Code **19359** (3h)






INVERTER GL AT/LG AR 15W 55V


Order Code **19391** (LiFe battery)
 Order Code **19390** (LTO battery)





INVERTER AT/LG AR 9W 55V

Order Code **19355L** (LiFe battery)





LGFM EMERGENCY MODULE
 For AT/LG series inverters only

Order Code **19375**



BS 100

lighting



IP65

IK05

850°

+40°C
-20°C



Polycarbonate housing with best-in-class mechanical properties, luminous flux up to over 9,600 lm.



Power supply system adjustable in 4 luminous flux steps to adapt the product to all requirements.



Anti-glare screen for the control of the luminous flux. Specific version for places with particularly low ceilings such as car parks (Parking).



Polyurethane sealing gasket with technopolymer snap hooks.

Applications

Industry, garages, gymnasiums, outdoor areas, HACCP areas

Characteristics

Power supply

SD Universal Multi Voltage 93÷265VAC
50÷60Hz, 176÷250VDC

ED 230VAC ± 10% 50/60Hz

Power supply - MTBF at 25°C 65,000 h

Luminous flux retention at 25°C

60,000 (L80B20)

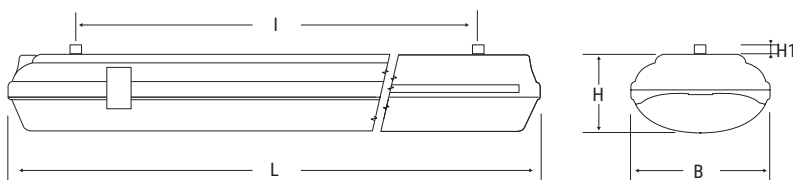
Colour stability 3 SDCM

Mounting Ceiling, suspended, electrified track

Housing Polycarbonate, RAL 7035

Optics Reflective white powder-coated steel

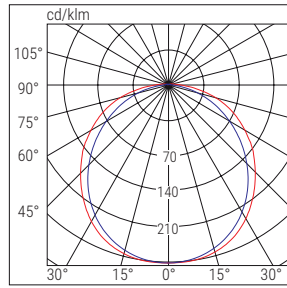
Compliance EN 60598-1, EN 60598-2-1, EN 60598-2-22, DIN 18032-3:1997-04, EN 62471 (Photobiological risk-free), 2014/53/EU



Size	Dimensions mm				
	L	B	H	H1	I
S	671	170	95	10	475
M	1280	170	95	10	660
L	1581	170	95	10	900

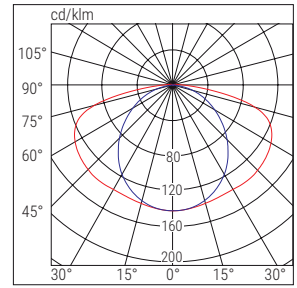
052

BS 100



■ C180-C270 ■ C90-C270

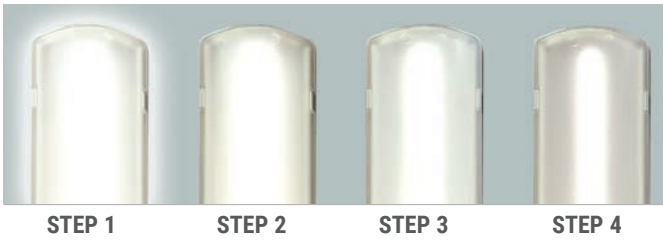
BS 100 PARKING



■ C0-C180 ■ C90-C270

	Size	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency m/W	Weight Kg	Packaging Single/Multi pack	Notes and compliance
SD	S	118SD	BS100 LED 1X18 SD 4K	11	4000	>80	1900	1560	142	1.4	1	
	S	218SD	BS100 LED 2X18 SD 4K	22	4000	>80	3300	3000	136	1.4	1	
	M	136SD	BS100 LED 1X36 SD 4K	23	4000	>80	4000	3300	143	2.3	1	
	M	236SD	BS100 LED 2X36 SD 4K	46	4000	>80	7000	6100	133	2.3	1	
	L	158SD	BS100 LED 1X58 SD 4K	32	4000	>80	5000	4500	141	2.7	1	
	L	258SD	BS100 LED 2X58 SD 4K	64	4000	>80	9250	8350	130	2.7	1	
	L	280SD	BS100 LED 2X80 SD 4K	74	4000	>80	11000	9600	130	2.7	1	
M	236PSD	BS100 LED PARKING 2X36 SD 4K	52	4000	>80	7750	6200	119	2.3	1	Parking	
RD	S	40003	BS100 LED ADJUSTABLE S670 4K	41	4000	>80	6650	5500	134	1.4	1	
	M	40004	BS100 LED ADJUSTABLE M1280 4K	53	4000	>80	8100	7000	132	2.3	1	
	L	40005	BS100 LED ADJUSTABLE L1580 4K	59	4000	>80	9150	8000	136	2.7	1	
DALI	INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY: It is possible to create DALI luminaires by integrating the version SD with the accessory Dali Module Order Code 15024 Example: Order Code 118SD + 15024 = Luminaire 118SD in the DALI version											

RD VERSIONS, MANUALLY ADJUSTABLE FLUX/POWER AT 4 STEPS



Flux/Power	S			M			L		
	lm	W	lm/W	lm	W	lm/W	lm	W	lm/W
STEP 1	5500	41	134	7000	53	132	8000	59	136
STEP 2	5000	36	139	6500	47	138	7500	53	142
STEP 3	4500	32	141	6000	44	136	7000	50	140
STEP 4	3500	25	140	5500	39	141	6500	45	144

The lighting system must consider both the required level of lighting obtained from the lighting calculation and the power saving needs. BS100 LED Adjustable allows you to achieve this result thanks to its driver equipped with a 4-step current modulation switch that provides maximum luminous efficiency and, therefore, maximum power saving, while respecting the luminous flux determined in the design phase.

BS 100

lighting


SPECIAL VARIANTS - on request

COLOUR TEMPERATURE 3000K and 6000K - CHROMATIC YIELD >90 - MICROWAVE MOTION SENSOR

ACCESSORIES - included




CABLE GLAND M20

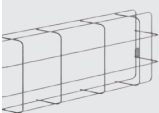


SMART DIMMER LIGHT SENSOR

Order Code **15039**




ACCESSORIES - to be ordered separately



PROTECTIVE GRILLE


Order Code **3905** Vers. S - 685 x 182 x 110 mm
Order Code **8063** Vers. M/L - 1700 x 291 x 135 mm

Installation note
When installing grilles with the luminaire installed on a bus bar, use: Bracket **8063/1** for the M version - Bracket **8063/2** for the L version



STEEL HOOK KIT


Order Code **3505** Vers. S - 4 pieces
Order Code **3506** Vers. M - 8 pieces
Order Code **3507** Vers. L - 10 pieces




WALL-MOUNTED BRACKETS

Order Code **3504**


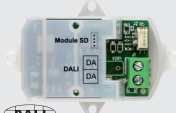
BUILDING AUTOMATION - to be ordered separately



LOGICA SD LGFM CONTROL UNIT





Order Code **21102**


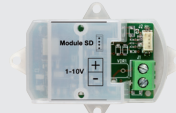
DALI MODULE

Order Code **15024**



BUILDING AUTOMATION RADIO MODULE

Order Code **15022**


1-10V MODULE

Order Code **15034**





BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**




LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately





INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V

Order Code **19358** (1h)
Order Code **19359** (3h)






INVERTER GL AT/LG AR 15W 55V

Order Code **19391** (LiFe battery)
Order Code **19390** (LTO battery)


INVERTER AT/LG AR 9W 55V

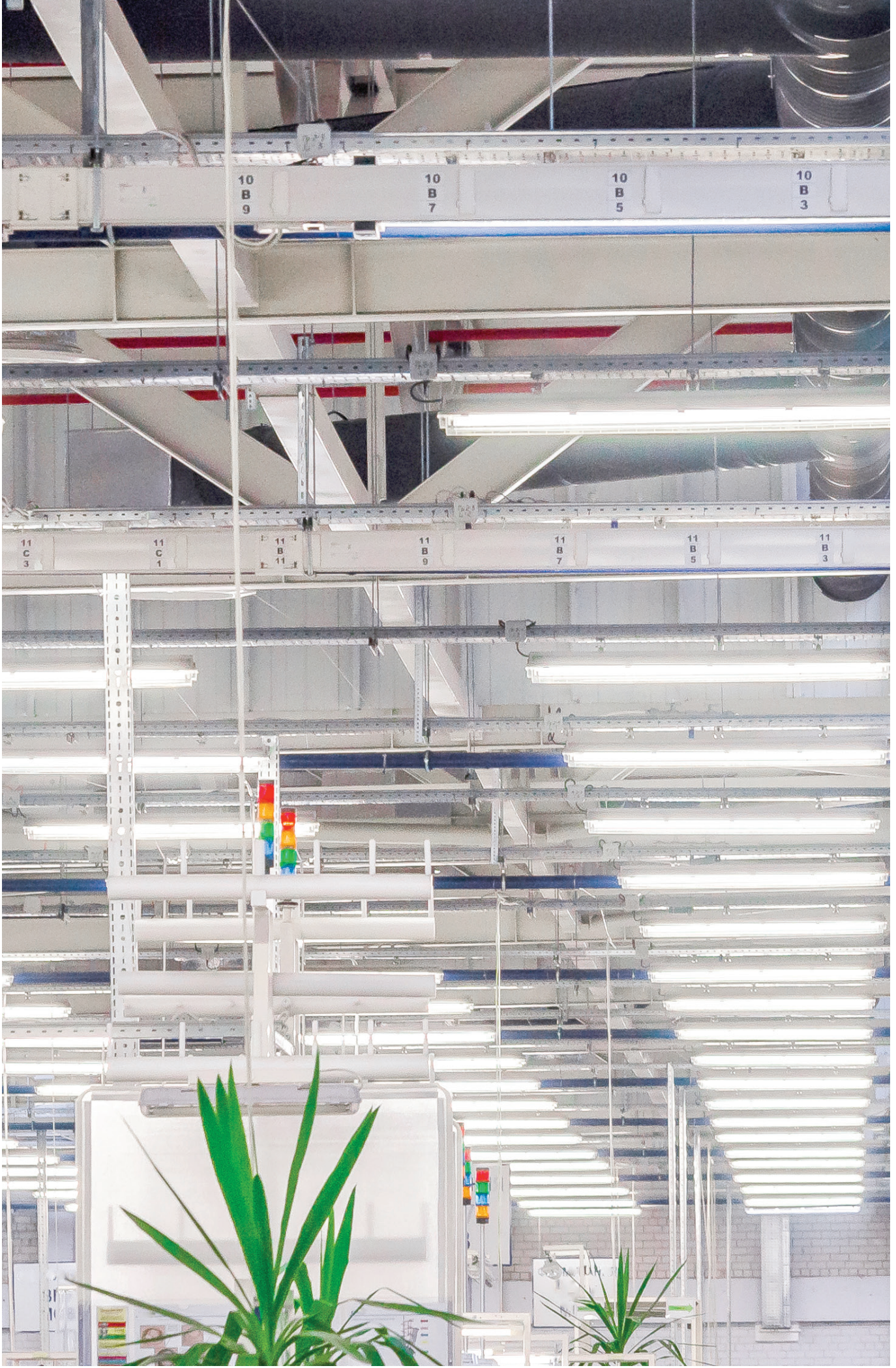
Order Code **19355L** (LiFe battery)

LGFM EMERGENCY MODULE
For AT/LG series inverters only

Order Code **19375**





055 waterproof ceiling lights

Acciaio

lighting



IP66
IK09
950°
SD DERATING
+50°C
-30°C
RD
+40°C
-20°C
Ex



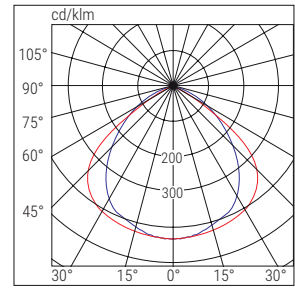
- High robustness for applications in high-risk areas
- Independent cell optical design to increase beam control and maximise illuminance levels up to 20% higher than conventional optics

Applications

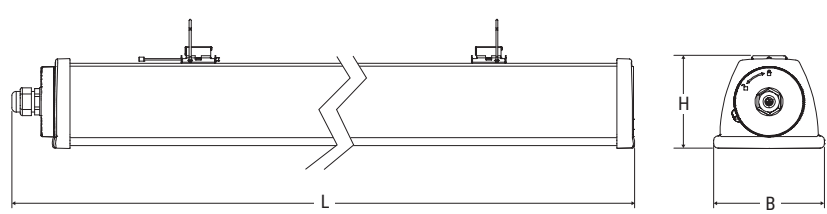
Industry - for heavy-duty and high-risk installations, outdoor environments

Characteristics

- Power supply**
- SD** Universal Multi Voltage
93÷265 VAC - 50/60Hz 176÷250 VDC
- RD** 230VAC ±10% 50 Hz
- Power supply - MTBF a 25°C** 80,000 h
- Luminous flux retention at 25°C**
- >60,000h (2x versions) (L80B20)
- >70,000h (1x versions) (L80B20)
- Colour stability** 3 SDCM
- Mounting** Ceiling, suspended, electrified track
- Housing** Painted steel, RAL7035
- Optics** Anti-glare aluminium cells
- Screen** Tempered glass prism
- Compliance** EN 60598-1, EN 60598-2-1, EN 60598-2-22, DIN 18031-3, EN 62471 (photobiological risk-free), ATEX 2014/34/EU, 2014/53/EU



■ CO-C180
■ C09-C270



Size	Dimensions mm		
	L	B	H
M	1225	108	90
L	1565	108	90

	Size	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/Multi pack	Notes and compliance
SD	M	A136ESD	STEEL AND LED 1X36 SD 4K	20	4000	>80	3150	2700	135	3.2	1	
	M	A236ESD	STEEL AND LED 2X36 SD 4K	35	4000	>80	5570	4700	135	3.2	1	
	M	A158ESD	STEEL AND LED 1X58 SD 4K	29	4000	>80	4400	3800	131	3.2	1	
	M	A258ESD	STEEL AND LED 2X58 SD 4K	52	4000	>80	8350	7000	135	3.2	1	
	L	A280ESD	STEEL TOP LED 2X80 SD 4K	74	4000	>80	11800	9900	135	3.9	1	
RD	M	A236ED	STEEL LED ADJUSTABLE 2x36 4K	36	4000	>80	5400	4400	122	3.2	1	
	M	A258ED	STEEL LED ADJUSTABLE 2x58 4K	52	4000	>80	8050	6400	123	3.2	1	
DALI	INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY: It is possible to create DALI luminaires by integrating the version SD with the accessory Dali Module Order Code 15024 Example: Order Code A136ESD + 15024 = Luminaire A136ESD in the DALI version											

RD VERSIONS, MANUALLY ADJUSTABLE FLUX/POWER AT 4 STEPS




Flux/Power	Order A236ED			Order A258ED		
	lm	W	lm/W	lm	W	lm/W
STEP 1	4400	36	122	6400	52	123
STEP 2	3800	31	122	5500	45	122
STEP 3	3200	26	123	4600	37	124
STEP 4	2600	21	124	3700	30	123

The lighting system must consider both the required level of lighting obtained from the lighting calculation and the power saving needs. Steel Adjustable allows you to achieve this result thanks to its driver equipped with a 4-step current modulation switch that provides maximum luminous efficiency and, therefore, maximum power saving, while respecting the luminous flux determined in the design phase.

