emergency

twenty-one

REVERSO

Beghelli

Let's start embracing the Earth again

Since 1982, we have been focusing on the interaction between technology and safety, a concept that has evolved up to now, and which for us translates into offering people the opportunity to enjoy a healthy and peaceful working and living environment.

LIGHT, the core of our business, now integrates more than ever those elements of well-being, safety and respect for the environment, which are the values and mission of our company.

We work directly with industrial and commercial entities in 9 different countries, and we distribute products in other 100 countries, safeguarding the human rights and equal opportunities of our collaborators.

Our passion for innovation, research and services translates into a technological offer that is ever closer to people's needs, while safeguarding the planet. Products such as the Salvalavita, the LED emergency luminaires and high energy-saving lighting are just a few examples.

We strongly believe that the only possible future is through respect for the environment. This is why we have a certified environmental management system.

This is why "ArchiEco", an architectural emergency range made of technopolymers of organic origin. This is why Titanium dioxide batteries, with a service life of up to 10 years, more than double that of conventional batteries.

This is why intelligent luminaires, with energy savings of up to 30% compared to standard LED luminaires.

This is why "SanificaAria", a technology capable of fighting Covid-19 as well as other flu viruses and bacteria, integrated, through a worldwide patent, even into a range of hybrid luminaires for lighting and emergency lighting.

In the years to come we will all have to think differently and act urgently to build a more sustainable future.

We will continue to strive to come up with innovations that help protect the safety of people and the environment in which we live and future generations will live.

The Beghelli SavePlanet project

Luminaire selection guide ▶

emergency professional

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Beghelli

Subject index

Luminaire selection guide

Luminaire selection guide

✅ Recommended

FAMILY LUMINAIRES EMERGENCY	PAGE	Std	AutoTest	Centralised self-testing		CentralTest			Centralised battery			SanificaAria	Orma laser	Archieco	INDOOR	OUTDOOR	RECESSED	503
		TR	AT	AT-OPT	AT-CBL	LG	LGFM	DALI	LG230	LG24	HT230							
LOGICA	012					✓	✓		✓	✓	✓				✓	✓	✓	
INFINITA / INFINITA X5	016				✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	
FORMULA 65	024	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	
PRATICA	028	✓	✓									✓			✓	✓	✓	
TICINQUE / TICINQUE TUTTOLED	032	✓	✓												✓	✓		
UP LED	036	✓		✓		✓	✓	✓							✓	✓		
COMPLETA	038	✓		✓		✓	✓	✓							✓	✓	✓	
STILE IN	042	✓										✓			✓		✓	
METRICA	044					✓	✓	✓	✓	✓	✓				✓	✓	✓	
LUNGALARGA LUCE	046			✓		✓	✓	✓	✓	✓	✓				✓		✓	
MULTI LENS	050	✓		✓		✓	✓	✓	✓	✓	✓				✓		✓	
LUMAX 65	052		✓			✓	✓		✓	✓	✓				✓	✓		
TUTTI FRUTTI, FRUTTOLUCE, LINEA 500	054	✓													✓			✓
BRAIN CLASSIC	060	✓													✓			✓
ACCIAIO	062					✓	✓	✓	✓	✓	✓				✓	✓		
LUNGALARGALUCE EXTREME	064			✓		✓	✓	✓	✓	✓	✓				✓	✓		
NU.DA	076	✓			✓	✓	✓							✓	✓			
DESIGN	078	✓												✓	✓		✓	
DOT	080	✓		✓		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
ZERO	082	✓		✓		✓	✓	✓	✓	✓	✓			✓	✓			
DESIGN FLAG	084	✓		✓		✓	✓	✓	✓	✓				✓	✓			
IRONFLAG	086	✓		✓		✓	✓	✓	✓	✓			✓		✓			
UP LED BANDIERA IP65	090	✓													✓	✓		
EXIT	088	✓		✓		✓	✓	✓	✓	✓	✓				✓			
INVERTER PLUG&LIGHT	092	✓													✓	✓		
INVERTER LED	094					✓	✓								✓	✓		

Emergency

ATEX	NORMAL	DESIGN	SCHOOLS	HOSPITALS	SHOPPING CENTRES	HOTELS	SHOPS	OFFICES	PUBLIC SHOWS	PARKING	RESID.	NiCd	NiMH	LiFe	Li-ion	LTO	LED MAX	1	1,5	2	3	4	5	6	8
	✅		✅	✅	✅				✅	✅			✅			✅	2000lm	✅	✅	✅	✅	✅	✅	✅	✅
	✅		🔵	🔵	🟠	✅	✅	✅	✅	✅						✅	1700lm	✅	✅	✅	✅	🟡		🟡	✅
	✅		🔵	🔵	🟠	✅	✅	✅	✅	✅		✅	✅	✅		✅	2200lm	✅	✅	✅	✅	🟡		🟡	✅
	✅		🔵			✅	✅	✅	✅	✅					✅		500lm		✅		✅				
	✅				🟠		✅		✅	✅					✅		1250lm	✅		✅	✅		✅		✅
		✅	✅			✅	✅	✅	✅		✅	✅	✅			✅	450lm	✅	✅	✅	✅				✅
	✅	✅	✅	✅	✅	✅	✅	✅	✅	✅	✅	✅	✅			✅	450lm	✅	✅	✅	✅				✅
		✅	🔵			✅	🔵	🔵			✅				✅		200lm	✅						✅	✅
		✅	✅	✅		✅	✅	✅	✅	✅	✅					✅	1600lm	✅	✅	🟡	✅		🟡		
		✅	✅	✅	✅	✅	✅	✅	✅							✅	450lm	✅	✅	✅	✅				✅
		✅	✅	✅		✅	✅	✅							✅	✅	450lm	✅	✅	✅	✅			✅	✅
										✅						✅	1500lm	✅			✅				✅
		✅				✅	✅	✅		✅		✅		✅	✅		N.D.	✅			✅				
		✅				✅	✅	✅			✅				✅		N.D.	✅							
✅	✅									✅			✅	✅			1800lm	✅			✅	✅			✅
✅	✅				✅					✅					✅	✅	3200lm	✅	✅	✅	✅				✅
		🟠	✅			✅	✅	✅	✅		✅				✅	✅	450lm	✅	✅	✅	✅				✅
		🟠	✅	✅		✅	✅	✅	✅		✅			✅			225lm	✅							
		🟠	✅	✅	✅	✅	✅	✅	✅	✅					✅	✅	1000lm	✅	✅	✅	✅				✅
		🟠	✅			✅	✅	✅			✅				✅	✅	1000lm	✅	✅	✅	✅				✅
		🟠	✅			✅	✅	✅	✅						✅	✅	DV 20m	✅	✅	✅	✅				✅
	✅		✅	✅	✅	✅	✅	✅	✅	✅					✅	✅	DV 20-30m	✅	✅	✅	✅				
	✅		✅	✅	✅	✅	✅	✅	✅	✅		✅				✅	DV 40m		✅						
	✅		✅	✅	✅	✅	✅	✅	✅	✅				✅		✅	DV 20-30-60m	✅	✅	✅	✅				✅
	✅											✅	✅				3W	✅			✅				
	✅									✅					✅	✅	15W	✅	🟡	✅	✅	🟡		🟡	✅

Table of Contents

emergency

LG (LOGICA)	LGFM	DALI	LG230	LG24	HT230
AUTOTEST self-contained luminaires with centralised diagnostics and control with LG Control Unit. Even remotely with NuBE CLOUD.	Self-contained luminaires with centralised RADIO diagnostics and control with LGFM Control Unit. Even remotely with NuBE CLOUD.	Self-contained luminaires with centralised DALI diagnostics and control by integrating the optional DALI module.	Luminaires powered by centralised 216VDC batteries	Luminaires powered by centralised 24VDC batteries	Luminaires powered from the mains, the emergency power supply units and the LG230 system.
NuBe P. 010	NuBe P. 010	P. 010	NuBe P. 010	NuBe P. 010	P. 010
CENTRALTEST			CENTRALISED BATTERY		

■ CENTRALISED BATTERY AND NuBe CLOUD SYSTEMS

IP40 IP20	**Logica 230** LG230	P. 108		
IP40 IP54	**Logica 24** Logica 24 Dynamic Dynamic luminaires LG24	P. 120		

■ POWER SUPPLY UNITS

IP21	**Emergency power supply units** HT230	P. 132

IP65 - IP42	NEW **Pratica IP65 Pratica IP42** TR, AT	P. 028

IP65 - IP42	**Ticinque Ticinque TuttoLED** TR, AT	P. 032

IP65	**UpLED** TR, AT-OPT, LG, LGFM, DALI	WARRANTY 10 YEARS	P. 036

IP42	**Lungalargaluce** ceiling/recessed AT-OPT, LG230, LG24, HT230, LG, LGFM, DALI	WARRANTY 10 YEARS	P. 046

IP42	**Multi Lens** TR, AT-OPT LG, LGFM, DALI	WARRANTY 10 YEARS	P. 050

IP65	**Lumax 65** AT, LG, LGFM, LG230 LG24, HT230	WARRANTY 10 YEARS	P. 052

⟨Ex⟩ - ATEX EMERGENCY

IP66	⟨Ex⟩ **Acciaio emergenza** LG, LGFM, LG230, HT230	P. 062

IP65	⟨Ex⟩ **Lungalargaluce Extreme** AT, AT-OPT, LG, LGFM, DALI, LG230, LG24, HT230	WARRANTY 10 YEARS	P. 064

IP20	NEW **Infinita SanificaAria** AT-CBL, LG, LGFM, DALI	P. 074

IP40	NEW **Zero** TR, AT-OPT, LG, LGFM LG24, LG230, DALI, HT230	WARRANTY 10 YEARS	P. 082

IP40	NEW **Design Flag** ORMA Laser Module TR, AT-OPT, LG, LGFM, DALI LG230, LG24, HT230	WARRANTY 10 YEARS	P. 084

■ EMERGENCY CONVERSION KIT

IP65 - IP40	**LED Inverter Plug&Light** TR	P. 092

IP65 - IP20	**LED Inverter** LG, LGFM	WARRANTY 10 YEARS	P. 094

Exclusive Beghelli proposals

## BEGHELLI NUBE CLOUD, THE RIGHT PLACE FOR YOUR SYSTEMS

NuBe is the **Cloud** platform to **access and manage all Beghelli systems.** Available to all Beghelli system installers and users, it allows you to manage and control **both lighting and emergency lighting,** both for self-contained luminaires and for centralised battery luminaires. Among the varied offered services, **predictive maintenance** can be activated, which can anticipate maintenance works on the system to prevent malfunctions.

B.CONNECT THE GATEWAY TO CENTRALISED SYSTEMS

Single App to manage all control systems of Beghelli self-contained luminaires. **It allows direct access to the luminaire, to the control unit or to the Beghelli NuBe Cloud platform**. The connection to Beghelli control units is secured, password-protected. The control unit can be easily programmed by reading the unique QR code that can be found on all compatible control units, which recognises the control system (CBL, LG, LGFM) to immediately manage each individual device.
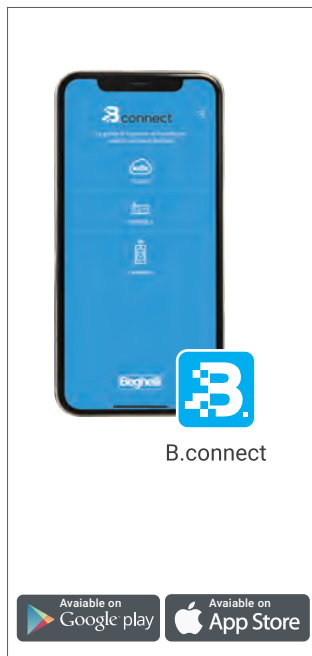
INTEGRATED AIR SANITIZER IN EMERGENCY LUMINAIRES

Hybrid emergency luminaires with integrated air sanitizer. Thanks to the exclusive **uvOxy® technology**, with a closed-chamber UV-C ray flow cell and no ozone emissions, the system eliminates any risk during operation and allows a **continuous sanitisation of rooms in the presence of people**. Numerous tests, carried out in accredited laboratories, are available online and they certify **a sanitising efficacy of over 99% against** Coronavirus and bacteria far more aggressive than COVID-19.

PAINTABLE ENVIRONMENTALLY - FRIENDLY DESIGN EMERGENCY LUMINAIRE

The new emergency range for the world of lighting designers. An innovative concept that makes it possible to **make installed luminaires "disappear" thanks to a surface treatment that allows them to be painted,** even with normal wall paints. In addition, the ArchiEco range maintains a **reduced environmental impact** thanks to the use of completely renewable materials, recycled or biodegradable and compostable raw materials such as PHA, a polymer of organic origin.

BATTERY WITH TOP PER-FORMANCE GUARANTEED FOR 10 YEARS

Beghelli uses **Titanium Dioxide** (LTO) **batteries**, with a maximum efficiency even in extreme environmental and operating conditions. The use of Titanium Dioxide technology in emergency luminaires ensures a unique performance in terms of durability and reliability, first and foremost the **high recharging speed that allows achieving 80% of the autonomy after just 2hrs of recharging**. Emergency luminaires incorporating this technology are covered by a **10-year guarantee**.

DOUBLE SAFETY FOR 230V CENTRALISED POWER SUPPLY

DRM Autoripara can be integrated into centrally-powered emergency luminaires (LG230). **In the event of a disaster interrupting the centralised power supply lines, the DRM module takes over from the built-in Titanium battery** of the device. In addition, the **10-year lifespan** of the integrated Titanium battery aligns the luminaires with the testing times of the centralised batteries, thus synchronising maintenance throughout the system.

INFINITE AUTONOMY, SO AS NOT TO NEVER REMAIN IN THE DARK

The Infinity Mode can be enabled in all **Cablecom (CBL)** luminaires, either in AutoTest or CentralTest version. Thanks to the CableCom communication BUS, which allows the same cables to be used both for power supply and for data transmission, in the event of a blackout, **when the rated autonomy is over, the CBL Bus will supply the electricity needed to keep the luminaire switched on over an infinite autonomy** (at a reduced flux, power supplied from the CableCom CBL BUS line).
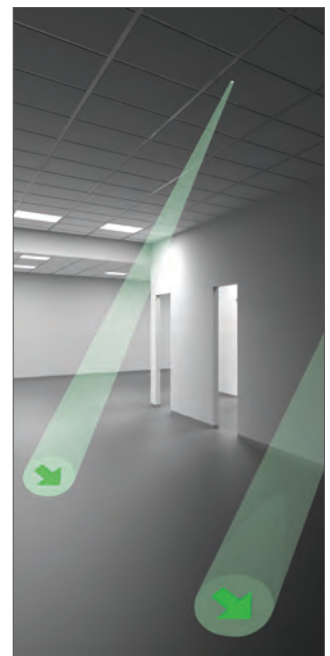

MODULO ORMA, THE SIGNAGE OF THE FUTURE

Virtual light pictogram to indicate the nearest escape route on the ground. The system consists of a **laser micro-projector** that emits a bright and prominent arrow-shaped asymmetrical conical beam. The Modulo Orma can be integrated into some of the latest generation of emergency or signage products, providing great flexibility. In fact, to position the light signal on the ground in the correct direction, simply rotate the body of the device.

DEVICE WARRANTY

FAST CHARGING

LONG LIFESPAN, UP TO 7,000 CHARGING CYCLES

MAXIMUM CELL SAFETY IN THE EVENT OF A SHORT CIRCUIT
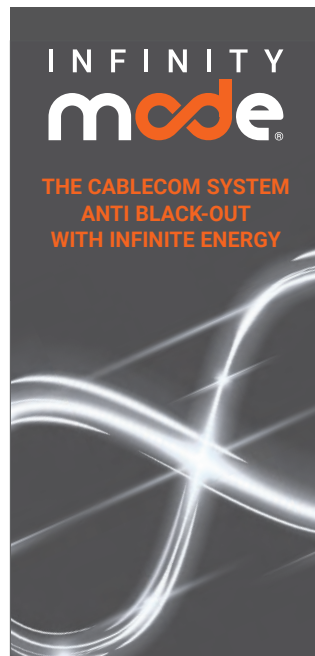
THE CABLECOM SYSTEM ANTI BLACK-OUT WITH INFINITE ENERGY

NuBe - the Cloud to manage, control

BEGHELLI NUBE CLOUD, THE RIGHT PLACE FOR YOUR SYSTEMS

NuBe is the **Cloud** platform to **access and manage all Beghelli systems**. Available to all Beghelli system installers and users, it allows you to manage and control **both lighting and emergency lighting,** both for self-contained luminaires and for centralised battery luminaires. Available free of charge in the Basic version or in the Professional version, which further extends the platform's many possibilities, such as **predictive maintenance**. This can anticipate the user's maintenance operations to prevent malfunctions.

YOUR SYSTEM DATA ARE SAFE AND ALWAYS AVAILABLE

Beghelli devices securely connect to the NuBe platform via end-to-end encryption, which guarantees high security standards.

After login using credentials, an installer will be able to navigate on the platform, with the most up-to-date security, confidentiality and data integrity protocols. Availability of information on the installed systems is guaranteed, and access is possible from any device, from a mobile workstation or from one's own office, with real-time evidence of occurring malfunctions or that still need to be managed. Customers will also be able to access their system, with a less technical and more simplified display of information, adapted to their needs.

Even in the event of a black-out, battery-powered Beghelli control units continue to manage the system, carrying out their work locally. Operation is guaranteed even in the absence of connectivity, the control units autonomously collect data from the system, and they publish local data on the NuBe as soon as the internet connection is restored.

and archive your systems

NUBE PRO ADVANCED FEATURES

The NuBe PRO version further extends the features of the portal. There is no longer any limit to the number of control units that can be connected, and therefore the number of luminaires, which can also be from different control systems, both for emergency lighting and lighting (CBL+LG+LGFM+SD). Upgrading to the NuBe PRO version offers access to advanced services such as the insertion of emergency luminaires on photos or room plans, unlimited LogBook history and predictive maintenance capable of anticipating malfunctions, foreseeing the maintenance interventions needed for a correct operation of the system.

NuBe	MAX. NUMBER OF LUMINAIRES PER SYSTEM	* MULTI-SYSTEM MANAGEMENT	SYSTEM AND MAX. NO. OF CONTROL UNITS PER SYSTEM	SYSTEM LOGBOOK HISTORY	PREDICTIVE MAINTENANCE	ROOM PHOTO MANAGEMENT	PLANIMETRY MANAGEMENT	SPARE PART MANAGEMENT	NOTIFICATION MANAGEMENT
NuBe	256		8 x **CBL** Cablecom *alternatively* 2 x **LG** Compact *alternatively* 1 x **LGFM** Compact	12 MONTHS					BASIC
NuBe PRO	NO LIMITS	✔	*No limit on the no. of* **CBL** Cablecom **LG** Compact **LGFM** Compact **LGFM SD** Logica	NO LIMITS	✔	✔	✔	✔	ADVANCED

* Option valid both for CB - LG - LGFM emergency control systems and for SD lighting systems

OVERVIEW
System status with a dynamic live graph, signalling of any faults and access to the latest reports.
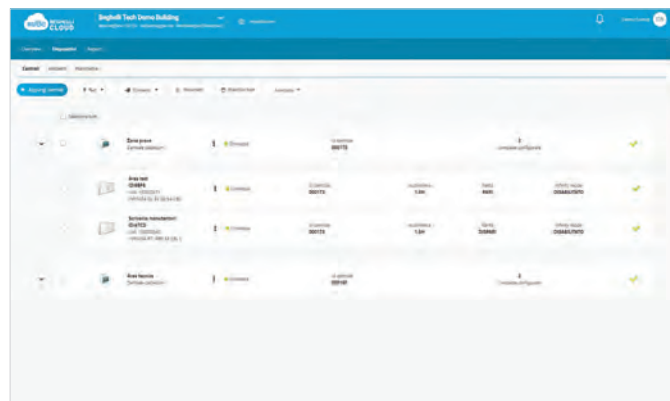
DEVICES
Tree view of devices (control units and emergency luminaires) with a description of their current status.
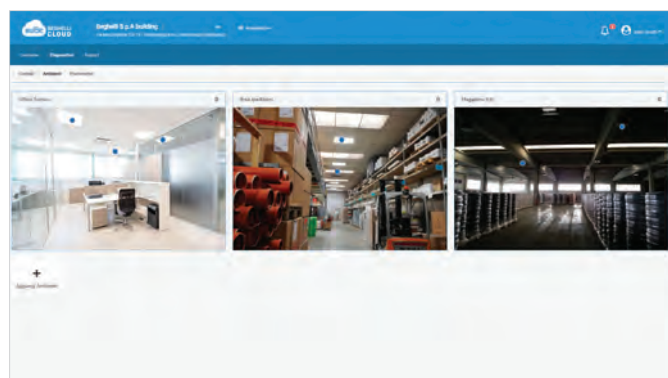
ENVIRONMENTS
Positioning of luminaires on existing room photos
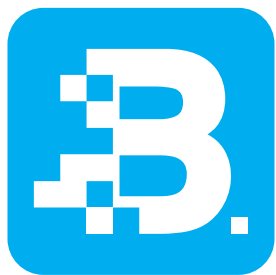(by drag and drop onto the photo in the desired position).

PLANIMETRY
Positioning of devices on floor plans
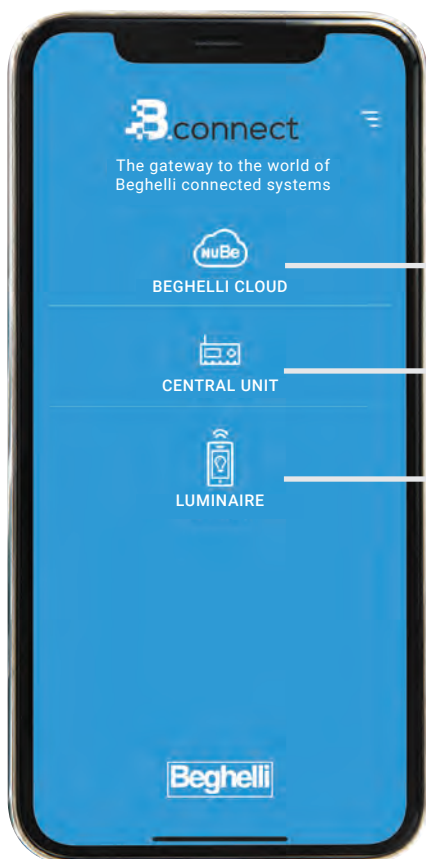(by drag and drop onto the photo in the desired position).

emergency

B.connect

Single App to manage all control systems of Beghelli self-contained luminaires. **It allows direct access to the luminaire, to the control unit or to the Beghelli NuBe Cloud platform**. The connection with Beghelli control units is secured, password-protected, and it can be made by reading the QR code found on all compatible control units.

Avaiable on
Google play

Avaiable on
App Store

B.connect
The gateway to the world of Beghelli connected systems

BEGHELLI CLOUD

CENTRAL UNIT

LUMINAIRE

Beghelli

ACCESS TO THE SYSTEM THROUGH THE BEGHELLI CLOUD

The APP allows direct access to the NuBe platform. All programming, remote control and system logbook view functions become available immediately.
NuBe stores all configurations of all systems and makes them always available on your smartphone.

ACCESS TO THE SYSTEM THROUGH DIRECT COMMUNICATION WITH THE CONTROL UNIT

B.connect is designed for a direct reading of the QR code of the control unit, which will detect the identification of the device and will also recognise the type of control system (CBL, LG, LGFM). After logging in, the main control and management functions of the entire system will already be available. The system uses local WiFi technology that does not require an internet connection.
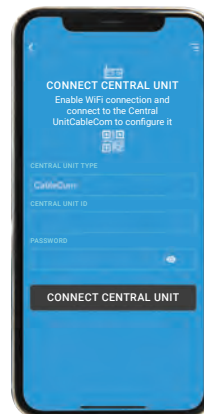
DIRECT ACCESS TO THE EQUIPMENT THROUGH OPTICAL COMMUNICATION

In this mode, it is possible to directly communicate with the luminaires via the smartphone flash. A patented communication technology that allows light impulses to be transmitted to luminaires that have an intelligent light sensor. The commands that can be set are for programming lamp parameters and conducting functional tests as well as the management of the sanitisation system integrated in the hybrid luminaires of the SanificaAria series.
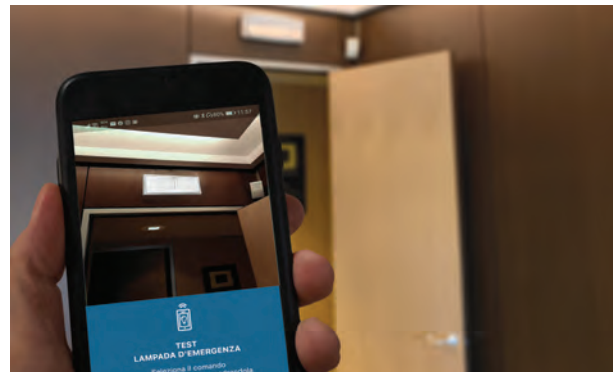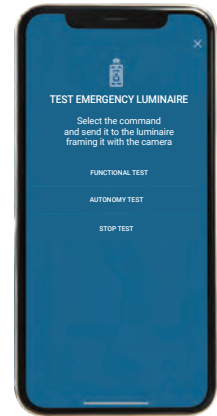
CONFIGURE EMERGENCY LUMINAIRE

Select the configuration parameter, then frame the emergency luminaire and send the optical command

AUTONOMY TIME

MODE

EVEN/ODD

INFINITY MODE

TEST DURATION

SYNC LUMINAIRES
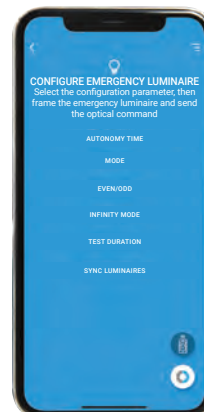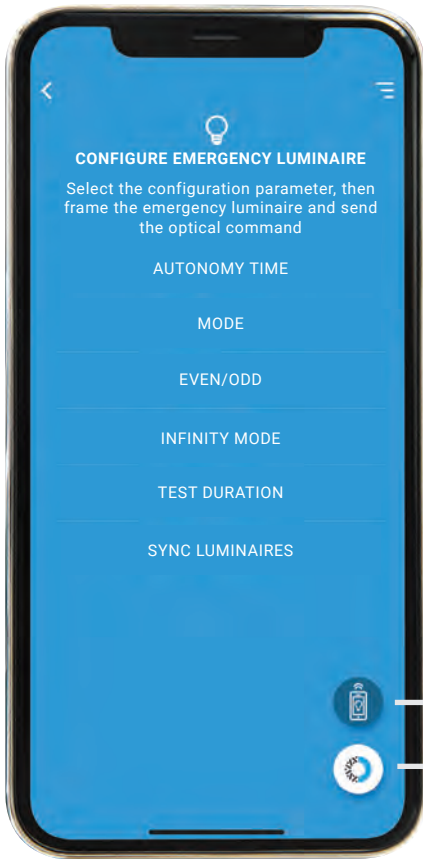
LAMP TEST

B.connect can enable all functional and autonomy tests required by current emergency lighting regulations. The commands are transmitted directly from the smartphone to each individual luminaire equipped with an intelligent light sensor.

Optical communications between the smartphone flash and the intelligent light sensor integrated in compatible emergency luminaires

AIR SANITISATION

The speed-adjustable luminaires of the SanificaAria series are provided with an intelligent light sensor that can receive light commands transmitted from the B.Connect App via the smartphone flash. This mode allows you to enable or disable the sanitising process, to set the speed of the fans that introduce air into the uvOxy® sanitising cell and to manage the sanitising times according to the environment and the requirements.

Guide to control systems

FROM LOCAL DIAGNOSTICS
TO SELF-DIAGNOSIS WITH CENTRALISED CONTROL

Beghelli emergency luminaires always comply with EN 50171, EN 50172, EN 62040-1-1, EN 62040-2, and are available in different control modes. **TR** means luminaires in standard version with local battery control, **AT** are luminaires with local diagnostics of all luminaire functions; in the **AT-OPT** (AutoTest Opticom) and **AT-CBL** (AutoTest Cablecom) versions, modules (to be ordered separately) can be integrated into the luminaire for connection to **LG** (Logica), **LGFM** (Logica radio FM) and **DALI** centralised systems. Luminaires are also available in Centratest mode, to be used in conjunction with the **CBL** (Cablecom)**, LG, LGFM, LG24** (Logica 24V) and **LG230** (Logica 230V) control units.

SYSTEM	SELF-DIAGNOSTICS	CENTRALISED POWER SUPPLY	CENTRALISED CONTROL	MAX. NUMBER OF LUMINAIRES	BUS	RADIO	POWER SUPPLY VOLTAGE	APP LOCAL	CLOUD NUBE	CLOUD NUBE PRO	POSSIBILITIES FOR EXPANSION	CONTROL UNIT Order Code
TR							230VAC					-
AT	✓						230VAC					-
AT-OPT	✓						230VAC	✓			LG, LGFM, DALI	-
AT-CBL	✓		✓	32/Infinite*			230VAC	✓	✓		LG, LGFM, DALI	20151
LG	✓		✓	Up to 128/3968**	✓		230VAC	✓	✓			12100C
LGFM	✓		✓	256 (12128C) 996 (21102)		✓	230VAC	✓	✓			12128C 21102
DALI	✓		✓	Up to 64	✓		230VAC	✓	✓			12100C
LG230	✓	✓	✓	3072			230VAC/216VDC		✓			See p. 108
LG24	✓	✓	✓	256			24VDC		✓			See p. 120
HT230		✓					230VAC/216VDC					-

* Each system connected to the NuBe Cloud can manage an infinite number of control units and, therefore, of luminaires. In particular, with the CBL control units, large-scale systems can be implemented with ease
** By integrating the **Supervisor Control Unit Order Code 12131C**, up to 3968 devices can be connected (128 luminaires x 31 LG Logica control units)

Logica SD LGFM Control Unit — P. 104

Logica Connect LGFM Control Unit — P. 102

Logica Connect LG Control Unit — P. 100

RADIO · RADIO · RADIO · BUS

SD luminaires for lighting

LG luminaires + LGFM module

LGFM luminaires

AT-OPT luminaires + LGFM module

AT-OPT luminaires + LG module
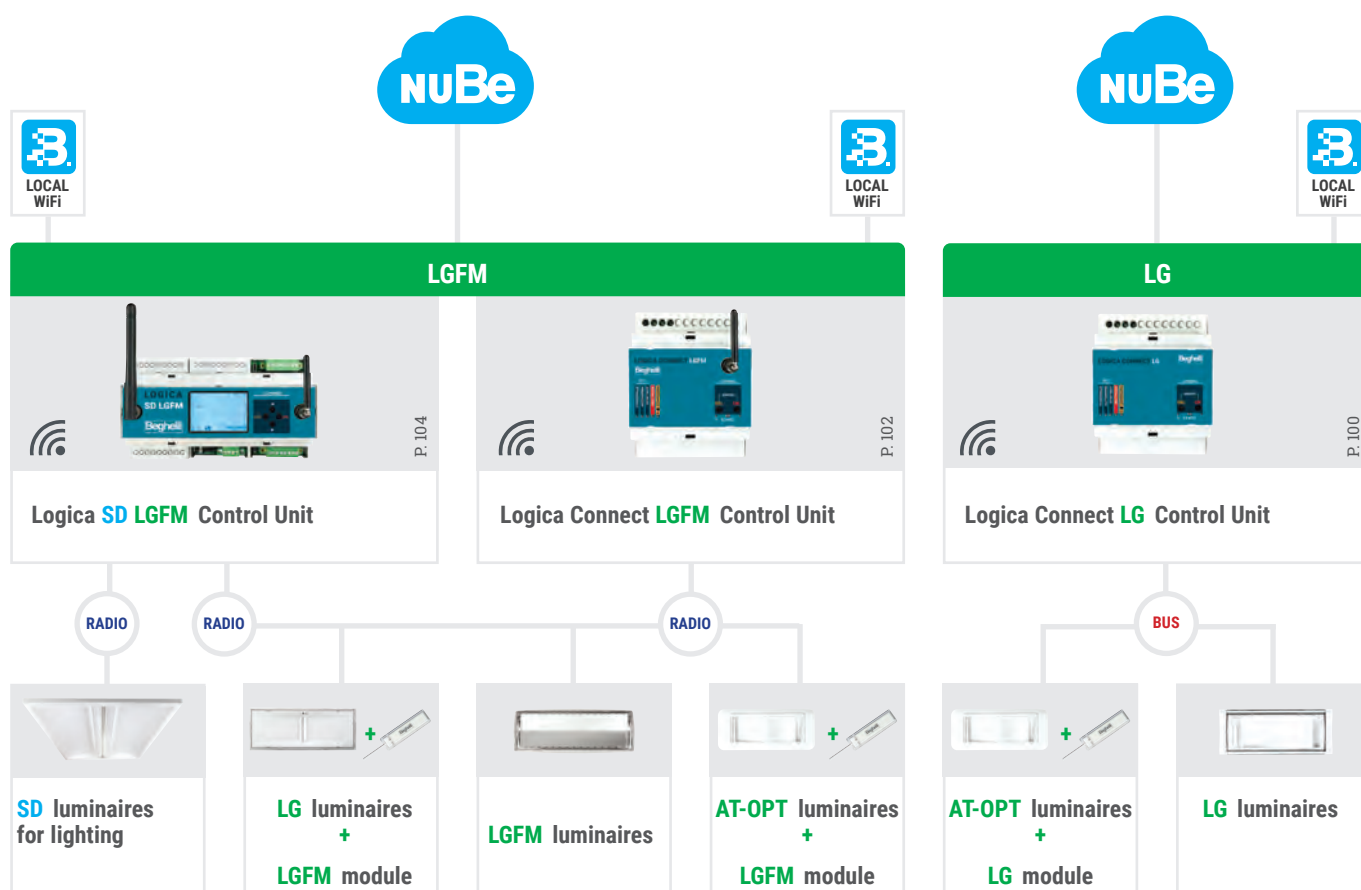
LG luminaires

CENTRALTEST, SELF-CONTAINED LUMINAIRES

CBL (Cablecom) is the easiest way to centralise the control and diagnosis of emergency systems, thanks to its innovative data transmission system that directly uses the emergency power lines without adding a dedicated BUS line. **LG** (Logica) is an advanced management system for the entire emergency system, requiring a dedicated BUS line, but offering best-in-class possibilities. If maximum performance is required, but it is not possible to insert a dedicated BUS line, **LGFM** (Logica Radio FM) allows the management of the entire emergency system via radio, without additional wiring.

CENTRALTEST, CENTRALISED BATTERY LUMINAIRES

When the need arises for a centralised battery control system, **LG230** (Logica 230V) makes it possible to create even large systems that are perfectly manageable thanks to the wide range of accessory emergency power supply units that allow expansion and splitting. For smaller systems, **LG24** (Logica 24V) is ideal. It uses 24VDC to power the devices, guaranteeing extreme safety in all fields of application, thanks to the low operating voltage of the dedicated power lines. The systems are complementary and can be integrated into the same overall system.

SINGLE INTERFACE FOR CENTRALISED SYSTEMS

All Beghelli systems use the **B.connect APP** for the local programming of main parameters.

From the same APP, you can connect to the **NuBe Cloud Portal**, where luminaire management and system programming is more advanced and can also be done remotely.

NuBe is not only a WEB portal for the control and management of Beghelli systems, but it also allows cloud storage of system data.

The centralised battery systems, equipped with a touch screen and WEB connection, can be connected to NuBe even without the **B.connect APP.**

NuBe PRO ALLOWS THE AGGREGATION OF SEVERAL CONTROL UNITS, EVEN FROM DIFFERENT SYSTEMS. IT OPERATES AS A SINGLE SUPERVISOR CONTROL UNIT THAT CAN MANAGE AN INFINITE NUMBER OF CONTROL UNITS AND THEREFORE LUMINAIRES, INCLUDING LIGHTING.

AT-CBL

P. 098

Cablecom Connect **CBL** Control Unit

LOCAL WiFi

NETWORK 230V

CBL luminaires

LG230

P. 108

Logica 230V **LG230** Control Unit

230VAC 216VDC

LG230 luminaires

LG24

P. 120

Logica 24V **LG24** Control Unit

24VDC

LG24 luminaires

Logica

NUBe

⭐ Luminous flux up to **2,000 lm**, and adjustable autonomy. Fast-charging **Titanium battery**, with 10 years of service life and for extreme working temperatures.

⛶ Great flexibility thanks to multiple versions and accessories for all installation requirements. Pictograms supplied.

🪛 **Quick-fit bracket** with level bubble to speed up correct positioning, mounting and maintenance time.