SPECIAL VARIANTS - on request


CHROMATIC YIELD ≥ 90 - COLOUR TEMPERATURE - THREE-PHASE ELECTRIFIED FEED-THROUGH - POLYCARBONATE DIFFUSER (HACCP)

ACCESSORIES - included




SMART DIMMER LIGHT SENSOR

Order Code **15040**




ACCESSORIES - to be ordered separately



DIFFUSING SCREEN 1200 - 1500

Order Code **20107** (1200) - **20113** (1500)



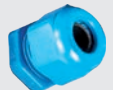
SWIVEL BRACKET
2 pieces

Order Code **20122**



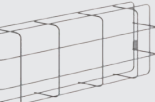
DOUBLE INLET FITTING M20

Order Code **15019**



ATEX STEEL KIT
(Included in the 2x80 version)

Order Code **15018**



PROTECTIVE GRILLE

Order Code **8063** Vers. M/L - 1700 x 291 x 135 mm

Installation note
When installing grilles with the luminaire installed on a bus bar, use: Bracket **8063/1** for the M version - Bracket **8063/2** for the L version

NEXT >

Acciaio











lighting

BUILDING AUTOMATION - to be ordered separately

	<p>LOGICA SD LGFM CONTROL UNIT </p> <p>Order Code 21102 </p>		<p>DALI MODULE</p> <p>Order Code 15024 </p>
	<p>BUILDING AUTOMATION RADIO TRANSMITTER</p> <p>Order Code 20104 </p>		<p>1÷10V MODULE</p> <p>Order Code 15034 </p>
	<p>BUILDING AUTOMATION RADIO MODULE</p> <p>Order Code 15022 </p>		



LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately (SD version only)



	<p>INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V</p> <p>Order Code 19358 (1h) Order Code 19359 (3h) </p>		<p>INVERTER GL AT/LG AR 15W 55V</p> <p>Order Code 19391 (LiFe battery)   Order Code 19390 (LTO battery)</p>
	<p>INVERTER AT/LG AR 9W 55V</p> <p>Order Code 19355L (LiFe battery)  </p>		<p>LGFM EMERGENCY MODULE For AT/LG series inverters only</p> <p>Order Code 19375 </p>

LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately (RD version only)



	<p>INVERTER PLUG&LIGHT SE/SA 1-3h 60-180V</p> <p>Order Code 19367 (1h) Order Code 19371 (3h) </p>
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059 waterproof ceiling lights

Acciaio Extreme

lighting



IP66
IK09
950°
DERATING +50°C -30°C
Ex



Maximum mechanical and chemical resistance. Luminaire designed to withstand vibration and magnetic disturbance



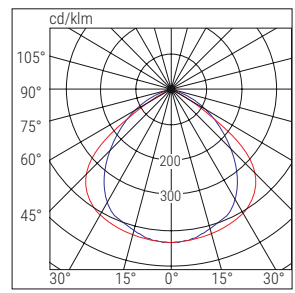
Anti-glare system with aluminium cells and micro-prismatic glass screen

Applications

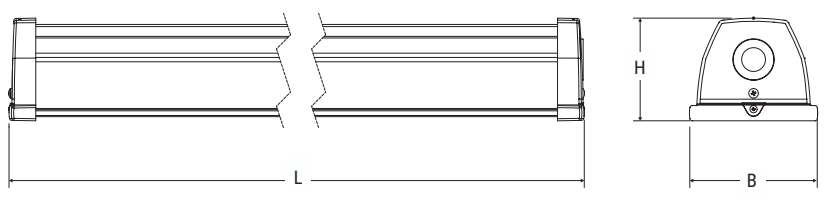
Industry, also outdoor, for particularly heavy and high-risk systems, also resistant to mechanical vibrations and electromagnetic disturbances

Characteristics

- Power supply** Universal Multi Voltage 93÷265 VAC - 50/60Hz 176÷250 VDC
- Power supply - MTBF a 25°C** 80,000 h
- Luminous flux retention at 25°C** >60,000h (L80B20)
- Colour stability** 3 SDCM
- Mounting** Ceiling, suspended, electrified track
- Housing** Stainless Steel AISI 304
- Optics** Anti-glare aluminium cells
- Screen** Tempered glass prism
- Compliance** EN 60598-1, EN 60598-2-1, EN 60598-2-22, DIN 18031-3, EN 62471 (photobiological risk-free), ATEX 2014/34/EU (Zone 02 and 22), 2014/53/EU



■ C0-C180
■ C90-C270



Size	Dimensions mm		
	L	B	H
M	1199	109	88
L	1484	109	88

	Size	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/Multi pack	Notes and compliance
SD	M	A236EXSD	STEEL EX LED 2x36 SD 4K	35	4000	≥80	5500	4700	135	3.3	1	Ex
	M	A258EXSD	STEEL EX LED 2x58 SD 4K	52	4000	≥80	8200	7000	135	3.3	1	Ex
	L	A280EXSD	STEEL EX LED 2x80 SD 4K	74	4000	≥80	11600	9900	135	4	1	Ex

AUTO-DIMMER

DALI **INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY:**
 It is possible to create DALI luminaires by integrating the version **SD** with the accessory **Dali Module** Order Code **15024**
 Example: Order Code **A236EXSD + 15024** = Luminaire **A236EXSD** in the DALI version

DALI

SPECIAL VARIANTS - on request

CHROMATIC YIELD ≥90 - COLOUR TEMPERATURE ON REQUEST - VERSION WITH POLYCARBONATE DIFFUSER FOR HACCP ENVIRONMENTS

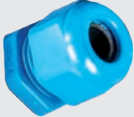
ACCESSORIES - included



SMART DIMMER LIGHT SENSOR

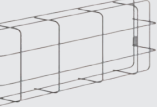
Order Code **15040**





ATEX CABLE GLAND - FEED-THROUGH KIT

ACCESSORIES - to be ordered separately




PROTECTIVE GRILLE

Order Code **8063** Vers. M/L - 1700 x 291 x 135 mm


Installation note

To mount grilles with the luminaire installed on a bus bar, use: Bracket **8063/1** for the M version - Bracket **8063/2** for the L version




DOUBLE INLET FITTING M20

Order Code **15019**



POLE BRACKET


Order Code **20125**



SWIVEL BRACKET



Order Code **20123**

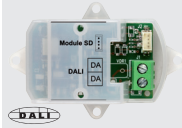
BUILDING AUTOMATION - to be ordered separately



LOGICA SD LGFM CONTROL UNIT


Order Code **21102**







DALI MODULE


Order Code **15024**

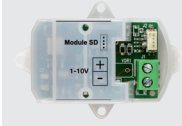




BUILDING AUTOMATION RADIO MODULE


Order Code **15022**






1÷10V MODULE


Order Code **15034**






BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**




LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately



INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V

Order Code **19358** (1h)
Order Code **19359** (3h)






INVERTER GL AT/LG AR 15W 55V


Order Code **19391** (LiFe battery)
Order Code **19390** (LTO battery)






INVERTER AT/LG AR 9W 55V

Order Code **19355L** (LiFe battery)






LGFM EMERGENCY MODULE

For AT/LG series inverters only

Order Code **19375**



BS240

lighting



IP66

IK18

850°

DERATING

+50°C
-20°C



Great robustness of a luminaire with a luminous flux of up to more than 21,000lm. Extremely compact dimensions.



Large symmetrical beam angle on 4 sides, especially for locations with particularly low ceilings (Parking version)

Applications

Industry, services, gyms, car parks, warehouses, shopping centres, areas subject to HACCP

Characteristics

Power supply Universal Multi Voltage
93÷265 VAC - 50/60Hz 176÷250 VDC

Power supply - MTBF a 25°C 80,000 h

Luminous flux retention at 25°C
>70,000h (L80B20)

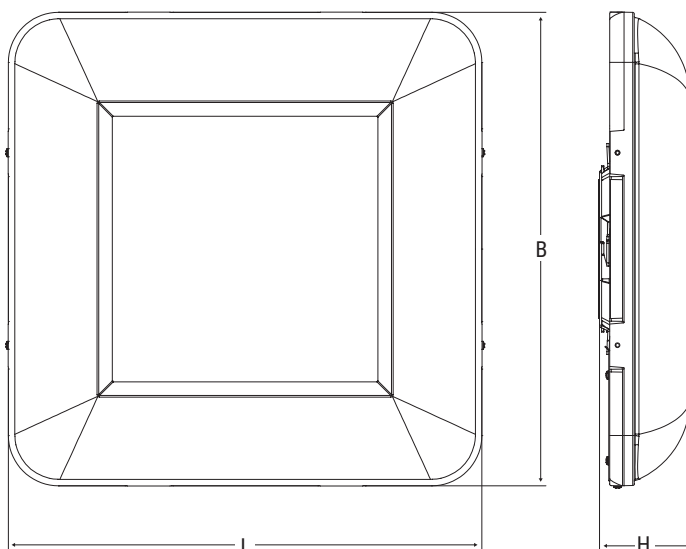
Colour stability 3 SDCM

Mounting Ceiling, suspended, electrified track

Housing Polyester powder-coated die-cast aluminium, RAL 7040

Optics Anti-glare aluminium, diffusing

Compliance EN 60598-1, EN 60598-2-1, EN 60598-2-22, DIN 18031-3, EN 62471 (photobiological risk-free), 2014/53/EU

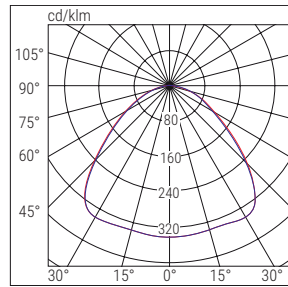


Dimensions mm

L	B	H
443	443	85

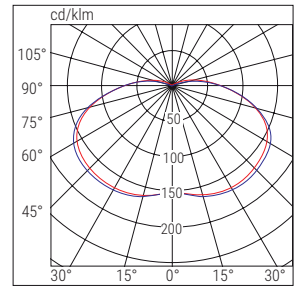
062

BS240



■ C0-C180 ■ C90-C270


BS240 PARKING



■ C0-C180 ■ C90-C270


	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack	Notes and compliance	
SD	11288SD	BS240 LED 455 SD 4K	100	4000	≥80	15500	13300	133	5.5	1		AUTO-DIMMER
	11289SD	BS240 LED 655 SD 4K	160	4000	≥80	23300	21300	133	5.5	1		
	11288PSD	BS240 LED 255 SD 4K	50	4000	≥80	7800	6650	133	5	1	Parking	
ED	11288ED	BS240 LED 455 ED 4K	100	4000	≥80	15500	13300	133	5.5	1		ON / OFF
	11289ED	BS240 LED 655 ED 4K	160	4000	≥80	23300	21300	133	5.5	1		
	11288PED	BS240 LED PARK ED 4K	50	4000	≥80	7800	6650	133	5	1	Parking	
DALI	INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY: It is possible to create DALI luminaires by integrating the version SD with the accessory Dali Module Order Code 15024 Example: Order Code 11288SD + 15024 = Luminaire 11288SD in the DALI version											DALI


ACCESSORIES - included




SMART DIMMER LIGHT SENSOR

Order Code **15039**






CEILING MOUNTING BRACKET




CONDUIT FIXING BRACKET

Order Code **12665**



EYE-BOLTS FOR SUSPENDED MOUNTING

ACCESSORIES - to be ordered separately



SUSPENDED MOUNTING KIT

Order Code **12663**





BS240

lighting

BUILDING AUTOMATION - to be ordered separately

	<p>LOGICA SD LGFM CONTROL UNIT</p> <p>Order Code 21102</p> <p>nuBe</p> <p>SD</p>		<p>DALI MODULE</p> <p>Order Code 15024</p> <p>SD</p>
	<p>BUILDING AUTOMATION RADIO TRANSMITTER</p> <p>Order Code 20104</p> <p>SD</p>		<p>1÷10V MODULE</p> <p>Order Code 15034</p> <p>SD</p>
	<p>BUILDING AUTOMATION RADIO MODULE</p> <p>Order Code 15022</p> <p>SD</p>		

LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately

	<p>INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V</p> <p>Order Code 19358 (1h) Order Code 19359 (3h)</p> <p>TR</p>		<p>INVERTER GL AT/LG AR 15W 55V</p> <p>Order Code 19391 (LiFe battery) Order Code 19390 (LTO battery)</p> <p>AT LG</p>
	<p>INVERTER AT/LG AR 9W 55V</p> <p>Order Code 19355L (LiFe battery)</p> <p>AT LG</p>		<p>LGFM EMERGENCY MODULE For AT/LG series inverters only</p> <p>Order Code 19375</p> <p>LGFM</p>



065 waterproof ceiling lights

Flood Mini



IP66

IK09

960°

+40°C
-20°C



Maximum mechanical and chemical resistance. Luminaire designed to withstand the most extreme outdoor conditions.



Removable aluminium cell high bay light for a single symmetrical or asymmetrical luminaire.

Applications

Industry, services, civil

Characteristics

Power supply 230VAC ±10% 50 Hz

Power supply - MTBF at 25°C 65,000 h

Luminous flux retention at 25°C

>50,000h (F70) (L80B20)

>60,000h (F30-F50) (L80B20)

Colour stability 3 SDCM

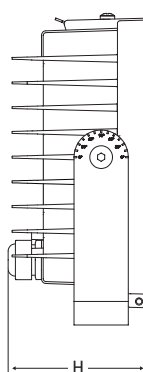
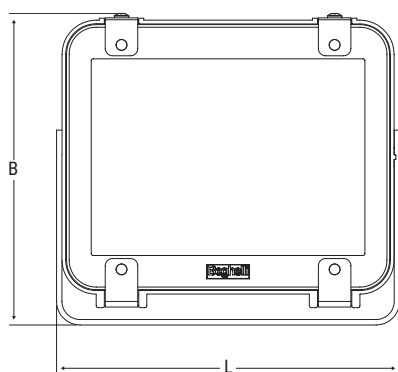
Mounting Floor, wall

Housing Polyester powder-coated die-cast aluminium, RAL 7040

Optics Parabolic blades, made of anti-iridescent polished anodised aluminium. Symmetrical, Asymmetrical

Screen Tempered glass prism, 4mm thick

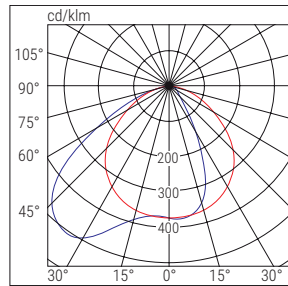
Compliance EN 60598-1, EN 60598-2-22, EN 62471 (photobiological risk-free), EN 60598-2-2, 2014/30/EU, 2014/35/EU



Dimensions mm

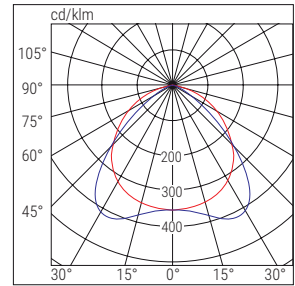
L	B	H
190	173	75.5

FLOOD MINI ASYMMETRICAL OPTICS



■ C90-C270 ■ C0-C180

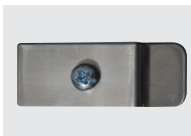
FLOOD MINI SYMMETRICAL OPTICS



■ C90-C270 ■ C0-C180

	Order Code	Description	Optics	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/Multi pack	
LED	F30LED	PRO LED 1x30W 4K	SYM / ASYM	17	4000	>80	2100	1800	105	1.2	1/8	ON / OFF
	F50LED	PRO LED 1x50W 4K	SYM / ASYM	26	4000	>80	3500	3000	115	1.2	1/8	
	F70LED	PRO LED 1x70W 4K	SYM / ASYM	37	4000	>80	4600	4000	108	1.2	1/8	

ACCESSORIES - included



VANDAL-PROOF SCREWS



GONIOMETRIC BRACKET



M20 CABLE GLAND WITH VENT VALVE

ACCESSORIES - to be ordered separately



BUILDING AUTOMATION REMOTE CONTROL RECEIVER

Order Code **20108**

LED INVERTER EMERGENCY LUMINAIRE - to be ordered separately



INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V IP65

Order Code **19368** (3h)

TR



LGFM EMERGENCY MODULE
For AT/LG series inverters only

Order Code **19375**

LGFM



INVERTER AT/LG AR 9W 55V
Inverter cover (19376) required for installation

Order Code **19355L** (LiFe battery)

AT LG



INVERTER COVER IP65

Order Code **19376**



INVERTER GL AT/LG AR 15W 55V
Inverter cover (19376) required for installation

Order Code **19391** (LiFe battery)

Order Code **19390** (LTO battery)

AT LG

FH-M



IP66

IK09

960°

SD DERATING
+60°C
-30°C

RD
+40°C
-20°C

EMERGENCY
+40°C
0°C



Outdoor floodlight with goniometric fixing bracket. Luminous flux up to over 17000 lm.



Available in Smart Driver Auto-dimmable version, controllable from the Central Unit, or with an RD system that has a selector to set 4 steps of luminous flux.



Double aluminium high bay light, both symmetrical and asymmetrical (by removing the deflector).

Applications

Industry, services, civil

Characteristics

Power supply

SD 93÷265 VAC - 50/60Hz 176÷250 VDC

RD 230VAC ±10% 50 Hz

Power supply - MTBF at 25°C 100,000 h

Luminous flux retention at 25°C

>60,000h (110W and 100W) (L80B20)

>70,000h (75W) (L80B20)

>80,000h (50W) (L80B20)

Colour stability 3 SDCM

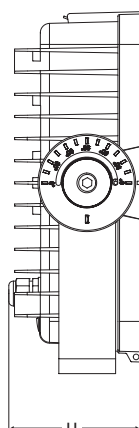
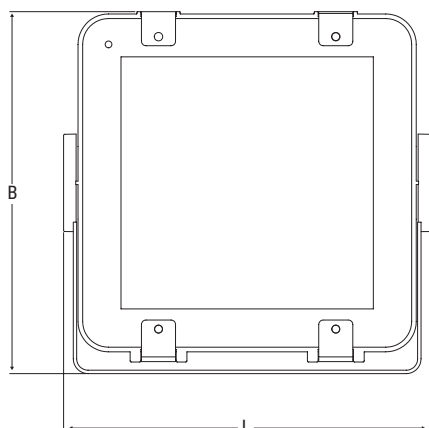
Mounting Floor, wall, lighthouse towers, suspended, ceiling

Housing Polyester powder-coated die-cast aluminium, RAL 7040

Optics Parabolic blades, made of anti-iridescent polished anodised aluminium. Symmetrical, asymmetrical.

Screen Tempered glass prism, 4mm

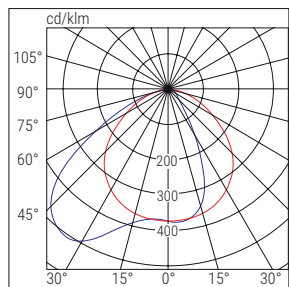
Compliance EN 60598-1, EN 60598-2-1, EN 60598-2-22, DIN 18031-3, EN 62471 (photobiological risk-free), 2014/53/EU



Dimensions mm

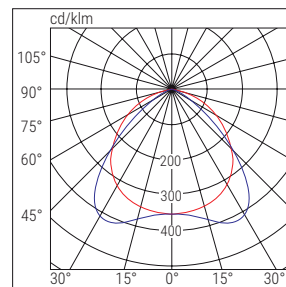
L	B	H
323	319	116

FH-M ASYMMETRIC OPTICS



■ C90-C270 ■ C0-C180

FH-M SYMMETRIC OPTICS



■ C90-C270 ■ C0-C180

	Order Code	Description	Optics	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack	
SD	40807	PRO/RIF 75W SD 4K	Symmetrical/asymmetrical	74	4000	>80	12000	11984	162	4	1	AUTO-DIMMER
	40810	PRO/RIF 110W SD 4K	Symmetrical/asymmetrical	110	4000	>80	18000	16800	153	4	1	
RD	40801	PRO/RIF 50W ADJUSTABLE 4K	Symmetrical/asymmetrical	50	4000	>80	7800	7430	149	4	1	ADJUSTABLE
	40804	PRO/RIF 100W ADJUSTABLE 4K	Symmetrical/asymmetrical	100	4000	>80	15600	14073	141	4	1	

DALI **MODULAR ENCODING:**
 To create the DALI version device code, select a device in the range **RD** and add to its code the suffix **DL**
 Example: Order Code **40801 + DL** = Order Code **40801DL** - NOTE: The power of these luminaires, in the DALI version, is increased as compared to the version **RD**: Order Code 40801DL = 74W; Order Code

RD VERSIONS, MANUALLY ADJUSTABLE FLUX/POWER AT 4 STEPS




Flux/Power	Code 40801			Code 40804		
	lm	W	lm/W	lm	W	lm/W
STEP 1	7430	50	149	14073	100	141
STEP 2	6496	42	155	12464	84	148
STEP 3	5586	35	160	10777	70	154
STEP 4	4561	28	163	8893	56	159

The lighting system must consider both the required level of lighting obtained from the lighting calculation and the power saving needs. The FH-M floodlight allows you to achieve this result thanks to its driver equipped with a 4-step current modulation switch that provides maximum luminous efficiency and, therefore, maximum power saving, while respecting the luminous flux determined in the design phase.

SPECIAL VARIANTS - on request


CHROMATIC YIELD ≥90 - COLOUR TEMPERATURE ON REQUEST
 VERSION WITH POLYCARBONATE DIFFUSER FOR HACCP ENVIRONMENTS (IP54)

ACCESSORIES - included



SD RADIO / 1 -10V INTERFACE


SD




SMART DIMMER LIGHT SENSOR

Order Code **15039**

SD



VANDAL-PROOF SCREWS



GONIOMETRIC BRACKET









M20 CABLE GLAND WITH VENT VALVE

NEXT >

FH-M

lighting

ACCESSORIES - to be ordered separately



	MOUNTING BRACKET FOR ELECTRIFIED BAR Order Code 12659		CEILING MOUNTING BRACKET Order Code 12664
	POLE END CAP 2X 60-76 Order Code 12661		POLE END CAP 4X 60-76 Order Code 12662
	HIGH BAY LIGHT SUSPENSION CABLE Order Code 12663		PROTECTIVE GRID Order Code 12657

BUILDING AUTOMATION - to be ordered separately

	LOGICA SD LGFM CONTROL UNIT Order Code 21102		BUILDING AUTOMATION RADIO TRANSMITTER Order Code 20104
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LUMINAIRE + EMERGENCY WITH PRE-WIRED LED INVERTER - modular coding

SD

BUILT-IN INVERTER	SUFFIX	EMERGENCY SYSTEM	BATTERY	AUTONOMY (h)	LED POWER (W)
	TR1	STANDARD	NiCd 7.2V 0.75Ah	1	3
	TR3	STANDARD	NiMH 7.2V 1.5Ah	3	3
	ATLG	AT-LG	LiFe 9.6V 1.5Ah	0.75/1/2/3/8	9/7/4/2/1
	LGFM	LGFM	LiFe 9.6V 1.5Ah	0.75/1/2/3/8	9/7/4/2/1
	ATLGGL	AT-LG	LiFe 12.8V 1.5Ah HT	0.75/1/2/3/8	15/10/5/3.3/1.25
	LGFMGL	LGFM	LiFe 12.8V 1.5Ah HT	0.75/1/2/3/8	15/10/5/3.3/1.25

LUMINAIRE + EMERGENCY WITH PRE-WIRED LED INVERTER - modular coding

RD

BUILT-IN INVERTER	SUFFIX	EMERGENCY SYSTEM	BATTERY	AUTONOMY (h)	LED POWER (W)
	TR1	STANDARD	NiCd 7.2V 0.75Ah	1	3
	TR3	STANDARD	NiMH 7.2V 1.5Ah	3	3

Each unit in this series can be **configured and pre-wired directly in Beghelli**, ready for installation.

For orders, create the code by specifying the control system using the following tables:

Order Code LUMINAIRE + SUFFIX, for example, to order an Autotest Logic GranLuce (AT-LG) 110W FH-M floodlight, add to the Order Code 40810 the ending ATLGGL = Order Code 40810ATLGGL



071 outdoor floodlights

FH-L



IP66 **IK09** **960°**
 SD DERATING $+60^{\circ}\text{C}$ -30°C
 RD $+40^{\circ}\text{C}$ -20°C
 EMERGENCY $+40^{\circ}\text{C}$ 0°C



Outdoor floodlight with goniometric fixing bracket. Luminous flux up to over 32000lm.



Available in Smart Driver Auto-dimmable version, controllable from the Central Unit, or with an RD system that has a selector to set the LED power at 4 steps of luminous flux.



Double aluminium high bay light, both symmetrical and asymmetrical (by removing the deflector).

Applications

Industry, services, civil

Characteristics

Power supply

SD 93÷265 VAC - 50/60Hz 176÷250 VDC

RD 230VAC ±10% 50 Hz

Power supply - MTBF at 25°C 100,000 h

Luminous flux retention at 25°C

>70,000h (L80B20)

Colour stability 3 SDCM

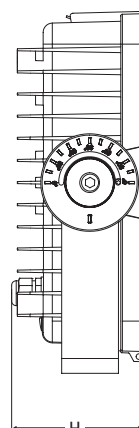
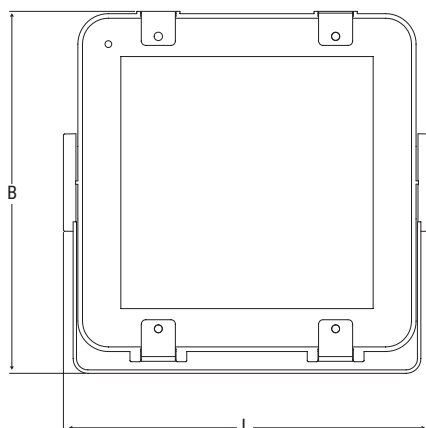
Mounting Floor, wall, lighthouse towers, suspended

Housing Polyester powder-coated die-cast aluminium, RAL 7040

Optics Parabolic blades, made of anti-iridescent polished anodised aluminium. Symmetrical/asymmetrical.

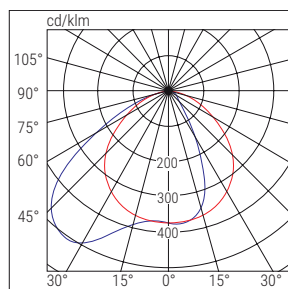
Screen Tempered glass prism, 4mm

Compliance EN 60598-1, EN 60598-2-1, EN 60598-2-22, DIN 18031-3, EN 62471 (photobiological risk-free), EN 61493, 2014/53/EU



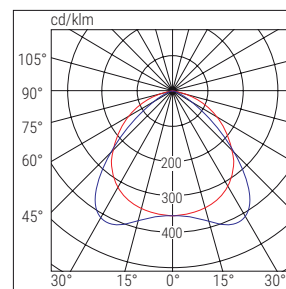
Dimensions mm		
L	B	H
348	434	121

FH-L ASYMMETRIC OPTICS



■ C90-C270 ■ C0-C180

FH-L SYMMETRICAL DIFFUSING OPTICS



■ C90-C270 ■ C0-C180

	Order Code	Description	Optics	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/Multi pack	
SD	40867	PRO/RIF 150W SD 4K	Symmetrical/asymmetrical	150	4000	>80	27000	24907	166	8.8	1	AUTO-DIMMER
	40870	PRO/RIF 200W SD 4K	Symmetrical/asymmetrical	200	4000	>80	35500	32400	162	8.8	1	
RD	40861	PRO/RIF 150W ADJUSTABLE 4K	Symmetrical/asymmetrical	151	4000	>80	25000	23143	153	8.8	1	ADJUSTABLE
	40864	PRO/RIF 200W ADJUSTABLE 4K	Symmetrical/asymmetrical	203	4000	>80	30500	27878	137	8.8	1	

DALI **MODULAR ENCODING:**
To create the DALI version device code, select a device in the range **RD** and add to its code the suffix **DL**
Example: Order Code **40861 + DL** = Order Code **40861DL**

RD VERSIONS, MANUALLY ADJUSTABLE FLUX/POWER AT 4 STEPS



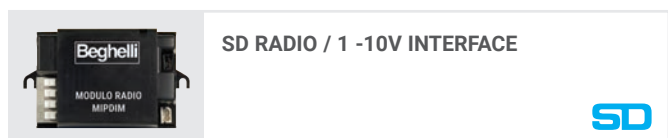
Flux/Power	Order 40861			Order 40864		
	lm	W	lm/W	lm	W	lm/W
STEP 1	23143	151	153	27878	203	137
STEP 2	20266	128	158	24754	172	144
STEP 3	17380	107	162	21497	143	150
STEP 4	14229	85	167	17769	114	156

The lighting system must consider both the required level of lighting obtained from the lighting calculation and the power saving needs. The FH-L floodlight allows you to achieve this result thanks to its driver equipped with a 4-step current modulation switch that provides maximum luminous efficiency and, therefore, maximum power saving, while respecting the luminous flux determined in the design phase.