Applications

Industry, Services, Hospitals, Schools, Hotels, Restaurants

Characteristics

Power supply* 230VAC ± 10%, 50÷60Hz

Mounting Wall, ceiling, recessed, false ceiling

Recharging time 12h with LTO battery

Housing Polycarbonate, white RAL 9003

Optics Symmetrical, anti-glare metallic polycarbonate

Screen Clear polycarbonate

Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

* LG230, LG24, HT systems consider the parameters of the control unit used

| IP65 | IK07 | 850° | ▢ | Batt. LTO +45°C -20°C | Batt. NiMH +40°C 0°C | Batt. Pb +40°C 0°C |

TITANIUM BATTERY **10 YEARS** WARRANTY
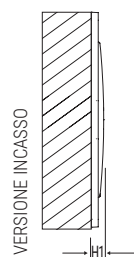
Version	Dimensions mm				Distance of visibility (DV)
	L	B	H	H1	
Standard	406	147	63	-	20m
Recessed	440	170	-	10	20m

VERSIONE INCASSO

Performance according to EN 1838

Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	11	-	6x9	-
3	-	19	-	10x16
7	-	28	-	12x26
	Lighting >1lx at floor level along the centre line without reflections Emax/Emin <40		Lighting >0.5lx at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 19410** 1100 lm			Maintenance coefficient 0.8	

LOGICA
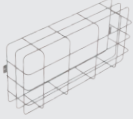
■ C0-C180   ■ C90-C270

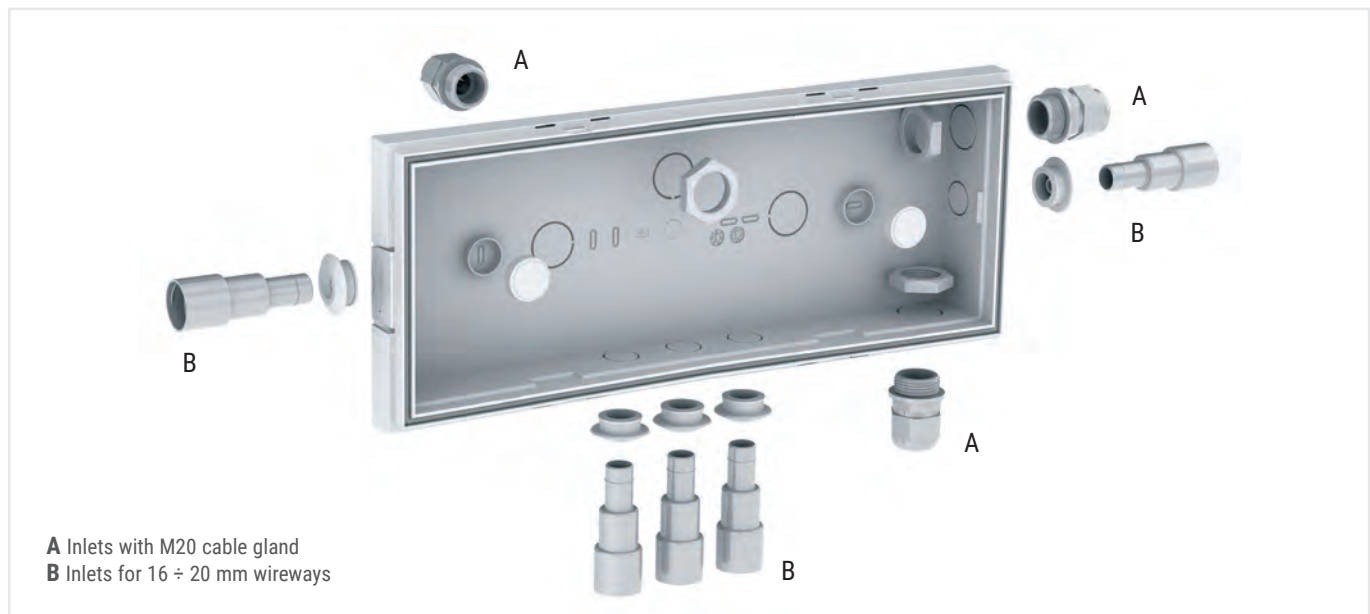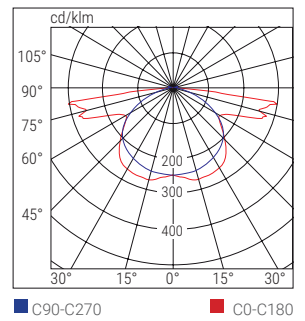|	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	Batt. AUTORIPARA SUPPLIED Flux SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/Multi pack	Conform.
LG	12182	8	LOG LED LG 8W SE 2/4/6H	SE	2/4/6	Pb 6V 4Ah	750/450/350		-		4W	2.2	1/6	☇
	12185	8	LOG LED LG 8W SA/PS 2/4/6H	SA/SE/PS	2/4/6	NiMh 7.2V 2.5Ah	750/450/350		400		8W	2.2	1/6	☇
	12183	11	LOG LED LG 11W SE 1.5/3/4H	SE	1.5/3/4	Pb 6V 4Ah	900/550/450		-		4W	2.2	1/6	☇
	12186	11	LOG LED LG 11W SA/PS 1.5/3/4H	SA/SE/PS	1.5/3/4	NiMh 7.2V 2.5Ah	900/550/450		500		10W	2.2	1/6	☇
	12184	24	LOG LED LG 24W SE 1/2/3H	SE	1/2/3	Pb 6V 4Ah	1100/750/550		-		6W	2.2	1/6	☇
	12187	24	LOG LED LG 24W SA/PS 1/2/3H	SA/SE/PS	1/2/3	NiMh 7.2V 2.5Ah	1100/750/550		600		14W	2.2	1/6	☇
	19410	36	LOGICA LED LTO LGAR SE 1100LM	SE	1/1.5/3*	LTO 9.6V 1.2Ah	➔	2000/1500/800			7W	2.2	1/6	☇
	19411	36	LOGICA LED LTO LGAR SA 1100LM	SA/SE/PS	1/1.5/3*	LTO 9.6V 1.2Ah	➔	2000/1500/800	1000		13W	2.2	1/6	
LGFM	12182FM	8	LOG LED LGFM 8W SE 2/4/6H	SE	2/4/6	Pb 6V 4Ah	750/450/350		-		5W	2.2	1/6	☇
	12185FM	8	LOG LED LGFM 8W SA/PS 2/4/6H	SA/SE/PS	2/4/6	NiMh 7.2V 2.5Ah	750/450/350		400		9W	2.2	1/6	☇
	12183FM	11	LOG LED LGFM 11W SE 1.5/3/4H	SE	1.5/3/4	Pb 6V 4Ah	900/550/450		-		5W	2.2	1/6	☇
	12186FM	11	LOG LED LGFM 11W SA/PS 1.5/3/4H	SA/SE/PS	1.5/3/4	NiMh 7.2V 2.5Ah	900/550/450		500		11W	2.2	1/6	☇
	12184FM	24	LOG LED LGFM 24W SE 1/2/3H	SE	1/2/3	Pb 6V 4Ah	1100/750/550		-		7W	2.2	1/6	☇
	12187FM	24	LOG LED LGFM 24W SA/PS 1/2/3H	SA/SE/PS	1/2/3	NiMh 7.2V 2.5Ah	1100/750/550		600		15W	2.2	1/6	☇
LG230	31140	8	LOGICA LED 8W LG230						400	4.1W	8.5VA	1.4	1/6	
	31141	11	LOGICA LED 11W LG230 LS-UV						500	6.4W	8.1VA	1.8	1/6	
	31099	24	LOGICA LED 24W LG230 LS-UV						900	10.4W	12VA	1.8	1/6	
	31120	36	LOGICA LED 36W LG230 LS-UV						1400	15W	15.9VA	1.8	1/6	
LG24	32096	8	LOGICA LED 8W LGS24				400		400	3.8W	-	1.8	1/6	
	32089	36	LOGICA LED 36W LGS24 LS-UV				400		1400	4.3W	15.4VA	1.8	1/6	
HT230	17403	8	LOGICA LED 8W HT						400	4.4W	8.9VA	1.4	1/6	
	17404	11	LOGICA LED 11W HT						550	6.1W	6.4VA	1.8	1/6	
	17405	24	LOGICA LED 24W HT						900	10.2W	10.4VA	1.8	1/6	
	17406	36	LOGICA LED 36W HT						1400	14.3W	14.5VA	1.8	1/6	

CENTRALTEST (LG, LGFM) — CENTRALISED BATTERY (LG230, LG24, HT230)

∗ The indicated flux and autonomy refer to the luminaire set in HIGH FLUX mode - with the LONG OPERATING TIME setting, the autonomy doubles and the flux is reduced.

Logica

ACCESSORIES - included

AR LTO 9.6V 1.2Ah BATTERY SYSTEM
Compatible with Order Code **19410 - 19411**

Order Code **RA04 -** LTO 9.6V 1.2Ah

CABLE CONDUIT GLAND

QUICK WALL MOUNTING BRACKET IP65

Order Code **12199**

RH SCREEN - SA version only
Screen printing on opal polycarbonate

Order Code **12175**

LH SCREEN - SA version only
Screen printing on opal polycarbonate

Order Code **12176**

DOWN SCREEN - SA version only
Screen printing on opal polycarbonate

Order Code **12177**

ACCESSORIES - to be ordered separately

RECESSED FRAME BOX

Order Code **12179**

FALSE CEILING BRACKET
Recess hole 414X150 mm

Order Code **12180**

PROTECTIVE GRILLE
Dimensions 440x215x99 mm

Order Code **3912**

LG INIBIT REMOTE CONTROL
RM for LG versions only

Order Code **12101**   **LG**

UP SCREEN
Screen printing on opal polycarbonate

Order Code **12178**

RH SCREEN
Screen printing on opal polycarbonate

Order Code **12175**

LH SCREEN
Screen printing on opal polycarbonate

Order Code **12176**

DOWN SCREEN
Screen printing on opal polycarbonate

Order Code **12177**

Infinita

NuBe · B.

Batt. LTO

| IP65 | IK08 | 850° | ▣ | +45°C / -20°C |

TITANIUM BATTERY
10 YEARS
WARRANTY

⭐ Luminous flux up to **1700lm** and **infinite autonomy** (reduced flux) with the **Infinity mode**.
Fast-charging **Titanium battery**, with 10 years of service life and for extreme working temperatures.

⤢ Optimum performance for both wall and ceiling mounting with installation distances of up to 34m.

🔧 Numerous pre-drilled inlets and connection accessories.

Applications

Industry, services

Characteristics

Power supply* 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling, recessed, false ceiling, wall/ceiling edge mounting, suspended, suspended on rods
Recharging time 12h
Housing Polycarbonate, white RAL 9003
Optics PMMA, Total Internal Reflection
Screen Clear polycarbonate
Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

* LG230, LG24, HT systems consider the parameters of the control unit used

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Dimensions mm			Distance of visibility (DV)
L	B	H	
325	130	45	25m

Performance according to EN 1838

Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	14	-	8x9	-
3	-	20	-	10x16
7	-	20	-	15x15
	Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 19460** 1000 lm			Maintenance coefficient 0.8	

INFINITA

C90-C270 ■   C0-C180 ■

A Inlets with M20 cable gland
B Inlets for 16 ÷ 20 mm wireways

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	Batt. AUTORIPARA SUPPLIED Flux SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	Conform.	
AT-CBL	19450	11	INFINITA RTI IP65 SE CBL LTO L	SE	1/1.5/ 2/3/8	4.8V 0.5Ah LTO	250/170/130/90/40	-			1W	0.6	1/6	◢◢	**CENTRALISED SELF-TESTING**
	19451	24	INFINITA RTI IP65 SE CBL LTO XL	SE	1/1.5/2/3/8	4.8V 1.2Ah LTO	500/340/260/180/70	-			2.6W	0.6	1/6	◢◢	
	19452	11	INFINITA RTI IP65 SA CBL LTO L	SA/SE	1/1.5/2/3/8	4.8V 0.5Ah LTO	250/170/130/90/40	-	90		1.8W	0.6	1/6	◢◢	
	19453	24	INFINITA RTI IP65 SA CBL LTO XL	SA/SE	1/1.5/2/3/8	4.8V 1.2Ah LTO	500/340/260/180/70	-	250		4.8W	0.6	1/6	◢◢	
	19454	24*	INFINITA RTI SE CBL LTO XL 700lm	SE	1/1.5/2/3/8	4.8V 1.2Ah LTO	700/500/400/250/100	-			2.6W	0.6	1/6	◢◢	
	19455	24*	INFINITA RTI SA CBL LTO XL 700lm	SA/SE	1/1.5/2/3/8	4.8V 1.2Ah LTO	700/500/400/250/100	-	250		4.8W	0.6	1/6	◢◢	
	19460	36	INFINITA GL RTI SA/SE CBL LTO	SA/SE	1/1.5/2/3/8	2x4.8V 1.2Ah LTO	1000/680/525/370/145	-	250		4.8W	0.6	1/6	◢◢	
LG	19470	36	INFINITA ULTIMATE RTI SA/SE LTO	SA/SE/PS	1/1.5/3*	9.6V 1.2Ah LTO	➔	1700/1150/620	850		13W	0.6	1/6		**CENTRALTEST**
	LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037												
	DALI		Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038												
LG230	31170	11	INFINITA RTI LGS230 SA/SE L						500	4.5W	8.6VA	0.6	1/6		**CENTRALISED BATTERY**
	31171	24	INFINITA RTI LGS230 SA/SE XL						1500	15.1W	16.3VA	0.6	1/6		
LG24	32110	11	INFINITA RTI LGS24 SE L				500		-	3.9W	-	0.6	1/6		
	32111	24	INFINITA RTI LGS24 SA/SE XL				500		1500	4.3W	16.1VA	0.6	1/6		
HT230	31174	11	INFINITA RTI HT L						500	4.5W	9VA	0.6	1		
	31175	24	INFINITA RTI HT XL						1500	15.1W	16.1VA	0.6	1		

★ The indicated flux and autonomy refer to the luminaire set in HIGH FLUX mode - with the LONG OPERATING TIME setting, the autonomy doubles and the flux is reduced.
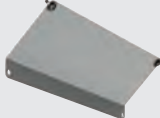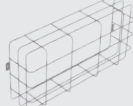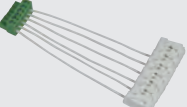
Infinita

ACCESSORIES - included

AR LTO 9.6V 1.2Ah BATTERY SYSTEM
Compatible with Order Code **19470**

Order Code **RA04**

CONDUIT ADAPTER 16/20 mm WHITE
Mounting with a Ø16 or Ø20 mm conduit

CABLE GLAND M20 WITH VENT

5-POLE FEED-THROUGH WIRING
HT230 versions only

Order Code **20155**

CABLE GLAND MEMBRANE M16 IP65

LH/RH/DOWN/UP STICKERS
(included for SA versions only)

Order Code **4682**

ACCESSORIES - to be ordered separately

EDGE MOUNTING SCREEN 25M

Order Code **4681**

45° BRACKET

Order Code **4685**

RECESSED LED BOX

Order Code **4683**

SUSPENDED MOUNTING RODS
250 - 500 - 1000 mm
Order Code **4315** (250 mm) - **4316** (500 mm)
4317 (1000 mm)

PLASTERBOARD RECESSED MOUNTING BRACKET

Order Code **4687**

PROTECTIVE GRILLE
440x215x99 mm

Order Code **3912**

EDGE MOUNTING FIXING BRACKET

Order Code **4686**

SUSPENDED MOUNTING HOOKS

Order Code **3723**

5-POLE FEED-THROUGH WIRING
For all versions except LG

Order Code **20155**

LGFM MODULE
LG versions only

Order Code **15037**

`LGFM`

7-POLE FEED-THROUGH WIRING
LG versions only

Order Code **20156**

DALI MODULE
LG versions only

Order Code **15038**

`DALI`

LG INIBIT REMOTE CONTROL
RM for LG versions only

Order Code **12101**

`LG`

Infinita X5

NuBe · B.

⭐ Luminous flux up to **1500lm** and infinite autonomy (reduced flux) with the **Infinity mode**. Fast-charging **Titanium battery**, with 10 years of service life and for extreme working temperatures.

Optimum performance for ceiling mounting, either at **7m** or **12m**, with installation distances of up to 34m.

Optical system with 5 interchangeable lenses to adapt the area of intervention to the need for both anti-panic areas and escape routes.

Numerous pre-drilled inlets and connection accessories.

Applications
Industry, services, high-risk areas

Characteristics
Power supply* 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling, recessed, false ceiling, suspended, suspended with rods
Recharging time 12h
Housing Polycarbonate, white RAL 9003
Optics Clear polycarbonate lenses
Screen Clear polycarbonate
Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

* LG230, LG24, HT systems consider the parameters of the control unit used

| IP65 | IK08 | 850° | □ | +45°C -20°C |

Batt. LTO

★ TITANIUM BATTERY ★ **10 YEARS** WARRANTY
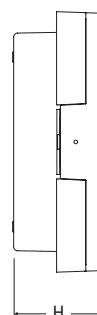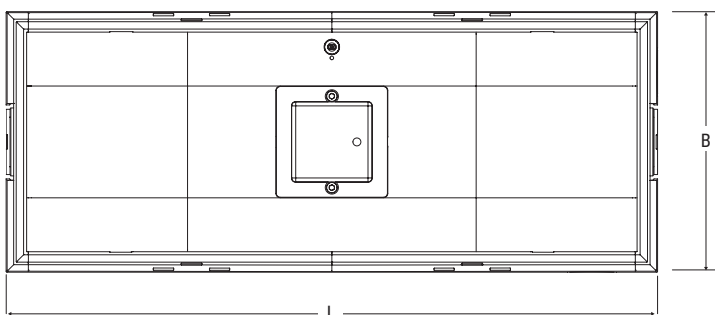
Dimensions mm		
L	B	H
325	130 152	45

Reference standard UNI EN 1838

Lens	Height (m) □↕	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
Lungaluce 3m	3	-	11	-	-
Lungaluce 7m	7	-	28	-	-
Largaluce 3m	3	-	-	-	7X7
Largaluce 7m	7	-	-	-	20x20
High risk	7	-	-	-	Ø3m - 30lx
		Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	

Performance with reference to luminaire **Order Code 19461** 900lm   Maintenance coefficient 0.8

HIGH RISK   87%
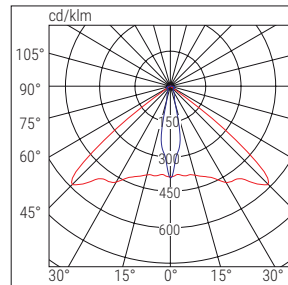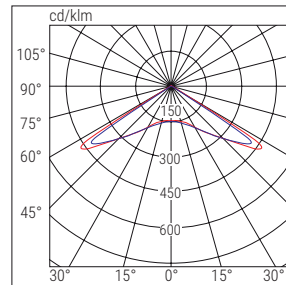
LUNGALUCE 3m 85%   **LUNGALUCE 7m** 85%   **LARGALUCE 3m** 90%   **LARGALUCE 7m** 87%

■ C0-C180   ■ C90-C270   ■ C0-C180   ■ C90-C270   ■ C0-C180   ■ C90-C270   ■ C0-C180   ■ C90-C270

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	Batt. AUTORIPARA SUPPLIED Flux SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	Conform.
AT-CBL	19461	24GL	INFINITA GL 5X SA/SE CBL LTO	SA/SE	1/1.5/2/3/8	2x4.8V 1.2Ah LTO	900/600/470/330/130		250		4.8W	0.6	1/6	⬅
LG	19471	36	INFINITA ULTIMATE 5X SA/SE LTO	SA/SE/PS	1/1.5/3*	2x9.6V 1.2Ah LTO	➡	1500/1000/550	700		13W	0.6	1/6	
	LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037											
	DALI		Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038											
LG230	31172	24	INFINITA 5X LGS230 SA/SE XL						1100	11.4W	12.4VA	0.6	1/6	
LG24	32112	24	INFINITA 5X LGS24 SA/SE XL				500		1100	4.3W	11.4VA	0.6	1/6	
HT230	31176	24	INFINITA 5X HT XL				-		1100	10.5W	10.8VA	0.6	1/6	

Column label (right side, rotated): AUTOTEST CENTR. / CENTRALTEST / CENTRALISED BATTERY

★ The indicated flux and autonomy refer to the luminaire set in HIGH FLUX mode - with the LONG OPERATING TIME setting, the autonomy doubles and the flux is reduced.
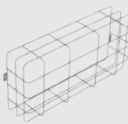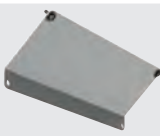
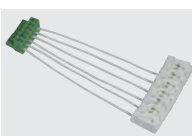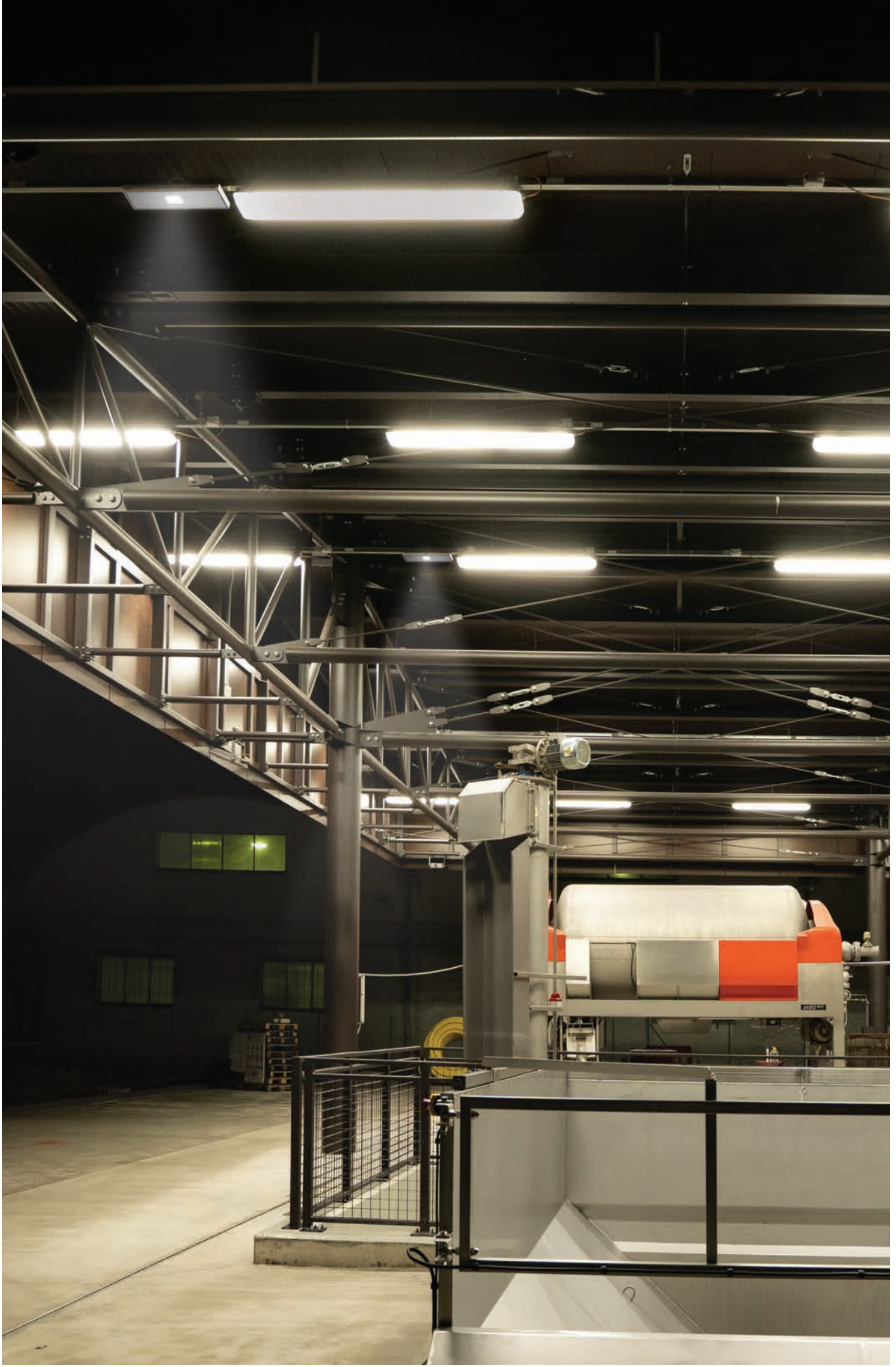# Infinita X5

ACCESSORIES - included

AR LTO 9.6V 1.2Ah BATERY SYSTEM
Compatible with Order Code **19471**

Order Code **RA04**

HIGH RISK LENS

CABLE GLAND MEMBRANE M16 IP65

LUNGALUCE LENS 3m

CONDUIT ADAPTER 16/20 mm WHITE
Mounting with a Ø16 or Ø20 mm conduit

LUNGALUCE LENS 7m

5-POLE FEED-THROUGH WIRING
HT230 versions only

Order Code **20155**

LARGALUCE LENS 3m
Fitted as standard

LARGALUCE LENS 7m

ACCESSORIES - to be ordered separately

RECESSED BOX

Order Code **4683**

PROTECTIVE GRILLE
440 x 215 x 99 mm

Order Code **3912**

PLASTERBOARD RECESSED MOUNTING BRACKET

Order Code **4687**

SUSPENDED MOUNTING RODS
250 - 500 - 1000 mm
Order Code **4315** (250 mm) - **4316** (500 mm)
4317 (1000 mm)

45° BRACKET

Order Code **4685**

SUSPENDED MOUNTING HOOKS

Order Code **3723**

5-POLE FEED-THROUGH WIRING
For all versions except LG

Order Code **20155**

LGFM MODULE
LG versions only

Order Code **15037**　LGFM

7-POLE FEED-THROUGH WIRING
LG versions only

Order Code **20156**

DALI MODULE
LG versions only

Order Code **15038**　DALI

LG INIBIT REMOTE CONTROL
RM for LG versions only

Order Code **12101**　LG

Formula 65

NuBe

IP65   IK07   △850°   ▢

	Batt. LiFe	Batt. LTO	Batt. NiMH	Batt. NiCd
🌡	+40°C 0°C	+45°C -20°C	+40°C 0°C	+40°C 0°C

★ TITANIUM BATTERY ★ 10 YEARS WARRANTY

⭐ Adjustable autonomy and possibility of an additional battery to double the flux and safety (Autoripara battery).

⤢ Great flexibility thanks to multiple versions and accessories for all installation requirements.

🔧 Housing with numerous pre-drilled inlets and direct fixing on junction box.

Applications

Industry, services

Characteristics

Power supply* 230VAC±10%, 50÷60Hz

Mounting Wall, ceiling, recessed, false ceiling

Recharging time

12h with LTO and LiFe batteries

Housing Polycarbonate, white RAL 9003

Optics Symmetrical, white

Screen Clear polycarbonate

Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN62034

* LG230, LG24, HT systems consider the parameters of the control unit used

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Dimensions mm				Distance of visibility (DV)	
L	B	H	H1	Wall	Edge mounting
VERSIONS LG230 - LG24 - HT230 AND WITH LiFe BATTERY					
354	152	63.4	26	25m	28m
LTO BATTERY VERSION					
354	152	48.5	26	25m	28m
NiMH-Cd BATTERY VERSION					
354	152	48.5	26	25m	28m

Performance according to EN 1838

| Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	11	-	8x12	-
3	-	18	-	10x16
7	-	25	-	14x20
	Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 19430** 1100 lm			Maintenance coefficient 0.8	

FORMULA 65

Angoli Gamma

■ C90-C270   ■ C0-C180
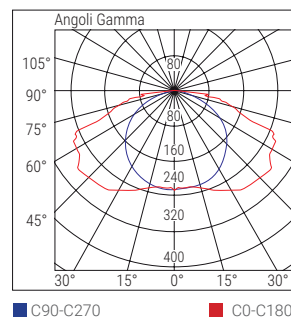
Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	AUTORIPARA Batt. OPTIONAL Flux SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	Conform.
19200N	6	F65 LED 6W IP65 SE 1/3 LIFE	SE	1/3	LiFe 3,2V 0,5Ah	150/70	-			1,1W	0.4	1/6	
19202N	8	F65 LED 8W IP65 SE 1/3 LIFE	SE	1/3	LiFe 3,2V 0,5Ah	200/80	-			1.1W	0.4	1/6	
19204N	8	F65 LED 8W IP65 SA 1/3 LIFE	SA/SE	1/3	LiFe 3,2V 0,5Ah	200/80	-	160		2,5W	0.4	1/6	
19206N	11	F65 LED 11W IP65 SE 1/3 LIFE	SE	1/3	LiFe 3,2V 1,5Ah	450/160	-			1.1W	0.6	1/6	
19208N	11	F65 LED 11W IP65 SA 1/3 LIFE	SA/SE	1/3	LiFe 3,2V 1,5Ah	450/160	-	160		2,5W	0.6	1/6	
19210N	24	F65 LED 24W IP65 SE 1/3 LIFE	SE	1/3	LiFe 3,2V 3Ah	700/240	-			1.1W	0.8	1/6	
19212N	24	F65 LED 24W IP65 SA 1/3 LIFE	SA/SE	1/3	LiFe 3,2V 3Ah	700/240	-	160		2,5W	0.8	1/6	
19430	36	F65 LED LI-FE SE	SE	1	LiFe 9.6V 1.5Ah	1500	-			1.1W	0.8	1/6	
19431	36	F65 LED LI-FE SA	SA/SE	1	LiFe 9.6V 1.5Ah	1500	-	300		3,8W	0.8	1/6	
R0818	8	F65LED 8W IP65 AT AR SE123h RM	SE	1/2/3	NiCd 3.6V 0.75Ah	135/95/78	**250/175/125**			1.5W	0.4	1/12	
R1124	11	F65LED11W IP65 AT AR SE123h RM	SE	1/2/3	NiCd 3.6V 0.75Ah	180/125/90	**315/220/160**			1.5W	0.4	1/12	
R1124SA	11	F65LED11W IP65 AT AR SA123h RM	SA/SE	1/2/3	NiCd 3.6V 0.75Ah	180/125/90	**315/220/160**	250		4.5W	0.6	1/12	
R2436	24	F65LED24W IP65 AT AR SE123h RM	SE	1/2/3	NiMH 3.6V 1.2Ah	315/220/160	**550/385/275**			1.5W	0.6	1/12	
R2436SA	24	F65LED24W IP65 AT AR SA123h RM	SA/SE	1/2/3	NiMH 3.6V 1.2Ah	315/220/160	**550/385/275**	280		5.0W	0.6	1/12	
19432	36	F65 LED LI-FE AT AR SE	SE	1/1.5/3*	LiFe 9.6V 1.5Ah	1200/830/450	**2200/1650/900**			7W	0.8	1/6	
19433	36	F65 LED LI-FE AT AR SA	SA/SE/PS	1/1.5/3*	LiFe 9.6V 1.5Ah	1200/830/450	**2200/1650/900**	1000		13W	0.8	1/6	
19290	8	F65LED 8W IP65 AT OPT SE8LTO	SE	1/1.5/2/3/8	LTO 4.8V 1.2Ah	250/170/130/85/35	-			7.5W	0.5	1/6	
19291	11	F65LED 11W IP65 AT OPT SE8LTO	SE	1/1.5/2/3/8	LTO 4.8V 1.2Ah	315/210/160/110/45	-			7.5W	0.5	1/6	
19292	24	F65LED 24W IP65 AT OPT SE8LTO	SE	1/1.5/2/3/8	2xLTO 4.8V 1.2Ah	550/370/280/190/80	-			7.5W	0.6	1/6	
19293	24GL	F65LED 24GL IP65 AT OPT SE8LTO	SE	1/1.5/2/3/8	2xLTO 4.8V 1.2Ah	800/540/410/280/115	-			7.5W	0.6	1/6	
19294	11	F65LED 11W IP65 AT OPT SA8LTO	SA/SE/PS	1/1.5/2/3/8	LTO 4.8V 1.2Ah	315/210/160/110/45	-	130		7.5W	0.5	1/6	
19295	24	F65LED 24W IP65 AT OPT SA8LTO	SA/SE/PS	1/1.5/2/3/8	2xLTO 4.8V 1.2Ah	550/370/280/190/80	-	150		7.5W	0.6	1/6	
19296	24GL	F65LED 24GL IP65 AT OPT SA8LTO	SA/SE/PS	1/1.5/2/3/8	2xLTO 4.8V 1.2Ah	800/54/410/280/115	-	200		7.5W	0.6	1/6	

STANDARD — TR
AUTOTEST — AT
CENTRALISED SELF-TESTING — AT-OPT

LG	Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036
LGFM	Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037
DALI	Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038

* The indicated autonomy doubles with the Autoripara battery, if the luminaire is set to LONG OPERATING TIME
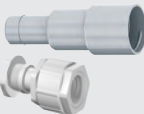
Formula 65

Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	Batt. AUTORIPARA OPTIONAL Flux SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/Multi pack
LG												
19434	36	F65 LED LI-FE LG AR SE	SE	1/1.5/3*	LiFe 9.6V 1.5Ah	1200/830/450	**2200/1650/900**			7W	0.8	1/6
19435	36	F65 LED LI-FE LG AR SA	SA/SE/PS	1/1.5/3*	LiFe 9.6V 1.5Ah	1200/830/450	**2200/1650/900**	1000		13W	0.8	1/6
LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037										
DALI		Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038										
LG230												
31124	8	F65 LED 8W LG230						400	4.1W	8.5VA	0.6	1/6
31125	11	F65 LED 11W LG230 LS-UV						600	6.4W	8.1VA	0.6	1/6
31150	24	F65 LED 24W LG230 LS-UV						1000	10.4W	12VA	0.6	1/6
31122	36	F65 LED 36W LG230 LS-UV						1600	15W	15.9VA	0.6	1/6
LG24												
32094	8	F65 LED 8W LGS24				400			3.8W		0.6	1/6
32091	36	LED 36W LGS24 LS-UV				400		1600	4.3W	15.2VA	0.6	1/6
HT230												
17435	8	F65 LED 8W HT IP65						400	4.4W	8.9VA	0.6	1/6
17436	11	F65 LED 11W HT IP65						600	6.1W	6.4VA	0.6	1/6
17437	24	F65 LED 24W HT IP65						1000	10.2W	10.4VA	0.6	1/6
17438	36	F65 LED 36W HT IP65						1600	14.3W	14.5VA	0.6	1/6

CENTRALTEST / CENTRALISED BATTERY

* The indicated autonomy doubles with the Autoripara battery, if the luminaire is set to LONG OPERATING TIME

ACCESSORIES - included

CONDUIT ADAPTER 16/20 mm WHITE
Mounting with a Ø16 or Ø20 mm conduit
CABLE CONDUIT GLAND M20

LH/RH/DOWN STICKERS
SA versions only
Order Code **19044**

RECESSED BOX + FRAMES
For recessed mounting
Order Code **19040** (Versions with LTO, NiMh, NiCd battery)

ACCESSORIES - to be ordered separately

AR - AUTORIPARA BATTERY
Compatible with Order Code **R0818 - R1124 - R1124SA R2436 - R2436SA**
Order Code **RA01 -** NiMh 3.6V 1.2Ah

EDGE MOUNTING WALL BRACKET
Order Code **19045**

AR - AUTORIPARA BATTERY
Compatible with Order Code **19432 - 19433 - 19434 19435**
Order Code **RA06 -** LIFE 9.6V 1.5Ah

PROTECTIVE GRILLE
Dimensions 440x215x99 mm
Order Code **3912**

RECESSED BOX + FRAMES
For recessed mounting
Order Code **19048** (Versions LG230, LG24, HT230 and LiFe battery)

LG - LGFM - DALI MODULE
LG - Order Code **15036** (with LTO battery only)
LGFM - Order Code **15037** (with LiFe and LTO battery only)
DALI - Order Code **15038** (with LiFe and LTO battery only)
`LG` `LGFM` `DALI`

EX FALSE CEILING BRACKET
Recessed mounting hole: 370 x 130 mm
Order Code **19041** (Vers. with LTO, NiMh, NiCd battery)
Order Code **19049** (Vers. LG230, LG24, HT230 and LiFe battery)

LG INIBIT REMOTE CONTROL
RM only for LG versions and Codes 19432 - 19433
Order Code **12101**
`LG`

EDGE MOUNTED SCREENS
Screen printing on clear polycarbonate
Order Code **19042** (LH/RH)
Order Code **19043** (DOWN)

RM INIBIT REMOTE CONTROL
RM only for Codes R0818 - R1124 - R1124SA
R2436 - R2436SA
Order Code **2730**
`RM`

Pratica IP65

| IP65 | IK08 | 850° | ▣ | Batt. LiFe +40°C 0°C |

⭐ IP65 luminaire particularly resistant to mechanical stress and weathering.

💡 Innovative lens with RTI technology to increase mounting spacing and standardise pictogram illumination.

🪛 Housing equipped with many pre-drilled inlets, and accessories for ø16 and ø20mm pipe inlets such as the PG16/20 adapter and the IP Plug membranes supplied.

Applications
Industry, outdoors, services

Characteristics
Power supply 230VAC ± 10%, 50÷60Hz
Mounting Recessed, wall, ceiling, edge mounting, suspended, electrified track
Recharging time 12h
Housing Polycarbonate, white RAL 9003
Optics PMMA lens with RTI technology (Total Internal Reflection)
Housing Polycarbonate, white RAL 9003
Cmpliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034.
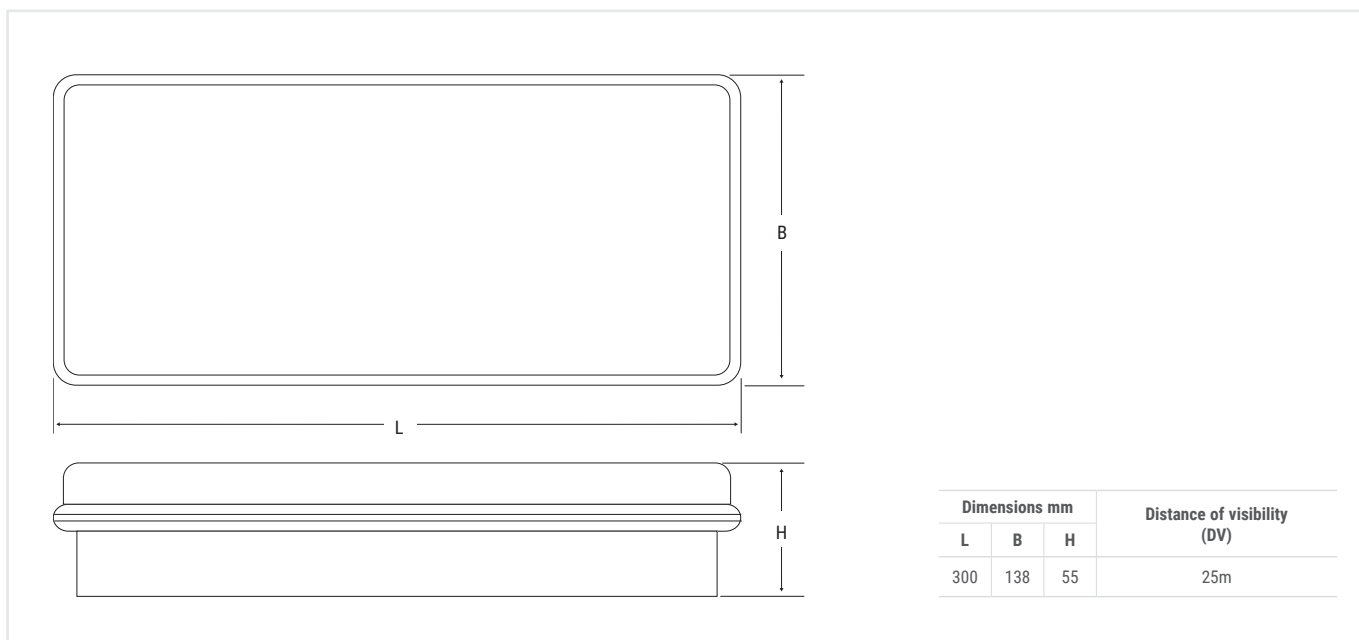
Dimensions mm			Distance of visibility (DV)
L	B	H	
300	138	55	25m

Performance according to EN 1838

Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
□	□↔□		⬛	
	Wall	Ceiling	Wall	Ceiling
2.5	8	-	4x6	-
3	-	9	-	6x7
	Lighting >1lx at floor level along the centre line without reflections Emax/Emin <40		Lighting >0.5lx at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 250SE** 250 lm			Maintenance coefficient 0.8	

PRATICA IP65
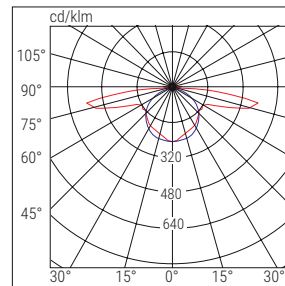
cd/klm

■ C90-C270   ■ C0-C180

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	
TR	**250SE**	18	PRATICA 300LM 1.5/3h IP65 SETR	SE	1.5/3	LiFe 3.2V 1.5 Ah	300/160			1.2 W	1	1/12	**STANDARD**
	250SA	18	PRATICA 300LM 1.5/3h IP65 SATR	SA/SE	1.5/3	LiFe 3.2V 1.5 Ah	300/160	200		2.5 W	0.8	1/12	
	500SE	24	PRATICA 500LM 1.5/3h IP65 SETR	SE	1.5/3	LiFe 3.2V 3Ah	500/250			1.2 W	1.1	1/12	
	500SA	24	PRATICA 500LM 1.5/3h IP65 SATR	SA/SE	1.5/3	LiFe 3.2V 3Ah	500/250	200		2.5 W	0.9	1/12	
AT	**250ATSE**	18	PRATICA 300LM 1.5/3h IP65 SEAT	SE	1.5/3	LiFe 3.2V 1.5 Ah	300/160			2.6 W	1	1/12	**AUTOTEST**
	250ATSA	18	PRATICA 300LM 1.5/3h IP65 SAAT	SA/SE	1.5/3	LiFe 3.2V 1.5 Ah	300/160	200		4.8 W	0.8	1/12	
	500ATSE	24	PRATICA 500LM 1.5/3h IP65 SEAT	SE	1.5/3	LiFe 3.2V 3 Ah	500/250			2.6 W	1.1	1/12	
	500ATSA	24	PRATICA 500LM 1.5/3h IP65 SAAT	SA/SE	1.5/3	LiFe 3.2V 3 Ah	500/250	200		4.8 W	0.9	1/12	

A 3 Inputs Ø 16÷20 mm and accessories to maintain the IP65 protection rating,
B Rear inlet suitable for box 503 or corrugated wall box
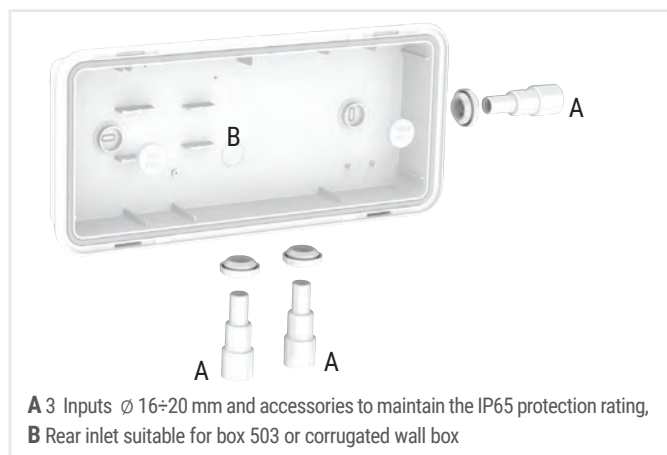
ACCESSORIES - included

**CONDUIT ADAPTER 16/20 mm WHITE
2 CABLE GLAND MEMBRANES IP65**
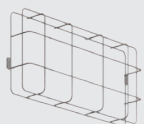Mounting with a Ø16 or Ø20 mm conduit

LH/RH/DOWN/UP STICKERS
SA versions only

Order Code **4117**

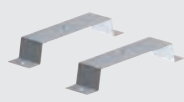## ACCESSORIES - to be ordered separately

SUSPENDED MOUNTING HOOKS

Order Code **3723**

RECESSED BOX

Order Code **2742**

PROTECTIVE GRILLE
Dimensions 440x215x99 mm

Order Code **3912**

RM MODULE
RM

Order Code **15048**   `TR`

FALSE CEILING BRACKET

Order Code **2751**

SCREENS
Order Code **4124** (LH/RH)
Order Code **4125** (DOWN)
Order Code **4126** (UP)

RM INIBIT REMOTE CONTROL
For RM versions

Order Code **2730**   `TR`

LH/RH/DOWN/UP STICKERS

Order Code **4117**

Pratica IP42

☆ Luminaire suitable for both emergency lighting and signage, thanks to the pictograms provided. Housing built to withstand outdoor use, equipped with LiFe battery and a 5-year warranty.