SPECIAL VARIANTS - on request

CHROMATIC YIELD ≥ 90 - COLOUR TEMPERATURE ON REQUEST
VERSION WITH POLYCARBONATE DIFFUSER FOR HACCP ENVIRONMENTS (IP54)

ACCESSORIES - included

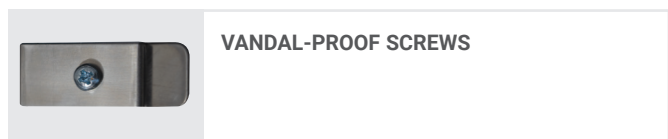


SD RADIO / 1 -10V INTERFACE

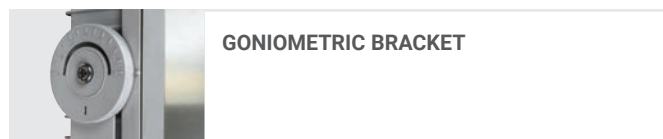


SMART DIMMER LIGHT SENSOR

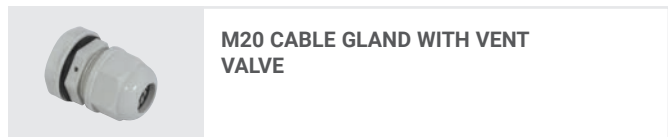
Order Code 15039



VANDAL-PROOF SCREWS



GONIOMETRIC BRACKET









M20 CABLE GLAND WITH VENT VALVE

NEXT >

FH-L

lighting

ACCESSORIES - to be ordered separately



	MOUNTING BRACKET FOR ELECTRIFIED BAR Order Code 12659		CEILING MOUNTING BRACKET Order Code 12664
	POLE END CAP 2X 60-76 Order Code 12661		POLE END CAP 4X 60-76 Order Code 12662
	HIGH BAY LIGHT SUSPENSION CABLE Order Code 12663		PROTECTIVE GRID Order Code 12658

BUILDING AUTOMATION - to be ordered separately

	LOGICA SD LGFM CONTROL UNIT Order Code 21102		BUILDING AUTOMATION RADIO TRANSMITTER Order Code 20104
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LUMINAIRE + EMERGENCY WITH PRE-WIRED LED INVERTER - modular coding

SD

BUILT-IN INVERTER	SUFFIX	EMERGENCY SYSTEM	BATTERY	AUTONOMY (h)	LED POWER (W)
	TR1	STANDARD	NiCd 7.2V 0.75Ah	1	3
	TR3	STANDARD	NiMH 7.2V 1.5Ah	3	3
	ATLG	AT-LG	LiFe 9.6V 1.5Ah	0.75/1/2/3/8	9/7/4/2/1
	LGFM	LGFM	LiFe 9.6V 1.5Ah	0.75/1/2/3/8	9/7/4/2/1
	ATLGGL	AT-LG	LiFe 12.8V 1.5Ah HT	0.75/1/2/3/8	15/10/5/3.3/1.25
	LGFMGL	LGFM	LiFe 12.8V 1.5Ah HT	0.75/1/2/3/8	15/10/5/3.3/1.25

LUMINAIRE + EMERGENCY WITH PRE-WIRED LED INVERTER - modular coding

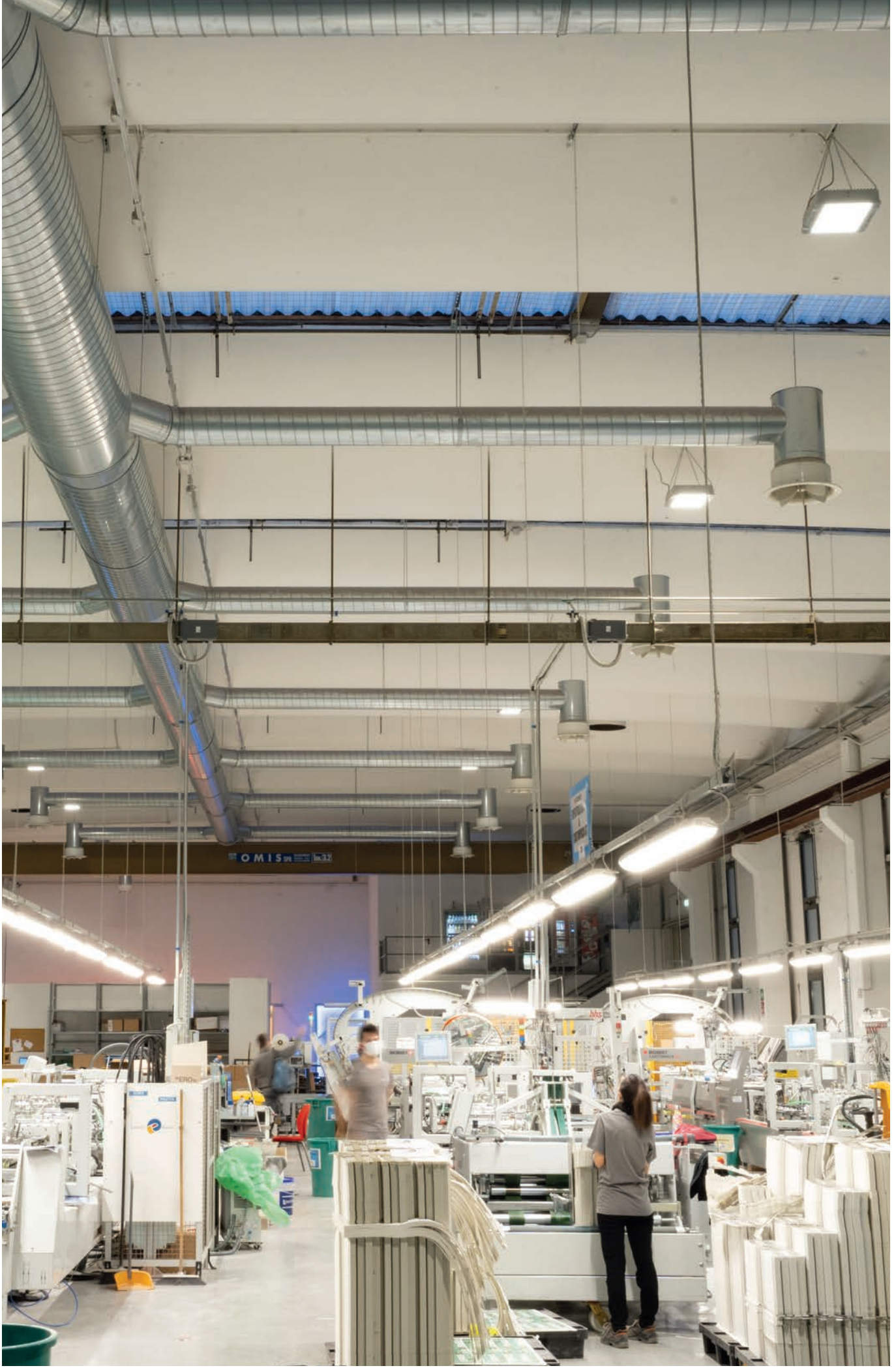
RD

BUILT-IN INVERTER	SUFFIX	EMERGENCY SYSTEM	BATTERY	AUTONOMY (h)	LED POWER (W)
	TR1	STANDARD	NiCd 7.2V 0.75Ah	1	3
	TR3	STANDARD	NiMH 7.2V 1.5Ah	3	3

Each unit in this series can be **configured and pre-wired directly in Beghelli**, ready for installation.

For orders, create the code by specifying the control system using the following tables:

Order Code LUMINAIRE + SUFFIX, for example, to order an Autotest Logica GranLuce (AT-LG) 200W FH-L floodlight, add to the Order Code 40870 the ending ATLGGL = Order Code 40870ATLGGL



075 outdoor floodlights

Power Light

nuBe



IP66

IK09

960°

+40°C
-20°C



Modular luminaire for lighting large areas. Luminous flux up to 63,000lm.



ED versions with luminous flux control and 0÷10V dimming.



Standard 120° optics, 10°, 30°, 60° optics can be installed on request to meet any design requirement.

Applications

Sports fields, road sections, industrial yards, outdoor car parks

Characteristics

Power supply 100~305 VAC 50/60 Hz with 10KV overvoltage protection

Power supply - MTBF at 25°C 100,000h

Luminous flux retention at 25°C
>50,000h (L70B20)

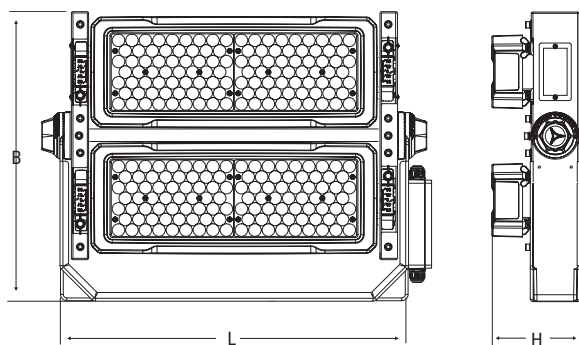
Colour stability 3 SDCM

Mounting Lighthouse tower, wall, pole, floor

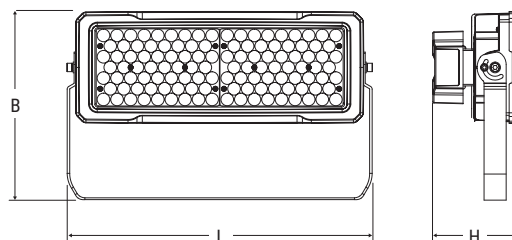
Housing Polyester powder-coated die-cast aluminium, black

Lenses clear PMMA

Compliance EN 60598-1, EN 60598-2-22 DIN 18031-3, EN 62471 (Biological risk-free), EN 60598-2-5, 2014/53/EU



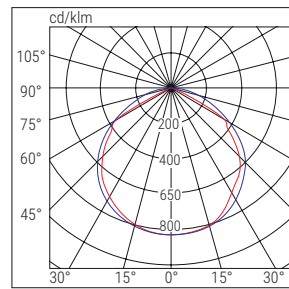
300-400W VERSION



250W Version

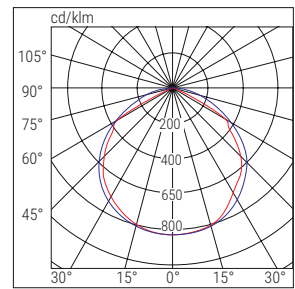
Version	Dimensions mm		
	L	B	H
250W	438	296	135
300-400W	510	453	137

250W VERSION



■ C0-C180 ■ C90-C270

300-400W VERSION



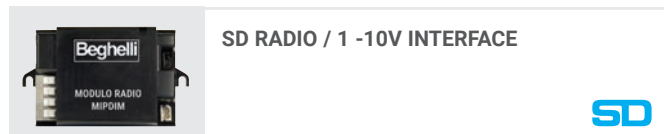
■ C180-C270 ■ C90-C270

	Order Code	Description	Optics	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/Multi pack	Notes and compliance
SD	40748	POWER L 250W 120° C70 SD 4K	120°	250	4000	>70	39000	32500	130	6.6	1	AUTO-DIMMER
	40749	POWER L 300W 120° C70 SD 4K	120°	300	4000	>70	47000	39000	130	18.5	1	
	40750	POWER L 400W 120° C70 SD 4K	120°	400	4000	>70	62500	52000	130	18.5	1	
ED	40716	POWER L 250W 120° C70 ED 4K 0-10V	120°	250	4000	>70	39000	32500	130	6.6	1	ON / OFF - 0 -10V
	40717	POWER L 300W 120° C70 ED 4K 0-10V	120°	300	4000	>70	47000	39000	130	18.5	1	
	40718	POWER L 400W 120° C70 ED 4K 0-10V	120°	400	4000	>70	62500	52000	130	18.5	1	
DALI	MODULAR ENCODING: To create the DALI version device code, select a device in the range ED and add to its code the suffix DL Example: Order Code 40716 + DL = Order code 40716DL											DALI

SPECIAL VARIANTS - on request

COLOUR TEMPERATURE ON REQUEST (5000K) - WATTAGES (500-600-750-1000-1250W-1500W) - OPTICS COLOUR RENDERING (10°, 30°, 60°, ASYMMETRICAL, ELLIPTICAL)

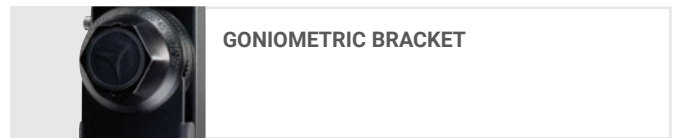
ACCESSORIES - included



SD RADIO / 1 -10V INTERFACE

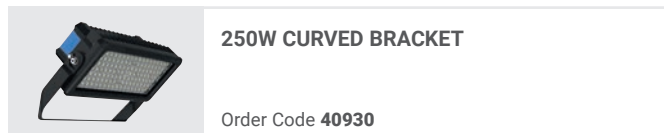


M20 CABLE GLAND WITH VENT VALVE



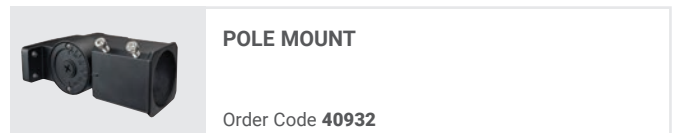
GONIOMETRIC BRACKET

ACCESSORIES - to be ordered separately



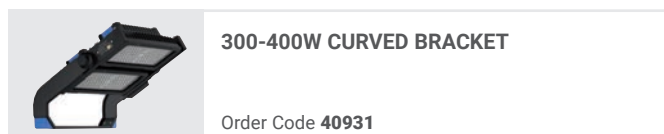
250W CURVED BRACKET

Order Code **40930**



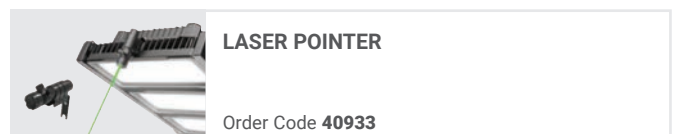
POLE MOUNT

Order Code **40932**



300-400W CURVED BRACKET

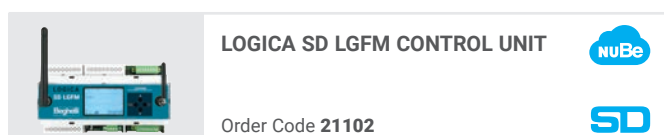
Order Code **40931**



LASER POINTER

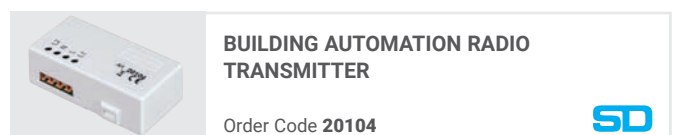
Order Code **40933**

BUILDING AUTOMATION - to be ordered separately



LOGICA SD LGFM CONTROL UNIT

Order Code **21102**



BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**



H-PRO

lighting



High luminous flux high bay light with a luminous flux of more than 40000 lm, equipped with an eye bolt for suspension.



Available in Self-dimming Smart Driver version, controllable from the control unit, or 0÷10V preconfigured to manage 4 classes of luminous flux.



Blade optics with three different beam patterns: Diffusing, Concentrating, Elliptical.

Applications

Industry, logistics warehouses, hangars

Characteristics

Power supply

93÷265 VAC - 50/60Hz 176÷250 VDC

Power supply - MTBF at 25°C 100,000h

Luminous flux retention at 25°C

>60,000h (240W) (L80B20)

>70,000h (150W) (L80B20)

Colour stability 3 SDCM

Mounting Floor, wall, lighthouse towers

Housing Polyester powder-coated die-cast aluminium, RAL 7040

Optics Parabolic blades, made of anti-iridescent polished anodised aluminium. Diffusing, concentrating, elliptical.

Screen Tempered glass prism, 4mm

Compliance EN 60598-1, EN 60598-2-1, EN 60598-2-22, DIN 18031-3, EN 62471 (photobiological risk-free), 2014/53/EU

IP66

IK09

960°

SD DERATING

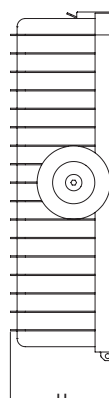
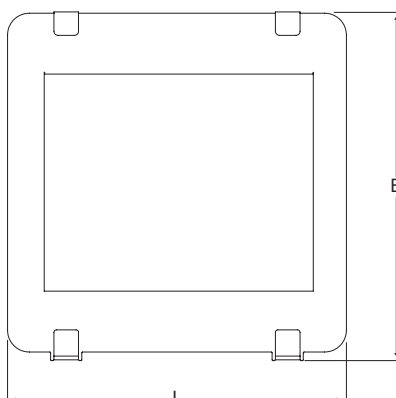
+60°C
-30°C

RD

+40°C
-20°C

EMERGENCY

+40°C
0°C

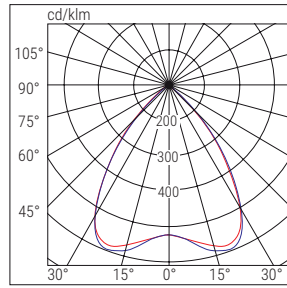
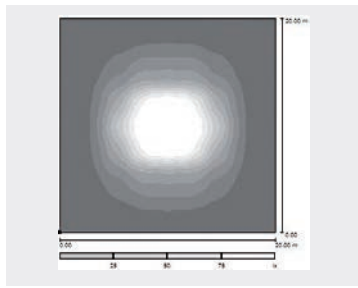


Dimensions mm

L	B	H
436	434	121

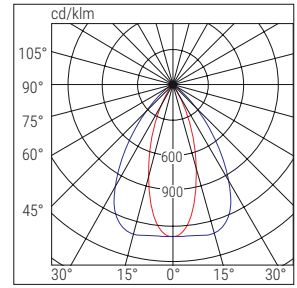
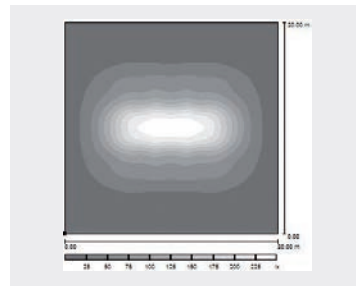
078

DIFFUSED OPTICS



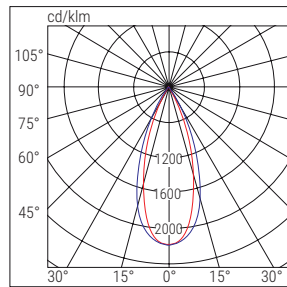
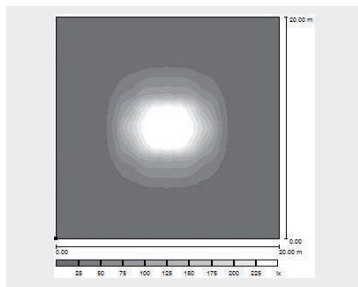
■ C90-C270 ■ C0-C180

ELLIPTICAL OPTICS



■ C90-C270 ■ C0-C180

CONCENTRATING OPTICS



■ C90-C270 ■ C0-C180

	Order Code	Description	Optics	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack
SD	40839	RIF S 150W D SD 4K	DIFFUSING	153	4000	>80	27000	22824	149	7.7	1
	40842	RIF S 150W C SD 4K	CONCENTRATING	153	4000	>80	27000	21683	142	7.7	1
	40845	RIF S 150W E SD 4K	ELLIPTICAL	153	4000	>80	27000	22140	145	7.7	1
	40848	RIF S 240W D SD 4K	DIFFUSING	246	4000	>80	47000	38853	158	7.7	1
	40851	RIF S 240W C SD 4K	CONCENTRATING	246	4000	>80	47000	38005	154	7.7	1
	40854	RIF S 240W E SD 4K	ELLIPTICAL	246	4000	>80	47000	38638	157	7.7	1
RD	40821	RIF S 150W D ADJUSTABLE 010 4K	DIFFUSING	153	4000	>80	27000	22824	149	7.7	1
	40824	RIF S 150W C ADJUSTABLE 010 4K	CONCENTRATING	153	4000	>80	27000	21683	142	7.7	1
	40827	RIF S 150W E ADJUSTABLE 010 4K	ELLIPTICAL	153	4000	>80	27000	22140	145	7.7	1
	40830	RIF S 240W D ADJUSTABLE 010 4K	DIFFUSING	246	4000	>80	47000	40005	163	7.7	1
	40833	RIF S 240W C ADJUSTABLE 010 4K	CONCENTRATING	246	4000	>80	47000	38005	155	7.7	1
	40836	RIF S 240W E ADJUSTABLE 010 4K	ELLIPTICAL	246	4000	>80	47000	38805	158	7.7	1

DALI MODULAR ENCODING:
To create the DALI version device code, select a device in the range **RD** and add to its code the suffix **DL**
Example: Order Code 40821 + DL = Order Code 40821DL

DIFFUSING RD VERSIONS, WITH MANUALLY ADJUSTABLE FLUX/POWER IN 4 STEPS



Flux/Power	153W			246W		
	lm	W	lm/W	lm	W	lm/W
STEP 1	22824	153	149	40005	246	163
STEP 2	19623	129	152	33507	200	168
STEP 3	16398	105	156	27994	162	173
STEP 4	13779	87	158	23575	133	177

Diagram referring only to the DIFFUSING version with 4 current modulation steps to ensure maximum lighting efficiency. For data on the other versions (CONCENTRATING and ELLIPTICAL), please refer to the on-line catalogue.

NEXT >

H-PRO

lighting

SPECIAL VARIANTS - on request



CHROMATIC YIELD ≥ 90 - COLOUR TEMPERATURE ON REQUEST - VERSION WITH POLYCARBONATE DIFFUSER FOR HACCP ENVIRONMENTS (IP54)

ACCESSORIES - included




SD RADIO / 1 -10V INTERFACE

Order Code **15039**




SMART DIMMER LIGHT SENSOR

Order Code **15039**




M20 CABLE GLAND WITH VENT VALVE




VANDAL-PROOF SCREWS

ACCESSORIES - to be ordered separately




MOUNTING BRACKET FOR ELECTRIFIED BAR

Order Code **12659**




CEILING MOUNTING BRACKET

Order Code **12664**




HIGH BAY LIGHT SUSPENSION SYSTEM

Order Code **12663**



PROTECTIVE GRID


Order Code **12658**



GONIOMETRIC BRACKET




Order Code **12666**

BUILDING AUTOMATION - to be ordered separately




LOGICA SD LGFM CONTROL UNIT

Order Code **21102**





BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**





LUMINAIRE + EMERGENCY WITH PRE-WIRED LED INVERTER - modular coding

SD

BUILT-IN INVERTER	SUFFIX	EMERGENCY SYSTEM	BATTERY	AUTONOMY (h)	LED POWER (W)
	TR1	STANDARD	NiCd 7.2V 0.75Ah	1	3
	TR3	STANDARD	NiMH 7.2V 1.5Ah	3	3
	ATLG	AT-LG	LiFe 9.6V 1.5Ah	0.75/1/2/3/8	9/7/4/2/1
	LGFM	LGFM	LiFe 9.6V 1.5Ah	0.75/1/2/3/8	9/7/4/2/1
	ATLGGL	AT-LG	LiFe 12.8V 1.5Ah HT	0.75/1/2/3/8	15/10/5/3.3/1.25
	LGFMGL	LGFM	LiFe 12.8V 1.5Ah HT	0.75/1/2/3/8	15/10/5/3.3/1.25

LUMINAIRE + EMERGENCY WITH PRE-WIRED LED INVERTER - modular coding

RD

BUILT-IN INVERTER	SUFFIX	EMERGENCY SYSTEM	BATTERY	AUTONOMY (h)	LED POWER (W)
	TR1	STANDARD	NiCd 7.2V 0.75Ah	1	3
	TR3	STANDARD	NiMH 7.2V 1.5Ah	3	3
	ATLG	AT-LG	LiFe 9.6V 1.5Ah	0.75/1/2/3/8	9/7/4/2/1
	LGFM	LGFM	LiFe 9.6V 1.5Ah	0.75/1/2/3/8	9/7/4/2/1
	ATLGGL	AT-LG	LiFe 12.8V 1.5Ah HT	0.75/1/2/3/8	15/10/5/3.3/1.25
	LGFMGL	LGFM	LiFe 12.8V 1.5Ah HT	0.75/1/2/3/8	15/10/5/3.3/1.25

Each luminaire in this series can be **configured and pre-wired directly in production**, ready for installation.

For orders, create the code by specifying the control system using the following tables:

Order Code LUMINAIRE + SUFFIX, for example, to order an Autotest Logica GranLuce (AT-LG) 150W H-PRO high bay light, add to the Order Code 40839 the suffix ATLGGL = Order Code 40839ATLGGL

Highbay HP

lighting

nuBe



IP65

IK09

960°

+50°C
-25°C



High-performance high bay light with a luminous efficacy of 140 lm/W suitable for replacing older high bay luminaires in industrial environments.



PMMA diffuser available with 120° beam angle for a diffusing beam, also available are concentrating bells for 60° and 90° angles.

Applications

Industry, logistics warehouses, hangars

Characteristics

Power supply

93÷265 VAC - 50/60Hz 176÷250 VDC

Power supply - MTBF at 25°C 100,000h

Luminous flux retention at 25°C

>50,000h (L80B20)

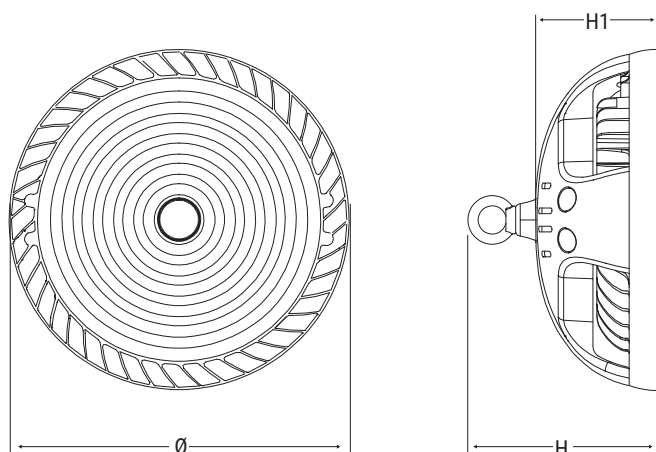
Colour stability 3 SDCM

Mounting Suspended, ceiling, wall, floor

Housing Polyester powder-coated die-cast aluminium, RAL 7040

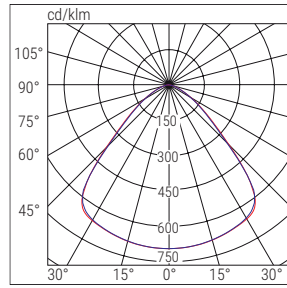
Optics Round PMMA Lens

Compliance EN60598-1, EN60598-2-1, EN 62471, 2014/53/EU, EN60598-2-22, DIN 18031-3



Version	Order code	Dimensions mm		
		H	H1	Ø
SD	40224-40225	207	148	300
	40226-40227	229	165	360
ED	40204-40205	167	108	300
	40206-40207	189	125	360

240W VERSION




■ C0-C180 ■ C90-C270


	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack	Notes and compliance
SD	40224	HIGHBAY HP 100W 90° 4K SD	100	4000	≥80	16500	14000	140	3.9	1	90° Optics
	40225	HIGHBAY HP 150W 90° 4K SD	150	4000	≥80	25000	21000	140	4.5	1	90° Optics
	40226	HIGHBAY HP 200W 90° 4K SD	200	4000	≥80	33000	28000	140	7.0	1	90° Optics
	40227	HIGHBAY HP 240W 90° 4K SD	240	4000	≥80	40000	34000	142	7.5	1	90° Optics
ED	40204	HIGHBAY HP 100W 90°0-10V 4K ED	100	4000	≥80	16500	14000	140	4.2	1	90° Optics
	40205	HIGHBAY HP 150W 90°0-10V 4K ED	150	4000	≥80	25000	21000	140	4.8	1	90° Optics
	40206	HIGHBAY HP 200W 90°0-10V 4K ED	200	4000	≥80	33000	28000	140	7.4	1	90° Optics
	40207	HIGHBAY HP 240W 90°0-10V 4K ED	240	4000	≥80	40000	34000	142	7.9	1	90° Optics


(*) Function that can be activated by integrating the optional external light sensor Code 21100

ACCESSORIES - included



SD RADIO / 1 -10V INTERFACE






EYE-BOLT FOR SUSPENDED MOUNTING

ACCESSORIES - to be ordered separately




GLASS DIFFUSER HP 120°

Order Code **40900** (100/150W)
Order Code **40901** (200/240W)




BELL 70° HP

Order Code **40904** (100/150W)
Order Code **40905** (200/240W)




DIFFUSER HP 120° 100/150W

Order Code **40902** (100/150W)
Order Code **40903** (200/240W)



BELL 90° HP


Order Code **40906** (100/150W)
Order Code **40907** (200/240W)



SWIVEL BRACKET HP



Order Code **40908** (100/150W)
Order Code **40909** (200/240W)


BUILDING AUTOMATION - to be ordered separately



LOGICA SD LGFM CONTROL UNIT


Order Code **21102**



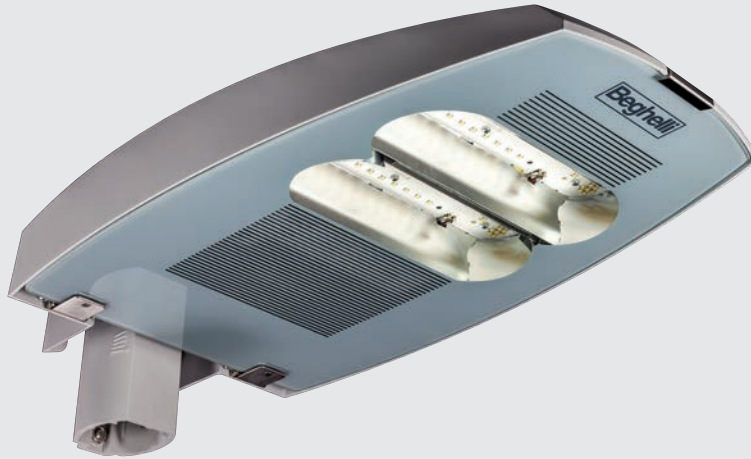
BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**



Strada

lighting



- IP66
- IK09
- ∧ 960°
-
- +40°C
-20°C



Street furniture with centralised control management, in harmony with the new smart city concept.