⤢ Unique luminaire with SE and SA function, with adjustable autonomy from 1 to 3hrs.

🔧 Large spaces inside the product facilitate wiring and maintenance. The housing is equipped with 3 x ø16 pre-drilled inlets and can be installed over a 503 box. Recessed box supplied.

Applications

Services, commercial activities, shops, restaurants, offices

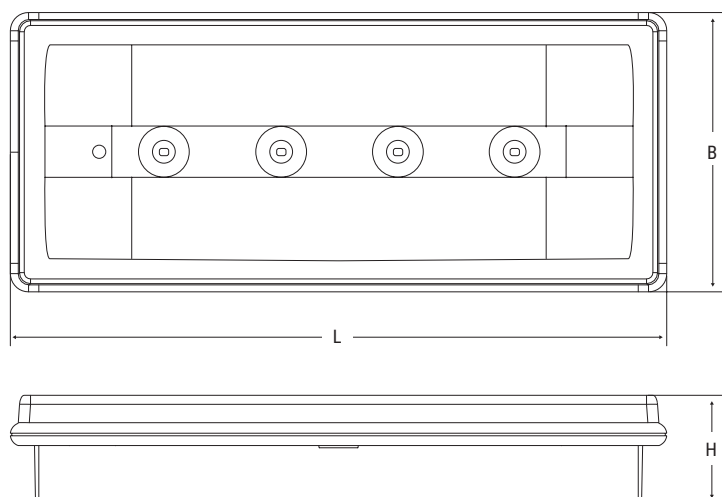## Characteristics

Power supply 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling, recessed, suspended, electrified track
Recharging time 12h with LiFe battery
Housing Polycarbonate, white RAL 9003
Screen Clear polycarbonate
**Compliance** EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

Batt. LiFe

| IP42 | IK07 | 850° | ▣ | +40°C 0°C |

Dimensions mm			Distance of visibility (DV)
L	B	H	
280	119	46	21m

Performance according to EN 1838

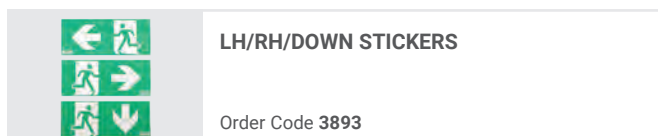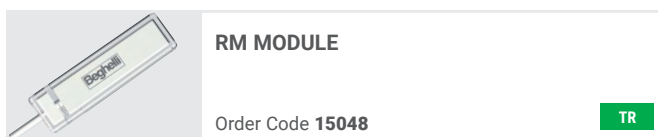| Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	5	-	3x3	-
3	-	8	-	6x6
	Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 4400** 100 lm			Maintenance coefficient 0.8	

PRATICA IP42
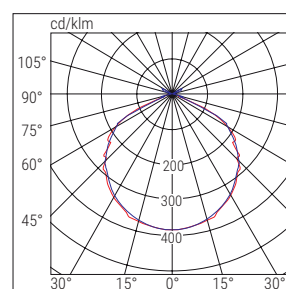
- ■ C0-C180
- ■ C90-C270

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	
TR	4400	11	PRATICA 200LM 1/1.5/3h IP42 SATR	SA/SE	1/1.5/3	LiFe 3.2V 0.5Ah	200/160/100	100		1.4 W	0.25	1/12	STANDARD
	4401	18	PRATICA 300LM 1.5/3h IP42 SATR	SA/SE	1.5/3	LiFe 3.2V 1.5Ah	300/160	200		2.5 W	0.3	1/12	
	4402	24	PRATICA 500LM 1.5/3h IP42 SATR	SA/SE	1.5/3	LiFe 3.2V 3Ah	500/250	200		2.5 W	0.35	1/12	
AT	4403	11	PRATICA 200LM 1/1.5/3h IP42 SAAT	SA/SE	1/1.5/3	LiFe 3.2V 0.5Ah	200/160/100	100		1.4 W	0.25	1/12	AUTOTEST
	4404	18	PRATICA 300LM 1.5/3h IP42 SAAT	SA/SE	1.5/3	LiFe 3.2V 1.5Ah	300/160	200		4.8 W	0.3	1/12	
	4405	24	PRATICA 500LM 1.5/3h IP42 SAAT	SA/SE	1.5/3	LiFe 3.2V 3Ah	500/250	200		4.8 W	0.35	1/12	

ACCESSORIES - included
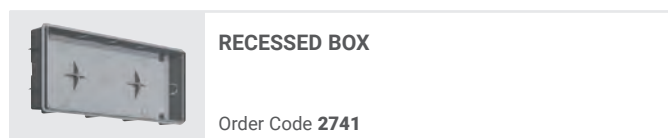
CABLE GLAND MEMBRANE M16 IP65

LH/RH/DOWN STICKERS

Order Code **3893**

RECESSED BOX

Order Code **2741**

ACCESSORIES - to be ordered separately

SUSPENDED MOUNTING HOOKS

Order Code **3723**

CABLE CONDUIT GLAND PG16/PG20

Order Code **3727**

PROTECTIVE GRILLE
Dimensions: 440x215x99 mm

Order Code **3912**

FALSE CEILING BRACKETS

Order Code **2751**

RM INIBIT REMOTE CONTROL
For RM versions

Order Code **2730**   `TR`

RM MODULE

Order Code **15048**   `TR`
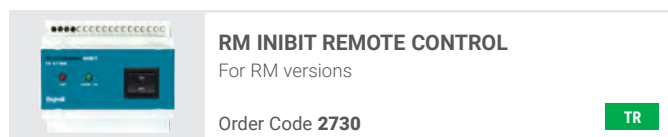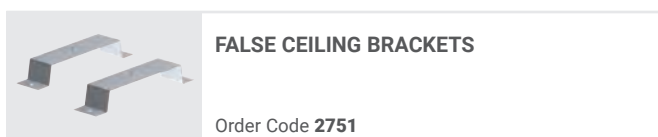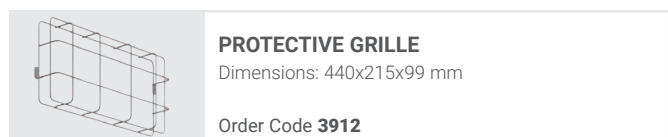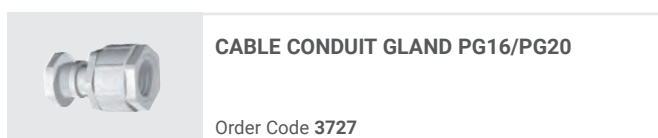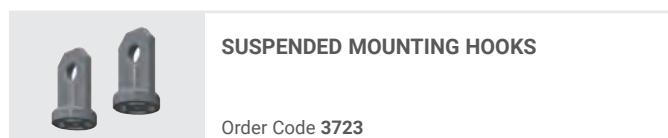
Ticinque

Batt. LiFe

| IP65 | IP42 | IK07 | ⋀850° | ▣ | 🌡 +40°C 0°C |

☆ High autonomy luminaire, up to 8hrs. In the Granluce version, the flux is up to 1,250 lm, with a set autonomy of 1h. Also suitable for special applications where high luminous fluxes are required (10lx with an autonomy of 90 min).

⤢ Available in both IP42 and IP65 protection ratings; with pictograms installed, the distance of visibility is 28m.

🖊 Easy installation thanks to the PG16/20 quick connector and the supplied IP Plug membranes. Quick connection on all 4 sides while maintaining the IP65 protection rating, even on an electrified track.

Applications
Industry, services, shopping centres

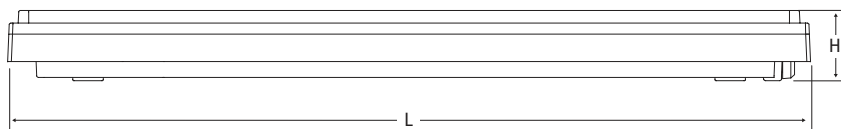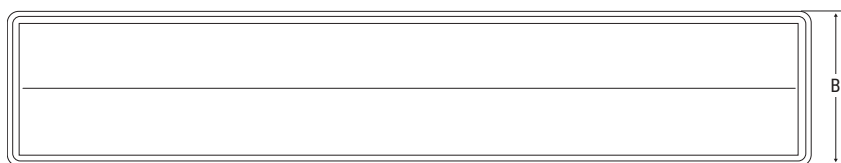## Characteristics
Power supply 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling
Recharging time 12h
Housing Polycarbonate, white RAL 9003
**Optics** Symmetrical, white
Screen Clear polycarbonate
Compliance EN 60598-1, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

| Dimensions mm			Distance of visibility (DV)
L	B	H	
549	147	43	28m

Performance according to EN 1838

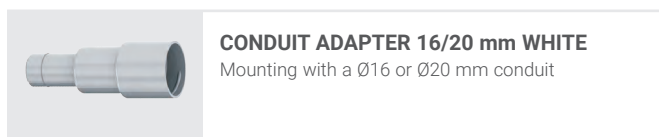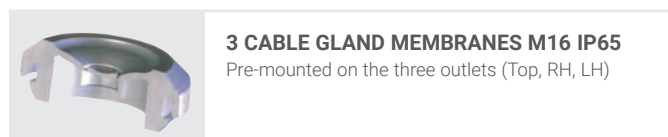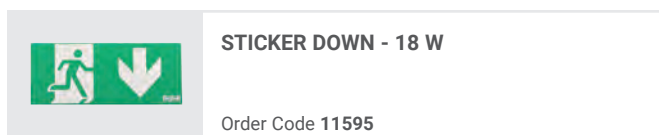| Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	8	-	8x8	-
3	-	16	-	11x11
7	-	22	-	14x14
	Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 8590** 800 lm			Maintenance coefficient 0.8	
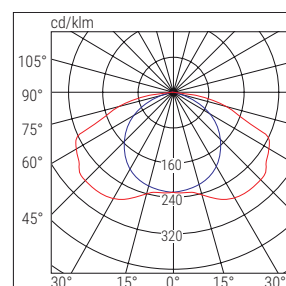
TICINQUE
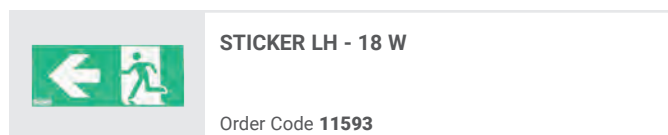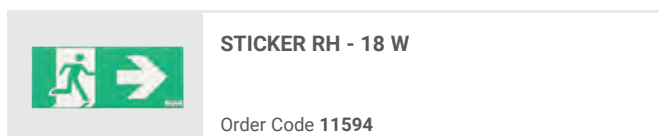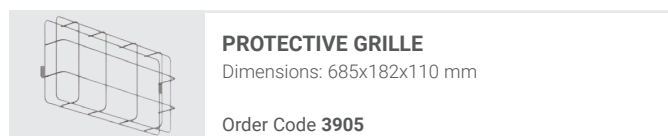

- ■ C90-C270
- ■ C0-C180

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power		Weight Kg	Packaging Single/ Multi pack	Notes	
									DC	AC				
TR	8584	18	TICINQUE IP42 LED 18WSE8P	SE	8	LiFe 9.6V 1.5 Ah	260			2W	1.8	1/6	IP42	STANDARD
	8585	18	TICINQUE IP42 LED 18WSA8P	SA/SE	8	LiFe 9.6V 1.5 Ah	260	180		4W	1.8	1/6	IP42	
	8586	18	TICINQUE IP65 LED 18WSE8P	SE	8	LiFe 9.6V 1.5 Ah	260			2W	1.8	1/6	IP65	
	8587	18	TICINQUE IP65 LED 18WSA8P	SA/SE	8	LiFe 9.6V 1.5 Ah	260	180		4W	1.8	1/6	IP65	
	8590	24	GRANLUCE T5LED IP65 SE2h	SE	2	LiFe 9.6V 1.5 Ah	800			5W	2	1/6	IP65	
	8591	24	GRANLUCE T5LED IP65 SA2h	SA/SE	2	LiFe 9.6V 1.5 Ah	800	180		8W	2	1/6	IP65	
	8597	24	GRANLUCE T5LED IP65 SE1h	SE	1	LiFe 9.6V 1.5 Ah	1500			5W	2	1/6	IP65	
	8598	24	GRANLUCE T5LED IP65 SA1h	SA/SE	1	LiFe 9.6V 1.5 Ah	1500	180		8W	2	1/6	IP65	
AT	8592	24	GRANLUCE T5LED AT IP65 SE123h	SE	1/2/3	LiFe 9.6V 1.5 Ah	1250/800/550			5W	2	1/6	IP65	AUTOTEST
	8593	24	GRANLUCE T5LED AT IP65 SA123h	SA/SE	1/2/3	LiFe 9.6V 1.5 Ah	1250/800/550	400		15W	2	1/6	IP65	

ACCESSORIES - included

3 CABLE GLAND MEMBRANES M16 IP65
Pre-mounted on the three outlets (Top, RH, LH)

CONDUIT ADAPTER 16/20 mm WHITE
Mounting with a Ø16 or Ø20 mm conduit

ACCESSORIES - to be ordered separately

PROTECTIVE GRILLE
Dimensions: 685x182x110 mm

Order Code **3905**

STICKER RH - 18 W

Order Code **11594**

STICKER LH - 18 W

Order Code **11593**

STICKER DOWN - 18 W

Order Code **11595**

Ticinque TuttoLED

IP65	IP42	IK07	⋀850°	▣	Batt. LiFe 🌡 +40°C 0°C

☆ Autonomy up to 5hrs, luminous flux up to 400lm.

⤢ Available in both IP42 and IP65 protection ratings; with pictograms installed, the distance of visibility is 28m.

🔧 Equipped with PG16/20 quick connector and IP Plug membranes for quick connections on all 4 sides.

Applications
Industry, services

Characteristics
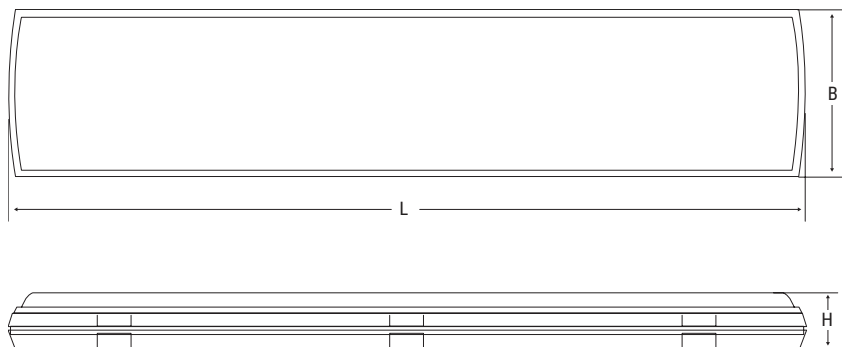**Power supply** 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling
Recharging time 12h
Housing Polycarbonate, grey RAL 7035
Optics Symmetrical, white
Screen Clear polycarbonate
**Compliance** EN 60598-1, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

Dimensions mm			Distance of visibility (DV)
L	B	H	
610	128	54	28m

Performance according to EN 1838

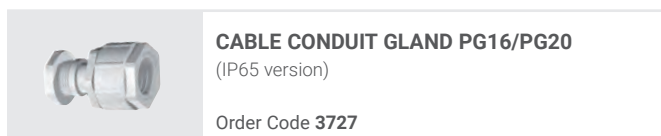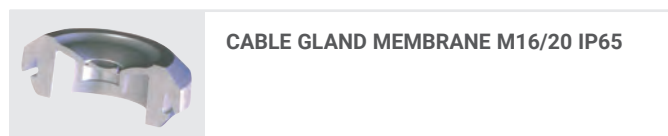| Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	7	-	6x6	-
3	-	12	-	9x9
	Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 8595** 400 lm			Maintenance coefficient 0.8	

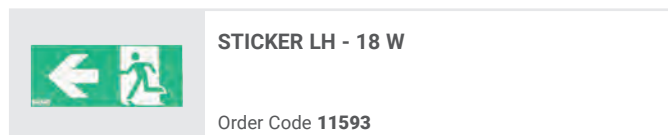### TICINQUE TUTTOLED
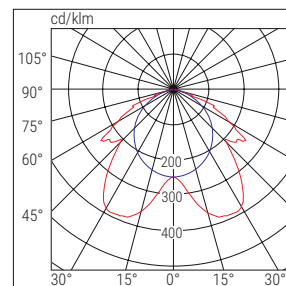
- C90-C270
- C0-C180

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	Notes	
TR	**8594**	18	TICINQUETUTTOLED IP42 18SE5P	SE	5	LiFe 9.6V 1.5Ah	400	-		5W	1.8	1/6	IP42	STANDARD
	8596	18	TICINQUETUTTOLED IP65 18SA5P	SA/SE	5	LiFe 9.6V 1.5Ah	400	220		8W	2.0	1/6	IP65	
	8595	18	TICINQUETUTTOLED IP65 18SE5P	SE	5	LiFe 9.6V 1.5Ah	400	-		5W	2.0	1/6	IP65	

ACCESSORIES - included

CABLE GLAND MEMBRANE M16/20 IP65

CABLE CONDUIT GLAND PG16/PG20
(IP65 version)

Order Code **3727**

ACCESSORIES - to be ordered separately

PROTECTIVE GRILLE
Dimensions: 685x182x110 mm

Order Code **3905**

STICKER RH - 18 W

Order Code **11594**

STICKER LH - 18 W

Order Code **11593**

STICKER DOWN - 18 W

Order Code **11595**

UP LED

NuBe

						Batt. LTO	Batt. NiMH	Batt. NiCd
IP65	IP42	IK07	850°			+45°C -20°C	+40°C 0°C	+40°C 0°C

Vers. 824
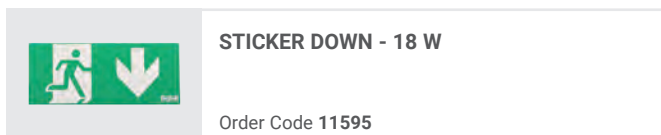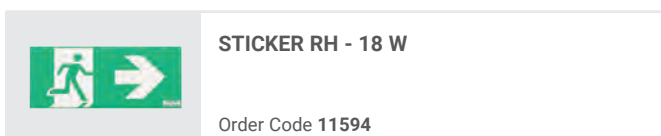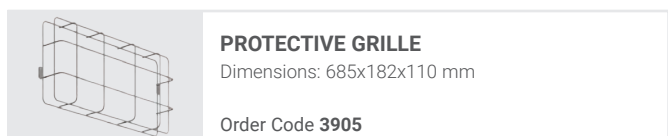
★ Compact design with only 2 cm thickness. Luminous flux up to 450 lm. Version with a fast-charging Titanium Battery (LTO), with 10 years of service life and for extreme working temperatures.

⤢ Adjustable autonomy from 1.5 to 8hrs. All accessories are available for special mounting, such as the three-phase track kit.

💡 Optical system with 4 transparent lenses to maximise illumination. The 824 version installs opal lenses for a more diffuse illumination.

Applications

Industry, services, hospitals, schools, residential

Characteristics

Power supply
UP LED: 230Vac ± 10%, 50÷60Hz
UP LED 824: 230Vac ± 10%, 50÷60Hz, 120Vac ± 10%, 50÷60Hz
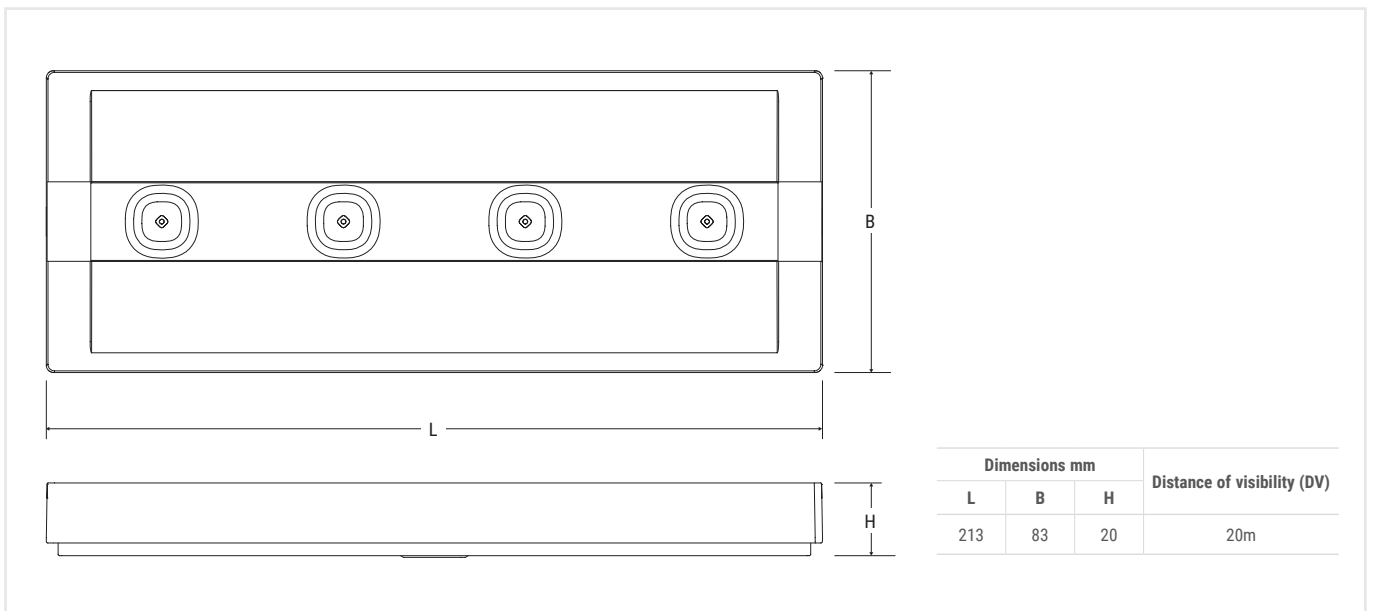**Mounting** Wall, ceiling, three-phase track
Recharging time 12hrs with LTO battery
Housing Polycarbonate, white RAL 9003
Optics Clear polycarbonate lenses
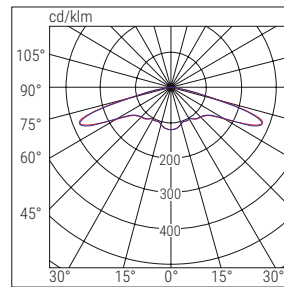**Screen** Clear polycarbonate
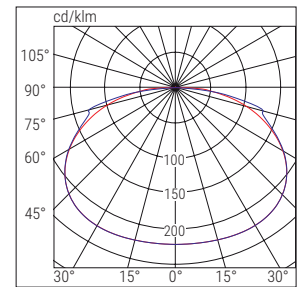**Compliance** EN 60598-1, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

TITANIUM BATTERY 10 YEARS WARRANTY

Dimensions mm			Distance of visibility (DV)
L	B	H	
213	83	20	20m

Performance according to EN 1838

Height (m) $\square$	Centre distance (m) ESCAPE ROUTES $\square\leftrightarrow\square$		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	8	-	5x6	-
3	-	15	-	14x14
	Lighting >1lx at floor level along the centre line without reflections Emax/Emin <40		Lighting >0.5lx at floor level without reflections Emax/Emin <40	

Performance with reference to luminaire **Order Code 4304** 450 lm Maintenance coefficient 0.8

UP LED

cd/klm

■ C90-C270 ■ C0-C180

UP LED 824

cd/klm

■ C0-C180 ■ C90-C270

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	
TR	4300	6-8	UP LED 6-8W SE 1/2/3N IP65 RM	SE	1/2/3	NiCd 3.6V 0.75 Ah	240/140/95	-		0.8W	0.25	12	**STANDARD**
	4301	11-24	UP LED 11-24W SE 1/2/3h IP65 RM	SE	1/2/3	NiMh 3.6V 1.2 Ah	340/195/130	-		0.8W	0.25	12	
	4302	24-36	UP LED 24-36W SE 1/2/3h IP65 RM	SE	1/2/3	NiMh 3.6V 1.5 Ah	450/240/170	-		1.2W	0.27	12	
	4303	11-24	UP LED 11-24W SA 1/2/3h IP65 RM	SA/SE	1/2/3	NiMh 3.6V 1.2 Ah	340/195/130	180		3.0W	0.25	12	
	4304	24-36	UP LED 24-36W SA 1/2/3h IP65 RM	SA/SE	1/2/3	NiMh 3.6V 1.5 Ah	450/240/170	240		3.5W	0.27	12	
	824S	24	UP LED 824S SE 100L 120' RM	SE	2	NiCd 3.6V 0.75Ah	100	-		0.8W	0.25	1/12	
	824M	24	UP LED 824M SE 150L 90' RM	SE	1.5	NiCd 3.6V 0.75Ah	150	-		0.8W	0.25	1/12	
	824L	24	UP LED 824L SE 250L 90' RM	SE	1.5	NiMH 3.6V 1.2A	250	-		0.8W	0.25	1/12	
	824MSA	24	UP LED 824M SA 150L 90' RM	SA/SE	1.5	NiCd 3.6V 0.75Ah	150	100		2.0W	0.25	1/12	
	824LSA	24	UP LED 824L SA 250L 90' RM	SA/SE	1.5	NiMH 3.6V 1.2A	250	100		2.0W	0.25	1/12	
AT - OPT	4370	11-24	UPLED 1124W IP65 AT OPT SE8LTO	SE	1/1.5/2/3/8	LTO 4.8V 0.5Ah	250/170/130/85/35	-		7.5W	0.3	1/12	**CENTRALISED SELF-TESTING**
	4371	24-36	UPLED 2436W IP65 AT OPT SE8LTO	SE	1/1.5/2/3/8	LTO 4.8V 1Ah	450/305/230/155/65	-		7.5W	0.3	1/12	
	4372	11-24	UPLED 1124W IP65 AT OPT SA8LTO	SA/SE	1/1.5/2/3/8	LTO 4.8V 0.5Ah	250/170/130/85/35	110		7.5W	0.3	1/12	
	4373	24-36	UPLED 2436W IP65 AT OPT SA8LTO	SA/SE	1/1.5/2/3/8	LTO 4.8V 1Ah	450/305/230/155/65	200		7.5W	0.3	1/12	
	LG		Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036										
	LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037										
	DALI		Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038										

ACCESSORIES - to be ordered separately
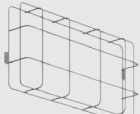
LH/RH/DOWN/UP SCREENS
Label on opal polycarbonate

Order Code **4326**

EDGE MOUNTED SCREEN

Order Code **4325**

LG - LGFM - DALI MODULE (AT-OPT version only)
LG - Order Code **15036**
LGFM - Order Code **15037**
DALI - Order Code **15038**
LG LGFM DALI

RM INIBIT REMOTE CONTROL
For TR versions

Order Code **2730**
RM

IP65 ACCESSORY KIT
Cable gland, 2 plugs, perimeter seal
Only required for IP65 rating in 824 versions
Order Code **4318**

PROTECTIVE GRILLE
Dimensions: 305x110x100 mm

Order Code **3903**

THREE-PHASE TRACK KIT

Order Code **4319**

ACCESSORIES - included

IP65 ACCESSORY KIT
Cable gland, 2 plugs, perimeter seal
Excluding version 824
Order Code **4318**

Completa

NUBe

TITANIUM BATTERY
10 YEARS
WARRANTY

		With enclosure	With enclosure				Batt. LTO	Batt. NiMH	Batt. NiCd
IP40	**IK07**	**IP66**	**IK09**	850°	▢		+45°C -20°C	+40°C 0°C	+40°C 0°C

★ Adjustable autonomy from 1 to 8 hrs. Version with a fast-charging Titanium Battery (LTO) for extreme working temperatures. **IK09** rating with optional IP66 enclosure, with **a mechanical resistance up to 5 times grater than that of a standard luminaire**.

⤢ The extensive range of accessories allows one luminaire to be used for recessed, ceiling, edge mounting and plasterboard applications. IP66 IK09 enclosure for harsh environments.

🪛 Recessed mounting with separated body of the diffuser/reflector unit, which remains integrated with the electronics and can be quickly installed in the recessed box provided.

Applications
Industry, services

Characteristics
Power supply
230Vac ± 10%, 50÷60Hz
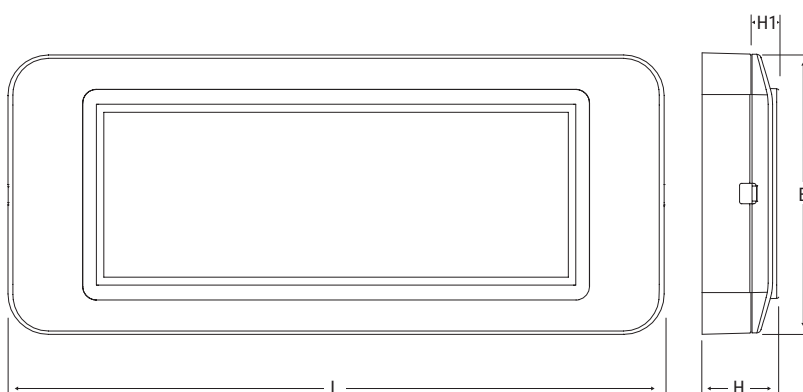**Mounting:** Wall, ceiling, recessed, false ceiling, edge mounting and wall signage
Recharging time 12hrs with LTO battery
Housing Polycarbonate, white RAL 9003
Optics Symmetrical, white
Screen Clear polycarbonate
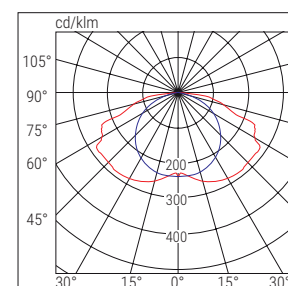**Compliance** EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

Dimensions mm				Distance of visibility (DV)	
L	**B**	**H**	**H1**	**Wall**	**Edge mounting**
CEILING					
294	126	34	-	15m	20m
RECESSED					
292	124	35	12	15m	20m
IP65 ENCLOSURE					
317	149	46	-	15m	20m

Performance according to EN 1838

Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	6	-	4x6	-
3	-	11	-	8x8
	Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 4108** 225 lm			Maintenance coefficient 0.8	

COMPLETA

cd/klm

■ C90-C270   ■ C0-C180

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	Conform.	
TR	**4101N**	6	COMPLETA LED 6W SE 1/3 LIFE	SE	1/3	LiFe 3,2V 0,5Ah	150/70	-		1.1W	0.5	1/6	⟪	**STANDARD**
	4102N	8	COMPLETA LED 8W SE 1/3 LIFE	SE	1/3	LiFe 3,2V 0,5Ah	200/80	-		1.1W	0.5	1/6	⟪	
	4103N	11	COMPLETA LED 11W SE 1/3 LIFE	SE	1/3	LiFe 3,2V 1,5Ah	500/180	-		1.1W	0.6	1/6	⟪	
	4105N	11	COMPLETA LED 11W SA 1/3 LIFE	SA/SE	1/3	LiFe 3,2V 1,5Ah	500/180	160		2,5W	0.6	1/6		
	4108N	24	COMPLETA LED 24W SE 1/3 LIFE	SE	1/3	LiFe 3,2V 1,5Ah	700/240	-		1.1W	0.6	1/6	⟪	
	4110N	24	COMPLETA LED 24W SA 1/3 LIFE	SA/SE	1/3	LiFe 3,2V 1,5Ah	700/240	160		2,5W	0.6	1/6		
AT - OPT	**4200**	8-11	CPLED 811W IP40 AT OPT SE 8LT	SE	1/1.5/2/3/8	LTO 4.8V 0.5Ah	150/100/75/55/25	-		7.5W	0.5	1/6		**CENTRALISED SELF-TESTING**
	4201	11-24	CPLED 1124W IP40 AT OPT SE 8LT	SE	1/1.5/2/3/8	LTO 4.8V 0.5Ah	250/170/130/85/35	-		7.5W	0.5	1/6		
	4202	24-36	CPLED 2436W IP40 AT OPT SE 8LT	SE	1/1.5/2/3/8	2xLTO 4.8V 0.5Ah	450/305/230/156/65	-		7.5W	0.5	1/6		
	4203	11-24	CPLED 1124W IP40 AT OPT SA 8LT	SA/SE	1/1.5/2/3/8	LTO 4.8V 0.5Ah	250/170/130/85/35	110		7.5W	0.5	1/6		
	4204	24-36	CPLED 2436W IP40 AT OPT SA 8LT	SA/SE	1/1.5/2/3/8	2xLTO 4.8V 0.5Ah	450/305/230/156/65	200		7.5W	0.5	1/6		

LG	Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036
LGFM	Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037
DALI	Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038

Completa

ACCESSORIES - included

LH/RH/DOWN STICKERS	**RECESSED BOX**
Order Code **4278**	Order Code **3733**

ACCESSORIES - to be ordered separately

IP66 - IK09 ENCLOSURE KIT
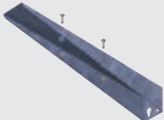To achieve a mechanical resistance up to 5 times greater than that of standard luminaires (IK07)
Order Code **4112**

DOWN EDGE MOUNTED SCREEN
Screen printing on clear polycarbonate
Order Code **4268**

WALL BRACKET X EDGE MOUNTING
Order Code **4265**

LH/RH EDGE MOUNTED SCREENS
Screen printing on clear polycarbonate
Order Code **4267**

FALSE CEILING BRACKET
Order Code **4266**

LH/RH/DOWN SCREENS
Screen printing on opal polycarbonate
Order Code **4269**

LG - LGFM - DALI MODULE (AT-OPT version only)
LG - Order Code **15036**
LGFM - Order Code **15037**
DALI - Order Code **15038**   LG LGFM DALI

PROTECTIVE GRILLE
Dimensions: 440x215x98,7 mm
Order Code **3912**

Stile In

☆ Luminaire designed for recessed mounting, with an autonomy of up to more than 8 hrs.

⤢ The extensive range of accessories allows one luminaire to be used for recessed, edge mounting and plasterboard applications.

⌀ For recessed mounting, a box is provided; for ceiling mounting, the housing is pre-fitted with several pre-drilled inlets to allow the entry of wire ways from all directions.

Applications
Services, commercial activities, shops, restaurants, offices

Characteristics
Power supply 230VAC ± 10%, 50÷60Hz
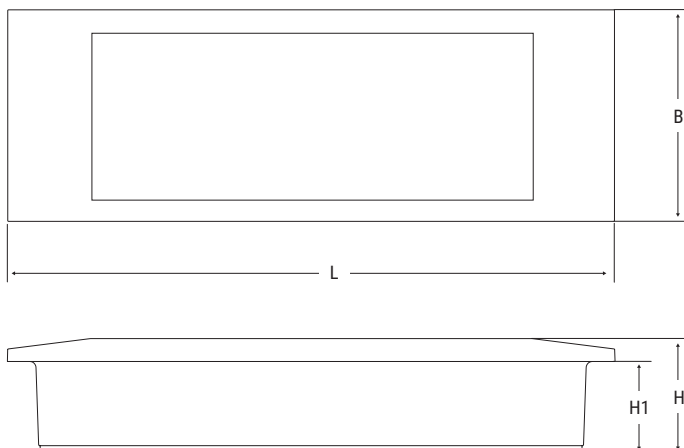**Mounting** Wall, ceiling, recessed, false ceiling, edge mounting
Recharging time 12h with LiFe battery
Housing Polycarbonate, white RAL 9003
Optics symmetrical, polycarbonate, white
Screen Clear polycarbonate
**Compliance** EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

| IP40 | IK05 | 850° | ▣ | Batt. LiFe +40°C 0°C | Batt. Pb +40°C 0°C |

Dimensions mm				Distance of visibility (DV)	
L	B	H	H1	screen	edge mounting
292	102	55.5	44.5	15m	20m

Performance according to EN 1838

Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	5	-	3x3	-
3	-	7	-	5x5
	Lighting >1lx at floor level along the centre line without reflections Emax/Emin <40		Lighting >0.5lx at floor level without reflections Emax/Emin <40	

Performance with reference to luminaire **Order Code 1499L** 130 lm   Maintenance coefficient 0.8
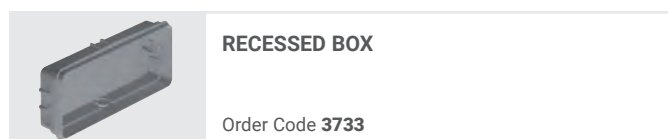
STILE IN 1499, 1499-24
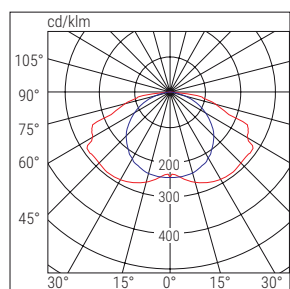
■ C90-C270   ■ C0-C180
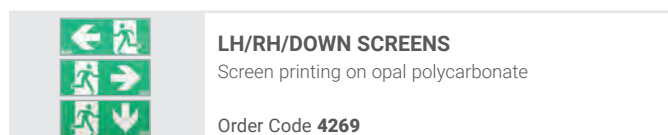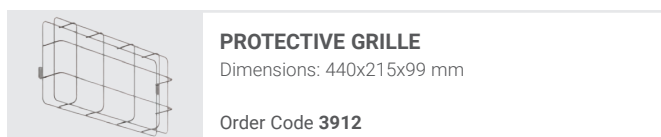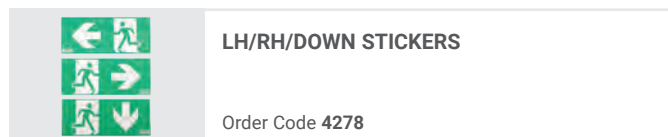
STILE IN 1499L
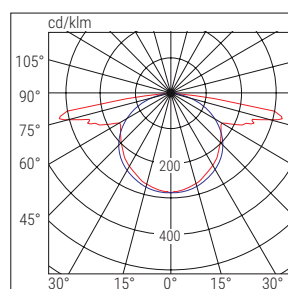
■ C90-C270   ■ C0-C180

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/Multi pack	Conform.	
TR	1499	8	STILE IN LED 11 SE 8P	SE	8	Pb 4V 3Ah	130	-		2W	0.7	12	⟪	STANDARD
	1499/24	8	STILE IN LED 24 SE 6P	SE	6	Pb 4V 3Ah	200	-		2W	0.8	12		
	1499L	11	STILE IN LED 11 SE8 LI-FE	SE	8	LiFe 3.2V 3Ah	130	-		2W	0.4	12		

ACCESSORIES - included

RECESSED BOX

Order Code **3733**

ACCESSORIES - to be ordered separately

EDGE MOUNTED SCREEN - Only versions 1499 and 1499/24 **-** Screen printing on clear polycarbonate
DOWN version Order Code **4268**
LH/RH version Order Code **4267**

WALL BRACKET FOR EDGE MOUNTING

Order Code **4265**

LH/RH/DOWN STICKERS

Order Code **4278**

PROTECTIVE GRILLE
Dimensions: 440x215x99 mm

Order Code **3912**

LH/RH/DOWN SCREENS
Screen printing on opal polycarbonate
Order Code **4269**

Metrica

NUBe

IP65 **IK07** △850° ▢ Batt. LTO +45°C -20°C

TITANIUM BATTERY **10 YEARS** *WARRANTY*
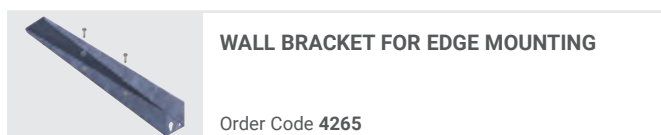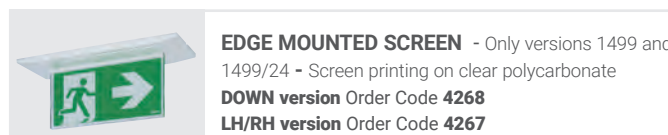
☆ Luminous flux up to 1600lm and adjustable autonomy, with a fast-charging Titanium battery, with 10 years of service life and for extreme working temperatures.