Applications

Public and private roads, car parks, cycle paths

Characteristics

Power supply 93÷265 VAC - 50/60Hz
176÷250 VDC with 10KV overvoltage protection and adjustable LED current (max 77ma)

Power supply - MTBF a 25°C 80,000 h

Luminous flux retention at 25°C

>70,000h (S70, S100, S150) (L80B20)

>75,000h (S30, S50) (L80B20)

Colour stability 3 SDCM

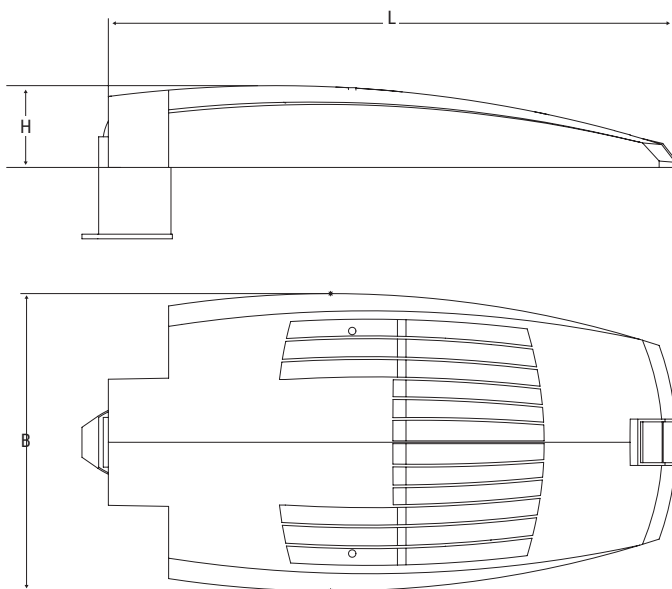
Mounting Pole or arm Φ60 mm

Housing Polyester powder-coated die-cast aluminium, RAL 7040

Optics Parabolic blades, made of anti-iridescent polished anodised aluminium. Suburban and urban roads (ME2, ME3A, ME3B, ME4A, ME4B, ME5, ME6) and cycle paths (CE, S)

Screen Tempered glass, 5mm thick

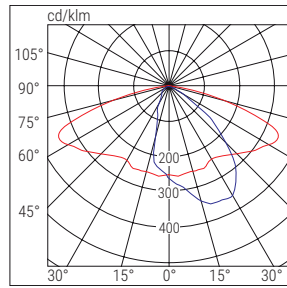
Compliance EN 60598-1, EN 60598-2-3, EN 60598-2-22, EN 62471 (photobiological-risk free), 2014/53/EU



Dimensions mm

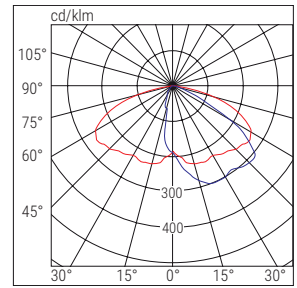
L	B	H
611	320	88

URBAN/EXTRA-URBAN STREET OPTICS



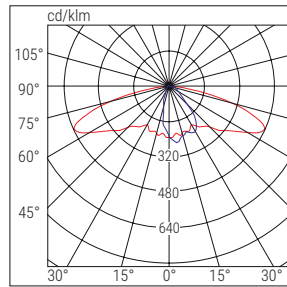
■ C0-C180 ■ C90-C270

LONG BEAM URBAN/EXTRA-URBAN OPTICS



■ C0-C180 ■ C90-C270

URBAN/CYCLING PATH/PARKING OPTICS



■ C0-C180 ■ C90-C270

	Order Code	Description	Optics	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/Multi pack	Notes and compliance
SD	S50EXSD	STRA LED EX 1x50 SD 4K	EXTRA-URBAN STREET	34	4000	>70	5750	4750	140	1/1	1	
	S70EXSD	STRA LED EX 1x70 SD 4K	EXTRA-URBAN STREET	51	4000	>70	8000	7000	138	1/1	1	
	S100EXSD	STRA LED EX 1x100 SD 4K	EXTRA-URBAN STREET	72	4000	>70	12500	9950	138	1/1	1	
	S150EXSD	STRA LED EX 1x150 SD 4K	EXTRA-URBAN STREET	103	4000	>70	15850	13900	135	1/1	1	
	S250EXSD	STRA LED EX 1x250 SD 4K	EXTRA-URBAN STREET	130	4000	>70	20600	16900	130	1/1	1	
	S50EXLSD	STRA LED EX LONG 1x50 SD 4K	EX-URBAN STREET LONG BEAM	34	4000	>70	5750	4750	140	1/1	1	
	S70EXLSD	STRA LED EX LONG 1x70 SD 4K	EX-URBAN STREET LONG BEAM	51	4000	>70	8000	7000	138	1/1	1	
	S100EXLSD	STRA LED EX LONG 1x100 SD 4K	EX-URBAN STREET LONG BEAM	72	4000	>70	12500	9950	138	1/1	1	
	S150EXLSD	STRA LED EX LONG 1x150 SD 4K	EX-URBAN STREET LONG BEAM	103	4000	>70	15850	13900	135	1/1	1	
	S250EXLSD	STRA LED EX LONG 1x250 SD 4K	EX-URBAN STREET LONG BEAM	130	4000	>70	20600	16900	130	1/1	1	
	S30UCSD	STRA LED UC 1x30 SD 4K	URBAN CYCLING/PARK	24	4000	>70	4000	3300	138	1/1	1	
	S50UCSD	STRA LED UC 1x50 SD 4K	URBAN CYCLING/PARK	34	4000	>70	5200	4600	135	1/1	1	
	S70UCSD	STRA LED UC 1x70 SD 4K	URBAN CYCLING/PARK	48	4000	>70	8450	6500	135	1/1	1	
	S100UCSD	STRA LED UC 1x100 SD 4K	URBAN CYCLING/PARK	66	4000	>70	12000	8900	135	1/1	1	

DALI INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY:

It is possible to create DALI luminaires by integrating the version SD with the accessory Dali Module Order Code 15024

Example: Order Code S50EXSD + 15024 = Luminaire S50EXSD in the DALI version

DALI

Strada

lighting

ACCESSORIES - included



M20 CABLE GLAND WITH VENT VALVE

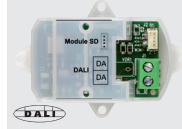
BUILDING AUTOMATION - to be ordered separately



LOGICA SD LGFM CONTROL UNIT



Order Code 21102



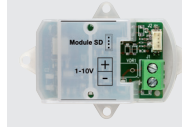
DALI MODULE

Order Code 15024



BUILDING AUTOMATION RADIO TRANSMITTER

Order Code 20104



1-10V MODULE

Order Code 15034



BUILDING AUTOMATION RADIO MODULE

Order Code 15022

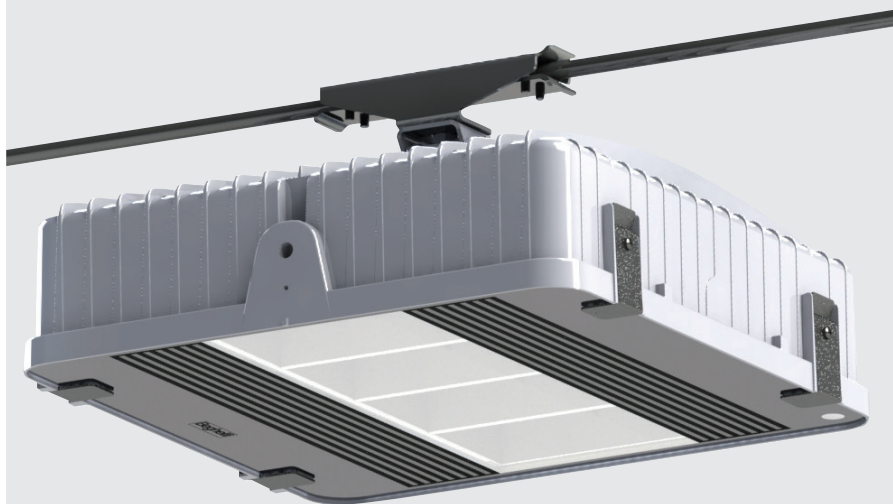




087 street lighting

Centrostrada

lighting



IP66 IK09 $\angle 960^\circ$ \square $\pm 40^\circ\text{C}$ -20°C



Street furniture with centralised control management, in harmony with the new smart city concept. Characterised by high mechanical and chemical resistance. Luminaire designed to withstand vibration and magnetic disturbance.

Applications

Public and private roads, car parks, cycle paths

Characteristics

Power supply Universal Multi Voltage
93÷265 VAC - 50/60Hz, 176÷250 VDC

Power supply - MTBF at 25°C 100,000h

Luminous flux retention at 25°C
80,000h (L80B20)

Colour stability 3 SDCM

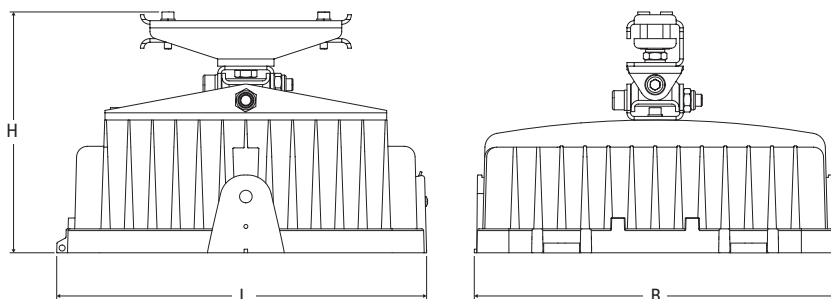
Mounting Stretched cable suspension

Housing Polyester powder-coated die-cast aluminium, RAL 7040

Optics Parabolic blades, made of anti-iridescent polished anodised aluminium.

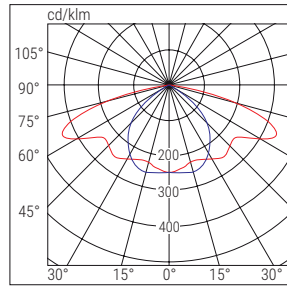
Screen Tempered glass prism, 4mm thick

Compliance EN 60598-1, EN 60598-2-3, EN 60598-2-22, EN 62471 (photobiological risk-free), 2014/53/EU



Version	Dimensions mm		
	L	B	H
50/70W	309	302	201
100/150/250W	425	417	221

URBAN OPTICS



■ C0-C180 ■ C90-C270

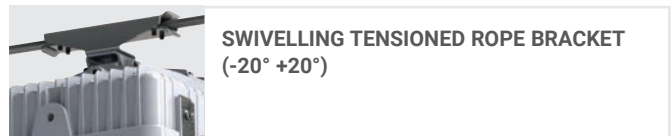
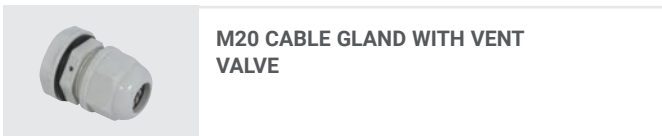
	Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/Multi pack	Notes and compliance
SD	CS50SD	CENTROSTRADA LED 1x50 SD 4K	35	4000	>80	5300	4400	126	5.5	1/1	
	CS70SD	CENTROSTRADA LED 1x70 SD 4K	50	4000	>80	7600	6200	124	5.5	1/1	
	CS100SD	CENTROSTRADA LED 1x100 SD 4K	70	4000	>80	10400	8600	124	7.7	1/1	
	CS150SD	CENTROSTRADA LED 1x150 SD 4K	100	4000	>80	14500	12000	120	7.7	1/1	
	CS250SD	CENTROSTRADA LED 1x250 SD 4K	130	4000	>80	18500	15000	115	7.7	1/1	

DALI **INTERFACING WITH ACCESSORY TO BE ORDERED SEPARATELY:**
 It is possible to create DALI luminaires by integrating the version **SD** with the accessory **Dali Module** Order Code **15024**
 Example: Order Code **CS50SD + 15024** = Luminaire **CS50SD** in the **DALI** version **DALI**

SPECIAL VARIANTS - on request

LG24 - LG230

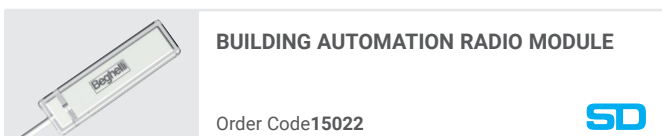
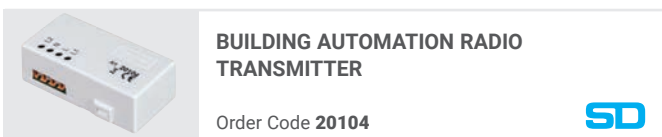
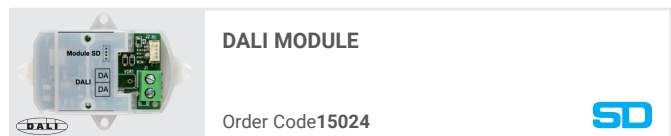
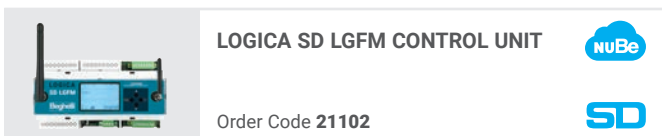
ACCESSORIES - included