⌕ Optics designed to direct the light beam towards the ground. An additional beam-controlled lens designed for escape routes is fitted as standard. When removing the lens, the beam width is ideal for overhead mounting.

Applications

Services, also for applications in design environments

Characteristics

Power supply* 230VAC ± 10%, 50÷60Hz

Mounting Wall, recessed
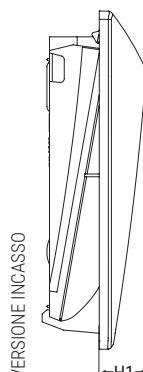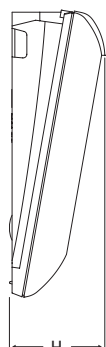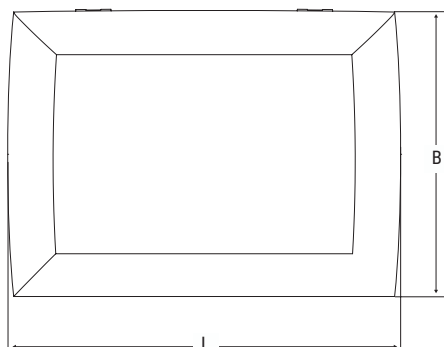
Recharging time 12h

Housing Polycarbonate, white RAL 9003

Optics Anti-glare aluminium

Screen Clear polycarbonate

Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

* LG230, LG24, HT systems consider the parameters of the control unit used

VERSIONE INCASSO

Version	Dimensions mm			
	L	B	H	H1
L	213	155	62	-
XL	355	180	58	-
L - recessed mounting kit	240	184	-	25
XL - recessed mounting kit	388	213	-	30

Reference standard UNI EN 1838

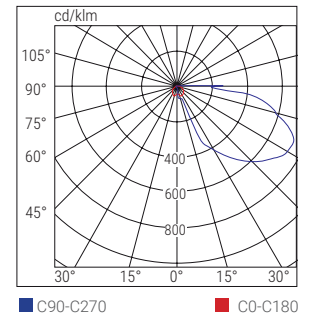| Lens	Height (m) □↕	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
Present	2.5	16	-	-	-
Removed	2.5	-	-	7x10	-
		Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	

Performance with reference to luminaire **Order Code 19421** 800lm - Maintenance coefficient 0.8

METRICA WITH LENS

■ C90-C270   ■ C0-C180

METRICA WITHOUT LENS

■ C90-C270   ■ C0-C180

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	Batt. AUTORIPARA SUPPLIED Flux SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	
LG	19420	11	METRICA LED LGAR/ SA/PS LTO L	SA/SE/PS	1/1.5/3*	LTO 9.6V 0.5Ah	→	600/400/200	250		5W	0.8	1/12	CENTRALTEST
	19421	36	METRICA LED LGAR/ SA/PS LTO XL	SA/SE/PS	1/1.5/3*	LTO 9.6V 1.2Ah	→	1600/1100/550	800		13W	1	1/12	
	LGFM	Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037												
	DALI	Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038												
LG230	31121	11	METRICA LED LGS230 L						550	6.8W	8.6VA	0.7	1/12	CENTRALISED BATTERY
	31123	36	METRICA LED LGS230 XL						1100	11.3W	12.6VA	0.8	1/6	
LG24	32090	11	METRICA LED LGS24 L				260		550	3W	6.8VA	0.7	1/12	
	32093	36	METRICA LED LGS24 XL				530		1100	4.3W	11.1VA	0.8	1/6	
HT230	17423	11	METRICA LED HT L						550	6.3W	6.8VA	0.7	1/12	
	17424	36	METRICA LED HT XL						1100	11W	11.1VA	0.8	1/6	

* The indicated flux and autonomy refer to the luminaire set in HIGH FLUX mode - with the LONG OPERATING TIME setting, the autonomy doubles and the flux is reduced.

ACCESSORIES - included

AR LTO 9.6V 1.2Ah BATTERY SYSTEM
Compatible with Order Code **19421**

Order Code **RA04**

CABLE CONDUIT GLAND PG16/PG20
Removable for overhead mounting

Order Code **3727**

AR LTO 9.6V 0.5Ah BATTERY SYSTEM
Compatible with Order Code **19420**

Order Code **RA05**

LH/RH/DOWN STICKERS
XL version only

Order Code **12941**

ACCESSORIES - to be ordered separately

RECESSED MOUNTING KIT

Order Code **12942** (Version L)
Order Code **12943** (Version XL)

LGFM - DALI MODULE (LG version only)

LGFM - Order Code **15037**
DALI - Order Code **15038**

LGFM   DALI

LG INIBIT REMOTE CONTROL
RM for LG versions only

Order Code **12101**

LG

Lungalargaluce

NuBe

Batt. LTO

IP41 IK07 850° +45°C -20°C

★ TITANIUM BATTERY ★
10 YEARS
★ WARRANTY ★

☆ Reduced aesthetic impact for a multi-purpose ceiling-mounted luminaire just 3 cm thick.

⤢ A single luminaire for evacuaescape tion routes up to more than 17m and for panic areas up to 130sqm. Ceiling mounting, but also wall mounting, thanks to the specific Diffusaluce lens. Adjustable autonomy from 1 to 8 hrs.

💡 Three lenses supplied with different light beams. Optional asymmetrical accent lens for illuminating fire fighting and protective equipment.

🔧 Quick installation without any recessed holes.

Applications

Industry, services, warehouses, schools, hospitals, shops, shopping centres, offices

Characteristics
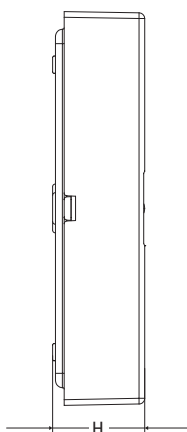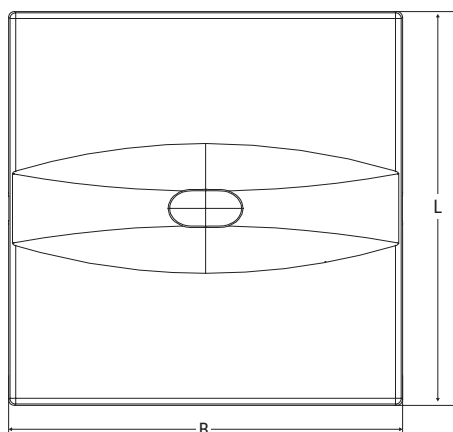
Power supply* 230VAC ± 10%, 50÷60Hz
Mounting Ceiling
Recharging time 12h
Housing Polycarbonate, white RAL 9010
Optics Highly transparent PMMA lenses
Compliance EN 60598-1, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

* LG230, LG24, HT systems consider the parameters of the control unit used

Dimensions mm		
L	B	H
137	137	32

Reference standard UNI EN 1838

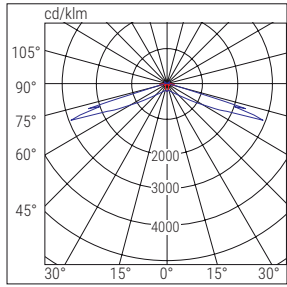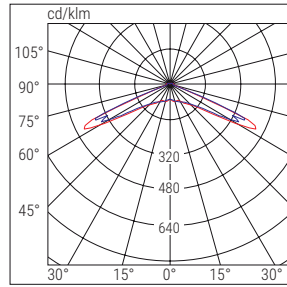| Lens	Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
Lungaluce	3	-	20	-	-
Largaluce	3	-	-	-	12x12
		Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 19329** 450lm				Maintenance coefficient 0.8	

ASIMMETRICA*

LENS FOR POINTS OF EMPHASIS WALL MOUNTED ACCORDING TO EN 1838

Order Code **F95815**
To be ordered separately

LUNGALUCE `87%`
cd/klm
- 105°, 90°, 75°, 60°, 45°, 30°, 15°, 0°, 15°, 30°
- 2000, 3000, 4000
- ■ C90-C270   ■ C0-C180

LARGALUCE `95%`
cd/klm
- 105°, 90°, 75°, 60°, 45°, 30°, 15°, 0°, 15°, 30°
- 320, 480, 640
- ■ C90-C270   ■ C0-C180

DIFFUSALUCE `85%`
cd/klm
- 105°, 90°, 75°, 60°, 45°, 30°, 15°, 0°, 15°, 30°
- 100, 150, 200
- ■ C90-C270   ■ C0-C180

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	Conform.
AT - OPT	19328	24	L.LARG DWCL AT OPT 24W SA LT0	SA/SE	1/1.5/2/3/8	LTO 7.2V 0.5AH	250/200/150/80/50	220		5W		1/6	
	19329	24GL	L.LARG DWCL AT OPT GL SA LT0	SA/SE	1/1.5/2/3/8	2x LTO 7.2V 0.5AH	450/330/250/160/170	220		5W		1/6	
	LG	Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036											
	LGFM	Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037											
	DALI	Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038											
LG230	17876	24	LLARGA DWCL LGS230					380	4.1W	8.3VA		1/6	
LG24	17877	24	LLARGA DWCL LGS24 LS-UV				380	380	3.8W			1/6	
HT230	19320	24	L.LARG DWCL HT 24W					380	4.8W	9.6VA		1/6	⟨K⟩

CENTRALISED SELF-TESTING / CENTRALISED BATTERY

* The fluxes shown refer to the luminaire without lens. To identify the actual flux of the product, please consider the yield percentage indicated in the lens photometry in addition to the value shown in the table.

ACCESSORIES - included

LUNGALUCE LENS

LARGALUCE LENS

DIFFUSALUCE LENS

ACCESSORIES - to be ordered separately

LG - LGFM - DALI MODULE (AT-OPT version only)
LG - Order Code **15036**
LGFM - Order Code **15037**
DALI - Order Code **15038**   `LG` `LGFM` `DALI`

LARGALUCE LENS 7m

Order Code **F95819**

LARGALUCE LENS 12m - Order Code **F95808**
LUNGALUCE LENS 12m - Order Code **F95807**
ASIMMETRICA* LENS - Order Code **F95815**

Lens photometry and fluxes are available in the electronic catalogue on begelli.com.

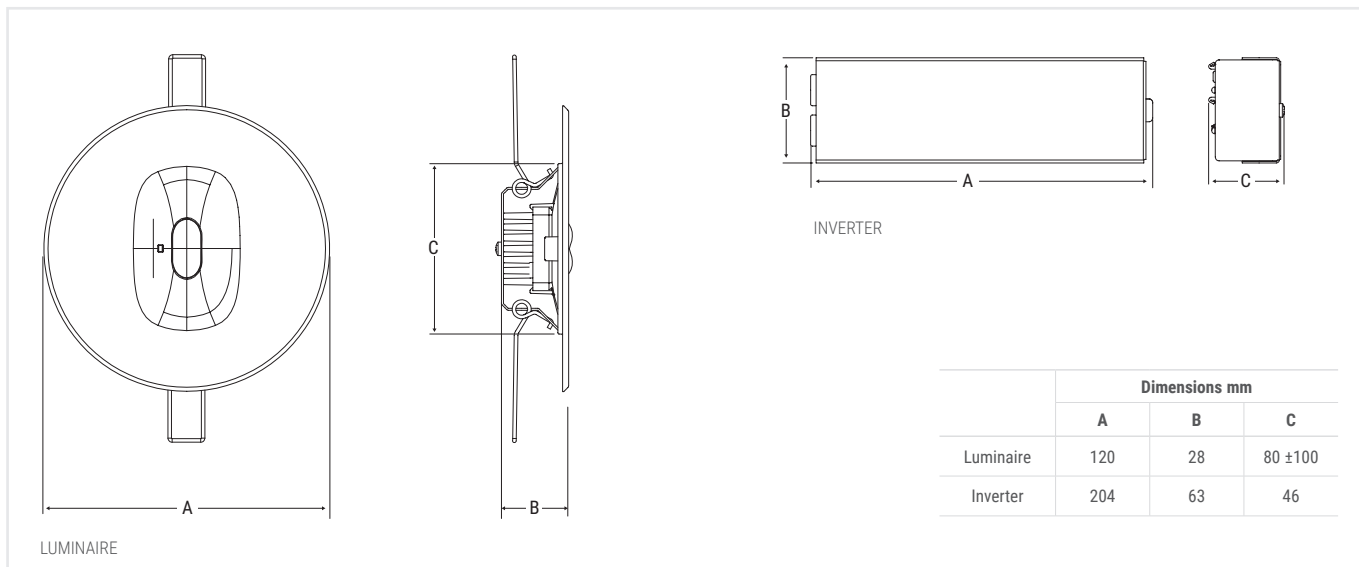# Lungalargaluce-recessed mounting

NUBe

☆ Recessed luminaire with multi-purpose beam and very low aesthetic impact.

⤢ A single luminaire for escape routes up to more than 17m and for panic areas up to 130sqm. Adjustable autonomy from 1 to 8 hrs.

💡 Two lenses supplied. Optional asymmetrical accent lens for illuminating fire fighting and protective equipment.

🪛 Extremely quick mounting thanks to steel springs that allow orientation even after installation. Recessed hole ø 80÷100mm.

Applications

Services, offices, cinemas, hotels, museums, schools, shops, shopping centres, design rooms

Characteristics

Power supply* 230VAC ± 10%, 50÷60Hz
Mounting False ceiling, recessed
Recharging time 12h
Housing Polycarbonate, white RAL 9010
Optics Highly transparent PMMA lenses
Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

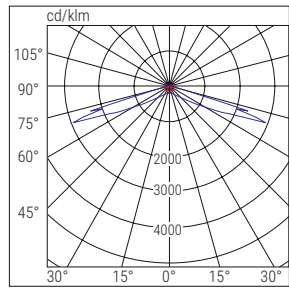* LG230, LG24, HT systems consider the parameters of the control unit used

Batt. LTO

| IP42 | IK07 | 850° | +45°C -20°C |

TITANIUM BATTERY 10 YEARS WARRANTY

INVERTER

LUMINAIRE

	Dimensions mm		
	A	**B**	**C**
Luminaire	120	28	80 ±100
Inverter	204	63	46

Reference standard UNI EN 1838

Lens	Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
Lungaluce	3	-	20	-	-
Largaluce	3	-	-	-	12x12
		Lighting >1lx at floor level along the centre line without reflections Emax/Emin <40		Lighting >0.5lx at floor level without reflections Emax/Emin <40	
	Performance with reference to luminaire **Order Code 19339** 450lm			Maintenance coefficient 0.8	

ASIMMETRICA*

LENS FOR POINTS OF EMPHASIS WALL MOUNTED ACCORDING TO EN 1838

Order Code **F95815**
To be ordered separately

LUNGALUCE 87%

■ C90-C270   ■ C0-C180

LARGALUCE 95%

■ C90-C270   ■ C0-C180

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	Conform.
AT - OPT	19338	24	LLARG DWRC AT/OPT 24W SA LTO	SA/SE	1/1.5/2/3/8	LTO 7.2V 0.5AH	250/200/150/80/50		220	5W		1/6	
	19339	24GL	LLARG DWRC AT/OPT 24W GL SA LTO	SA/SE	1/1.5/2/3/8	2x LTO 7.2V 0.5AH	450/330/250/160/70		220	5W		1/6	
	LG		Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036										
	LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037										
	DALI		Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038										
LG230	17878	24	L.LARGA DWRC LGS230					380	4.1W	8.3VA		1/6	
LG24	17879	24	L.LARGA DWRC LGS24 LS-UV				380	380	3.8W			1/6	
HT230	19330	24	L.LARG DWRC HT 24W					380	4.8W	9.6VA		1/6	

(CENTRALISED SELF-TESTING / CENTRALISED BATTERY)

* The fluxes shown refer to the luminaire without lens. To identify the actual flux of the product, please consider the yield percentage indicated in the lens photometry in addition to the value shown in the table.

ACCESSORIES - included

 LUNGALUCE LENS

 LARGALUCE LENS

ACCESSORIES - to be ordered separately

 LG - LGFM - DALI MODULE (AT-OPT version only)
LG - Order Code **15036**
LGFM - Order Code **15037**
DALI - Order Code **15038**   [LG] [LGFM] [DALI]

 LARGALUCE LENS 7m

Order Code **F95819**

 LARGALUCE LENS 12m - Order Code **F95808**
LUNGALUCE LENS 12m - Order Code **F95807**
ASIMMETRICA* LENS - Order Code **F95815**
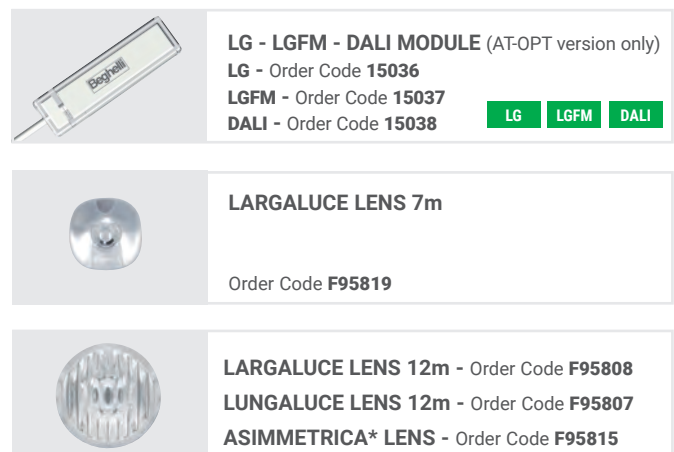
Lens photometry and fluxes are available in the electronic catalogue on begelli.com.

Multi Lens

NuBe

| IP42 | IK07 | 850° | Batt. LiFe +40°C 0°C | Batt. LTO +45°C -20°C |

TITANIUM BATTERY
10 YEARS
WARRANTY

☆ Minimal aesthetic impact and high performance with a 10-year warranty.

⤢ A single luminaire for escape routes up to 12m and for panic areas up to 90sqm. Adjustable autonomy from 1 to 8 hrs.

💡 Three interchangeable lenses supplied for mounting from 3 to 7m high, with different light beams.

🔧 Springs for quick fastening to false ceilings.
Recessed hole ø60 mm.

Applications
Services, offices, cinemas, hotels, schools, shops, shopping centres, showrooms

Characteristics
Power supply 230VAC ± 10%, 50÷60Hz
Mounting Recessed
Recharging time 12h
Housing Polycarbonate
Optics Highly transparent PMMA lenses
Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034
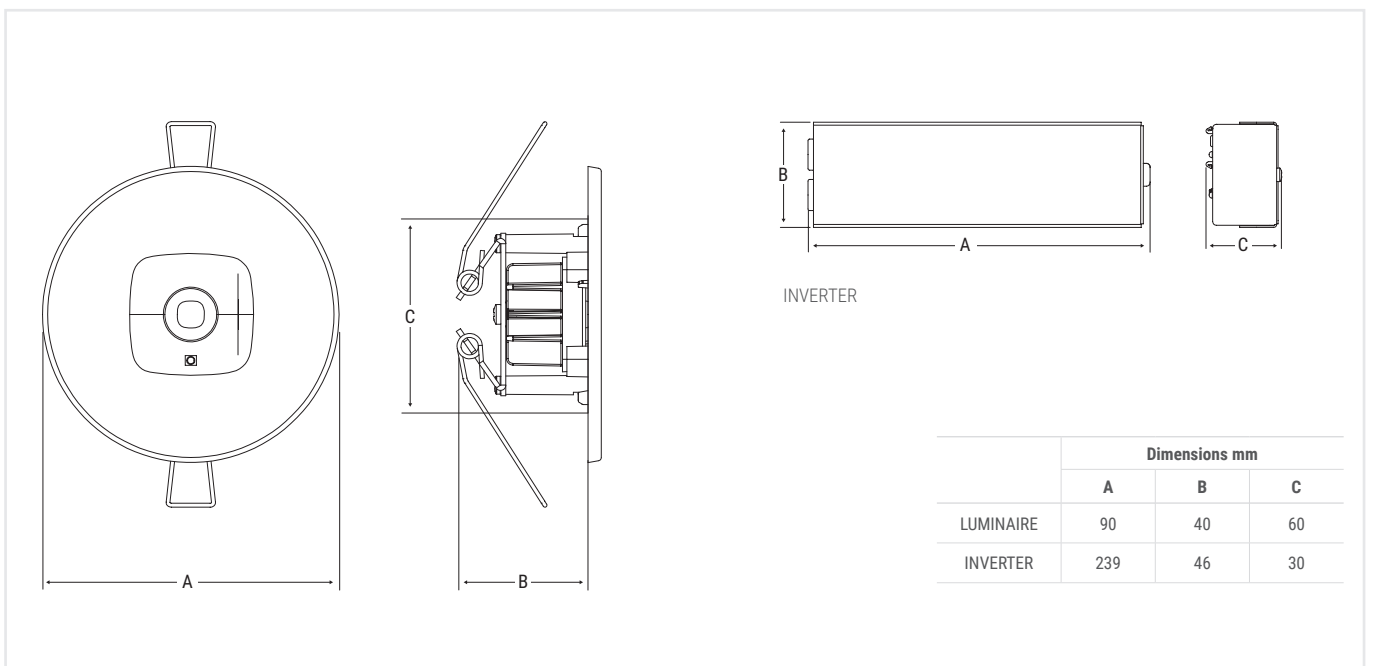
INVERTER

	Dimensions mm		
	A	B	C
LUMINAIRE	90	40	60
INVERTER	239	46	30

Reference standard UNI EN 1838

Lens	Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
Lungaluce	3	-	17	-	-
Largaluce	3	-	-	-	12x12
Altaluce	7	-	15	-	-
		Lighting >1lx at floor level along the centre line without reflections Emax/Emin <40		Lighting >0.5lx at floor level without reflections Emax/Emin <40	
	Performance with reference to luminaire **Order Code 4334** 450lm			Maintenance coefficient 0.8	

LUNGALUCE `87%`
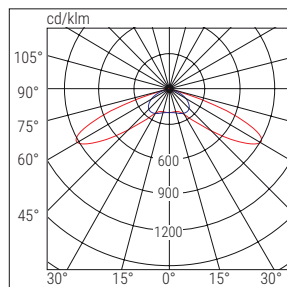
■ C90-C270   ■ C0-C180

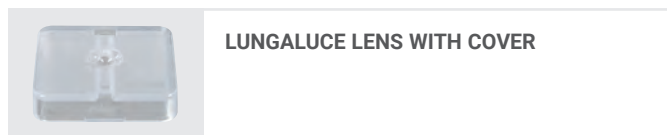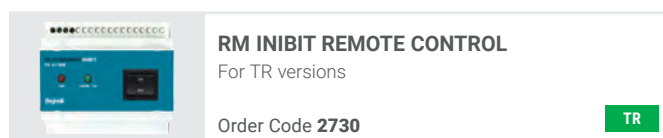**LARGALUCE** `92%`
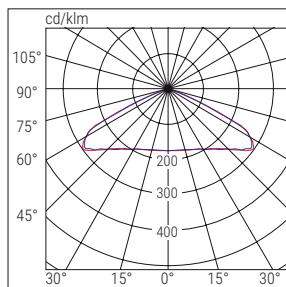
■ C90-C270   ■ C0-C180

ALTALUCE `85%`

■ C90-C270   ■ C0-C180

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	
TR	4330	24	MULTI LENS 60MM SE 1h RM	SE	1	LiFe 3.2V 1.5Ah	250			1W	0.4	1/6	**STANDARD**
	4331	11	MULTI LENS 60MM SE 3h RM	SE	3	LiFe 3.2V 1.5Ah	90			1.5W	0.4	1/6	
	4334	24GL	MULTI LENS GL 60MM SA 1/2/3h RM	SA/SE	1/2/3	LiFe 3.2V 1.5Ah	450/250/150	220		3W	0.4	1/6	
	4335	24GL	MULTI LENS GL 60MM SA 2/3/6h RM	SA/SE	2/3/6	LiFe 3.2V 3Ah	450/300/150	220		3W	0.4	1/6	
AT - OPT	4390	24	MULTI LENS AT OPT SE 8LTO	SE	1/1.5/2/3/8	LTO 7.2V 0.5AH	250/200/150/80/50			3.5W	0.4	1/6	**CENTRALISED SELF-TESTING**
	4391	24	MULTI LENS AT OPT SA 8LTO	SA/SE	1/1.5/2/3/8	LTO 7.2V 0.5AH	250/200/150/80/50	220		5W	0.4	1/6	
	4393	24GL	MULTI LENS GL AT OPT SA 8LTO	SA/SE	1/1.5/2/3/8	2xLTO 7.2V 0.5AH	450/330/250/160/170	220		5W	0.4	1/6	
	LG	Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036											
	LGFM	Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037											
	DALI	Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038											

ACCESSORIES - included

LUNGALUCE LENS WITH COVER

LARGALUCE LENS WITH COVER

ALTALUCE LENS WITH COVER

ACCESSORIES - to be ordered separately

LG - LGFM - DALI MODULE (AT-OPT version only)
LG - Order Code **15036**
LGFM - Order Code **15037**
DALI - Order Code **15038**   `LG` `LGFM` `DALI`

RM INIBIT REMOTE CONTROL
For TR versions

Order Code **2730**   `TR`

Lumax 65

NuBe

Batt. LTO

| IP65 | IK10 | ⋀850° | 🌡 +45°C -20°C |

TITANIUM BATTERY
10 YEARS
WARRANTY

☆ Titanium battery for fast charging and a long luminaire lifespan. High luminous flux with diffuse emission

⤢ Lighting and emergency lighting integrated with multiple control systems, both self-contained and centralised

👤 Available version with microwave motion sensor for automatic lighting activation

Applications

Indoor, outdoor, services, residential buildings, stairwell lighting, corridors, shops, hotels, restaurants

Characteristics

Power supply* 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling
Recharging time 12h
Housing Polycarbonate, grey RAL 9006
Screen Opal polycarbonate
Compliance EN 60598-1, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

* LG230, LG24, HT systems consider the parameters of the control unit used

Dimensions mm	
Ø	H
300	90

Performance according to EN 1838

Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	6	-	6x6	-
3	-	10	-	6x6
	Lighting >1lx at floor level along the centre line without reflections Emax/Emin <40		Lighting >0.5lx at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 37126** 278 lm			Maintenance coefficient 0.8	

LUMAX 65
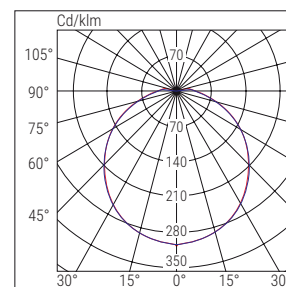
Cd/klm

■ C0-C180   ■ C90-C270

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC (SE/SA)	Weight Kg	Packaging Single/Multi pack	
AT	37126		LUMAX65 GR SA/SE AT 4K	SA/SE	1/3/8	2 x LTO 7.2V 0.5Ah	278/140/38	1500		2.5/18W			**AUTOTEST**
	37236*		LUMAX65 GR SA/SE AT 4K MW	SA/SE	1/3/8	2 x LTO 7.2V 0.5Ah	278/140/38	1500		2.5/18W			
LG	37127		LUMAX65 GR SA/SE LG 4K	SA/SE	1/3/8	2 x LTO 7.2V 0.5Ah	278/140/38	1500		2.5/18W			**CENTRALTEST**
	37237*		LUMAX65 GR SA/SE LG 4K MW	SA/SE	1/3/8	2 x LTO 7.2V 0.5Ah	278/140/38	1500		2.5/18W			
LGFM	37128		LUMAX65 GR SA/SE LGFM 4K	SA/SE	1/3/8	2 x LTO 7.2V 0.5Ah	278/140/38	1500		2.5/18W			**CENTRALTEST**
	37238*		LUMAX65 GR SA/SE LGFM 4K MW	SA/SE	1/3/8	2 x LTO 7.2V 0.5Ah	278/140/38	1500		2.5/18W			
LG230	31090		LUMAX65 GR S230 SA/SE 4K	SA/SE				1500	18.5W	19.5VA			**CENTRALISED BATTERY**
	31208		LUMAX65 GR S230 SA/SE 4K MW	SA/SE				1500	18.5W	19.5VA			
LG24	32067		LUMAX65 GR S24 SA/SE 4K	SA/SE			280	1500	4.3W	18VA			
	32122*		LUMAX65 GR S24 SA/SE 4K MW	SA/SE			280	1500	4.3W	18VA			
HT230	31092		LUMAX65 GR HT 4K					1500	17W	18VA			
	31210*		LUMAX65 GR HT 4K MW				-	1500	17W	18VA			

★ Version with built-in microwave motion sensor

ACCESSORIES - to be ordered separately

LG INIBIT REMOTE CONTROL
RM for LG versions only

Order Code **12101**   `LG`

TuttiFrutti

| IP40 | IK05 | ⚠️850° | ▣ | Batt. LiFe +40°C 0°C | Batt. NiCd +40°C 0°C |

★ Advanced emergency system for all popular emergency luminaries for wiring systems.

⛶ Light sensor for automatic activation in night mode.

🔦 Triple reflective system for lighting, status LED display and activation of the light sensor in protected mode from other artificial sources.

🪛 Patented fixing system that fits all emergency luminaries for wiring systems. Mounting does not require a replacement of the existing frame and/or plate. Anchoring is done directly on the holes of the wall recess-mounted box (503/506) only.

Applications

Residential and services, either emergency lighting or night lighting, as well as steplight

Characteristics

Power supply 230VAC ± 10%, 50÷60Hz
Mounting recessed (box 506)
Recharging time 12h with LiFe battery
Housing Polycarbonate
Optics PC, asymmetrical, metallic
Screen Clear polycarbonate
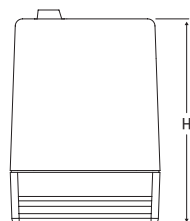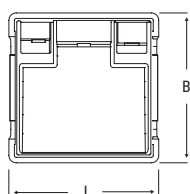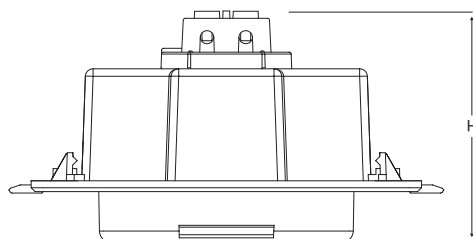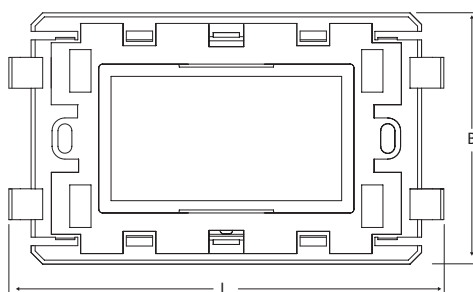**Compliance** EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034
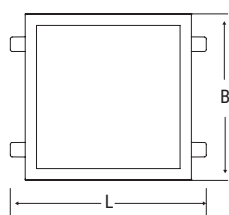
TUTTIFRUTTI 2
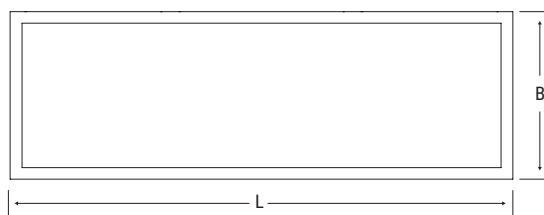
TUTTIFRUTT6
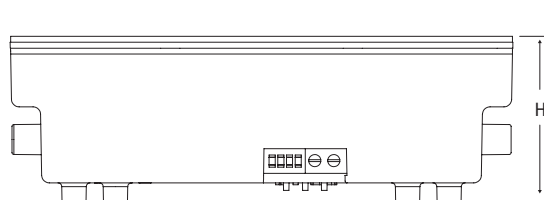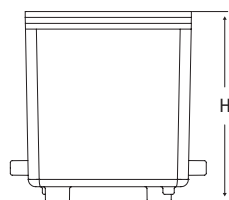
Version	Dimensions mm		
	L	B	H
TUTTIFRUTTI 2	52	44	54
TUTTIFRUTTI 6	132	44	44

TUTTIFRUTTI 2

cd/klm
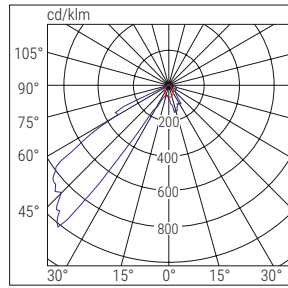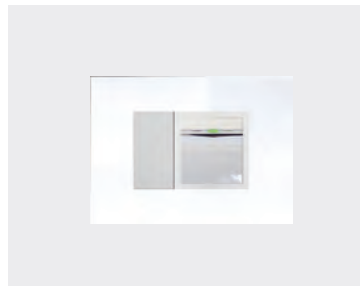
C90-C270　　C0-C180

TUTTIFRUTTI 6
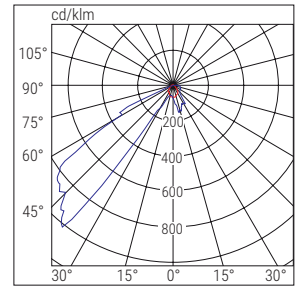
cd/klm

C90-C270　　C0-C180

	Order Code	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power		Weight Kg	Packaging Single/ Multi pack
								DC	AC		
TR	**TUTTIFRUTTI 2**										
	4607	TUTTIFRUTTI 2-3 LED SE 2h	SE	2	LiFe 3.2V 0.2Ah	30			0.7W	0.25	1/6
	TUTTIFRUTTI 6										
	4609	TUTTIFRUTTI 6 LED SE 2h	SE	2	NiCd 3.6V 0.4Ah	70	-		0.7W	0.25	1/24

STANDARD

Fruttoluce

| IP40 | IK05 | ⚠850° | ▢ | Batt. NiCd +40°C 0°C | Batt. Li-ion +40°C 0°C |
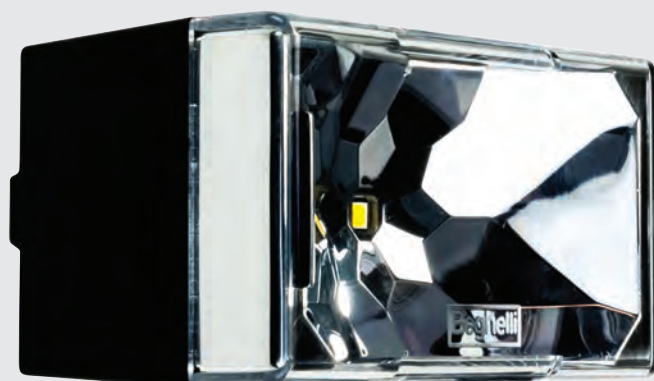
☆ Residential emergency system with modules of 1, 2, 3 and 6 electrical contact blocks.

⛶ Light sensor for automatic activation in night mode. 3 x electrical contact blocks pull-out version.

💡 Triple reflective system for lighting, status LED display and activation of the light sensor in protected mode from other artificial sources.

🔧 Each luminaire is equipped with adapters for mounting on the most common emergency luminaries for wiring systems.

Applications

Services and residential, for emergency lighting or night lighting and as steplight

Characteristics

Power supply 230VAC ± 10%, 50÷60Hz
Mounting Wall as steplight, wall as night light, wall as emergency lighting
Housing Polycarbonate
Optics Asymmetrical, metallic
Screen Clear polycarbonate
Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

FRUTTOLUCE 1-2

FRUTTOLUCE 3-6

Version	Dimensions mm		
	L	B	H
FRUTTOLUCE 1	19	41	56.5
FRUTTOLUCE 2	41	41	56.5
FRUTTOLUCE 3	112	65	60
FRUTTOLUCE 6	187	70	40

FRUTTOLUCE 1

cd/klm

105°
90°
75°
60°
45°
200
400
600
800
30° 15° 0° 15° 30°

■ C90-C270   ■ C0-C180

FRUTTOLUCE 2

cd/klm

105°
90°
75°
60°
45°
200
400
600
800
30° 15° 0° 15° 30°

■ C90-C270   ■ C0-C180

FRUTTOLUCE 3

cd/klm

105°
90°
75°
60°
45°
200
300
400
30° 15° 0° 15° 30°
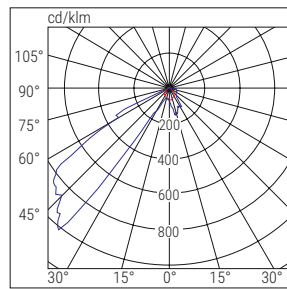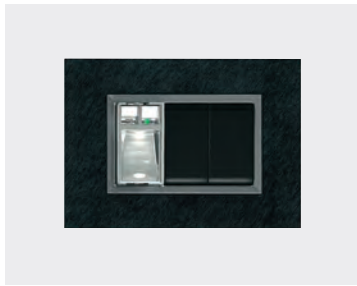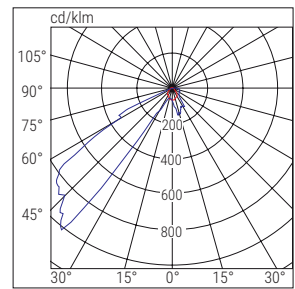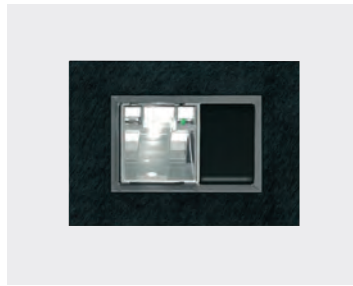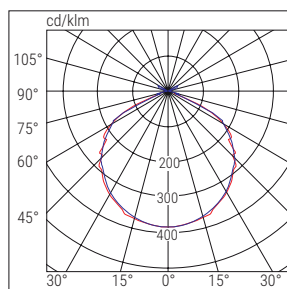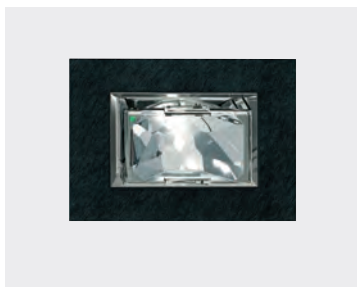
■ C0-C180   ■ C90-C270

FRUTTOLUCE 6

cd/klm

105°
90°
75°
60°
45°
200
400
600
800
30° 15° 0° 15° 30°
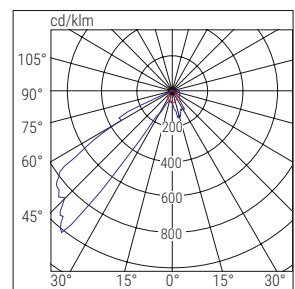
■ C90-C270   ■ C0-C180
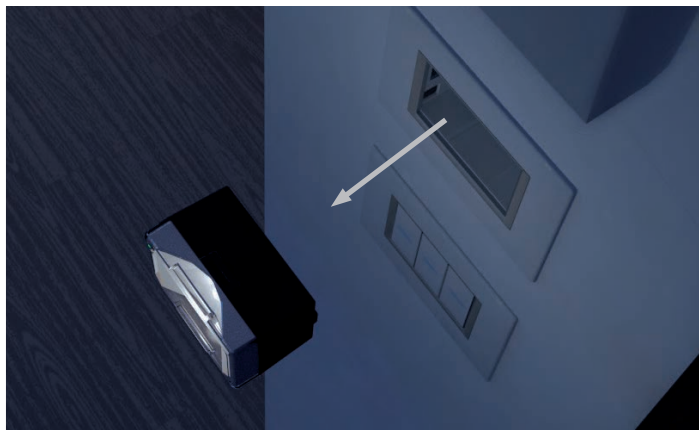
FRUTTOLUCE 3
EXTRACTABLE TORCH FOR DOMESTIC USE

FruttoLuce3 can be conveniently removed from the mount to bring light where it is needed. The unlocking system facilitates the extraction of the torch while ensuring a maximum safety of the power supply terminal block.

	Order Code	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack
	FRUTTOLUCE 1										
	4601	FRUTTOLUCE1 LED SE/SA 1N	SA/SE	1	Li-ion 3.2V 0.1Ah				0.5W	0.1	12
	FRUTTOLUCE 2										
	4602	FRUTTOLUCE2 LED SE/SA 1N	SA/SE	1	NiCd 2.4V 0.4Ah				0.8W	0.13	12
	FRUTTOLUCE 3										
	4603	FRUTTOLUCE3 LED SE/SA 1N	SA/SE	1	NiCd 2.4V 0.4Ah				0.4W	0.2	12
	FRUTTOLUCE 6										
	4605	FRUTTOLUCE6 LED 4605-SE/SA 1N	SA/SE	1	NiCd 4.8V 0.4Ah				1W	0.2	12

TR

STANDARD

Linea 500

☆ Residential emergency for boxes 503 and 506, hole cover plate supplied.

⤢ Also suitable for use as a steplight in public places of entertainment.

| **IP40** | **IK05** | **850°** | ▣ | Batt. NiCd
+40°C
0° C |

Applications

Residential and services, also in premises used for public entertainment

Characteristics
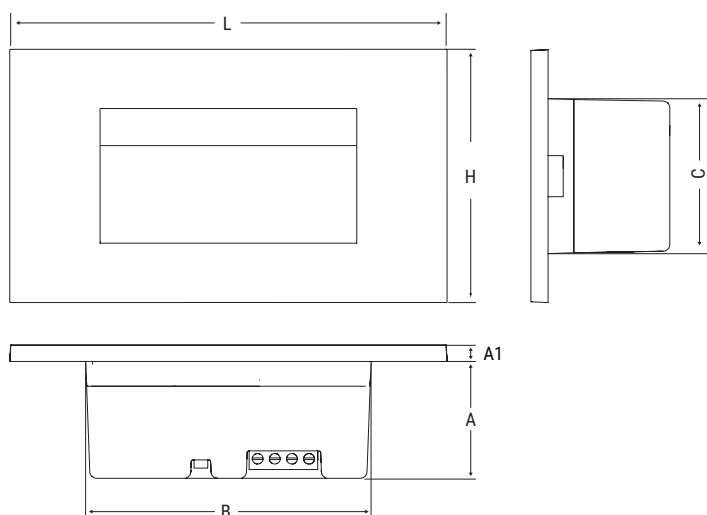
Power supply 230VAC ± 10%, 50÷60Hz
Mounting Recessed
Housing Polycarbonate
Optics Symmetrical, metallic
Screen Clear polycarbonate
Plate Polycarbonate, RAL 9003
Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

Version	Dimensions mm					
	L	H	B	A	A1	C
LINEA 503	118	76	78	36	5	49
LINEA 506	209	76	164	35	5	47

LINEA 503

cd/klm
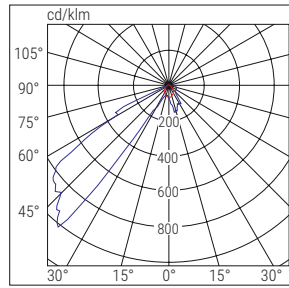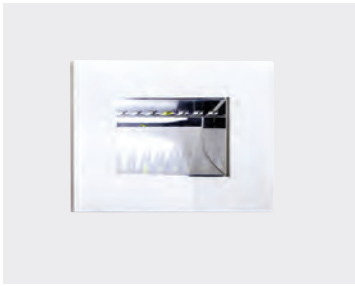
■ C90-C270   ■ C0-C180

LINEA506

cd/klm

■ C90-C270   ■ C0-C180

	Order Code	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/Multi pack	
TR	**LINEA 503**											STANDARD
	4611	LINEA 503 LED SE 2h	SE	2	NiCd 3.6V 0.4Ah	60			0.8W	0.4	1/12	
	LINEA 506											
	4612	LINEA 506 LED SE 1h	SE	1	NiCd 3.6V 0.4Ah	40			0.8W	0.4	1/12	

ACCESSORIES - included

HOLE COVER PLATE
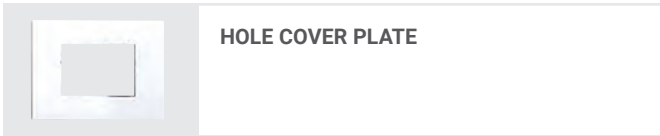
059 emergency luminaries for wiring systems

Placca Brain Classic Emergenza

☆ Light plate with 15 colours that can be adjusted to different levels of light intensity. Equipped with battery for emergency lighting.

⤢ Steplight, night lighting, emergency lighting function.

💡 Double battery of high intensity RGB LEDs with lighting scheme and light diffusion pattern, backlight type.

🔧 It can be installed on all the most common emergency luminaries for wiring systems using the existing electrical contact blocks and frame. White and black versions.

| IP20 | IK05 | 850° | ▣ | Batt. Li-ion +40°C 0°C | 15 RGB settable colours |

Applications
Residential, services, luxury hotels, showrooms, designer restaurants

Characteristics
Power supply* 230VAC ± 10%, 50÷60Hz
Mounting On box 503
Housing Polycarbonate, white RAL 9003
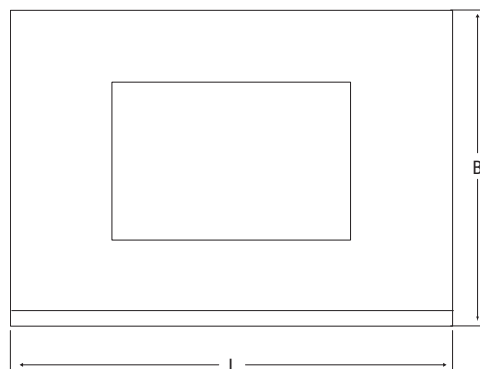**Diffuser** PMMA
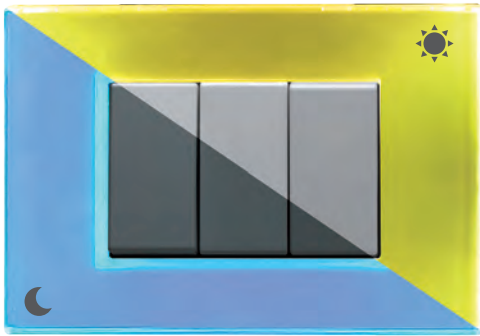**Compliance** EN 60598-1, EN 60598-2-22

PLATE FOR BOX 503

BATTERY FOR EMERGENCY LIGHTING

	Dimensions mm		
	L	B	H
PLATE	126	90	12
BATTERY	45	9	6

NIGHT LIGHT

Light sensor with selectable colour and intensity modes, differentiated for day and night.

COMPATIBILITY WITH THE MOST POPULAR EMERGENCY LUMINARIES FOR WIRING SYSTEMS

BTicino Axolute - BTicino Axolute AIR - BTicino Light - BTicino Living Light - BTicino Living Light AIR - BTicino Living International - Vimar Plana - Vimar Arkè Vimar Eikon - Vimar Eikon EVO - Gewiss Chorus - AVE Sistema 44 - ABB Chiara - ABB Mylos.

The trademarks mentioned in the table are registered trademarks of their respective owners. The luminaire series mentioned, with which the "BRAIN" plates are mechanically compatible, have their own original plates.

	Order Code	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	
TR	81143	BRAIN CLASSIC EM 3F PLATE, WHITE	SA/SE	1	Li-ion 3.7V 0.5Ah				1.5W	0.1	1/12	STANDARD
	81144	BRAIN CLASSIC EM 3F PLATE, BLACK	SA/SE	1	Li-ion 3.7V 0.5Ah				1.5W	0.1	1/12	

ACCESSORIES - included

CLASSIC BATTERY

Order Code **81296E**   **TR**

ADAPTER SERIES
For mounting in all common emergency luminaries for wiring systems

ACCESSORIES - to be ordered separately

SPECIAL ADAPTERS
For BTicino Matix series, Living 1st series, Vimar Idea
Order Code **81236** (white)
Order Code **81237** (black)

Acciaio emergenza

NuBe

⭐ Luminaire characterised by high mechanical and chemical resistance and a luminous flux of up to 1800lm.

💡 Reflector with 4 separate anti-glare cells and micro-prismatic glass screen with high light transmission.

🔧 Easy installation with steel hooks, quick access to the wiring system.

Applications

Industrial, high-risk areas including explosive atmospheres, outdoors

Characteristics

Power supply* 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling, suspended, electrified track
Recharging time 12h with LiFe battery
**Housing** Pre-galvanised sheet steel, powder-coated RAL 7035
Heads Technopolymer PC+PBT
Optics Diffusing, anti-glare aluminium
Screen High-transmission micro-prismatic tempered glass (3mm)
Compliance EN 60598-1, EN 60598-2-22, EN 1838, UNI 11222, ATEX 2014/34/EU (classification: II 3 G Ex nA II B T135, II 3 D Ex tD A22 T85

***** LG230, LG24, HT systems consider the parameters of the control unit used

| IP66 | IK09 | 850° | Batt. LiFe +40°C 0°C | Batt. NiMH +40°C 0°C | Batt. ICE PACK +40°C -40°C | Ex |
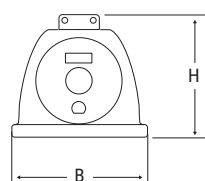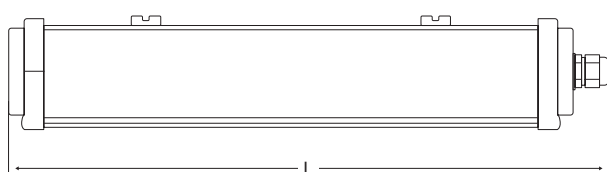
Dimensions mm		
L	B	H
464	108	98.5

Performance according to EN 1838

Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
3	-	10	-	8x8
7	-	15	-	14x14
	Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 15030** 400 lm			Maintenance coefficient 0.8	

EMERGENCY STEEL

- ■ C90-C270
- ■ C0-C180
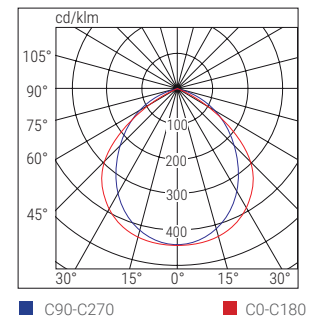
LOW TEMPERATURE INSTALLATION WITH ICE PACK - only for Order Code 15030

Accessory to keep the battery warm even when operating in very low temperatures (down to -40°C). Ice Pack is controlled by an electronic circuit that maintains a constant battery temperature.
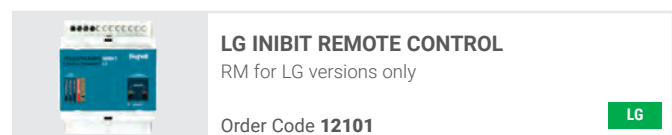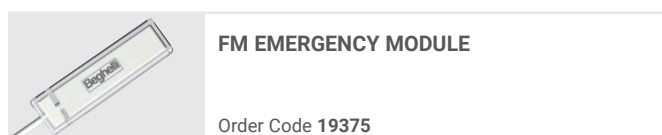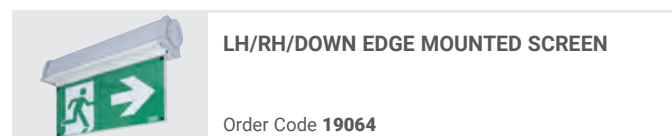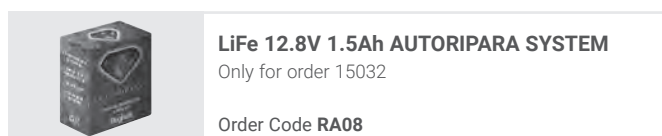
	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	Conform.	
LG	15030	24	ACC EM LED 24 LG SE/SA 123H	SA/SE	1/2/3	NiMh 7.2V 1.2Ah	400/275/200	220		4W	1.6	1	◁	CENTRALTEST
	15032	24	ACC EM LED 24 LG SE GL	SE	0.75/1/2/3/8	LiFe 12.8V 1.5A	1800/1500/800/500/200			4W	1.6	1		
LGFM			**Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 19375**											
LG230	31053	24	STEEL LED SE/SA LGS230 GL	SA/SE				1800	14.8W	19.6VA	1.5	1		CENTRALISED BATTERY
	31054	24	STEEL LED SE/SA LGS230	SA/SE				510	4.7W	9.4VA	1.5	1		
LG24	32055	24	STEEL LED SA LGS24	SA/SE			510	510	4.3W		1.5	1		
	32092	24	STEEL LED SE LGS24 GL	SE			900/1800		8/16W		1.5	1		
HT230	17452	24	STEEL AND LED HT GL	SA/SE				1800	14.2W	17.4VA	1.5	1		

* The indicated battery life doubles with the Autoripara battery, if the luminaire is set to LONG OPERATING TIME

ACCESSORIES - included

SWIVEL BRACKET
2 pieces

Order Code **20122**

ACCESSORIES - to be ordered separately

ICE PACK BATTERY
Only for order 15030

Order Code **19046**

PROTECTIVE GRILLE
Dimensions 685x182x110 mm

Order Code **3905**

LiFe 12.8V 1.5Ah AUTORIPARA SYSTEM
Only for order 15032

Order Code **RA08**

LH/RH/DOWN EDGE MOUNTED SCREEN

Order Code **19064**

FM EMERGENCY MODULE

Order Code **19375**

LG INIBIT REMOTE CONTROL
RM for LG versions only

Order Code **12101**

LG

Lungalargaluce Extreme

NuBe

IP65 | IK09 | 850° | Batt. LiFe +40°C 0°C | Batt. LTO +45°C -20°C | Ex

TITANIUM BATTERY 10 YEARS WARRANTY
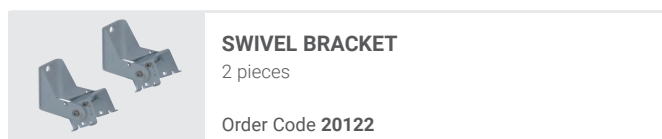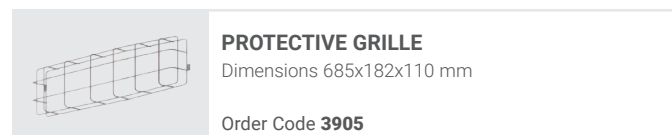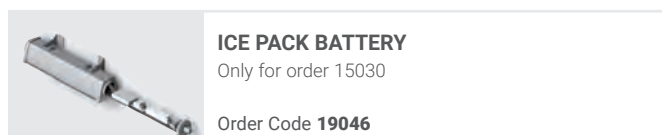
★ Luminous flux up to 3200lm, suitable for high risk environments where Atex compliance is required. Fast-charging Titanium battery, with 10 years of service life and for extreme working temperatures.

A single luminaire for lighting large areas, escape routes and halls from 2m to over 7m high.

Five easily interchangeable lenses supplied.

Ready for through-wiring.

Applications
Industrial, in high-risk environments with dust and explosive substances.

Characteristics
Power supply* 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling, recessed
Recharging time 12h
Housing Die-cast aluminium, RAL 7040
Optics Clear polycarbonate lenses
Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, EN 1838, UNI 11222, ATEX 2014/34/EU (classification: II 3 G Ex nA II B T135, II 3 D Ex tD A22 T85

* LG230, LG24, HT systems consider the parameters of the control unit used
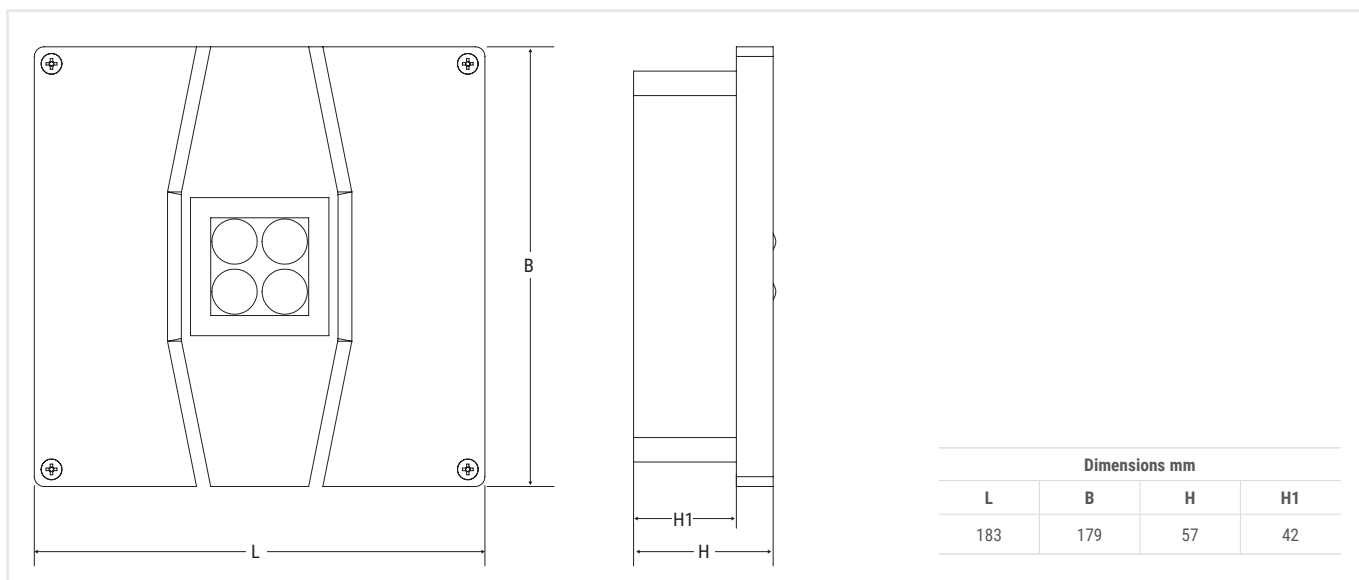
Dimensions mm			
L	B	H	H1
183	179	57	42

Reference standard UNI EN 1838

C0-C180   C90-C270

Lens	Height (m) $\square$	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
Lungaluce 3m	3	-	15	-	-
Lungaluce 7m	7	-	22	-	-
Largaluce 3m	3	-	-	-	12x12
Largaluce 7m	7	-	-	-	13x13
High risk	7	-	-	-	Ø 3m - 30lx
		Lighting >1lx at floor level along the centre line without reflections Emax/Emin <40		Lighting >0.5lx at floor level without reflections Emax/Emin <40	

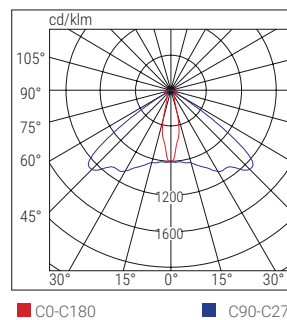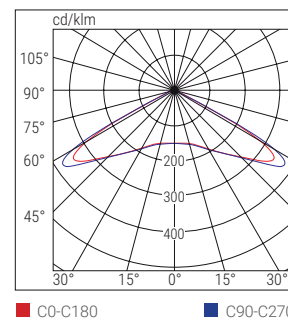Performance with reference to luminaire **Order Code 19379** 1000lm   Maintenance coefficient 0.8

LUNGALUCE 3m 88%

C0-C180   C90-C270

LUNGALUCE 7m 82%

C0-C180   C90-C270

LARGALUCE 3m 92%

C0-C180   C90-C270

LARGALUCE 7m 89%

C0-C180   C90-C270

	Order Code	W eq.	Description	Version	Autonomy h	Battery	Flux* SE lm	Flux* SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	
AT	19378	24GL	LUNGALARGA EXT GL AT SE	SE	1-1.5-3-8	LiFe 12.8V 3Ah	3200/2500/1400/500			6.5W	0.9	1/6	AUTOTEST
AT-OPT	19370	24	LUNGALARGA EXTREME OPT SA/SE	SA/SE	1-1.5-2-3-8	2xLTO 4.8V 1.2Ah	1155/770/575/385/144	575		7.5W	0.9	1/6	CENTRALISED SELF-TESTING
	LG	Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036											
	LGFM	Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037											
	DALI	Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038											
LG230	31112	24	LUNGALARGA EXTREME LGS230 LS-UV					1400	11.2W	24.1VA	0.9	1/6	CENTRALISED BATTERY
LG24	32083	24	LUNGALARGA EXTREME LGS24 LS-UV				1100	1400	7.4W	22.2VA	0.9	1/6	
HT230	31113	24	LUNGALARGA EXTREME HT					1400	10.7W	22.2VA	0.9	1/6	

★ The fluxes shown in the table refer to the luminaire without lens. To identify the actual flux of the product, please consider the yield of the chosen lens in addition to the value shown in the table.

Lungalargaluce Extreme

ACCESSORIES - included

CABLE GLAND M20 STEEL	**LARGALUCE LENS 3m** Fitted as standard
LUNGALUCE LENS 3m	**LARGALUCE LENS 7m**
LUNGALUCE LENS 7m	**HIGH RISK LENS**
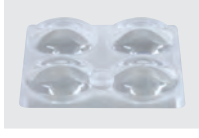
ACCESSORIES - to be ordered separately

SWIVEL BRACKET

Order Code **15043**

PLASTERBOARD BRACKETS

Order Code **15044**

LG - LGFM - DALI MODULE (AT-OPT version only)
LG - Order Code **15036**
LGFM IP65 - Order Code **15047**
DALI - Order Code **15038**

`LG` `LGFM` `DALI`

Stile In SanificaAria

LABORATORY TESTING

Hybrid device with uvOxy® air sanitization. Activation regulation by switch in 3 steps: 8, 12, 24 h/day, at a constant sanitization rate. Recessed device with an autonomy of up to 8 hours.

Applications

Service sector, hospitals, commercial activities, shops, restaurants, offices, schools

Emergency features

Power supply unit 230VAC ±10%, 50÷60Hz
Mounting Wall mounting, ceiling mounting, recessed mounting, false ceiling mounting
Recharging time 12h
Body Polycarbonate, white RAL 9003
Optics PMMA anti-glare diffuser
Screen Clear polycarbonate
Compliance EN60598-1, EN60598-2-2, EN60598-2-22, EN60335-2-65, ISO 15714, 2014/30/EU, 2014/35/EU

Specifications of the Air Sanitizer

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

Input power uvOxy®	10 W
UV-C wavelength	254 nm
Sanitization flow rate	4 m³/h
UV-C power	7 W
UV-C radiation power	2.4 W
Sanitization speed	Single
Timing	8-12-24 h
Cartridge life	12 months

Batt. LiFe

| IP20 | IK05 | 850° | | +40°C 0° C | 8-12-24h | |
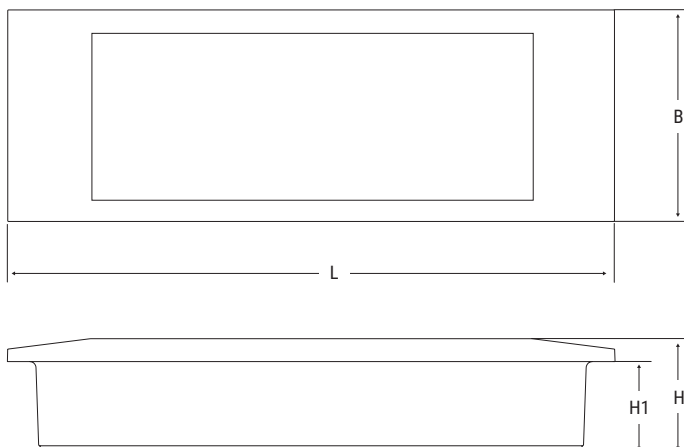
EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m³	Surface area m²	Initial sanitization time h
11	4	2.5
21	8	5
33	12.5	8
44	16.5	11
67	25	17

Dimensions mm				Distance of visibility (DV)	
L	B	H	H1	screen	edge mounting
295	102	55	44	15m	20m

Performance according to EN 1838 and initial sanitisation time

STANDARD UNI EN 1838	Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
	2.5	5	-	3x3	-
	3	-	7	-	5x5
		>1lx without reflections Emax/Emin <40		>0.5lx along the centre line without reflections Emax/Emin <40	

	Flow rate up to **4 m³/h**	Initial sanitisation time **5h**	Initial sanitisation time **6h**

Performance based on the 1499LUV 120lm wall-mounted model

cd/klm
C90-C270 C0-C180

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Sanitisation flow rate m³/h			Input power W		Weight Kg	Packaging Single/ Multi pack	
									1	2	3	🏃	🌙			
TR	**1499LUV**	8	STILE IN LED SE TR UVOXY	SE	8	LiFe 3.2V 1.5Ah	120	-	4	-	-	2.1	10	0.7	1/12	STANDARD
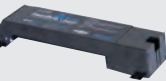
ACCESSORIES - included

RECESSED BOX

Order Code **3733**

ACCESSORIES AND SPARE PARTS - to be ordered separately

SPARE PART
uvOxy® STILE IN PURIFICATION CARTRIDGE
Duration 12 months, at a continuous use 24h/day
Order Code **26724**

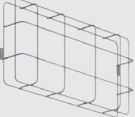**FALSE CEILING BRACKETS**
Recessed mounting hole: 279x94 mm

Order Code **4266**

LH/RH/DOWN SCREENS
Screen printing on opal polycarbonate

Order Code **4269**

PROTECTIVE GRILLE
Dimensions: 440x215x99 mm

Order Code **3912**

LH/RH/DOWN STICKERS

Order Code **4278**

069 SanificaAria

Pratica SanificaAria

LABORATORY
TESTING

| IP20 | IK08 | 850° | ▣ | Batt. LiFe +40°C 0°C | 8-12-24h | 1 |

Hybrid device with uvOxy® air sanitization.
Activation regulation by switch in 3 steps:
8, 12, 24 h/day, at a constant sanitization
rate. Highly robust body with LiFe battery.
Presence of the test button.

Applications
Industry, service sector

Emergency features
Power supply unit 230VAC ± 10%,
50÷60Hz
Mounting Wall mounting, ceiling
mounting, suspended mounting, edge
mounting, electrified track mounting
Recharging time 12h
Body ABS, white RAL 9003
Optics PMMA anti-glare diffuser
Screen Clear polycarbonate
Conformity EN60598-1; EN60598-2-22,
EN60335-2-65, ISO 15714, 2014/30/EU,
2014/35/EU

Specifications of the Air Sanitizer
Power supply unit 230VAC ±10%, 50÷60Hz

Input power uvOxy®	10 W
UV-C wavelength	254 nm
Sanitization flow rate	5 m³/h
UV-C power	7 W
UV-C radiation power	2.5 W
Sanitization speed	Single
Timing	8-12-24 h
Cartridge life	12 months
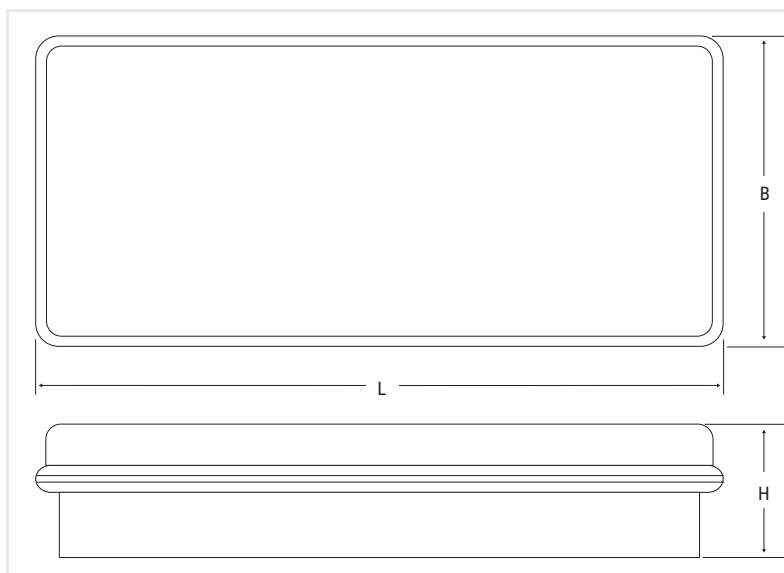
EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m³	Surface area m²	Initial sanitization time h
11	4	2
27	10	5
54	20	10
81	30	16
108	40	21

| Dimensions mm			Distance of visibility (DV)
L	B	H	
300	138	55	25 m

Performance according to EN 1838 and initial sanitisation time

STANDARD UNI EN 1838	Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
	2.5	8	-	4x6	-
	3	-	9	-	6x7
		>1lx without reflections Emax/Emin <40		>0.5lx along the centre line without reflections Emax/Emin <40	

Flow rate up to **5 m³/h**	Initial sanitisation time **6h**	Initial sanitisation time **12h**
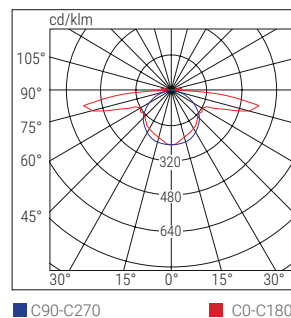
Performance based on the 250SEUV 250lm wall-mounted model

PRATICA Sanifica Aria

cd/klm

■ C90-C270   ■ C0-C180

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Sanitisation flow rate m³/h			Input power W		Weight Kg	Packaging Single/ Multi pack	
									1	2	3	🏃	☀			
TR	250SEUV	18	PRATICA 300LM 1.5/3h SE TR UVOXY	SE	1.5/3	LiFe 3.2V 1.5Ah	300/160	-	5	-	-	4	10	0.8	1/12	STANDARD
	250SAUV	18	PRATICA 300LM 1.5/3h SA TR UVOXY	SA/SE	1.5/3	LiFe 3.2V 1.5Ah	300/160	200	5	-	-	4	10	0.8	1/12	
	500SEUV	24	PRATICA 500LM 1.5/3h SE TR UVOXY	SE	1.5/3	LiFe 3.2V 3Ah	500/250	-	5	-	-	4	10	0.9	1/12	
	500SAUV	24	PRATICA 500LM 1.5/3h SA TR UVOXY	SA/SE	1.5/3	LiFe 3.2V 3Ah	500/250	200	5	-	-	4	10	0.9	1/12	
AT	250ATSEUV	18	PRATICA 300LM 1.5/3h SE AT UVOXY	SE	1.5/3	LiFe 3.2V 1.5Ah	300/160	-	5	-	-	4	10	0.8	1/12	AUTOTEST
	250ATSAUV	18	PRATICA 300LM 1.5/3h SA AT UVOXY	SA/SE	1.5/3	LiFe 3.2V 1.5Ah	300/160	200	5	-	-	4	10	0.8	1/12	
	500ATSEUV	24	PRATICA 500LM 1.5/3h SE AT UVOXY	SE	1.5/3	LiFe 3.2V 3Ah	500/250	-	5	-	-	4	10	0.9	1/12	
	500ATSAUV	24	PRATICA 500LM 1.5/3h SA AT UVOXY	SA/SE	1.5/3	LiFe 3.2V 3Ah	500/250	200	5	-	-	4	10	0.9	1/12	

ACCESSORIES - included

CONDUIT ADAPTER 16/20 mm WHITE
Mounting with a Ø16 or Ø20 mm conduit

ACCESSORIES AND SPARE PARTS - to be ordered separately

SPARE PART
PURIFICATION CARTRIDGE uvOxy®
Duration 12 months, at a continuous use 24h/day
Order Code **26723**

LH/RH/DOWN/UP STICKERS
SA versions only

Order Code **4117**

SCREENS
Order Code **4124** (LH/RH)
Order Code **4125** (DOWN)
Order Code **4126** (UP)

SUSPENDED MOUNTING HOOKS

Order Code **3723**

Formula 65 SanificaAria

LABORATORY TESTING

Hybrid device with uvOxy® air sanitization. Activation adjustable in 3 steps: 8, 12, 24 h/day and at 3 sanitizing speeds. **Parameter adjustment from APP B.connect.** Adjustable autonomy in AT version. High luminous flux of up to 1200lm.

Applications

Industry, service sector, hospitals, commercial activities, shops, restaurants, offices, schools

Emergency features

Power supply unit* 230VAC±10%, 50÷60Hz
Mounting Wall mounting, ceiling mounting
Recharging time 12h
Body ABS, white RAL 9003
Optics Symmetrical, white
Screen Clear polycarbonate
Compliance EN60598-1, EN60598-2-22, EN60335-2-65, ISO 15714, 2014/30/EU, 2014/35/EU

Specifications of the Air Sanitizer

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

Input power uvOxy®	10 W
UV-C wavelength	254 nm
Sanitization flow rate	8 m³/h
UV-C power	7 W
UV-C radiation power	2.4 W
Sanitization speed	1-2-3 steps
Timing	8-12-24h
Cartridge life	12 months

IP20	IK07	850°	□	Batt. LTO +45°C -20°C	🕐 8-12-24h	1	2	3

L ← → B, H

EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m³	Surface area m²	Initial sanitization time h
22	8	2.5
43	16	5
86	32	10
135	50	17
202	75	25

Dimensions mm			Distance of visibility (DV)	
L	B	H	Wall	Edge mounting
354	152	63.4	25 m	28 m

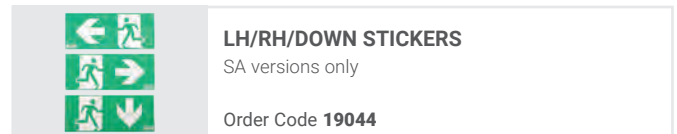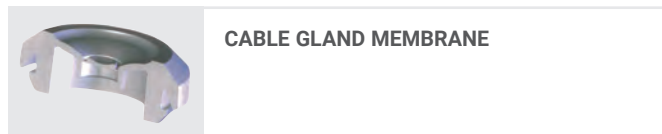# Performance according to EN 1838 and initial sanitisation time

FORMULA65 SanificaAria

Angoli Gamma

C90-C270   C0-C180

STANDARD UNI EN 1838	Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
	2.5	11	-	8x12	-
	3	-	18	-	10x16
		>1lx without reflections Emax/Emin <40		>0.5lx along the centre line without reflections Emax/Emin <40	

Flow rate up to **8 m³/h**	Initial sanitisation time **5h**	Initial sanitisation time **30h**
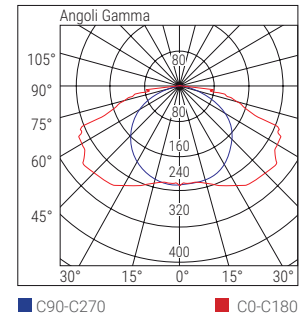
Performance based on the 19430UV 1100lm wall-mounted model - Sanitisation flow rate 3

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Sanitisation flow rate m³/h 1	2	3	Input power W		Weight Kg	Packaging Single/ Multi pack	
TR	**19430UV**	36	F65 LED LTO SE UVOXY	SE	1.5	2x LTO 4.8V 1.2Ah	1100	-	2.5	5	8	2	10	1.1	1/6	STD.
	19431UV	36	F65 LED LTO SA UVOXY	SA/SE	1.5	2x LTO 4.8V 1.2Ah	1100	350	2.5	5	8	5	10	1.1	1/6	
AT	**19432UV**	36	F65 LED LTO AT SE UVOXY	SE	1/3	2x LTO 4.8V 1.2Ah	1200/450	-	2.5	5	8	2	10	1.1	1/6	AUTOTEST
	19433UV	36	F65 LED LTO AT SA UVOXY	SA/SE	1/3	2x LTO 4.8V 1.2Ah	1200/450	350	2.5	5	8	5	10	1.1	1/6	

ACCESSORIES - included
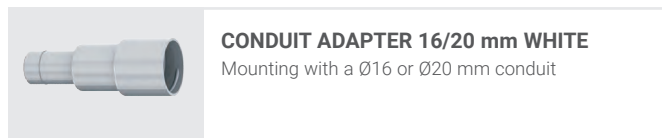
CABLE GLAND MEMBRANE

LH/RH/DOWN STICKERS
SA versions only

Order Code **19044**

CONDUIT ADAPTER 16/20 mm WHITE
Mounting with a Ø16 or Ø20 mm conduit

ACCESSORIES AND SPARE PARTS - to be ordered separately

**SPARE PART
PURIFICATION CARTRIDGE uvOxy®**
Duration 12 months, at a continuous use 24h/day
Order Code **26723**

LH/RH EDGE MOUNTED SCREEN
Screen printing on clear polycarbonate

Order Code **19042**

EDGE MOUNTING WALL BRACKET

Order Code **19045**

DOWN EDGE MOUNTED SCREEN
Screen printing on clear polycarbonate

Order Code **19043**

Infinita SanificaAria

NuBe B.