ACCESSORIES - to be ordered separately
























BUILDING AUTOMATION - to be ordered separately



Key to symbols

GENERAL CHARACTERISTICS: MEANING OF SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	Single cloud platform for the remote management of all lighting and emergency lighting systems.		SanificaAria series hybrid luminaires incorporating a UV-C flow cell air sanitisation system.
	Luminaires with an SD-X Smart Driver, which can be integrated with various additional modules that expand the communication features (Radio, 1-10V, Dali) as well as the possibility of directly connecting the Plug&Light inverter, without affecting the protection features. The luminaire with this symbol has an integrated smart photocell with Auto-dimmer function.		General description defining the type of luminaire.
	Luminaires with Smart Driver with integrated SD radio interface and already prepared to communicate with the LGFM SD Logic Control Unit. These luminaires also have a 1-10V interface and a smart light sensor with Auto-dimmer function.		Luminaires with special features for versatility of use.
	Luminaires with an SD-X Smart Driver, which can be integrated with various additional modules that expand the communication features (Radio, 1-10V, Dali) as well as the possibility of directly connecting the Plug&Light inverter, without affecting the protection features.		Luminaires with special lighting characteristics. High luminous flux and beam control.
	Luminaires with Smart Driver with integrated SD radio interface and already prepared to communicate with the LGFM SD Logic Control Unit. These luminaires also have a 1-10V interface.		Luminaires with special mounting solutions, in terms of installation speed and/or multiple connections or through-wiring.
	Luminaires with Smart Driver.		Luminaire with a HCL-CCT module, in both SD and RD versions, for automatic colour temperature variation according to the time of day (Biodynamic lighting), or fixed setting by selecting one of the 4 pre-set values from the switch.
	Luminaires with a driver adjustable in 4 power steps to modulate the luminous flux. These luminaires have flux setting switches.		Protection rating against external factors according to EN 60598-1. If it is double, highlight two versions of the luminaire or a specific optional accessory.
	Luminaires with a 0-10V standard LED Driver with fixed or dimmable lighting.		Protection rating against impact according to EN 50102.
	Luminaires with DALI communication protocol		Resistance temperature of the luminaire at the Glow Wire Test according to IEC EN 60598-1.
	Device that integrates the luminaire with emergency lighting, in the standard TR version For more information, see the Emergency section		Luminaires in which protection against electric shock is guaranteed by an Insulation Class II built.
	Device that integrates the luminaire with emergency lighting, in the self-testing AT version. For more information, see the Emergency section.		General temperature range in which the luminaire maintains its characteristics correctly.
	Device that integrates the luminaire with emergency lighting, in the Logica LG version. For more information, see the Emergency section.		Colour rendering index.
	Device that integrates the luminaire with emergency lighting, in the LGFM Radio Logica version. For more information, see the Emergency section.		Anti-glare index.
			European quality label. Voluntary certification to testify to the quality of the product and the production chain.
			Luminaire intended for use in areas where there is a risk of explosion due to the presence of explosive substances (dust and/or gas...) according to the ATEX Directive .
			Luminaires with no visible flicker and reduced stroboscopic effect. The CIE TN006:2016 f<80Hz and CIE TN006:2016 f<200Hz standards define limit values and measurement methods and do not allow empirical verifications (cameras, smartphones, etc.). Strobe effects can only be detected on moving parts. For more information, visit www.beghelli.it

Analytical index

LUMINAIRES

Order Code	Price €	Page	Order Code	Price €	Page	Order Code	Price €	Page
118SD	123.80	053	40167	143.17	019	40531	243.34	042
136SD	136.75	053	40168	202.79	019	40532	243.34	042
158SD	149.82	053	40171	138.02	019	40533	243.34	042
170ED3	51.05	037	40171UV	934.00	013	40534	243.34	042
170EDMC	76.00	037	40174	162.74	019	40535	243.34	042
170SD3	115.81	037	40176	203.94	019	40536	243.34	042
218SD	130.12	053	40176UV	998.00	013	40600	59.14	042
226ED4	43.79	037	40177	234.84	019	40601	94.64	042
226EDMC	66.03	037	40178	318.78	019	40602	94.64	042
226SD4	108.56	037	40181	230.51	019	40603	108.15	042
236PSD	184.74	053	40204	270.38	083	40604	116.60	042
236SD	148.14	053	40205	321.36	083	40605	113.20	042
258SD	165.04	053	40206	428.48	083	40606	116.60	042
280SD	224.19	053	40207	482.04	083	40607	141.94	042
11288ED	255.46	063	40224	346.08	083	40608	150.39	042
11288PED	213.51	063	40225	400.16	083	40609	175.74	042
11288PSD	269.46	063	40226	508.31	083	40716	865.20	077
11288SD	369.92	063	40227	562.38	083	40717	1,081.50	077
11289ED	323.43	063	40304	97.34	035	40718	1,405.95	077
11289SD	408.13	063	40305	118.97	035	40748	973.35	077
26706	750.00	017	40306	129.78	035	40749	1,189.65	077
40003	52.89	053	40307	173.04	035	40750	1,514.10	077
40004	69.72	053	40324	146.00	035	40801	143.17	069
40005	81.81	053	40325	167.63	035	40804	191.29	069
40101	84.62	029	40326	178.45	035	40807	360.62	069
40104	106.05	029	40327	221.71	035	40810	429.94	069
40107	133.90	029	40500	43.26	042	40821	373.22	079
40110	155.32	029	40501	70.30	042	40824	409.33	079
40113	128.70	027	40503	70.30	042	40827	409.33	079
40116	140.60	027	40504	112.48	042	40830	492.93	079
40119	178.45	027	40505	112.48	042	40833	540.63	079
40122	189.26	027	40510	173.04	042	40836	540.63	079
40131	66.48	023	40511	173.04	042	40839	597.87	079
40134	115.77	023	40512	173.04	042	40842	653.43	079
40137	140.75	023	40513	173.04	042	40845	653.43	079
40140	151.92	023	40514	173.04	042	40848	782.04	079
40143	196.74	023	40515	173.04	042	40851	855.42	079
40146	238.37	023	40516	173.04	042	40854	855.42	079
40151	50.99	019	40517	194.67	042	40861	286.01	073
40154	71.07	019	40518	194.67	042	40864	337.37	073
40157	124.44	019	40519	194.67	042	40867	531.79	073
40161	66.95	019	40520	194.67	042	40870	738.72	073
40161UV	865.00	013	40521	194.67	042	A136ESD	147.62	057
40164	91.67	019	40522	194.67	042	A158ESD	155.44	057
40166	112.27	019	40523	194.67	042	A236ED	110.50	057
40166UV	909.00	013	40530	243.34	042			

NEXT >

Analytical index

LUMINAIRES

Order Code	Price €	Page
A236ESD	167.93	057
A236EXSD	237.49	061
A258ED	119.16	057
A258ESD	186.68	057
A258EXSD	262.36	061
A280ESD	235.59	057
A280EXSD	317.39	061
CS100SD	809.09	089
CS150SD	931.39	089
CS250SD	1,023.11	089
CS50SD	686.77	089
CS70SD	723.24	089
F30LED	66.41	067
F50LED	83.04	067
F70LED	99.67	067
I418SD	274.89	033
I418SDPC	365.28	033
I418SDVT	395.68	033
LF218ED*	113.60	047
LF218SD*	170.51	047
LF236ED	156.31	047
LF236SD	213.17	047
LF280ED	184.74	047
LF280SD	241.47	047
P236SD	200.35	051
P258SD	223.54	051
S100EXLSD	762.07	085
S100EXSD	721.01	085
S100UCSD	716.58	085
S150EXLSD	875.80	085
S150EXSD	841.70	085
S250EXLSD	1,039.00	085
S250EXSD	984.31	085
S30UCSD	580.09	085
S50EXLSD	659.72	085
S50EXSD	625.58	085
S50UCSD	614.22	085
S70EXLSD	693.82	085
S70EXSD	659.72	085
S70UCSD	642.15	085

ACCESSORY

Order Code	Price €	Page
1232	47.30	033
3504	13.33	054
3505	11.00	054
3506	13.71	054
3507	15.18	054
3905	98.18	054
8063	100.00	057,061
10404	5.84	033
12657	37.22	070,089
12658	47.23	074,089
12659	71.43	070,074,080
12661	40.31	070,074
12662	51.38	070,074
12663	17.13	063,070,074,080
12664	35.72	070,074
12665	36.05	070
12666	51.50	080
15018	34.25	057
15019	32.11	057,061
15039	42.46	014,020,023,029,033,038
15040	42.46	057,061
20080	33.11	051
20081	46.10	051
20087	88.18	051
20088	18.89	051
20089	28.10	023
20097	28.10	029
20100	28.10	029
20101	28.10	023
20104SA	*	014.017
20107	70.79	057
20113	79.27	057
20122	23.53	057
20123	13.18	061
20125	13.18	061
20126	20.55	047
20127	9.14	047
20128	12.98	038
20129	57.58	038
20133	23.29	047
20134	15.00	047
20135	90.67	047
20136	116.41	047
20137	129.51	047
20138	44.77	047
20139	17.91	047

Order Code	Price	Page
20140	12.31	047
20141	12.31	047
20142	12.31	047
20144	22.39	048
20145	22.39	048
20146	34.69	048
20147	34.69	048
26721	141.50	014.017
40190	20.00	020
40191	21.00	020
40610	17.89	045
40611	145.00	042
40612	14.73	045
40613	20.00	045
40614	19.98	045
40615	29.46	045
40616	36.36	045
40617	13.64	045
40618	12.62	045
40900	32.45	083
40901	32.45	083
40902	28.12	083
40903	28.12	083
40904	43.26	083
40905	43.26	083
40906	43.26	083
40907	43.26	083
40908	21.63	083
40909	23.79	083
40930	65.91	077
40931	70.98	077
40932	65.91	077
40933	162.23	077
70033	13.30	020,023,029
70048	12.60	029

SYSTEMS

Order Code	Price €	Page
15022	75.91	011
15024	62.83	010
15034	56.62	010
15039	42.46	010
20104	61.66	011
20108	61.66	011
20109	562.59	009
21100	67.50	010
21102	1,400.00	009

EMERGENCY INVERTER

Order Code	Price €	Page (emergency side)
19355L	134.20	095
19358	78.51	095
19359	101.27	095
19367	91.35	095
19368	207.52	095
19371	118.66	095
19375	67.16	107
19376	55.97	099.097
19390	163.23	099
19391	147.69	099

Resistance of materials to various

Beghelli Spa guarantees the safety and performance of its luminaires when used in normal environmental conditions or in the temperature range for which they have been designed. In the case of extreme environmental conditions and/or in the presence of potentially aggressive chemicals, the assessment of the luminaire to be installed must take into account the chemical compatibility of the individual materials of which it is made, as indicated in each individual luminaire sheet.

CHEMICAL COMPONENT	THERMOPLASTICS			
	METACRYLATE (PMMA)	POLYCARBONATE (PC)	NYLON (PC)	PVC (PA)
ACETONE	✗	✓	✓	✓
20% ARSENIC ACID	✓	✓	-	✓
10% CITRIC ACID	✓	✓	✓	✓
20% CITRIC ACID	✓	✓	✓	✓
10% ACETIC ACID	✓	✓	✗	✓
HYDROCHLORIC ACID	✓	✓	✗	✓
20% HYDROCHLORIC ACID	✓	✓	✗	✓
CHROMIUM ACID	✓	✓	✓	✓
FORMIC ACID UP TO 30%.	✓	✓	✓	✓
20% NITRIC ACID	✓	✓	✗	✓
SULPHURIC ACID UP TO 30%.	✓	✓	✗	✓
ETHYL ALCOHOL	✗	✓	✓	✓
ISOPROPYL ALCOHOL	✓	✗	✓	-
ANILINE	✗	✓	✓	✗
10% AMMONIA	✓	✗	✓	✓
PETROL	✓	✓	✓	✓
BENZOL	✗	✗	✓	✗
ALCOHOLIC BEVERAGES	✓	✓	✓	✓
BROMINE	✗	✓	✗	✗
SEA CLIMATE	✓	✓	✓	✓
SEA WATER	✓	✓	✓	✓
WHITE LIME	✓	✓	✓	✓
DIESEL FUEL	✓	✓	✓	✓
LIQUID CHLORINE (VAPOURS)	✗	✗	-	✗
CHLOROFORM	✗	✗	✓	✗
CALCIUM CHLORIDE	✓	✓	✓	✓
FERRIC CHLORIDE	✓	✓	✓	✓
ESANE	✓	✗	✓	✓
ETHER	✗	✗	✗	✗
PETROLEUM ETHER (BENZENE)	✓	✗	✓	✓
ETHYLENE	✓	✗	✓	✗
FENOLS	✗	✗	✗	-
GLYCERIN	✓	✓	✓	✓
HYDROCARBONS	✓	✗	✓	-
METHANOL	✗	✗	✓	✓
MINERAL OILS	✓	✗	✓	✓
VEGETABLE OILS	✓	✓	✓	✓
SILICONE OIL	✓	✓	✓	✓
DIESEL OIL-NAFTA	✓	✓	✓	✓
EDIBLE OIL AND FATS	✓	✓	✓	✓
OZONE	✓	✓	✗	✓
POTASSIUM PERMANGANATE	✓	✓	✗	✓
SODA	✓	✓	✓	✓
CAUSTIC SODA	-	✓	✗	✓
ZINC SULPHATE	✓	✓	✓	✓
ALUMINIUM SULPHATE	✓	✓	✓	✓
COPPER SULPHATE	✓	✓	✗	✓
CARBON TETRACHLORIDE	✗	✗	✗	✗
TOLUENE	✗	✗	✓	✗
TRICHLOROETHYLENE	✗	✗	✓	✗

chemicals

✔ Resistant ⚠ Relatively resistant ✘ Not resistant

CHEMICAL COMPONENT	STEEL			OTHER MATERIALS	
	STAINLESS STEEL (304)	PRE-GALVANISED PAINTED	PAINTED	ALUMINIUM	GLASS
ACETONE	✔	✔	⚠	✔	✔
20% ARSENIC ACID	-	-	⚠	✘	⚠
10% CITRIC ACID	✔	⚠	⚠	⚠	✔
20% CITRIC ACID	✔	✘	✘	⚠	-
10% ACETIC ACID	✔	✘	✘	✘	✔
HYDROCHLORIC ACID	✘	✘	✘	✘	-
20% HYDROCHLORIC ACID	✘	✘	✘	✘	⚠
CHROMIUM ACID	✔	⚠	✘	⚠	⚠
FORMIC ACID UP TO 30%.	✔	✘	✘	✘	✘
20% NITRIC ACID	✔	✘	✘	✘	⚠
SULPHURIC ACID UP TO 30%.	✘	✘	✘	✘	⚠
ETHYL ALCOHOL	✔	✔	✔	✔	✔
ISOPROPYL ALCOHOL	✔	✔	✘	✔	✔
ANILINE	✔	✔	⚠	✘	✔
10% AMMONIA	✔	✔	✔	✔	⚠
PETROL	✔	✔	✔	✔	✔
BENZOL	✔	✔	✔	✔	✔
ALCOHOLIC BEVERAGES	✔	✔	✔	✔	✔
BROMINE	✘	✘	✘	✘	✔
SEA CLIMATE	✔	✘	✘	✘	✔
SEA WATER	✔	✘	✘	⚠	⚠
WHITE LIME	✔	✔	✔	⚠	-
DIESEL FUEL	✔	✔	✔	✔	-
LIQUID CHLORINE (VAPOURS)	✘	-	✘	✘	✘
CHLOROFORM	✔	✔	✔	✔	✔
CALCIUM CHLORIDE	⚠	✘	⚠	✘	✔
FERRIC CHLORIDE	✘	✘	✘	✘	-
ESANE	✔	✔	✔	✔	✔
ETHER	✔	✔	⚠	✔	✔
PETROLEUM ETHER (BENZENE)	✔	✔	✔	✔	-
ETHYLENE	✔	✘	✘	⚠	✔
FENOLS	✔	✘	✘	✔	✔
GLYCERIN	✔	✔	✔	✔	✔
HYDROCARBONS	✔	✔	✔	✔	✔
METHANOL	✔	✔	✔	⚠	✔
MINERAL OILS	✔	✔	✔	✔	✔
VEGETABLE OILS	✔	✔	✔	✔	✔
SILICONE OIL	✔	✔	✔	✔	✔
DIESEL OIL-NAFTA	✔	✔	✔	⚠	✔
EDIBLE OIL AND FATS	✔	⚠	⚠	✔	✔
OZONE	✔	⚠	✘	✔	✔
POTASSIUM PERMANGANATE	✔	✔	✔	✔	✔
SODA	✔	✔	✔	✘	✘
CAUSTIC SODA	✔	⚠	-	✘	✘
ZINC SULPHATE	⚠	✘	✘	✘	-
ALUMINIUM SULPHATE	⚠	✘	✘	✔	✔
COPPER SULPHATE	⚠	✘	✘	✘	✔
CARBON TETRACHLORIDE	⚠	✘	✘	✘	✔
TOLUENE	✔	✔	✔	✔	✔
TRICHLOROETHYLENE	⚠	⚠	⚠	✘	-

General terms and conditions of sale

1. ORDERS - FINALISATION OF AGREEMENTS

Product purchase orders shall be formulated in writing. Order placement is deemed irrevocable. All collaboration programs, orders, work orders and agreements are considered finalised by the written or verbal confirmation of the Seller or, however, as soon as the invoicing and/or delivery of the ordered products is initiated.