LABORATORY TESTING
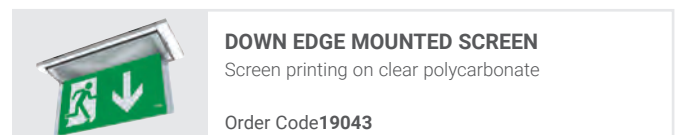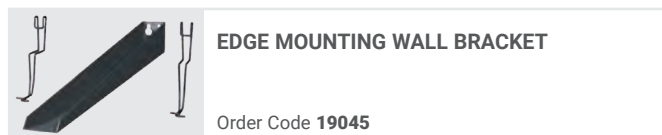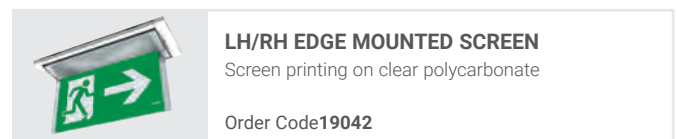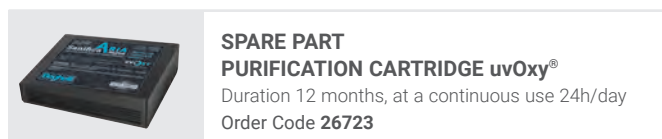
| IP20 | IK08 | ⋀850° | ▢ | 🌡 +45°C -20°C | Batt. LTO 🕐 8-12-24h | 1 | 2 | 3 |

Hybrid device with uvOxy® air sanitization. Activation adjustable in 3 steps: 8, 12, 24 h/day and at 3 sanitizing speeds. Parameter adjustment from B.connect APP and NuBe. Luminous flux up to 1000lm, infinite autonomy, with Infinity mode and Titanium battery.

Applications

Industry, service sector, hospitals, commercial activities, shops, restaurants, offices, schools

Emergency features

Power supply unit* 230VAC ± 10%, 50÷60Hz
Mounting Wall mounting, ceiling mounting, wall/ceiling edge mounting, suspended mounting
Recharging time 12h
Body ABS white RAL 9003
Optics Total Internal Reflection
Screen Clear polycarbonate
Compliance EN60598-1, EN60598-2-2, EN60598-2-22, EN60335-2-65, ISO 15714, 2014/53/EU

Specifications of the Air Sanitizer

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

Input power uvOxy®	10 W
UV-C wavelength	254 nm
Sanitization flow rate	8 m³/h
UV-C power	7 W
UV-C radiation power	2.4 W
Sanitization speed	1-2-3 steps
Timing	8-12-24 h
Cartridge life	12 months

EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m³	Surface area m²	Initial sanitization time h
22	8	2.5
43	16	5
86	32	10
135	50	17
202	75	25

Dimensions mm			Distance of visibility (DV)
L	B	H	
325	130	45	25 m

Performance according to EN 1838 and initial sanitisation time

STANDARD UNI EN 1838	Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
	2.5	8	-	6x8	-
	3	-	10	-	9x10
		>1lx without reflections Emax/Emin <40		>0.5lx along the centre line without reflections Emax/Emin <40	

cd/klm

■ C90-C270   ■ C0-C180
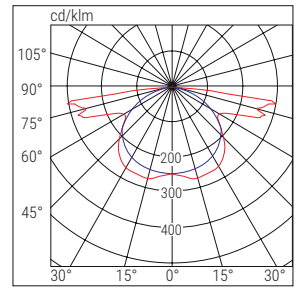
	Flow rate up to **8 m³/h**	Initial sanitisation time **4h**	Initial sanitisation time **15h**

Performance based on the 19451UV 500lm wall-mounted model - Sanitisation flow rate 3

	Order Code	W eq.	Description	Vers.	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Sanitisation flow rate m³/h 1	2	3	Input power W 🏃	🌙	Weight Kg	Packaging Single/ Multi pack
AT-CBL	**19450UV**	11	INFINITA RTI SE CBL LTO L UVOXY	SE	1/1.5/ 2/3/8	LTO 4.8V 1.2Ah	250/170/130/90/40	-	2.5	5	8	1	10	0.9	1/6
	19451UV	24	INFINITA RTI SE CBL LTO XL UVOXY	SE	1/1.5/2/3/8	LTO 4.8V 1.2Ah	500/340/260/180/70	-	2.5	5	8	2.6	10	0.9	1/6
	19452UV	11	INFINITA RTI SA CBL LTO L UVOXY	SA/SE	1/1.5/2/3/8	LTO 4.8V 1.2Ah	250/170/130/90/40	90	2.5	5	8	1.8	10	0.9	1/6
	19453UV	24	INFINITA RTI SA CBL LTO XL UVOXY	SA/SE	1/1.5/2/3/8	LTO 4.8V 1.2Ah	500/340/260/180/70	250	2.5	5	8	4.8	10	0.9	1/6
	19460UV	24GL	INFINITA GL RTI SA/SE CBL LTO UVOXY	SA/SE	1/1.5/2/3/8	2x LTO 4.8V 1.2Ah	1000/680/525/370/145	250	2.5	5	8	1.8	10	0.9	1/6

CENTRALISED SELF-TESTING

LG	Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036
LGFM	Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037
DALI	Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038

ACCESSORIES - included

CABLE GLAND MEMBRANE

LH/RH/DOWN/UP STICKERS
(included for SA versions only)

Order Code **4682**

CONDUIT ADAPTER 16/20 mm WHITE
Mounting with a Ø16 or Ø20 mm conduit

ACCESSORIES AND SPARE PARTS - to be ordered separately

SPARE PART PURIFICATION CARTRIDGE uvOxy®
Duration 12 months, at a continuous use 24h/day
Order Code **26723**

45° BRACKET

Order Code **4685**

EDGE MOUNTED SCREEN

Order Code **4681**

SUSPENDED MOUNTING RODS
250 - 500 - 1000 mm
Order Code **4315** (250 mm) - **4316** (500 mm)
4317 (1000 mm)

EDGE MOUNTING FIXING BRACKET

Order Code **4686**

LG - LGFM - DALI MODULE
LG - Order Code **15036**
LGFM - Order Code **15037**
DALI - Order Code **15038**

LG
LGFM
DALI

SUSPENDED MOUNTING HOOKS

Order Code **3723**

CABLECOM CONNECT CBL CONTROL UNIT

Order Code **20151**

AT-CBL

Nu.da

IP42	IK07	850°

Batt. LiFe +40°C 0°C
Batt. LTO +45°C -20°C

TITANIUM BATTERY **10 YEARS** WARRANTY

archieco : clean and elegant design lines with surfaces that can be painted together with the wall.

Small size compared to high luminous flux.

Monolithic screen made of shaped methacrylate, designed specifically to optimise light diffusion and to accommodate the pictogram, where required, with an excellent level of light uniformity.

Applications

Services and residential, even in design situations where special care is required to reduce the aesthetic impact of emergency lighting.

Characteristics

Power supply 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling
Recharging time 12h
Housing Polycarbonate, white RAL 9003
Optics PMMA
Compliance EN 60598-1, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

**SURFACE TREATMENT WHICH ALLOWS IT TO BE PAINTED EVEN WITH COMMON WALL PAINTS**

Dimensions mm			Distance of visibility (DV)
L	B	H	
213	83	20	16m

Performance according to EN 1838

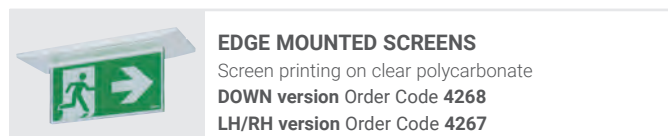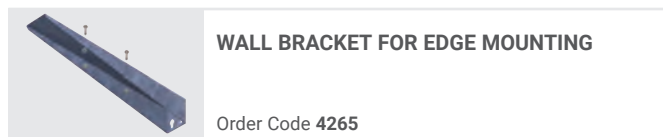| Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	7	-	5x6	-
3	-	10	-	7x7
	Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 19601** 250 lm			Maintenance coefficient 0.8	

NU.DA

■ C0-C180   ■ C90-C270

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/Multi pack	
TR	19600		NU.DA SE 1/2H LiFe	SE	1/2	LiFe 3.2V 0.5Ah	150/100			1W	0.2	1/12	**STANDARD**
	19601		NU.DA SE 1.5/3H LiFe	SE	1.5/3	LiFe 3.2V 1.5Ah	250/130			1.3W	0.25	1/12	
	19602		NU.DA SE/SA 1/2H LiFe	SA/SE	1/2	LiFe 3.2V 0.5Ah	150/100	100		1.6W	0.2	1/12	
	19603		NU.DA SE/SA 1.5/3H LiFe	SA/SE	1.5/3	LiFe 3.2V 1.5Ah	250/130	170		2.5W	0.25	1/12	
AT-CBL	19620	11-24	NU.DA 1124W AT CBL SE 8LTO	SE	1/1.5/2/3/8	LTO 4.8V 0.5Ah	250/170/130/85/35			1.7W	0.2	1/12	**CENTRALISED SELF-TESTING**
	19621	24-36	NU.DA 2436W AT CBL SE 8LTO	SE	1/1.5/2/3/8	LTO 4.8V 1Ah	450/305/230/155/65			1.7W	0.25	1/12	
	19622	11-24	NU.DA 1124W AT CBL SE/SA 8LTO	SA/SE	1/1.5/2/3/8	LTO 4.8V 0.5Ah	250/170/130/85/35	170		3W	0.2	1/12	
	19623	24-36	NU.DA 2436W AT CBL SE/SA 8LTO	SA/SE	1/1.5/2/3/8	LTO 4.8V 1Ah	450/305/230/155/65	170		3W	0.25	1/12	
	LG	Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036											
	LGFM	Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037											
	DALI	Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038											

ACCESSORIES - to be ordered separately

LG - LGFM - DALI MODULE
LG - Order Code **15036**
LGFM - Order Code **15037**
DALI - Order Code **15038**

LG
LGFM
DALI
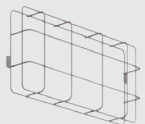
LH/RH/DOWN/UP STICKERS

Order Code **4329**

THREE-PHASE TRACK KIT

Order Code **4319**

PROTECTIVE GRILLE
Dimensions: 305x110x100 mm

Order Code **3903**

Design

| IP40 | IK05 | △850° | ▣ | Batt. NiMH △ +40°C 0°C | 🖌 |

archieco : clean and elegant design lines with surfaces that can be painted together with the wall, made of recyclable and partly compostable materials.

Suitable for both ceiling and wall mounting.

The optical scheme is realised by a double reflection system to obtain an intense and diffusing beam with a soft effect.

Applications

Services and residential, even in design situations where special care is required to reduce the aesthetic impact of emergency lighting.

Characteristics

Power supply 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling, recessed, edge mounting
Housing PHA white RAL 9003
Optics Symmetrical, white
Screen Clear polycarbonate
Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

SURFACE TREATMENT WHICH ALLOWS IT TO BE PAINTED EVEN WITH COMMON WALL PAINTS

Dimensions mm			Distance of visibility (DV)	
L	B	H	Wall	Edge mounting
292	102	34.6	15m	20m

Performance according to EN 1838

Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
	Wall	Ceiling	Wall	Ceiling
2.5	6	-	3x5	-
3	-	11	-	6x6
	Lighting **>1lx** at floor level along the centre line without reflections Emax/Emin <40		Lighting **>0.5lx** at floor level without reflections Emax/Emin <40	
Performance with reference to luminaire **Order Code 4293A** 225 lm			Maintenance coefficient 0.8	

DESIGN
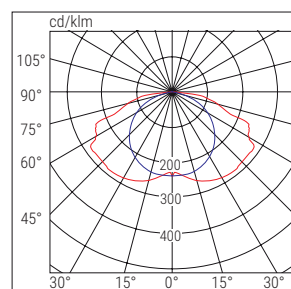
cd/klm

■ C0-C180   ■ C90-C270

	Order Code	W eq.	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power		Weight Kg	Packaging Single/Multi pack	
									DC	AC			
TR	**4290A**	8	DESIGN AE 8W SE 1H IP40	SE	1	NiMH 3.6V 1.2Ah	120	-		1W	0.4	1/12	**STANDARD**
	4291A	11	DESIGN AE 11W SE 1H IP40	SE	1	NiMH 3.6V 1.2Ah	140	-		1W	0.4	1/12	
	4292A	11	DESIGN AE 11W SE/SA 1H IP40	SA/SE	1	NiMH 3.6V 1.2Ah	140	90		2.5W	0.4	1/12	
	4293A	24	DESIGN AE 24W SE 1H IP40	SE	1	2 x NiMH 3.6V 1.2Ah	225	-		1W	0.4	1/12	
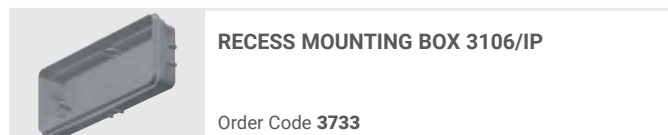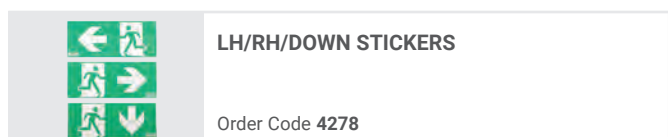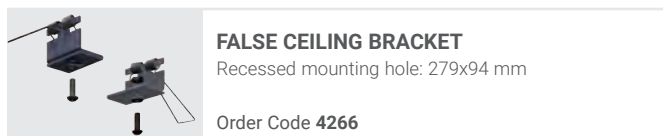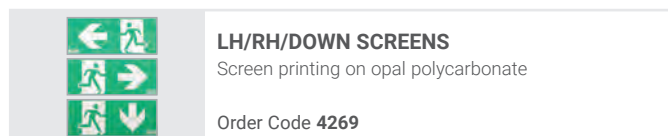
ACCESSORIES - included

RECESS MOUNTING BOX 3106/IP

Order Code **3733**

ACCESSORIES - to be ordered separately

LH/RH/DOWN SCREENS
Screen printing on opal polycarbonate

Order Code **4269**

FALSE CEILING BRACKET
Recessed mounting hole: 279x94 mm

Order Code **4266**

LH/RH/DOWN STICKERS

Order Code **4278**

WALL BRACKET FOR EDGE MOUNTING

Order Code **4265**

EDGE MOUNTED SCREENS
Screen printing on clear polycarbonate
DOWN version Order Code **4268**
LH/RH version Order Code **4267**

Dot

NuBe

A archi**eco** : clean and elegant design lines with surfaces that can be painted together with the wall, made of recyclable and partly compostable materials.

☆ Small dimensions with a luminous flux of up to 1000lm. Possibility to integrate laser signage with an Orma IP65 module.

By rotating the lens, the luminaire is suitable for both large areas (225m^2) and escape routes up to 23m.

Double optical scheme made up of two pairs of lenses rotating on the axis and alternatively matching two high-efficiency LEDs.

Applications

Services, offices, cinemas, hotels, museums, schools, shops, shopping centres, design rooms

Characteristics

Power supply 230VAC ± 10%, 50÷60Hz
Mounting Recessed
Recharging time 12h
Housing PHA white RAL 9003
Optics PMMA
Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

| IP65 | IK07 | ⋀850° | Batt. LiFe +40°C 0°C | Batt. LTO +45°C -20°C | 🪣 |

TITANIUM BATTERY **10 YEARS** WARRANTY

SURFACE TREATMENT WHICH ALLOWS IT TO BE PAINTED EVEN WITH COMMON WALL PAINTS
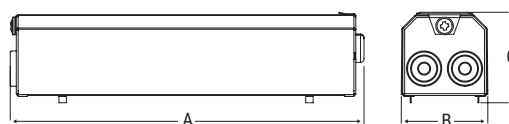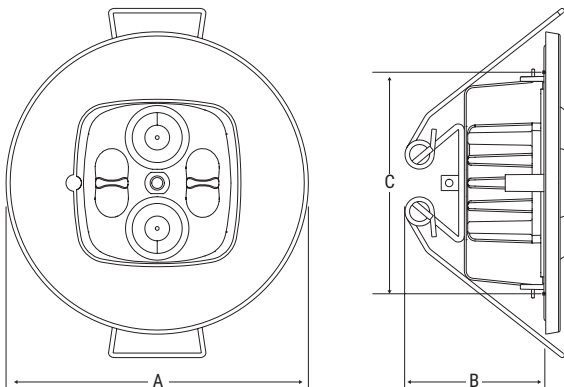
	Dimensions mm		
	A	**B**	**C**
Luminaire	Ø 80	38	Ø 59
Inverter versions **TR-AT**	191	47	49
Inverter version **LG**	254	47	52

Performance according to EN 1838

Lens	Height (m)	Centre distance (m) ESCAPE ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
Lungaluce	3	-	30	-	-
Largaluce	3	-	-	-	14x16
		Lighting >1lx at floor level along the centre line without reflections Emax/Emin <40		Lighting >0.5lx at floor level without reflections Emax/Emin <40	

Performance with reference to luminaire **Order Code 19712** 1000lm   Maintenance coefficient 0.8
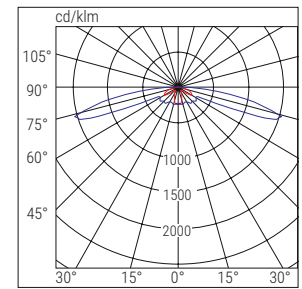
ORMA LASER MODULE

Laser micro-projector that emits a bright and prominent arrow-shaped asymmetrical conical beam, producing a virtual pictogram to indicate the nearest escape route. To position the image on the ground at the most suitable point and with the correct signal orientation, simply rotate the body of the device.

MODULO **ORMA**

LUNGALUCE 80%

■ C90-C270   ■ C0-C180
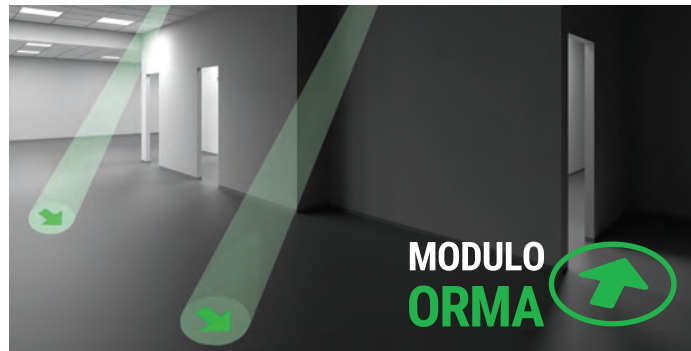
LARGALUCE 91%

■ C0-C180   ■ C90-C270

	Order Code	W	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack	
TR	19700		DOT SE/SA 1/2/3H IP65 RM	SA/SE	1/2/3	LiFe 3.2V 1.5Ah	550/300/200	240		3W	0.4	1/6	STANDARD
AT - OPT	19711		DOT AT OPT SE/SA 8LTO IP65	SA/SE	1/1.5/2/3/8	2xLTO 7.2V 0.5AH	550/380/300/200/100	240		5W	0.5	1/6	CENTRALISED SELF-TESTING
	LG		Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036										
	LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037										
	DALI		Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038										
LG	19712		DOT GL AT LG SE LIFE IP65	SE	1/2/3	LiFe 12.8V 1.5Ah	1000/550/400	240		4.3W	0.4	1/6	CENTRALTEST
	LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 19375										
LG230	17880		DOT LGS230 IP65					550	4.7W	9.4VA	0.4	1/6	CENTRALISED BATTERY
LG24	17881		DOT LGS24 IP65					550	4.1W		0.4	1/6	
HT230	17882		DOT HT IP65					550	4.6W	9.1VA	0.4	1/6	

ACCESSORIES - to be ordered separately

ORMA LASER MODULE
Only for Order Code 19700 and 19711

Order Code **19883**

LG - LGFM - DALI MODULE (AT-OPT version only)
LGFM - Order Code **15037 - 19375**
LG - Order Code **15036**
DALI - Order Code **15038**   LG LGFM DALI

LG INIBIT REMOTE CONTROL
RM for LG versions only

Order Code **12101**   LG

RM INIBIT REMOTE CONTROL
RM for TR versions only

Order Code **2730**   RM

Zero

NuBe

IP40	IK05	△850°	Batt. LTO 🌡 +45°C -20°C	🖌

TITANIUM BATTERY 10 YEARS WARRANTY

A archieco : clean and elegant design lines with surfaces that can be painted together with the wall, made of recyclable materials.

☆ Revolutionary design with unprecedented aesthetic features.

Emergency luminaire but also safety signage, both single-sided and edge mounted, but also multiple installation solutions.

Three optical solutions to meet any requirement:
Mirror Silver symmetrical
Mirror Silver asymmetrical
Mirror Silver diffusing

Applications
Residential, services, offices, shops, design showrooms

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

Mounting Wall, ceiling

Recharging time 12h

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

Optics Aluminium reflector and PMMA diffuser

Compliance EN 60598-1, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034
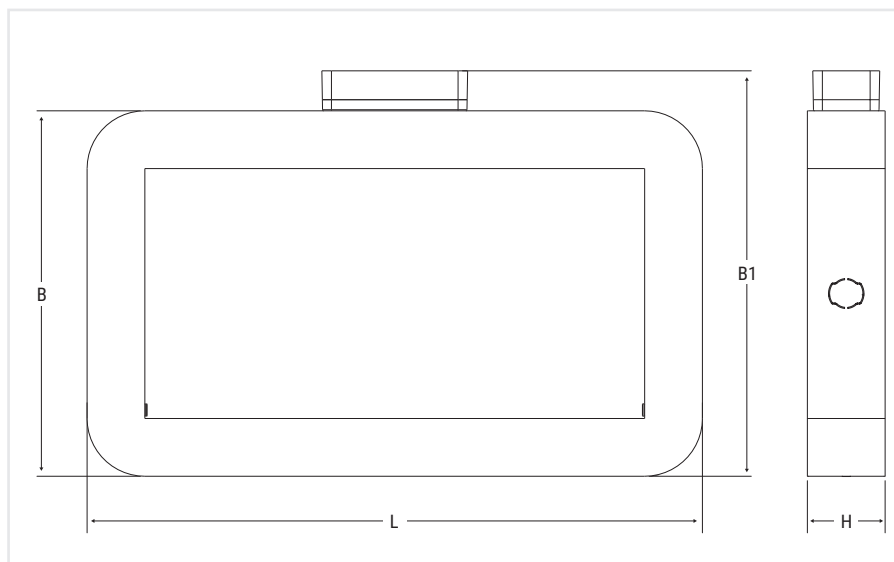
SURFACE TREATMENT WHICH ALLOWS IT TO BE PAINTED EVEN WITH COMMON WALL PAINTS

Dimensions mm			
L	B	B1	H
277	164.5	182.5	35

	Order Code	W	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/Multi pack	
TR	18200		ZERO SE/SA TR RM	SA/SE	1/2/3	LiFe 3.2V 1.5Ah	1000	450		3W			STANDARD
AT - OPT	18201		ZERO SE/SA OPT	SA/SE	1/1.5/2/3/8	2xLTO 7.2V 0.5AH	1000	450		5W			CENTRALISED SELF-TESTING
	LG		Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036										
	LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037										
	DALI		Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038										
LG230	17902		ZERO LGS230 LS-UV					450	4.1W	8.3VA			CENTRALISED BATTERY
LG24	17903		ZERO LGS24 LS-UV				450	450	3.7W				
HT230	17904		ZERO HT					450	4.7W	9.5VA			

ONE LUMINAIRE, 4 INSTALLATION SOLUTIONS
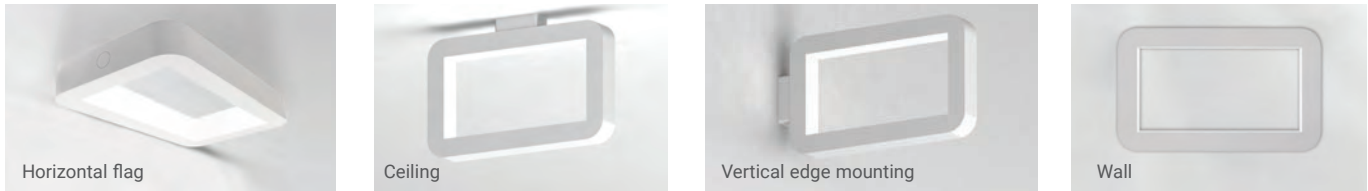
Horizontal flag

Ceiling

Vertical edge mounting

Wall

ACCESSORIES - to be ordered separately

LG - LGFM - DALI MODULE (AT-OPT version only)
LG - Order Code **15036**
LGFM - Order Code **15037**
DALI - Order Code **15038**   LG LGFM DALI

RM INIBIT REMOTE CONTROL
RM for TR versions only

Order Code **2730**   RM

Design Flag

NuBe

			Batt. LiFe	Batt. LTO	
IP40	IK05	850°	+40°C 0°C	+45°C -20°C	

10 YEARS WARRANTY — TITANIUM BATTERY

A archi**eco** : clean and elegant design lines with surfaces that can be painted together with the wall, made of recyclable materials.

☆ Simple, minimalist design for a highly versatile luminaire.

Light diffusion through a sheet of transparent methacrylate that allows great uniformity of illumination of the pictogram.

One luminaire for all types of mounting, edge mounted on wall, edge mounted on ceiling and single-sided.

Applications

Services, offices, cinemas, hotels, shopping centres, museums, shops, design showrooms

Characteristics

Power supply 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling
Recharging time 12h
Housing Extruded aluminium white RAL 9003
Diffuser Transparent polycarbonate
Compliance EN 60598-1, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

SURFACE TREATMENT WHICH ALLOWS IT TO BE PAINTED EVEN WITH COMMON WALL PAINTS
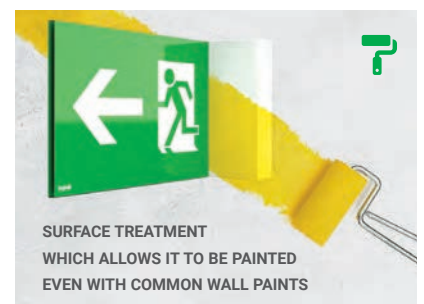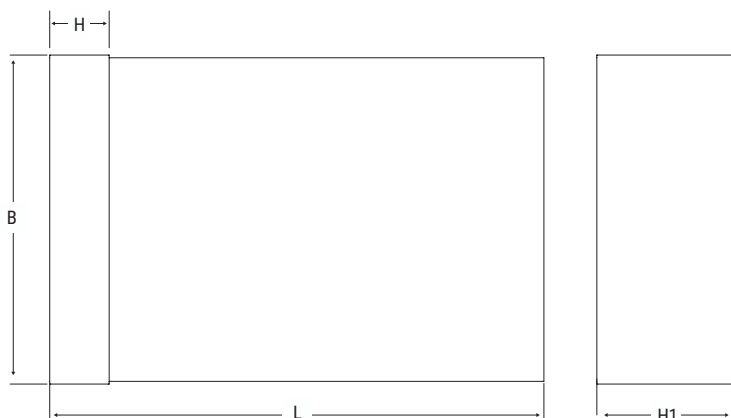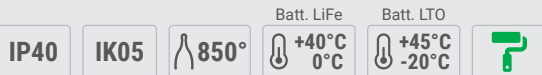
Dimensions mm				Distance of visibility (DV)
L	B	H	H1	
274	183	33	78	36m

	Order Code	W	Description	Version	Autonomy h	Battery	Distance of visibility DV	Input power DC	Input power AC	Weight Kg	Packaging Single/Multi pack	
TR	18400		DESIGN FLAG SE/SA TR RM	SA/SE	1/2/3	LiFe 3.2V 1.5Ah	36m		3W			STANDARD
AT - OPT	18401		DESIGN FLAG SE/SA OPT	SA/SE	1/1.5/2/3/8	2x LTO 7.2V 0.5AH	36m					CENTRALISED SELF-TESTING
	LG		Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036									
	LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037									
	DALI		Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038									
LG230	17908		DESIGN FLAG LGS230				36m	2.6W	6.1VA			CENTRALISED BATTERY
LG24	17909		DESIGN FLAG LGS24				36m	2.5W				
HT230	17910		DESIGN FLAG HT				36m	3.1W	6.6VA			

ACCESSORIES - to be ordered separately

LG - LGFM - DALI MODULE (AT-OPT version only)
LG - Order Code **15036**
LGFM - Order Code **15037**
DALI - Order Code **15038**   LG LGFM DALI

RM INIBIT REMOTE CONTROL
RM for TR versions only

Order Code **2730**   RM

Ironflag

NuBe

| IP40 | IK05 | △850° | Batt. LiFe 🌡 +40°C 0°C | Batt. LTO 🌡 +45°C -20°C |

★ TITANIUM BATTERY ★ **10 YEARS** ★ WARRANTY ★

☆ Designed for durability with an aluminium housing and a PMMA screen.

⤢ Signage suitable for any situation. It can be edge mounted, single-sided or suspended. Available in many versions, both for self-contained and centralised battery systems. Special accessories for overhead door lighting and laser signage with Modulo Orma.

🔧 Easily detachable housing with ample space inside for quick wiring to the network or to various centralised systems available.

Applications
Services, hotels, hospitals, schools, offices, commercial activities

Characteristics
Power supply 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling, recessed, suspended and above door
Recharging time 12h
Housing Unpainted aluminium
Screen Clear polycarbonate
Compliance EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

WALL/CEILING VERSION

SUSPENDED VERSION

100-1800
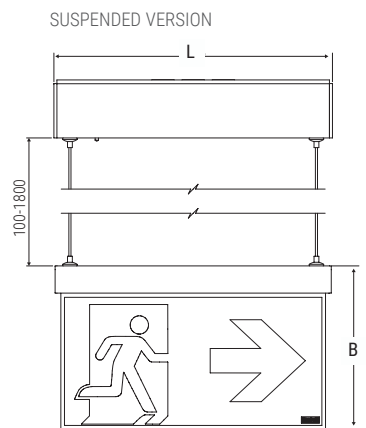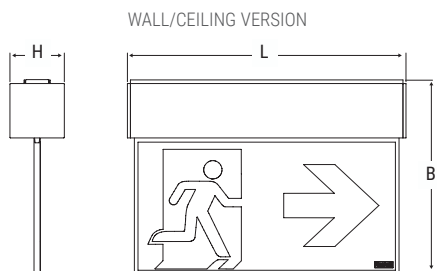
Version	Dimensions mm			Distance of visibility (DV)
	L	B	H	
Standard	230	160	45	20m
	330	210	45	30m
Suspended	230	135	45	20m
	330	185	45	30m

	Version	Order Code	Description	Autonomy h	Battery	Distance of visibility DV	Input power DC	Input power AC	Weight Kg	Packaging Single/Multi pack	
TR	Wall/ceiling	19800	IRONFLAG 20M SA RM	1/2/3	LiFe 3.2V 1.5Ah	20m		3W	0.5		STANDARD
	Wall/ceiling	19801	IRONFLAG 30M SA RM	1/2/3	LiFe 3.2V 1.5Ah	30m		3W	0.8		
	Suspended	19802	IRONFLAG PEND 20M SA RM	1/2/3	LiFe 3.2V 1.5Ah	20m		3W	0.6		
	Suspended	19803	IRONFLAG PEND 30M SA RM	1/2/3	LiFe 3.2V 1.5Ah	30m		3W	1		
AT - OPT	Wall/ceiling	19810	IRONFLAG AT OPT 20M SA 8LTO	1/1.5/2/3/8	LTO 7.2V 0.5AH	20m		5W	0.5		CENTRALISED SELF-TESTING
	Wall/ceiling	19811	IRONFLAG AT OPT 30M SA 8LTO	1/1.5/2/3/8	2xLTO 7.2V 0.5AH	30m		5W	0.9		
	Suspended	19812	IRONFL PEND AT OPT 20M SA 8LTO	1/1.5/2/3/8	LTO 7.2V 0.5AH	20m		5W	0.6		
	Suspended	19813	IRONFL PEND AT OPT 30M SA 8LTO	1/1.5/2/3/8	2xLTO 7.2V 0.5AH	30m		5W	1		
	LG		Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036								
	LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037								
	DALI		Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038								
LG230	Wall/ceiling	17890	IRONFLAG LGS230 20M			20m	2.6W	6.1VA	0.5		CENTRALISED BATTERY
	Wall/ceiling	17891	IRONFLAG LGS230 30M			30m	4.1W	8.3VA	0.8		
	Suspended	17892	IRONFLAG PEND LGS230 20M			20m	2.6W	6.1VA	0.6		
	Suspended	17893	IRONFLAG PEND LGS230 30M			30m	4.1W	8.3VA	0.9		
LG24	Wall/ceiling	17894	IRONFLAG LGS24 20M			20m	2.5W		0.5		
	Wall/ceiling	17895	IRONFLAG LGS24 30M			30m	3.7W		0.8		
	Suspended	17896	IRONFLAG PEND LGS24 20M			20m	2.5W		0.6		
	Suspended	17897	IRONFLAG PEND LGS24 30M			30m	3.7W		0.9		
HT230	Wall/ceiling	17898	IRONFLAG HT 20M			20m	3.1W	6.6VA	0.5		
	Wall/ceiling	17899	IRONFLAG HT 30M			30m	4.7W	9.5VA	0.8		
	Suspended	17900	IRONFLAG PEND HT 20M			20m	3.1W	6.6VA	0.6		
	Suspended	17901	IRONFLAG PEND HT 30M			30m	4.7W	9.5VA	0.9		

MODULO ORMA

ORMA LASER MODULE

Laser micro-projector that emits a bright and prominent arrow-shaped asymmetrical conical beam, producing a virtual pictogram to indicate the nearest escape route. To position the image on the ground at the most suitable point and with the correct signal orientation, simply rotate the body of the device.

ACCESSORIES - included

SUSPENDED MOUNTING CABLES
SUSPENDED version only

LH/RH/DOWN SCREENS
Screen printing on opal polycarbonate

WALL BRACKET
WALL/CEILING version only

ACCESSORIES - to be ordered separately

ORMA LASER
TR, AT-OPT versions only
Installation as an alternative to Code 19882
Order Code **19884**
`TR` `AT-OPT`

RM INIBIT REMOTE CONTROL
RM for TR versions only
Order Code **2730**
`RM`

LIGHT ABOVE DOOR
TR, AT-OPT versions only
Installation as an alternative to Code 19884
Order Code **19882**
`TR` `AT-OPT`

RECESSED MOUNTING KIT
20m - Order Code **19880**
30m - Order Code **19881**

Exit

NuBe

IP40 | 850° | IK05 | □ | Batt. LTO +45°C -20°C | Batt. NiMH +40°C 0°C

TITANIUM BATTERY 10 YEARS WARRANTY

☆ Signage suitable for any industrial or services installation. Available in three sizes with a distance of visibility (DV) of 20, 30 or 60 m. Version with fast-charging Titanium Battery (LTO), with 10 years of service life and for extreme working temperatures.

Screen-printed screen for more uniform signal illumination

Innovative concealed fixing system. The same bracket, supplied, is used for both ceiling and edge mounting.

Applications
Services, industry

Characteristics
Power supply 230VAC ± 10%, 50÷60Hz
Mounting Wall, false ceiling, ceiling with rods and cables, edge mounting on wall, edge mounting on ceiling, three-phase track
Recharging time 12hrs with LTO battery
Housing Polycarbonate, white RAL 9003
Screen Clear polycarbonate
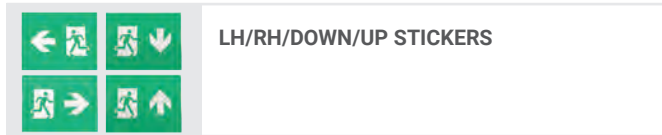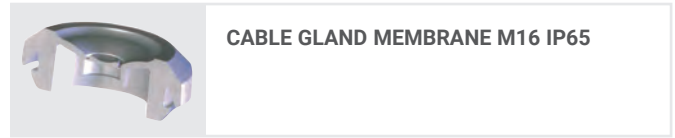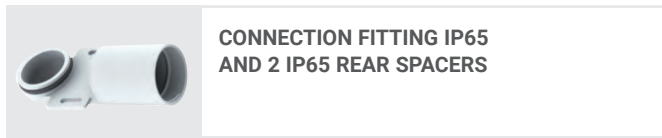**Compliance** EN 60598-1, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034

DV 20m | DV 30m | DV 60m

W	Dimensions mm			Distance of visibility (DV)
	L	B	H	
2	299	155	30	20m
3	314	194	30	30m
6	629	355	30	60m

	Order Code	W	Description	Version	Autonomy h	Battery	Distance of visibility DV	Input power DC	AC	Weight Kg	Packaging Single/ Multi pack	
TR	4320		EXIT DF20M SA RM	SA/SE	1/2/3	NiMh 3.6V 750mAh	20m		2.5W	0.3	1/6	STANDARD
	4321		EXIT DF30M SA RM	SA/SE	1/2/3	NiMh 3.6V 1.5Ah	30m		3.5W	0.5	1/6	
	4322		EXIT DF60M SA RM	SA/SE	1/2/3	2xNiMH 3.6V 1.2Ah	60m		6.5W	1	1/3	
AT - OPT	4380		EXIT AT OPT 20M SA 8LTO	SA/SE	1/1.5/2/3/8	LTO 7.2V 0.5AH	20m		7.5W	0.3	1/6	CENTRALISED SELF-TESTING
	4381		EXIT AT OPT 30M SA 8LTO	SA/SE	1/1.5/2/3/8	2x LTO 7.2V 0.5AH	30m		7.5W	0.5	1/6	
	LG		Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036									
	LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037									
	DALI		Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038									
LG230	17911		EXIT LGS230 DF20M				20m	2.5 W	6.1 VA	0.5	1/6	CENTRALISED BATTERY
	17912		EXIT LGS230 DF30M				30m	3.5 W	8.3 VA	0.5	1/6	
	17913		EXIT LGS230 DF60M				60m	7.0 W		1.0	1/6	
LG24	17914		EXIT LGS24 DF20M				20m	2.5 W		0.5	1/6	
	17915		EXIT LGS24 DF30M				30m	3.5 W		0.5	1/6	
	17916		EXIT LGS24 DF60M				60m	7.0 W		1.0	1/6	
HT230	17917		EXIT HT DF20M				20m	2.5 W	6.6 VA	0.5	1/6	
	17918		EXIT HT DF30M				30m	3.5 W	9.5 VA	0.5	1/6	
	17919		EXIT HT DF60M				60m	7.0 W		1.0	1/6	

ACCESSORIES - included

LH/RH/DOWN SCREENS
Screen printing on opal polycarbonate

UNIVERSAL BRACKET

ACCESSORIES - to be ordered separately

CEILING RECESSED MOUNTING ACCESSORY
Distance of visibility (DV) 20-30 m
Order Code **4312** (20 m) - **4313** (30 m)

SUSPENDED MOUNTING ACCESSORY WITH CABLES
Order Code **14771**

THREE-PHASE TRACK KIT
Order Code **4319**

EDGE MOUNTING WALL BRACKET
60m versions only
Order Code **19045**

SUSPENDED MOUNTING RODS
250 - 500 - 1000 mm
Order Code **4315** (250 mm) - **4316** (500 mm)
4317 (1000 mm)

LG - LGFM - DALI MODULE (AT-OPT version only)
LG - Order Code **15036**
LGFM - Order Code **15037**
DALI - Order Code **15038**
| LG | LGFM | DALI |

RM INIBIT REMOTE CONTROL
RM for TR versions only
Order Code **2730**
RM

UpLED Bandiera IP65

IP65 **IK07** △850° ▢ **Batt. LTO** +45°C -20°C **Batt. NiCd** +40°C 0°C

TITANIUM BATTERY **10 YEARS** WARRANTY

⭐ IP65 flag with a 40m visibility distance.

⤢ Wall or ceiling mounting and accessories for special mounting, such as the three-phase track kit.

🔧 Quick installation with IP65 accessories with snap-on fixing of the flag screen without the need for tools.