2. VARIANTS AND MODIFICATIONS

After order finalisation, any modification or addition to the content and conditions of the order shall be valid and will become effective only after the Buyer receives a confirmation variant from the Seller. The text of the Seller's confirmation or confirmation variant shall in all cases prevail over any other document. If the Buyer does not intend to accept the conditions that differ from his/her order, he/she must inform the Seller within 20 (twenty) days from the date of confirmation; otherwise, the confirmation variant will be considered fully accepted.

3. METHOD OF ACCEPTANCE

The Seller shall not be held liable for any unaccepted orders or for any failed or delayed delivery of the products part thereof. Acceptance and execution of the order are specifically subject to the availability of the products ordered as well as the absence of circumstances that may affect the availability of the same and the timeliness of their delivery.

4. TERMS OF DELIVERY

The delivery terms communicated by the Seller are purely indicative. Delivery terms expressed in days are normally counted in working days. Any changes to the delivery terms requested by the Buyer must be first accepted in writing by the Seller. Any delay in deliveries, as well as any interruption and/or total or partial suspension of supplies, even if not due to force majeure and/or accidental circumstances, will not entitle the Buyer to compensation for damages and/or to any other kind of indemnity or interest, except for the sole right to cancel the order, provided that the Seller is notified in advance, with at least thirty days before the day of receipt of the registered letter with acknowledgement of receipt sent by the Buyer.

5. FORCE MAJEURE

By way of example, but not limited to, the following are considered cases of force majeure: strikes, lockouts, riots, labour conflicts, fires, natural disasters, impossibility of supplying products, interruptions or difficulties in transport, delays of shipment, lack of raw materials, government acts, authority measures, contractual non-fulfilment by suppliers and, in general, any unforeseeable event that is outside the reasonable control of the Seller. In all such cases, as well as in the event of any accidental circumstances, the Seller reserves the right to suspend and/or delay the delivery of the products and even cancel the orders, even if already confirmed; this will not entitle the Buyer to compensation for damages and/or to any other kind of indemnity, including those for direct, indirect and consequential loss.

6. DELIVERY - TRANSPORT

The goods always travel at the risk and danger of the Buyer, even if delivered carriage paid and/or using a vehicle of the Seller; therefore, the Seller will not accept disputes for any product breakage and/or tampering. The delivery of the products is intended to be carried out at the Seller's headquarters in Monteveglio - Valsamoggia (Bologna) or at third party warehouses with which the Seller has entered into special agreements ("Ex works" condition - Incoterms 2010). Transport costs are borne by the Buyer. The Seller does not accept returns.

7. COMPLAINTS - PRODUCT REPLACEMENT

Any requests for replacement and complaints shall be handled by applying the safeguards provided by the applicable legislation in relation to the specific type of customer, professional operator or consumer. Upon product receipt, the Buyer must check its condition, the quantity delivered and its compliance with the delivery note. Any complaints concerning product quality, quantity or type shall be submitted in writing within 8 (eight) days from the date of receipt of the goods. After this period, without prejudice to the warranty conditions provided for the individual products, no claim can be made regarding the material and quality of the goods, or their condition in general. The Buyer may not, under any circumstances, return the products without the prior written authorisation of the Seller, nor delay and/or suspend the payment of invoices in whole or in part, not even in the case of complaints. If, in the opinion of the Seller, the claim is justified and has been filed within the warranty terms stated in the booklets accompanying the individual products, the obligation of the latter is limited only to the replacement of the nonconforming product in accordance with the delivery terms established for the first delivery. It is, therefore, excluded any right of the Buyer to cancel the order or to obtain any compensation for expenses and/or damages. The right to replace the contested product shall lapse if the product is not diligently stored, kept at the disposal of the Seller, and returned immediately to the place determined by the Seller.

8. APPLICATION OF WARRANTY

The warranty applies only to faults and/or defects in the conformity of the product in relation to the terms and conditions indicated in the declared and/or agreed technical specifications or in case of premature breakage of one of its parts. The validity period of the aforementioned warranty is at least 24 months from the date of purchase, which can be proved by presenting a valid tax document. Luminaires with extended warranties are marked in catalogues or instruction sheets with the number of years of total warranty in conjunction with the letter G (e.g., 5G marking for products with a 5-year warranty). As a general rule, the following extensions apply: emergency luminaires equipped with Lithium Iron batteries (LiFe) and centralised emergency lighting systems benefit from a 5-year warranty, those equipped with Lithium Titanate batteries (LTO) benefit from a 10-year warranty (for all parts, including batteries); EcoDriver or Dimmable luminaires benefit from a 3-year warranty, SmartDriver luminaires benefit from a 5-year warranty (for all parts, including sources). The warranty does not apply in case of tampering, to defects caused by accidental damage of any kind, including during transport and installation, in case of improper use or use in disagreement with the product specifications, in case of negligence in use and maintenance, errors in installation or connection, and installation performed by unqualified personnel or without respecting the state-of-the-art standards. Unless otherwise required by applicable law, the warranty is limited only to the replacement/repair of nonconforming products or parts, according to the delivery terms of the first delivery. All work performed under warranty by the Seller shall be subject to observance of the payment conditions by the Buyer.

9. PRICES

The prices indicated in the Seller's price lists are not binding; therefore, the Seller reserves the right to modify them until the time of delivery of the products. All prices are exclusive of VAT and any other tax charges.

10. PAYMENTS

All payments shall be made, within the terms and in the manner indicated by the Seller, to its headquarters in Monteveglio - Valsamoggia (Bologna) or to the appointed person authorised in writing by the Seller. In case of delay in payment, the defaulting buyer will be obliged to pay the Seller interests on late payment from the date of expiry of the contractual period until settlement, to the extent provided for in Legislative Decree 231/2002, apart from any compensation for any further damages incurred. Failure to comply with the payment terms by the Buyer will give the Seller the right to terminate the corresponding supply contract with immediate effect and to suspend the delivery of all products ordered without the need for any communication, with the consequent right of the Seller to demand the immediate payment of the entire credit as well as to claim compensation for the damages incurred. In case of non-fulfilment and/or worsening of the patrimonial conditions of the Buyer to a degree that may jeopardise the collection of the credit by the Seller, as well as in the event of prolonged delay in payments and/or high total debt exposure (also due to previous uncollected sales), the Seller reserves the right to apply the provisions of art. 1460 and 1461 CC, undertake appropriate precautionary actions and resort to any other form of self-protection permitted; it is further agreed that in such cases the Seller may suspend any and all supplies.

11. LIEN AGREEMENT

The products sold are subject to a lien agreement; therefore, the Seller will retain possession of the goods sold until their price is paid in full. The Buyer, therefore, undertakes to inform third parties of the existence and effectiveness of this Lien Agreement, as well as to safeguard the Seller's rights deriving from the same.

12. SAFEGUARDING – DISPUTES AND JURISDICTION

The invalidity or unenforceability of any of the clauses contained in these general conditions of sale shall not affect, or detract from the validity and enforceability of the other provisions; the Seller and the Buyer undertake to replace any clauses declared ineffective and/or null, or impracticable, with other provisions having similar effects. For any dispute or contestation relating to the interpretation, validity and execution of the order or, in any case, concerning the contracts to which these general conditions of sale apply shall be governed by the Italian Law. The Forum of Bologna shall have exclusive jurisdiction.

Product safety and European Directives

PRODUCT SAFETY AND EUROPEAN DIRECTIVES

Beghelli products are manufactured according to the state-of-the-art standards concerning safety and quality and will not affect, even when used under foreseeable overload conditions, the safety of persons, pets and property, on condition that they are correctly installed and used according to their intended purpose in the recommended environmental conditions and subject to proper maintenance by qualified personnel.

To the extent applicable, the products shall be manufactured in accordance with the requirements of Community Directives 2014/35/EU, 2014/30/EU, 2014/53/EU, 2014/30/EU, 2009/125/CE, 2001/65/CE.

The CE marking affixed to the product and/or packaging and/or any warnings of use accompanying the product attest to the conformity of the product with the aforementioned Directives. Beghelli has its own Technical Archive, available to the competent authorities for possible inspections, containing documentation demonstrating that the product has been examined to assess its compliance.

Products that do not fall within the scope of the above-mentioned EC Directives comply with the quality standards laid down by the regulations in force and by Directive 2001/95/CE ("General Product Safety Directive"), transposed by Legislative Decree No. 172/2004.

The data contained in this catalogue may be subject to change without notice.

The indications, dimensions, drawings and photos of the products and components are given for informational purposes only and may be modified without prior notice, as they do not constitute pre-contractual information. All products intended to be connected to the mains shall be installed in compliance with the installation standards in force in the country of use, observing the information contained in the Catalogue and/or the relevant instructions supplied with the product itself.

Environmental protection

WEEE DIRECTIVE 2012/19/EU

The quantities of waste from electrical and electronic equipment (WEEE) are rapidly increasing; most of the light sources are included in this category.

The main aim of the directive is to prevent WEEE from being discarded to landfills or incinerators at the end of their life, thereby causing further serious environmental impact.

Directive 2012/19/EU, therefore, sought to induce a control mechanism which provides for a controlled end-of-life management of the device by giving priority to its reuse or recycling. In addition, the legislative mechanism promotes design and production concepts that make it easier to dispose of the products in terms of both their disassembly and their materials.

All supply chain participants are invited to make their own contribution, some with regard to the economic aspects, some in terms of activity, so that the spirit of the directive is respected (and the environment is protected).

In Italy, the Directive has been transposed by Legislative Decree No. 49 of 14 March 2014.

THESE ARE THE MAIN OBLIGATIONS FORESEEN

The manufacturer (understood in a broad sense and, therefore, essentially as the person who affixes one's own brand on the goods and who imports them from third countries) is responsible for the costs of disposing of their products at the end of their life.

The consumer is required to guarantee an intelligent management of the product at the end of its life by sending it to a specially equipped site, a point of sale or by observing the instructions provided by the manufacturer.

Beghelli, always sensitive to environmental issues, is one of the founding members of the ECOLIGHT consortium.

Choosing products from companies that have joined voluntary consortia for the recovery and recycling of goods is the responsible and ecologically correct choice to protect the environment and our future.

Products falling under the scope of the WEEE Directive are identified by this symbol.



ROHS DIRECTIVE 2011/65/UE

In order to facilitate the recovery and recycling of electrical equipment and to prevent hazardous substances from accumulating into the environment, the European Community has enacted the ROHS Directive. Essentially, this Directive states that: Without prejudice to Annex 3, the placing on the market of new electrical and electronic equipment falling within the categories identified in Annex 1 containing lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ether (PBDE) in excess of the value indicated in Annex 2, shall be prohibited.

In Italy, the Directive has been transposed by Legislative Decree No. 27 of 4 March 2014.

ECOLIGHT



Dealer
IMQ mark



Partner **DIALUX**

Associate:



Appil



The technical data in this catalogue are constantly changing. To check the latest technical update of the luminaires, please refer to the electronic catalogue on www.beghelli.com.

Digital catalogues of the various product ranges are also available on the website and can also be requested in hard copy from:

BEGHELLI S.p.A. - Commercial Division - Via Mozzeghine, 13/15
Valsamoggia Loc. Monteveglio - 40053 BO

Numero Verde
800-626626

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Beghelli

BEGHELLI S.p.A. Via Mozzeghine 13/15 - 40053 Valsamoggia loc. Monteveglio
Bologna - Italy - Tel. +39 051 9660411 - info@beghelli.it - www.beghelli.com

097 general terms and conditions of sale

Recommended in the SanificaAria version

Optional

		APPLICATIONS										POWER MAX. W	LED MAX. lm	BRIGHTNESS (no auto-dimmer) lm/W	CHROMATIC YIELD CRI	BEAM CONT.
		Industry		Services												
SUSPENDED	POLE MOUNT	ATEX	NORMAL	LOGISTICS	SCHOOLS	HOSPITALS	SHOPPING CENTRES	HOTELS	SHOPS	OFFICES	PARKING					
✓					✓	✓	✓	✓	✓	✓		50	7000		>90	<19
✓					✓	✓	✓	✓	✓	✓		60				
✓					✓	✓	✓	✓	✓	✓		70	7000	125	>90	<19
✓					✓	✓	✓	✓	✓	✓		36	4000	111	>90	<19
					✓	✓	✓	✓	✓	✓		36	4000	111	>80	<19
					✓	✓	✓	✓	✓	✓		35	3500	100	>90	<19
✓					✓	✓	✓	✓	✓	✓		24	2700	113	>90	<19
✓					✓		✓		✓	✓		50	8000	160	>80	
✓					✓		✓		✓	✓		67	9000	134	>80	<19
✓					✓	✓	✓	✓	✓	✓		47	5100	109	>80	<19
			✓								✓	74	9600	130	>80	
		✓	✓								✓	74	9900	134	>80	
		✓	✓									74	9900	134	>80	
✓			✓				✓				✓	160	21300	133	>80	
			✓		✓	✓	✓	✓	✓			37	4000	108	>80	
✓	✓		✓		✓	✓	✓	✓			✓	110	16800	153	>80	
✓	✓		✓		✓	✓	✓	✓			✓	200	32400	162	>80	
	✓										✓	400	52000	130	>80	
✓			✓	✓								246	38850	158	>80	
✓			✓	✓								240	34000	142	>80	
	✓		✓	✓	✓	✓	✓	✓		✓	✓	130	16900	130	>80	
✓			✓	✓	✓	✓	✓	✓		✓	✓	130	15000	115	>80	