Applications

Industry, services, hospitals, schools, retail where a high visibility distance is required

Characteristics

Power supply 230VAC ± 10%, 50÷60Hz
Mounting Wall, ceiling, three-phase track
Housing Polycarbonate, white RAL 9003
Screen Opal polycarbonate
Compliance EN 60598-1, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034
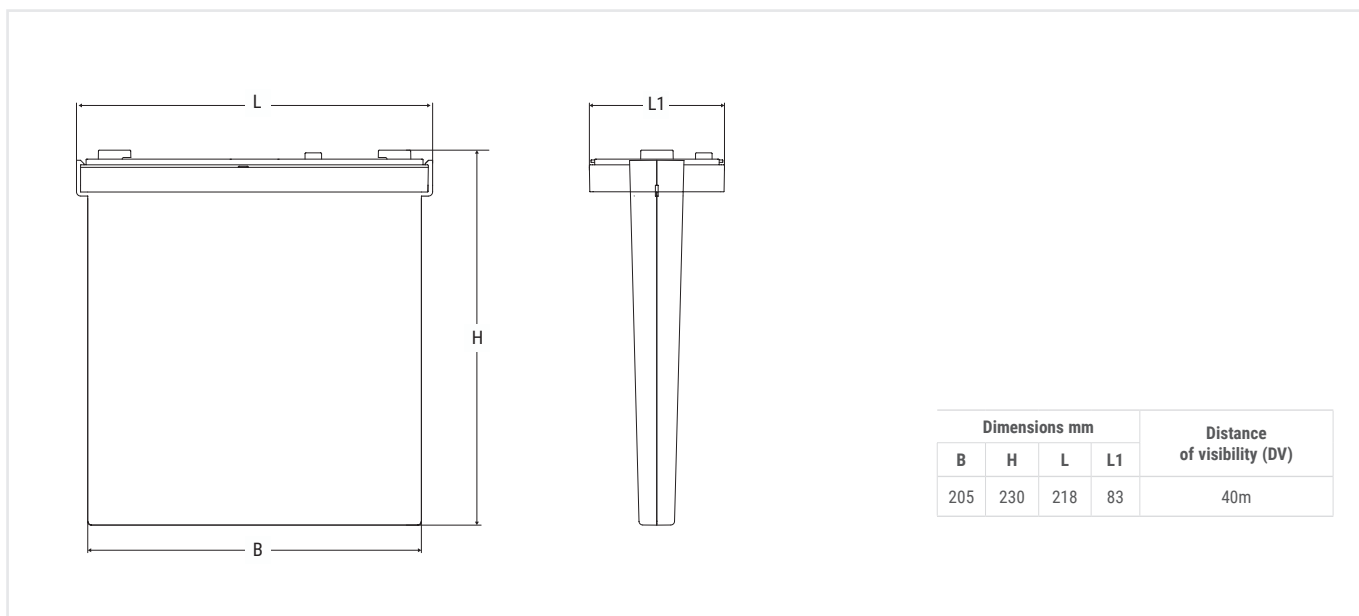
Dimensions mm				Distance of visibility (DV)
B	H	L	L1	
205	230	218	83	40m

	Order Code	W	Description	Version	Autonomy h	Battery	Distance of visibility DV	Input power		Weight Kg	Packaging Single/ Multi pack	
								DC	AC			
TR	**824BA**		UP LED BAND 824BA SE/SA IP65 RM	SA/SE	1.5	NiCd 3.6V 0.75Ah	40m		2W	0.5	1/12	STD.
AT-0PT	**4372BA**		UP LED BAND IP65 ATOPT SA 8LTO	SA/SE	1/1.5/2/3/8	LTO 4.8V 0.5Ah	40m		7.5W	0.3	1/12	CENTRALISED SELF-TESTING
	LG		Standalone luminaires with Centralised Diagnostics integrating the Module Order No. 15036									
	LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 15037									
	DALI		Standalone luminaires with Dali Centralised Diagnostics integrating the Module Order Code 15038									

ACCESSORIES - included

CONNECTION FITTING IP65 AND 2 IP65 REAR SPACERS

CABLE GLAND MEMBRANE M16 IP65

LH/RH/DOWN/UP STICKERS

ACCESSORIES - to be ordered separately

THREE-PHASE TRACK KIT

Order Code **4319**

RM INIBIT REMOTE CONTROL
RM for TR versions only

Order Code **2730**

RM

Plug&Light LED Inverter

☆ Inverter for compact LED luminaires thanks to the integrated battery.

⤢ Equipped with cable gland protection covers to allow installation outside the luminaire, without a protection box.

🔧 Plug&Light technology for immediate wiring with SD series luminaires - Auto-dimmer already prepared for connection.

| IP40 | IP65 | IK08 | ⋀850° | ▢ | Batt. NiMH +40°C 0°C | Batt. NiCd +40°C 0°C |

Applications

Services, industry, inside IP65 luminaires

Characteristics

Power supply 230VAC ± 10%, 50÷60Hz

Output voltage 20 - 60 VDC (Order Code 19358, 19359), 60 - 180VDC (Order Code 19367)

Max. output current 160 mA

Status LED Two colours with PC light guide (BCS)

Housing Polycarbonate

Compliance EN 61347-2-7, EN 61347-1, EN 60598-1
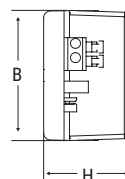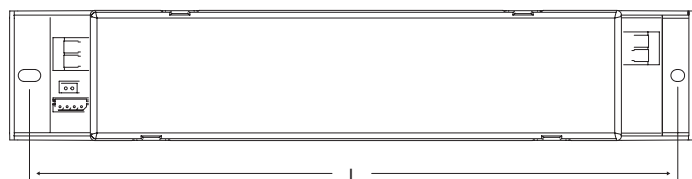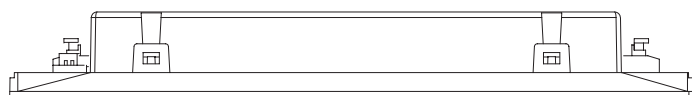
Version	Dimensions mm		
	L	B	H
IP40	239	46	30
IP65	301	139	55

EXAMPLE OF FLUX CALCULATION FOR BS 100 LED (SMART DRIVER) WITH LED INVERTER WITH 1H OF AUTONOMY (Order 19358)

The LED Inverter can guarantee the maximum lighting performance that the luminaire on which it is installed can achieve. Please find below the calculation method and an example for determining the Rated Flux in emergency mode

P= Inverter rated power
(in the version 1h = 3.2W)
Fn= Rated luminaire flux (for BS100 LED = 8350lm)
Pn= Rated power
(for BS100 LED = 64W)

$$\text{Flux} = P\text{ inverter} \times \frac{F_n}{P_n} \text{ where:}$$

$$\text{Flux} = 3.2 \times \frac{8350}{64} = 417\text{lm}$$

1h autonomy 417lm flux

BATTERY CONTROL SYSTEM

The signalling LED follows new protocols linked to compliance with standard IEC EN 60598-2-22, where it is expressly required to signal battery malfunctioning, which is instantly signalled by the appearance of the red colour on the multi-coloured signalling LED (BCS Battery Control System).

Green indicator LED:
**LUMINAIRE
IN FULL WORKING
ORDER**

Red indicator LED:
**BATTERY NOT
CONNECTED**

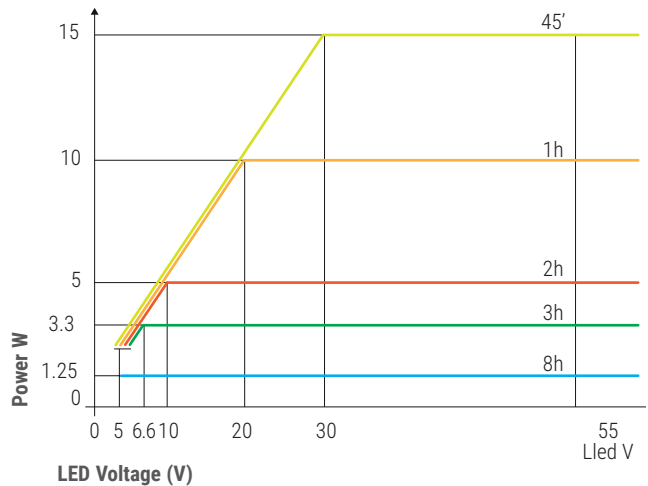|	Order Code	P out Max W	Description	Version	Autonomy h	Battery	FLUX SE lm	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/Multi pack
TR	**IP40**											
	19358	3.2	INV PLUG&LIGHT LED SE/SA 1H 20-60V	SA/SE	1	NiCd 7.2V 0.75Ah			1W		0.3	1/12
	19359	3	INV PLUG&LIGHT LED SE/SA 3H 20-60V	SA/SE	3	NiMH 7.2V 1.5Ah			1W		0.3	1/12
	19367	3.2	INV PLUG&LIGHT LED SE/SA 1H 60-180V	SA/SE	1	NiCd 7.2V 0.75Ah			1W		0.3	1/12
	19371	3	INV PLUG&LIGHT LED SE/SA 3H 60-180V	SA/SE	3	NiMH 7.2V 1.5Ah			1W		0.3	1/12
	IP65											
	19368	3	INV PLUG&LIGHT LED SE/SA 3H 20-60V IP65	SA/SE	3	NiMH 7.2V 1.5Ah			1W		0.8	1/12
	19373	3	INV PLUG&LIGHT LED SE/SA 3H 60-180V IP65	SA/SE	3	NiMH 7.2V 1.5Ah			1W		0.8	1/12

STANDARD

ACCESSORIES - included

2 CABLE GLAND COVERS

INVERTER COVER IP65
Dimensions 301x139x55mm
(IP65 version only)

LED Inverter

High-performance LED inverter with output current control and constant peak current PWM modulation to drive the LED module optimally without distorting the luminous flux and the colour temperature (K) of the LEDs.

Wide range for self-testing or centralised control luminaires, both wired and radio. Autoripara battery to double the autonomy.

Applications

Services, industry, in high performance IP65 luminaires or with a IP65 enclosure installed.

Characteristics

Power supply 230VAC ± 10%, 50÷60Hz

Output voltage 5V - 55V

P in max driver 1500VA

V in max driver 250VAC

Recharging time* 12hrs

Max. output current 500mA

Status LED Two colours

Housing Polycarbonate

Compliance EN 61347-2-7, EN 61347-2-13, EN 61347-1, EN 62034

* The time refers to the battery included with the luminaire. The charging time doubles when the Autoripara battery is used.

IP20	Accessory IP65 enclosure — IP65	850°	▣	Batt. LiFe +50°C 0°C	Inverter +60°C -20°C
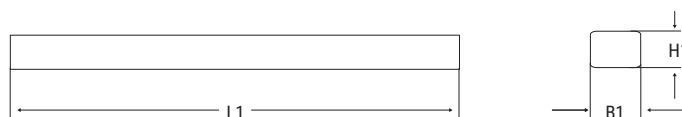
INVERTER

BATTERY

Dimensions mm					
L	B	H	L1	B1	H1
232	30	26	72	60	20

EXAMPLE OF FLUX CALCULATION FOR BS 100 LED (SMART DRIVER) WITH LED INVERTER WITH 1H OF AUTONOMY (Order 19355L)

The LED Inverter can achieve an excellent lighting performance of the luminaire on which it is installed. Please find below the calculation method and an example for determining the Rated Flux in emergency mode

$$Flux = P \text{ inverter} \times \frac{Fn}{Pn} \text{ where:}$$

P= Inverter rated power
(in the version 1h = 7W)
Fn= Rated luminaire flux (for BS100 LED = 8350lm)
Pn= Rated power
(for BS100 LED = 64W)

$$Flux = 7 \times \frac{8350}{64} = 913lm$$

The calculation does not take into account the improved efficiency of the luminaire when driven with very low power compared to the nominal values, in which case the fluxes are underestimated.

1h autonomy 913lm flux

POWER TREND ACCORDING TO LED VOLTAGE

The output power is subordinated to the maximum output current of 500mA (e.g., with the inverter set to 1h of autonomy, it will guarantee a 7W output when only used to power an LED set with Vled>14Volt; below this voltage, the power is reduced as shown in the graph.
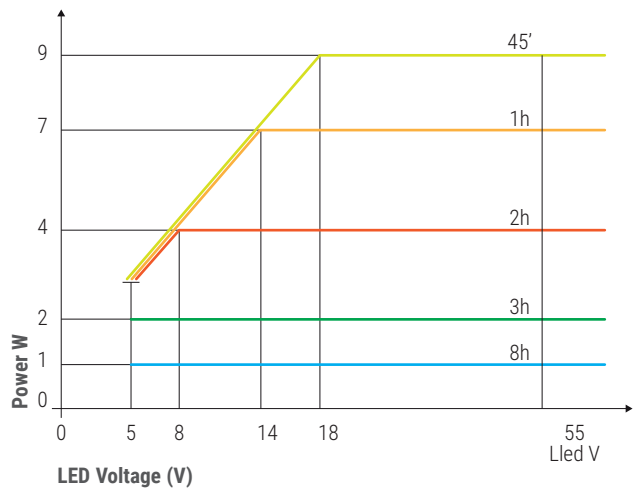
Order Code	P out Max W	Description	Version	Autonomy h	Battery	P out W	Batt. AUTORIPARA OPTIONAL Autonomy h	Input power DC	Input power AC	Weight Kg	Packaging Single/Multi pack	
19355L	9	INVERTER LED AT/LG AR 9W 55V LIFE	SA/SE	0.75/1/2/3/8	LiFe HT 9.6V 1.5Ah	9/7/4/2/1	**1.5/2/4/6/16**		2W	0.3	1/12	CENTRALTEST
LGFM		Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 19375										

(LG)

ACCESSORIES - to be ordered separately

AR - AUTORIPARA BATTERY
Compatible with Order Code **19355L**

Order Code **RA06 -** LIFE 9.6V 1.5Ah

INVERTER COVER IP65
Dimensions 301x139x55mm

Order Code **19376**

LGFM module

Order Code **19375 (LGFM)**

LGFM

095 emergency conversion kit

GranLuce LED inverter

NUBe

☆ LED inverter with a luminous flux of up to 2000lm, for high-performance luminaires. Extreme working conditions thanks to special lithium batteries.

⤢ Wide range for Autotest and radio centralised control luminaires. Autoripara battery to double the autonomy.

🔧 Quick wiring and optional IP65 enclosure for installation outside the luminaire.

Applications

Services, industry, in high performance IP65 luminaires or with a IP65 enclosure installed even outdoors.

Characteristics

Power supply 230VAC ± 10%, 50÷60Hz

Output voltage 5V - 55V

P in max driver 1500VA

V in max driver 250VAC

Recharging time* 12hrs

Max. output current 500mA

Status LED Two colours

Housing Polycarbonate

Compliance EN 61347-2-7, EN 61347-2-13, EN 61347-1, EN 62034

* The time refers to the battery included with the luminaire. The charging time doubles when the Autoripara battery is used.

Accessory IP65 enclosure

| IP20 | IP65 | ⋀850° | ▣ | Batt. LTO 🌡+45°C -20°C | Batt. LiFe 🌡+50°C -0°C | Inverter 🌡+60°C -20°C |

★ TITANIUM BATTERY ★ **10 YEARS** WARRANTY
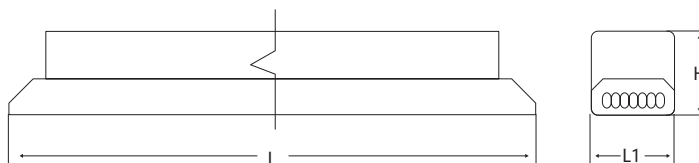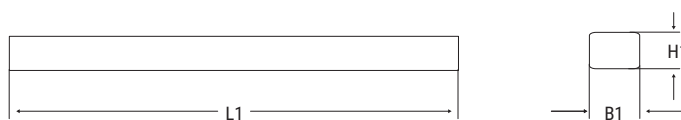
INVERTER

BATTERY

Version	Dimensions mm					
	L	B	H	L1	B1	H1
LTO	232	30	26	198	37	19
LiFe	232	30	26	132	37	19

EXAMPLE OF FLUX CALCULATION FOR BS 100 LED (SMART DRIVER) WITH LED INVERTER WITH 1H OF AUTONOMY (Order 19390)

The GranLuce LED Inverter can to guarantee the maximum lighting performance that the luminaire on which it is installed can achieve. Please find below the calculation method and an example for determining the Rated Flux in emergency mode

P= Inverter rated power
(in the version 1h = 10W)
Fn= Rated luminaire flux (for BS100 LED = 8350lm)
Pn= Rated power
(for BS100 LED = 64W)

$$Flux = P\ inverter \times \frac{Fn}{Pn}\ where:$$

$$Flux = 10 \times \frac{8350}{64} = 1304lm$$

The calculation does not take into account the improved efficiency of the luminaire when driven with very low power compared to the nominal values, in which case the fluxes are underestimated.

1h autonomy 1304lm flux

POWER TREND ACCORDING TO LED VOLTAGE

The output power is subordinated to the maximum output current of 500mA (e.g. with the inverter set to 1h of autonomy, it will guarantee a 10W output when only used to power an LED set with Vled>20Volt; below this voltage, the power is reduced as shown in the graph.

	Order Code	P out Max W	Description	Version	Autonomy h	Battery	P out W	Batt. AUTORIPARA OPTIONAL Autonomy h	FLUX SA lm	Input power DC	Input power AC	Weight Kg	Packaging Single/ Multi pack
LG	19390	15W	INVERTER GL AT/LG AR 15W 55V LTO	SA/SE	0.75/1/2/3/8	LTO 14.4V 1.2Ah	15/10/5/3.3/1.25	**1.5/2/4/6/16**			3.7	0.3	1/12
	19391*	15W	INVERTER GL AT/LG AR 15W 55V LIFE	SA/SE	0.75/1/2/3/8	LiFe 12.8V 1.5Ah	15/10/5/3.3/1.25	**1.5/2/4/6/16**			3.7	0.3	1/12
	LGFM	Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 19375											

CENTRALTEST

* 5-year warranty

ACCESSORIES - to be ordered separately

AR - AUTORIPARA BATTERY
Compatible with Order Code **19390**

Order Code **RA07** - LTO 14.4V 1.2Ah

INVERTER COVER IP65
Dimensions 301x139x55mm

Order Code **19376**

AR - AUTORIPARA BATTERY
Compatible with Order Code **19391**

Order Code **RA08** - LiFe 12.8V 1.5Ah

LGFM module

Order Code **19375 (LGFM)**

LGFM

Cablecom Connect CBL Control Unit

Control unit for CBL Cablecom series luminaires with single power supply wired connection for data transmission and integrated WiFi for remote management from the Beghelli NuBe Cloud.

Newly installed luminaires are preconfigured in AutoTest AT mode. As soon as the CBL Control Unit is connected, they are automatically recognised as centralised luminaires and all programming and centralised monitoring functions are immediately available directly via the Control Unit buttons. By downloading the B.Connect APP, you can connect to the Control Unit and automatically configure the entire system, start functional and autonomy tests, change the parameters of each device and enable advanced functions such as Rest Mode and Infinity Mode.

| AT-CBL | 32 DEVICES | IP20 | +40°C -20°C | GSM | LOCAL | GPRS |

Applications

Industry, services

Characteristics

Power supply 230VAC ±10%, 50÷60Hz

Mounting 4 DIN rail modules

Equipment back-up battery

Managed luminaires up to 32 CBL system luminaires

Connection interface

WiFi - AccesPoint (AP) mode and Client (STA) mode, Bluetooth (not enabled)

Management software

B.connect App, NuBe, Cablecom App

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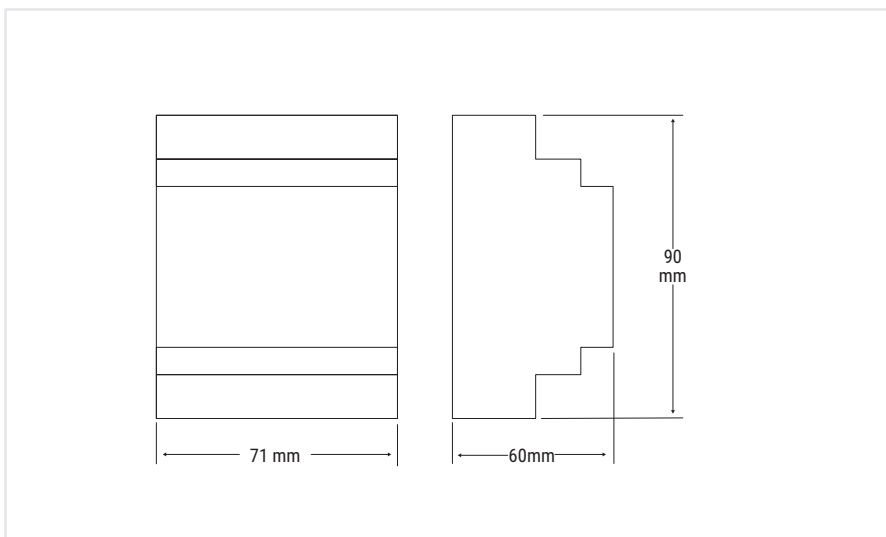
71 mm

60mm

90 mm

FUNCTIONS

- Modular system
- Luminaires operating in both AutoTest and Centraltest CBL modes.
- Programmable autonomy (1-1.5 -2-3-8hrs)
- Delayed testing for part of the system (even/odd)
- Rotary switch for manual programming
- Possibility of remote control via B.connect APP

- Possibility of remote control via PC with the NuBe portal (in addition to GSM, Ethernet, USB, RS232 interfacing)
- Possibility of integration with Building Automation
- Centralised configuration operations
- Activation of Rest Mode function
- Activation of Infinity Mode function
- Automatic download of the system LogBook in PDF format, as required by the EN UNI 11222 Standard

INFINITY MODE, THE INFINITE AUTONOMY SYSTEM

The Infinity Mode function can be activated on all Cablecom (CBL) luminaires, either with the single product in AutoTest AT version (via the B.connect App) or in CentralTest CT version, by activating the specific mode from the control panel of the CableCom Connect Control Unit. Thanks to the CableCom communication BUS, which allows the same cables to be used both for power supply and for data transmission, in the event of a blackout, when the rated autonomy is over, the CBL Bus will supply the electricity needed to keep the luminaire switched on over an infinite autonomy (at a reduced flux, power supplied from the CableCom CBL BUS line).

	Order Code	Description	Number of luminaires	Number of DIN rail modules	Weight Kg	Packaging Single/ Multi pack
AT-CBL	20151	CABLECOM CONNECT CONTROL UNIT	32	4	0.2	1

ACCESSORIES - to be ordered separately

GSM MODULE
With Ethernet LAN input and power supply (1+1 DIN)
SIM card slot (included)
Order Code **20157**

Cablecom Connect CBL Control Unit	Cablecom Connect CBL Control Unit	Cablecom Connect CBL Control Unit
Up to 32 luminaires AT-CBL	**Up to 32 luminaires AT-CBL**	**Up to 32 luminaires AT-CBL**

Logica Connect LG Control Unit

| LG | DALI | 128/3968 DEVICES | IP20 | +40°C -20°C | LOCAL |
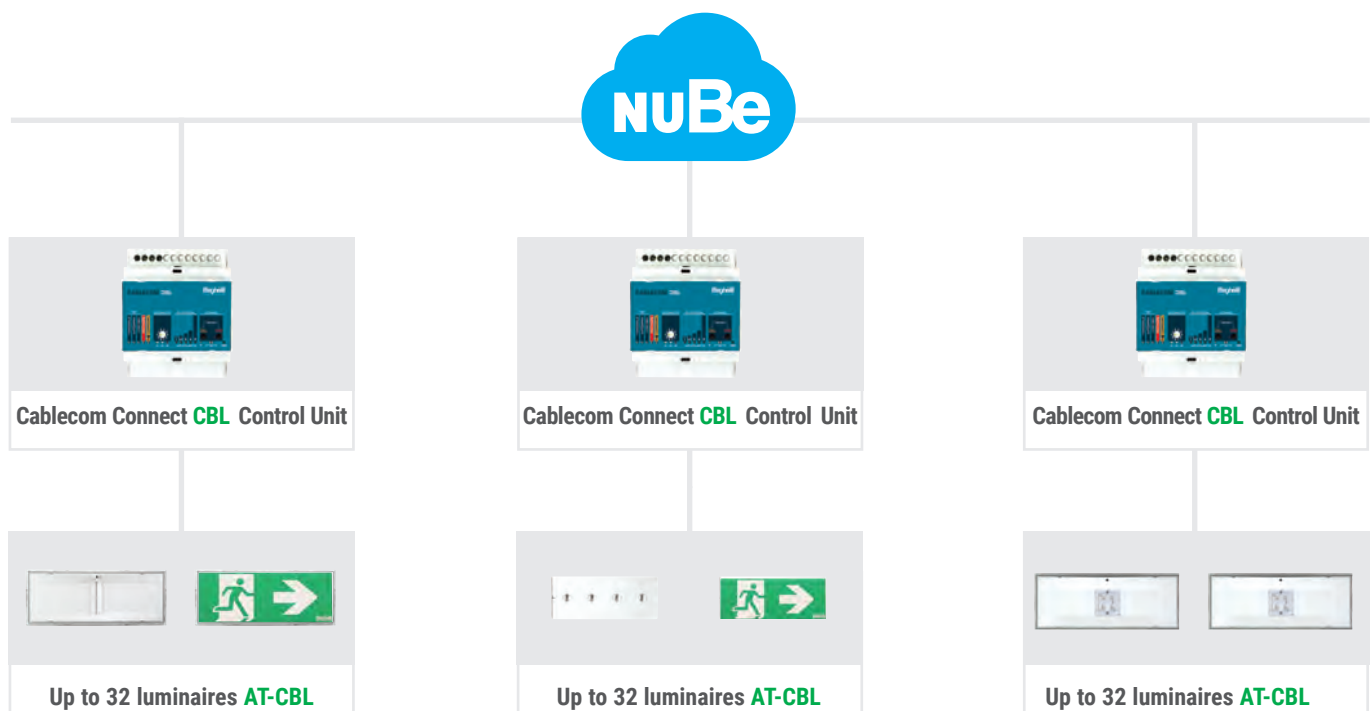
☆ Control unit for Logica LG series emergency luminaires with BUS control of the luminaires and integrated WiFi for remote management from the Beghelli NuBe Cloud.

⤢ The LG system allows to control a very high number of luminaires (up to 3968) thanks to the combination with the Supervisor Control Unit that, in turn, can control up to 31 LG Control Units. The system is particularly versatile in that, thanks to the Supervisor Control Unit, it overcomes any compatibility problems in systems where there are existing LG Control Units of an older generation, which are in any case integrated into the set and shared in the Beghelli NuBe Cloud.

Applications

Industry, services

Characteristics

Power supply 230VAC ±10%, 50÷60Hz
Mounting 4 DIN rail modules
Equipment Relay output and buffer battery
Managed luminaires up to 128 devices per each LG Control Unit; by integrating the Supervisor Control Unit, it is possible to connect 31 control units for a total of 3968 luminaires that can be managed from a single point. In mixed systems, up to 64 DALI devices + 32 LG devices can be controlled.
Connection interface
WiFi - AccesPoint (AP) mode and Client (STA) mode, Ethernet, Bluetooth (not activated), RS485, 4 x potential-free inputs, 1 x 230V input
Management software
B.connect App, NuBe
Compliance EN60950-1, EN62034, EN50172, 2014/53/EU
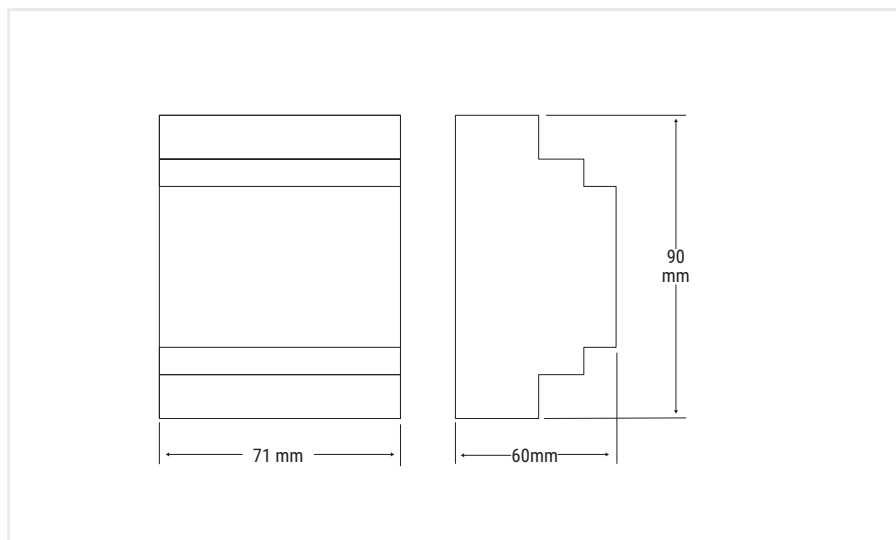
90 mm

71 mm

60mm

FUNCTIONS

- Modular system
- Luminaires operating in both AutoTest and Centraltest CBL modes.
- Programmable autonomy(1hour / 3hours)
- Delayed testing for part of the system (even/odd)
- Bus Logica wired connections
- Bus DALI-compatible for the management of DALI (LOGICA) luminaires

- Possibility of remote control via B.connect APP
- Possibility of remote control via PC with the NuBe portal (in addition to GSM, Ethernet, USB, RS232 interfacing)
- Possibility of integration with Building Automation
- Centralised configuration operations
- 16 programmable luminaire groups
- 16 programmable brightness scenes

	Order Code	Description	Number of luminaires	Number of DIN rail modules	Weight Kg	Packaging Single/ Multi pack
LG	12100C	LOGICA CONNECT LG CONTROL UNIT	128	4	0.2	1

ACCESSORIES - to be ordered separately

GSM MODULE
With Ethernet LAN input and power supply (1+1 DIN)
SIM card slot (included)
Order Code **20157**

SUPERVISOR CONTROL UNIT
It connects up to 31 LG control units for a total of 3968 controlled luminaires
Order Code **12131C**

NuBe integration scheme for LG Connect systems with older generation LG systems

NuBe

Supervisor control unit

Logica Connect LG Control Unit

Logica Connect LG Control Unit

Logica LG Control Unit (previous version)

Logica LG Control Unit (previous version)

LG luminaires

LG luminaires
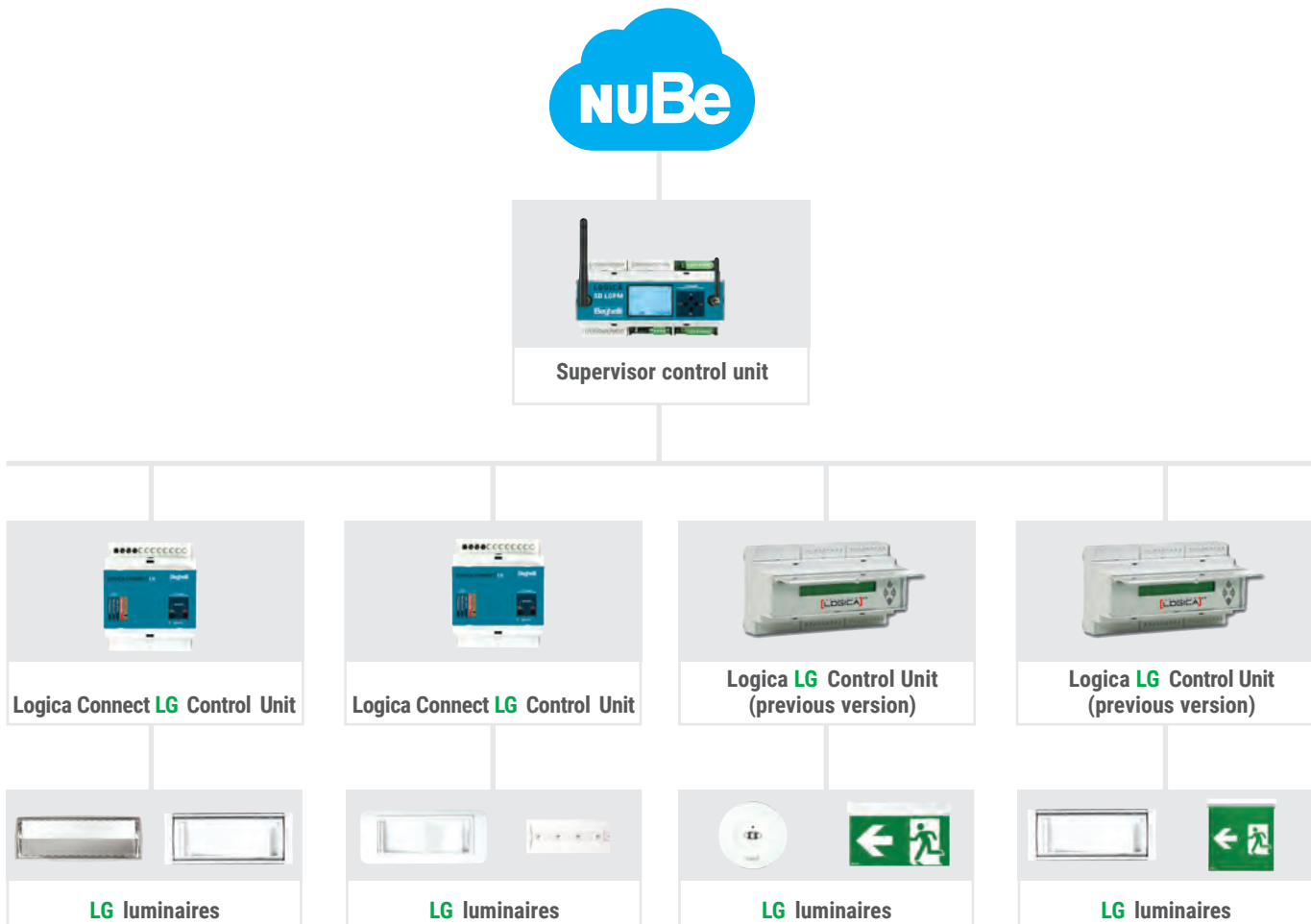
LG luminaires

LG luminaires

Logica Connect LGFM Control Unit

☆ Radio control unit for emergency luminaires of the Logica LGFM series with radio control of the luminaires and integrated WiFi for remote management from the Beghelli NuBe Cloud.

The LGFM system allows great flexibility during installation thanks to the radio system that connects the control unit to the luminaires and the luminaires between them without having to add a wired data transmission system. Secure radio transmission with a mesh communication network, where each luminaire acts as a repeater for the next luminaire

| LGFM | SPREAD SPECTRUM | 256 DEVICES | IP20 | +40°C -20°C | GSM | LOCAL | GPRS |

Applications
Industry, services

Characteristics
Power supply 230VAC ±10%, 50÷60Hz
Mounting 4 DIN rail modules
Equipment Relay output
Managed luminaires
Up to 256 LGFM devices
Connection interface
Radio Spread Spectrum SFH DSSS
WiFi - AccesPoint (AP) mode and Client (STA) mode, Ethernet (1 port), Bluetooth (not activated), RS485, 4 x potential-free inputs, 1 x 230V input
Management software
B.connect App, NuBe, Logica visual
Memory card
SD Card (not included)
Compliance EN60950-1, EN62034, EN50172, 2014/53/EU

90 mm

71 mm

60mm
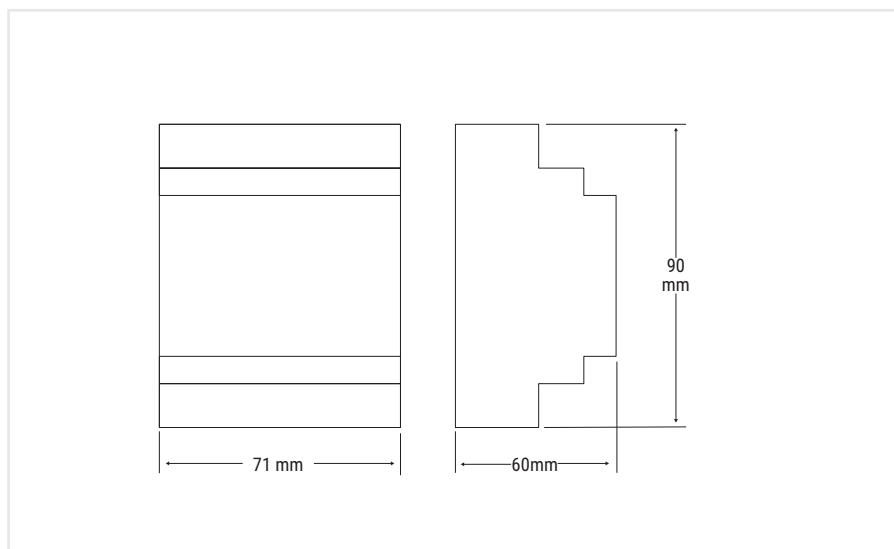
FUNCTIONS

- Modular system
- Luminaires operating in both AutoTest and Centraltest LGFM modes.
- Programmable autonomy(1hour / 3hours)
- Delayed testing for part of the system (even/odd)
- Radio links with SFH DSS system
- Possibility of remote control via B.connect APP

- Possibility of remote control via PC with the NuBe portal (in addition to GSM, Ethernet, USB, RS232 interfacing)
- Possibility of integration with Building Automation
- Centralised configuration operations
- 16 programmable luminaire groups
- 16 programmable brightness scenes

LOW POWER RADIO COMMUNICATIONS BASED ON SPREAD-SPECTRUM TECHNOLOGY UNLIMITED RADIO RANGE

The radio waves used by the Logica FM system are very low power to avoid any kind of interference and electromagnetic pollution. The power involved in radio communication is less than one hundredth of that emitted by a normal mobile phone. The signal transmitted by the Control Unit is received by the first luminaire in the "route" memorised during the control unit start-up; each luminaire, equipped with a radio transceiver and an amplifier, receives and transmits the signal to the next appliance in the memorised "route".

All products in this range comply with the standards in the European Recommendation ERC/REC 70-03.

	Order Code	Description	Number of luminaires	Number of DIN rail modules	Weight Kg	Packaging Single/ Multi pack
LGFM	12128C	LOGICA CONNECT LGFM CONTROL UNIT	256	4	0.2	1

ACCESSORIES - to be ordered separately

GSM MODULE
With Ethernet LAN input and power supply (1+1 DIN)
SIM card slot (included)
Order Code **20157**

NuBe

Logica Connect **LGFM** Control Unit

Logica Connect **LGFM** Control Unit

Logica Connect **LGFM** Control Unit

Up to 256 **LGFM** luminaires

Up to 256 **LGFM** luminaires

Up to 256 **LGFM** luminaires

Logica SD LGFM Control Unit

| SD | LGFM | SPREAD SPECTRUM | 996 DEVICES | IP20 | +40°C -20°C | UMTS | LOCAL |
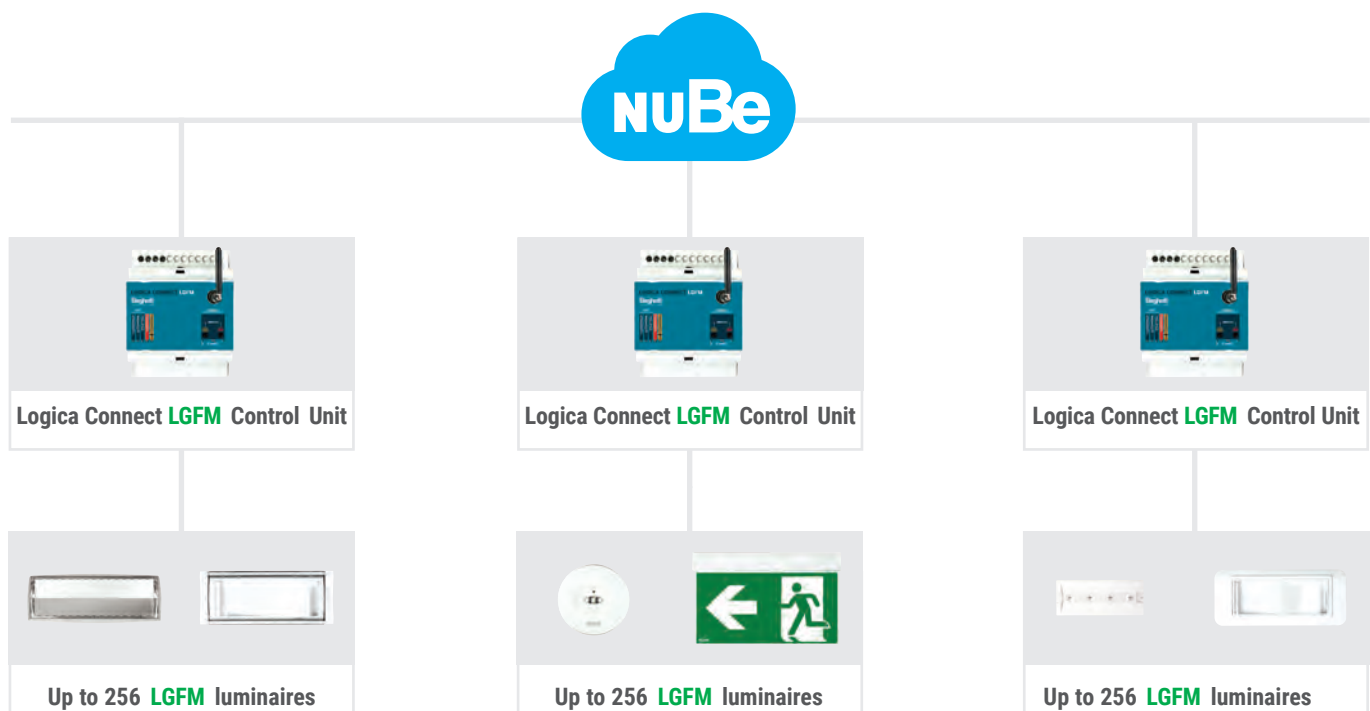
☆ Control unit for luminaires (SD-X and SD-Radio) and emergency lighting (LGFM) with radio control of the luminaires and integrated WiFi for remote management from the Beghelli NuBe Cloud.

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

Applications
Industry, services

Characteristics
Power supply 230VAC ±10%, 50÷60Hz
Mounting 9 DIN rail modules
Managed luminaires up to 996 manageable radio devices including lighting lamps, emergency lamps and home automation devices.
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

160 mm   75mm   90 mm
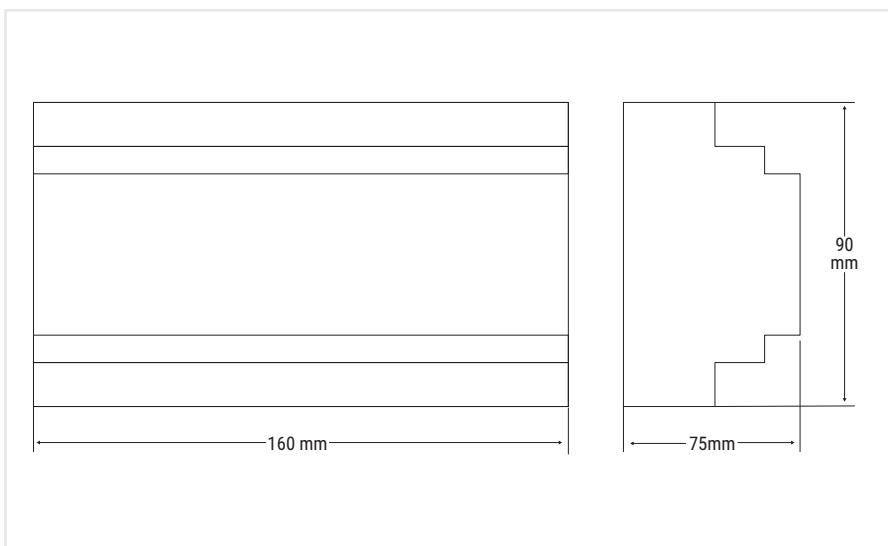
FUNCTIONS

- Setting of the dimmer level
- Definition of operating mode (fixed brightness at a set value or automatic dimming)
- Diagnostics
- Measurement of energy consumption and energy saved
- Creation of lighting scenarios
- Timed switching on/off of lamp groups

- Configuration of the lighting system
- Management of all emergency system functions
- Synchronisation and timing of test functions
- Emergency inhibition/enabling
- Detailed error management
- Alternating (even/odd) autonomy tests to keep 50% of the system always on, even during tests

LOW POWER RADIO COMMUNICATIONS BASED ON SPREAD-SPECTRUM TECHNOLOGY UNLIMITED RADIO RANGE

The radio waves used by the Logica FM system are very low power to avoid any kind of interference and electromagnetic pollution. The power involved in radio communication is less than one hundredth of that emitted by a normal mobile phone. The signal transmitted by the Control Unit is received by the first luminaire in the "route" memorised during the control unit start-up; each luminaire, equipped with a radio transceiver and an amplifier, receives and transmits the signal to the next appliance in the memorised "route".

All products in this range comply with the standards in the European Recommendation ERC/REC 70-03.

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

System modules

IP65 IP20

☆ Expansion modules, to be integrated inside the luminaires, to upgrade to a specific centralised control system allowing connection to the relevant control units **(SD LGFM, LGFM, LG)** or to other centralised systems**(DALI)**.

LG MODULE
It allows the expansion of the device for dialogue, via the Logica BUS, with the **Logica LG Control Unit**.

LGFM MODULE
High-frequency transceiver module for spread spectrum radio transmission, which allows luminaires to be radio connected to the **Logica SD LGFM and Logica Connect LGFM control units.**

DALI MODULE
It allows luminaire expansion for dialogue via **DALI BUS** with various control units equipped with DALI protocol data transmission.

	Order Code	Description	IP protection rating	Packaging Single/Multi pack
LG	15036	LG MODULE	IP20	1
LGFM	15037	LGFM MODULE	IP20	1
	15047*	IP65 LGFM MODULE	IP65	1
	19375**	LGFM INVERTER MODULE	IP20	1
DALI	15038	DALI MODULE	IP20	1

* To be combined with LungaLargaLuce Extreme (Code 19370)
** To be combined with INVERTER (19355L, 19390, 19391), STEEL (Cod.15030,15032), DOT (Order 19712)

Inibit remote control

⭐ Inibit control unit for the centralised remote control of the inhibition of the emergency system (Rest Mode function). The connection is via a 2-wire BUS. Available for LG version (4 DIN modules) and RM version (6 DIN modules)

NuBe

TELECOMANDO INIBIT
TR-AT/RM

LINE   EMERG. ON

ON
OFF

Beghelli

TR-AT	LG	RM version **100** DEVICES	LG version **128** DEVICES	IP20	+40°C -20°C

Applications

Industry, services

Characteristics

Power supply 230VAC ±10%, 50÷60Hz
Mounting 4/6 DIN rail modules
Equipment anti-blackout battery
Managed luminaires up to 128 devices in the LG version, up to 100 devices in the RM version (split over 2 lines 50+50)
Connection interface
WiFi - AccesPoint (AP) mode and Client (STA) mode, Bluetooth (not enabled)
Management software
B.connect App, NuBe (LG version only)
Compliance EN60950-1, EN62034, EN50172, 2014/53/EU
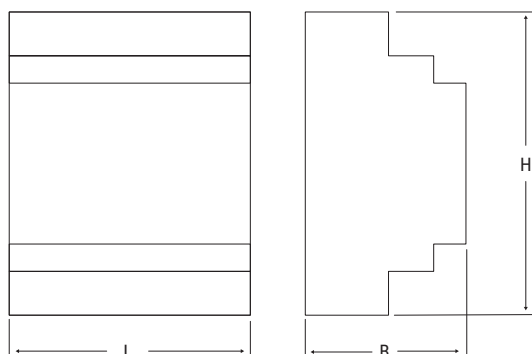
Version	Dimensions mm		
	L	B	H
TR-AT	150	70	90
LG	71	60	90

RM INIBIT REMOTE CONTROL

LG INIBIT REMOTE CONTROL

	Order Code	Description	Number of luminaires	Autonomy	Battery	Mounting	Weight Kg	Packaging Single/Multi pack
TR-AT	**2730**	973	100	500 activations	Nicd 6V 0.5Ah	DIN rail	0.4	1/6
LG	**12101**	LG LOGICA REMOTE CONTROL	128	500 activations	NiCd 7.2V 0.75Ah	DIN rail	0.5	1

Logica 230

NuBe

| LG230 | 3072 DEVICES | IP54 | IP21 | +40°C -20°C |

Centralised power supply for emergency lighting with diagnostic functions and automatic functional and autonomy tests. Each luminaire performs diagnostics in accordance with UNI 11222 and communicates with the control unit using the power lines to exchange information. A technology by which the Control Unit sends an encrypted transmission to the luminaire to which it is addressed on the power supply lines dedicated to the luminaires, with no possibility of error.

The system allows the composition of a mixed LG230 and LG24 system. It is also possible to connect luminaires, already used for ordinary lighting, in emergency mode by inserting the specific Lamp Module.

Compliance EN50171, 2014/30/EU, 2014/35/EU, EN50172, EN62040-1-1, EN62040-2

CONTROL UNITS AND SUB-UNITS

The LG230 Control Unit is available in many standard configurations ranging from the smallest ST5, to the largest ST24. Furthermore, in order not to lose the great versatility of the system, customised compositions can be made following a specific modular coding that allows you to create your own tailor-made system. Each Control Unit is then integrated into a metal cabinet that contains all the components required for the system. In the case of complex systems or systems divided into different zones, it is advisable to split up the system using the appropriate sub-units, which are also available in different sizes according to the number of lamps and lines to be supplied. In systems with high power, a second cabinet containing the battery pack is provided. The batteries used are 216 VDC (18x12V) sets with an average lifespan of more than 10 years at 20°C.

LG230 CONTROL UNITS

| ST5 | STX5 | ST13 | ST24 |

LG230 CONTROL SUB-UNITS

| ST8 | ST16 | ST32 | ST24 (LG24) |

FUNCTIONS

- Control and monitoring of emergency luminaires on the same line, but with a different mode of operation:
- SE mode with switchover to SA mode via external control
- SE mode with selective activation of the emergency function by external monitoring modules
- Selective activation of the emergency function via auxiliary inputs
- Automatic recognition of control lines and modules for the installed luminaires
- Individual monitoring of 32 luminaires per line
- Automatic execution of functional and autonomy tests
- Automatic reporting of tests performed.
- Event logging for two years (LOG-BOOK)

MODULARITY AND SAFETY

Each LG230 Control Unit has a variable number of lines. Each line can control up to 32 luminaires. Each output module can handle 1 (1380W), 2 (2 x 690W) or 4 (4 x 345W) lines depending on the model. The total number of luminaires per output module must not exceed the total power of the line.
The possibility of splitting the emergency lighting supply over several outputs, all individually protected, introduces a new concept of safety and regulatory compliance that is far superior to the standards of centralised emergency systems.

SUPER SAFETY WITH THE DRM MODULE

DRM is an optional module made with Titanium batteries, which can be integrated into LG230 luminaires to create a disaster-proof system. If the structure containing the lines of the emergency power supply unit feeding the emergency luminaires fails, the DRM will intervene to ensure emergency lighting in all cases.

POWER SUPPLY
230V-50Hz mains

LG230 luminaires

DRM RECHARGE

BLACKOUT
power supply
mains

LG230 luminaires

DRM RECHARGE

DISASTER EVENT
with the cut out of
the supply lines of
the emergency power
supply unit

LG230 luminaires
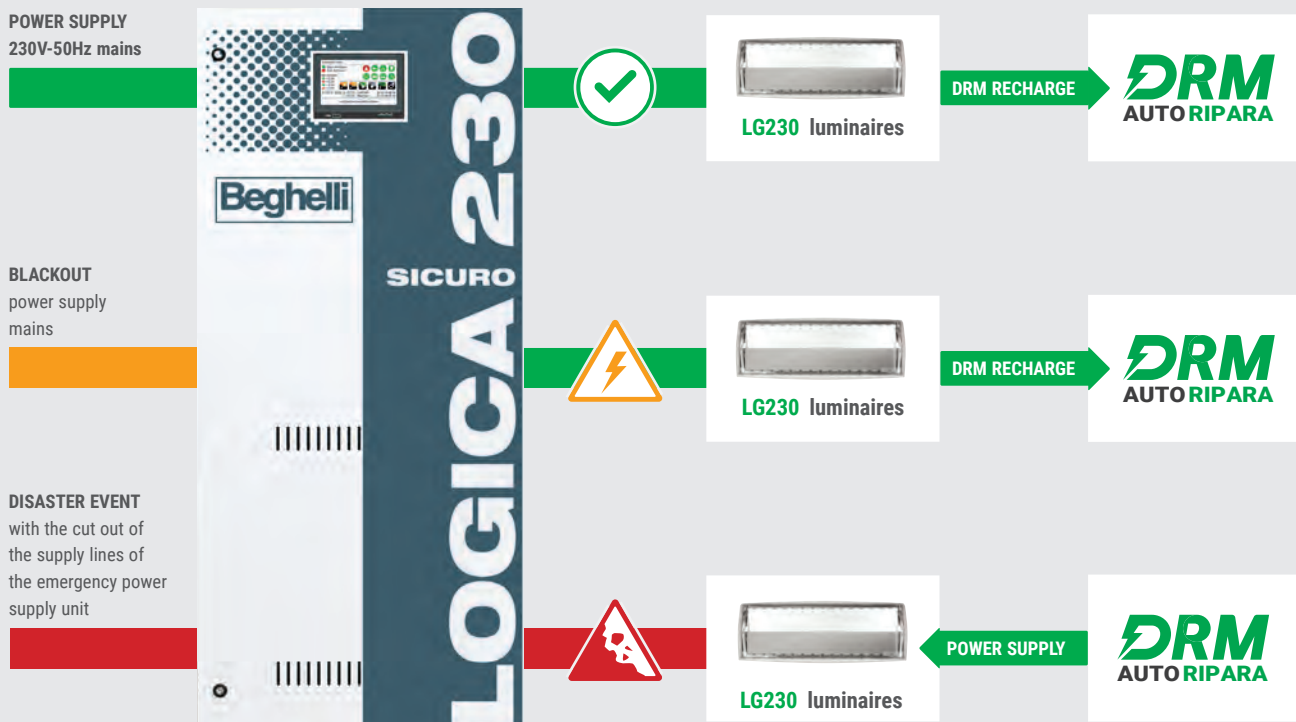
POWER SUPPLY

Logica 230

LG230 - LG24: EXPRESSION OF PURE FUNCTIONALITY

LOGICA 230/24 is a centralised power supply for emergency lighting with diagnostic functions and automatic functional and autonomy tests. The great versatility of the system allows composing a mixed system consisting of 230V modules and 24V modules using LOGICA 230 and LOGICA 24 also in dynamic mode. In addition, it is possible to connect luminaires already used for ordinary lighting as emergency luminaires, by simply inserting the specific Lamp Module, and it is always possible to integrate LOGICA 230/24 into a BMS system (Building Management System). Each luminaire can carry out the diagnostics required by the

NuBe CLOUD

BMS/MODBUS

WEB SERVER

Remote panel
Touch

Remote Panel
wall-mounted

	230V AC
	216V DC
	230V AC / 216V DC
	24V DC
	RS485 BUS
	Ethernet BUS

Input
Module
Logica 230/24

Normal Lighting

Lighting
with LED Inverter

Sicuro 230
500W

Control Unit
Logica 230

Output Module
outside Logica 230

UNI 11222 standard by communicating individually with the control unit using the power supply lines for information exchange by means of the power-line communication technology: the Control Unit sends an encoded digital transmission on the power supply lines dedicated to the luminaires, which transmission is only received by the luminaire to which it is addressed. This technology limits the number of connections and installation cables with obvious savings in material and labour.

Input Module Logica 230/24

Input Module Logica 230/24

Lighting with LED Inverter

LED Emergency luminaire with dynamic signalling

Control Sub-unit Logica 230 ST32

Logica 230 Control Sub-unit (from the 11 kW power supply)

Control Sub-unit Logica 24

Control Sub-unit Logica 24

Logica 230

SELECTION AND CODING OF THE LG230 CONTROL UNIT AND SUB-UNIT

In order not to lose the advantage of the system's great modularity, all compositions that go beyond the standard will have a new coding that, starting from the basic order code, will identify all additional modules:

LG230 Control Unit extended encoding

The first step is to identify the basic LG230 Control Unit that is already encoded and to integrate it with the modules, accessories and sub-units required for the system.
- number of Output Modules with 1, 2 or 4 circuits
- number of 230V Input Modules or potential-free contacts
- number of external Sub-units or Output Modules derived from the Main Control Unit, if any, in the system

Order Code of the Control Unit		Total number		Total number	Total number		Total number
17 _ _ _	-1 / -2 / -4 **U**	___	**I / IC**	___ / **K**	___ **S**	___	

U = Output Modules: **- 1U** = 1X32 (Code 17233)
                            - 2U = 2X32 (Code 17232)
                            - 4U = 4X32 (Code 17234)

I = Input Modules   **I** = 230V (Code 17230)
                          IC = 24V (Code 17231)

K = External Output Modules (AK)
S = Outputs for sub-units

LG230 Control Sub-unit extended encoding

As with the control units, the code composition involves the choice of a base code Sub-unit to be integrated with the necessary modules
- number of Output Modules with 1, 2 or 4 circuits
- number of 230V Input Modules

Order Code of the Control Unit		Total number		Total number	Total number
17 _ _ _	-1 / -2 / -4 **U**	___	**I / IC**	___ / **K**	___

U = Output Modules: **- 1U** = 1X32 (Code 17233)
                            - 2U = 2X32 (Code 17232)
                            - 4U = 4X32 (Code 17234)

I = Input Modules   **I** = 230V (Code 17230)
                          IC = 24V (Code 17231)

K = External Output Modules (AK)

ST5 LG230 CONTROL UNIT

LG230   IP20

350x600x1200mm

The LOGICA 230 ST5 control unit (5 slots) is integrated into a metal cabinet that contains all system components and battery packs. Each control unit has a variable number of Output and Input Modules, depending on the model. Each output module is divided into 1, 2 or 4 lines, each capable of controlling up to 32 luminaires for a maximum of 1380W for 1x version, 690W for 2x version, 345W for 4x version each line. The LOGICA 230 ST5 Control Unit has a 7" graphic touch screen display mounted on the door and output modules with 19" housings, the batteries are housed directly in the lower part of the Control Unit cabinet.

	Order Code	W	Description	Autonomy h	Modules OUT*	Modules IN**	Number of cabinets Battery	Battery	Power W		Weight Kg	
									Nominal***	Max.		
LG230	17601	800	ST5 S230 CONTROL UNIT 7Ah 1P	1h	0	0	-	18 x (12 V 7 Ah)	950	760	107	CENTRALISED BATTERY
	17602	500	ST5 S230 CONTROL UNIT 7Ah 2P	2h	0	0	-	18 x (12 V 7 Ah)	561	449	107	
	17603	300	ST5 S230 CONTROL UNIT 7Ah 3P	3h	0	0	-	18 x (12 V 7 Ah)	388	310	107	
	17604	1500	ST5 S230 CONTROL UNIT 12Ah 1P	1h	0	0	-	18 x (12 V 12 Ah)	1749	1399	138	
	17605	800	ST5 S230 CONTROL UNIT 12Ah 2P	2h	0	0	-	18 x (12 V 12 Ah)	972	778	138	
	17606	600	ST5 S230 CONTROL UNIT 12Ah 3P	3h	0	0	-	18 x (12 V 12 Ah)	712	570	138	

* Modules expandable up to 5 slots - ** Built-in IN modules expandable up to 2 / External IN modules expandable up to 96 - *** 20° environment

STX5 LG230 CONTROL UNIT

LG230   IP20

400x650x1520mm

The LOGICA 230 ST5 Control Unit (5 slots) is integrated into a metal cabinet that contains all system components and battery packs. Each control unit has a variable number of Output and Input Modules, depending on system requirements, max. 5 slots. Each output module is divided into 1, 2 or 4 lines, each capable of controlling up to 32 luminaires for a maximum of 1380W for 1x version, 690W for 2x version, 345W for 4x version each line. The LOGICA 230 Mini Control Unit has a 7" graphic touch screen display mounted on the door and output modules with 19" housings, the batteries are housed directly in the lower part of the Control Unit cabinet.

	Order Code	W	Description	Autonomy h	Modules OUT*	Modules IN**	Number of cabinets Battery	Battery	Power W		Weight Kg	
									Nominal***	Max.		
LG230	17610	1500	STX5 S230 CONTROL UNIT 12Ah 1P	1h	0	0	-	18 x (12 V 12 Ah)	1749	1399	161	CENTRALISED BATTERY
	17611	800	STX5 S230 CONTROL UNIT 12Ah 2P	2h	0	0	-	18 x (12 V 12 Ah)	972	778	161	
	17612	600	STX5 S230 CONTROL UNIT 12Ah 3P	3h	0	0	-	18 x (12 V 12 Ah)	712	570	161	
	17613	2000	STX5 S230 CONTROL UNIT 18Ah 1P	1h	0	0	-	18 x (12 V 18 Ah)	2562	2050	187	
	17614	1200	STX5 S230 CONTROL UNIT 18Ah 2P	2h	0	0	-	18 x (12 V 18 Ah)	1466	1173	187	
	17615	900	STX5 S230 CONTROL UNIT 18Ah 3P	3h	0	0	-	18 x (12 V 18 Ah)	1065	852	187	
	17616	3500	STX5 S230 CONTROL UNIT 28Ah 1P	1h	0	0	-	18 x (12 V 28 Ah)	4481	3585	260	
	17617	2000	STX5 S230 CONTROL UNIT 28Ah 2P	2h	0	0	-	18 x (12 V 28 Ah)	2533	2026	260	
	17618	1500	STX5 S230 CONTROL UNIT 28Ah 3P	3h	0	0	-	18 x (12 V 28 Ah)	1820	1456	260	

* Modules expandable up to 5 slots - ** Built-in IN modules expandable up to 2 / External IN modules expandable up to 96 - *** 20° environment

Logica 230

ST13 LG230 CONTROL UNIT

LG230   IP20

600x800x2000mm

The LOGICA 230 ST13 Control Unit (13 slots) is integrated into a metal cabinet that contains all system components and battery packs. Each control unit has a variable number of Output and Input Modules, depending on system requirements, max. 13 slots. Each output module is divided into 1, 2 or 4 lines, each capable of controlling up to 32 luminaires for a maximum of 1380W for 1x version, 690W for 2x version, 345W for 4x version each line. The LOGICA 230 ST13 Control Unit has a 7" graphic touch screen display mounted on the door and output modules with 19" housings, the batteries are housed directly in the lower part of the Control Unit cabinet.

Order Code	W	Description	Autonomy h	Modules OUT*	Modules IN**	Number of cabinets Battery	Battery	Power W Nominal***	Max.	Weight Kg
17620	2000	S230 CONTROL UNIT 18Ah 1P	1h	0	0	-	18 x (12 V 18 Ah)	2562	2050	253
17621	1200	S230 CONTROL UNIT 18Ah 2P	2h	0	0	-	18 x (12 V 18 Ah)	1466	1173	253
17622	900	S230 CONTROL UNIT 18Ah 3P	3h	0	0	-	18 x (12 V 18 Ah)	1065	852	253
17623	3500	S230 CONTROL UNIT 28Ah 1P	1h	0	0	-	18 x (12 V 28 Ah)	4481	3585	326
17624	2000	S230 CONTROL UNIT 28Ah 2P	2h	0	0	-	18 x (12 V 28 Ah)	2533	2026	326
17625	1500	S230 CONTROL UNIT 28Ah 3P	3h	0	0	-	18 x (12 V 28 Ah)	1820	1456	326
17626	4500	S230 CONTROL UNIT 33Ah 1P	1h	0	0	-	18 x (12 V 33 Ah)	5404	4323	351
17627	2500	S230 CONTROL UNIT 33Ah 2P	2h	0	0	-	18 x (12 V 33 Ah)	3019	2415	351
17628	1800	S230 CONTROL UNIT 33Ah 3P	3h	0	0	-	18 x (12 V 33 Ah)	2161	1729	351
17629	5500	S230 CONTROL UNIT 44Ah 1P	1h	0	0	-	18 x (12 V 44 Ah)	6710	5368	406
17630	3200	S230 CONTROL UNIT 44Ah 2P	2h	0	0	-	18 x (12 V 44 Ah)	3846	3077	406
17631	2200	S230 CONTROL UNIT 44Ah 3P	3h	0	0	-	18 x (12 V 44 Ah)	2776	2221	406
17632	7000	S230 CONTROL UNIT 55Ah 1P	1h	0	0	-	18 x (12 V 55 Ah)	8609	6887	471
17633	4000	S230 CONTROL UNIT 55Ah 2P	2h	0	0	-	18 x (12 V 55 Ah)	4980	3984	471
17634	3000	S230 CONTROL UNIT 55Ah 3P	3h	0	0	-	18 x (12 V 55 Ah)	3561	2849	471
17635	9200	S230 CONTROL UNIT 70Ah 1P	1h	0	0	-	18 x (12 V 70 Ah)	11359	9087	601
17636	5500	S230 CONTROL UNIT 70Ah 2P	2h	0	0	-	18 x (12 V 70 Ah)	6675	5340	601
17637	4000	S230 CONTROL UNIT 70Ah 3P	3h	0	0	-	18 x (12 V 70 Ah)	4838	3870	601
17638	10800	S230 CONTROL UNIT 80Ah 1P	1h	0	0	-	18 x (12 V 80 Ah)	13245	10596	631
17639	6100	S230 CONTROL UNIT 80Ah 2P	2h	0	0	-	18 x (12 V 80 Ah)	7461	5969	631
17640	4400	S230 CONTROL UNIT 80Ah 3P	3h	0	0	-	18 x (12 V 80 Ah)	5370	4296	631
17641	12800	S230 CONTROL UNIT 100Ah 1P	1h	0	0	-	18 x (12 V 100 Ah)	15673	12538	696
17642	7400	S230 CONTROL UNIT 100Ah 2P	2h	0	0	-	18 x (12 V 100 Ah)	9006	7205	696
17643	5400	S230 CONTROL UNIT 100Ah 3P	3h	0	0	-	18 x (12 V 100 Ah)	6549	5239	696
17644	13800	S230 CONTROL UNIT 110Ah 1P	1h	0	0	-	18 x (12 V 110 Ah)	16903	13522	751
17645	8000	S230 CONTROL UNIT 110Ah 2P	2h	0	0	-	18 x (12 V 110 Ah)	9854	7883	751
17646	6000	S230 CONTROL UNIT 110Ah 3P	3h	0	0	-	18 x (12 V 110 Ah)	7191	5753	751

LG230

CENTRALISED BATTERY

* Modules expandable up to 13 slots - ** Built-in IN modules expandable up to 4 / External IN modules expandable up to 96 - *** 20° environment

ST24 LG230 CONTROL UNIT

The ST24 Control Unit (24 slots) is integrated into a metal cabinet that contains all system components. A second cabinet containing the battery pack is provided. Each Control Unit has a variable number of Output and Input Modules, depending on system requirements, max. 24 slots. Each output module is divided into 1, 2 or 4 lines, each capable of controlling up to 32 luminaires for a maximum of 1380W for 1x version, 690W for 2x version, 345W for 4x version each line.

The ST24 control unit has a 7" graphic touch screen display mounted on the door and output modules with 19" housings, the batteries are housed in a separate cabinet.

| LG230 | IP54 | IP21 |

600x800x2000mm Control Unit and Batt. cabinet

	Order Code	W	Description	Autonomy h	Modules OUT*	Modules IN**	Number of cabinets Battery	Battery	Power W		Weight Kg
									Nominal***	Max.	
	17650	9200	ST24 S230 CONTROL UNIT 70Ah 1P	1	0	0	1	18 x (12 V 70 Ah)	11359	9087	783
	17651	5500	ST24 S230 CONTROL UNIT 70Ah 2P	2	0	0	1	18 x (12 V 70 Ah)	6675	5340	783
	17652	4000	ST24 S230 CONTROL UNIT 70Ah 3P	3	0	0	1	18 x (12 V 70 Ah)	4838	3870	783
	17653	10800	ST24 S230 CONTROL UNIT 80Ah 1P	1	0	0	1	18 x (12 V 80 Ah)	13245	10596	813
	17654	6100	ST24 S230 CONTROL UNIT 80Ah 2P	2	0	0	1	18 x (12 V 80 Ah)	7461	5969	813
	17655	4400	ST24 S230 CONTROL UNIT 80Ah 3P	3	0	0	1	18 x (12 V 80 Ah)	5370	4296	813
	17656	12800	ST24 S230 CONTROL UNIT 100Ah 1P	1	0	0	1	18 x (12 V 100 Ah)	15673	12538	878
	17657	7400	ST24 S230 CONTROL UNIT 100Ah 2P	2	0	0	1	18 x (12 V 100 Ah)	9006	7205	878
	17658	5400	ST24 S230 CONTROL UNIT 100Ah 3P	3	0	0	1	18 x (12 V 100 Ah)	6549	5239	878
	17659	13800	ST24 S230 CONTROL UNIT 110Ah 1P	1	0	0	1	18 x (12 V 110 Ah)	16903	13522	933
	17660	8000	ST24 S230 CONTROL UNIT 110Ah 2P	2	0	0	1	18 x (12 V 110 Ah)	9854	7883	933
	17661	5900	ST24 S230 CONTROL UNIT 110Ah 3P	3	0	0	1	18 x (12 V 110 Ah)	7191	5753	933
	17662	14800	ST24 S230 CONTROL UNIT 120Ah 1P	1	0	0	1	18 x (12 V 120 Ah)	18117	14494	1018
	17663	8600	ST24 S230 CONTROL UNIT 120Ah 2P	2	0	0	1	18 x (12 V 120 Ah)	10522	8418	1018
	17664	6300	ST24 S230 CONTROL UNIT 120Ah 3P	3	0	0	1	18 x (12 V 120 Ah)	7719	6175	1018
	17665	18900	ST24 S230 CONTROL UNIT 135Ah 1P	1	0	0	1	18 x (12 V 135 Ah)	23156	18525	1128
	17666	11100	ST24 S230 CONTROL UNIT 135Ah 2P	2	0	0	1	18 x (12 V 135 Ah)	13563	10850	1128
	17667	7900	ST24 S230 CONTROL UNIT 135Ah 3P	3	0	0	1	18 x (12 V 135 Ah)	9677	7742	1128
	17668	19400	ST24 S230 CONTROL UNIT 150Ah 1P	1	0	0	1	18 x (12 V 150 Ah)	23693	18954	1163
	17669	11200	ST24 S230 CONTROL UNIT 150Ah 2P	2	0	0	1	18 x (12 V 150 Ah)	13668	10934	1163
	17670	8000	ST24 S230 CONTROL UNIT 150Ah 3P	3	0	0	1	18 x (12 V 150 Ah)	9819	7855	1163
	17671	24700	ST24 S230 CONTROL UNIT 200Ah 1P	1	0	0	2	18 x (12 V 200 Ah)	30243	24194	1694
	17672	14800	ST24 S230 CONTROL UNIT 200Ah 2P	2	0	0	2	18 x (12 V 200 Ah)	18101	14481	1694
	17673	10800	ST24 S230 CONTROL UNIT 200Ah 3P	3	0	0	2	18 x (12 V 200 Ah)	13225	10580	1694
	17674	29400	ST24 S230 CONTROL UNIT 230Ah 1P	1	0	0	2	18 x (12 V 230 Ah)	36059	28847	1844
	17675	17300	ST24 S230 CONTROL UNIT 230Ah 2P	2	0	0	2	18 x (12 V 230 Ah)	21228	16982	1844
	17676	12500	ST24 S230 CONTROL UNIT 230Ah 3P	3	0	0	2	18 x (12 V 230 Ah)	15225	12180	1844

LG230

* Modules expandable up to 24 slots - ** Built-in IN modules expandable up to 8 / External IN modules expandable up to 96 - *** 20° environment

CENTRALISED BATTERY

Logica 230

SUB-UNITS

ST8 LG230 SUB-UNIT

Each output module is divided into 1, 2 or 4 lines, each capable of controlling up to 32 luminaires for a maximum of 1380W for 1x version, 690W for 2x version, 345W for 4x version each line.

The ST8 sub-unit incorporates a 7" graphic touch screen display.

Order Code	Description	Modules OUT*	Modules IN**	Weight Kg
17680	ST8 S230 SUB-UNIT	0	0	35

* Modules expandable up to 8 slots - ** Built-in IN modules expandable up to 2 / External IN modules expandable up to 96

LG230 **IP54** 350x600x570mm

ST16 LG230 SUB-UNIT

Each output module is divided into 1, 2 or 4 lines, each capable of controlling up to 32 luminaires for a maximum of 1380W for 1x version, 690W for 2x version, 345W for 4x version each line.

The ST16 Sub-unit incorporates a 7" graphic touch screen display.

Order Code	Description	Modules OUT*	Modules IN**	Weight Kg
17681	ST16 S230 SUB-UNIT	0	0	66

* Modules expandable up to 16 slots - ** Built-in IN modules expandable up to 4 / External IN modules expandable up to 96

LG230 **IP54** 400x800x890mm

ST32 LG230 SUB-UNIT

Each output module is divided into 1, 2 or 4 lines, each capable of controlling up to 32 luminaires for a maximum of 1380W for 1x version, 690W for 2x version, 345W for 4x version each line.

The ST32 Sub-unit incorporates a 7" graphic touch screen display.

Order Code	Description	Modules OUT*	Modules IN**	Weight Kg
17682	ST32 S230 SUB-UNIT	0	0	163

* Modules expandable up to 32 slots - ** Built-in IN modules expandable up to 8 / External IN modules expandable up to 96

LG230 **IP54** 600x800x2000mm

S24 LG24 SUB-UNIT

Multi-purpose sub-unit for the LG24 system, but it can also be connected to an LG230 Control Unit. Each output module is divided into 1, 2 or 4 lines, each capable of controlling up to 32 x 24V luminaires.

The S24 Sub-unit incorporates a 7" graphic touch screen display.

Order Code	Description	Modules OUT	Modules IN*	Weight Kg
17064	S24 SUB-UNIT	1 (4x32)	-	16

* External IN modules expandable up to 96

LG24 **IP20** 400x316x144mm

SYSTEM COMPONENTS

LG230 DRM MODULE

The DRM module recharges a new generation LiTO (Lithium titanate battery) with a very long life, when the system is in normal operation.

In the event of a disaster that cuts the power cables (e.g., an earthquake), the battery, via the DRM module, provides the lamp with the energy to switch on the emergency light

Battery TITANIUM

LG230 | IP20 | 70x19x11mm

Order Code	Description	Battery	Autonomy h	Recharging time h	LED lm*	Weight Kg
17236	DRM S230 MODULE + 1 LTO BATTERY	LTO 4.8V 0.5 Ah	1.5	7	110	
RA09	ADDITIONAL LTO BATTERY	LTO 4.8V 0.5 Ah	3	14	-	

EXTERNAL OUTPUT MODULE

The external output modules are integrated in a plastic cabinet that contains all system components, has a control panel with a large display, and cable entry from above.

Output module: 2 or 4 lines for max. 32 luminaires per line, permanent or non-permanent mode on the same line, power per line: 400W max., voltage/current per line: 230 V / 1.75A)

LG230 | IP65 | 130x295x485mm (17685)
130x295x583mm (17686)

Order Code	W	Description	Modules OUT*	No. of luminaires Connectable	Weight Kg
17685	400	S230 2X32 EXT. OUTPUT MODULE	1(2x32)	64	37
17686	2X400	S230 2+2X32 EXT. OUTPUT MODULE	2 (2x32)	128	40

* Number of output modules supplied 2x32 (300W max. per line)

LG230 - LG24 INPUT MODULES

Ordinary mains monitoring module. It allows a selective activation of parts of the system.

8 inputs - Relay output - DIN module mounting

LG230 module: 230V mains check on inputs
Three-phase sensor on inputs 1,2,3
LG24 module: Check of isolated changeover contacts

LG230 | LG24 | 110x54x60mm

Order Code	Description	Weight Kg
17230	S230 S24 230V DIN INPUT MODULE	0.2
17231	S230 S24 24V DIN INPUT MODULE	0.2

Logica 230

SYSTEM COMPONENTS

IP20 152x32x24mm

LG230 6-12W LED INVERTER

Inverter module for LED luminaires, consisting of two parts, the Driver LED 12W Sicuro 230V and the Switch Module INV Sicuro 230V

• Driver output voltage from 2 to 55V.
• Management of LED emergency luminaires
• Housing material: polycarbonate

Order Code	Description	Weight Kg
17381	230V 12W LOGICA INVERTER	0.1

LG230 **IP20** 152x32x24mm

2.5-500W LAMP MODULE

Lamp monitoring and control module.

• Permanent mode (SA), non-permanent mode (SE).
• Switching on and off via local switch.
• Load: 2.5 W - 500 W
• Operating voltage: 198 - 254Vca / 50Hz
• Battery operating voltage: 176÷276VDC
• Housing material: polycarbonate
• Protection rating: II
• Maximum output inrush load: 50A per 250µs (3J)

Order Code	Description	Weight Kg
17382	SWITCH 500W LOGICA 230V	0.1

LG230 **IP20** 152x32x24mm

DALI LAMP MODULE

Module for the management of luminaires for lighting and emergency lighting, equipped with a DALI electronic power supply unit, with anomaly reports.

• Individual monitoring with selective anomaly report
• SE or SA mode programmable from the Control Unit from the local LSSA or LSSA input module
• Selectable emergency lamp luminous flux
• Load: 2.5-4 W
• Operating voltage: 198Vca - 254Vca / 50 Hz
• Battery operating voltage: 176 VDC - 254VDC
• Housing material: polycarbonate

Order Code	Description	Weight Kg
17383	SWITCH LOGICA 230V DALI	0.1

ACCESSORY

LG230 OUTPUT MODULE
Piloting of 1, 2 or 4 lines per luminaire. Each line can supply a load of 1380W for 1x version, 690W for 2x version, 345W for 4x version. Max. 32 luminaires per line.
Order Code **17232** (2X32)
Order Code **17233** (1X32) **-** Order Code **17234** (4X32)

WALL-MOUNTED REMOTE PANEL
Operation mode control for both LG230 and LG24 systems

Order Code **17207**

NETWORK SENSOR
Mains power monitoring module for normal lighting, activation of the output control in the event of a failure on the mains: U < 0.6 UN per 0.5 s.
DS3 - UV 1-3 PHASE MONITORING

Order Code **17385**
Order Code **17206N**
Order Code **17226**

RECESSED REMOTE PANEL
Operation mode control for both LG230 and LG24 systems

Order Code **17208**

REMOTE TOUCH SCREEN PANEL
Control of up to 63 control units with multiple functions. It integrates a 7" graphic touch screen display
Order Code **17240**

USB/RS485 CONVERTER
Connection interface from PC to LG control units
Order Code **17235**

BATTERY CONTROLLER
Kit for 18 batteries

Order Code **17384**

LS-UV MODULE

Order Code **17237**

EXAMPLE OF SYSTEM CONFIGURATION

Output Module

Emergency luminaire selected with conversion for Non-permanent lighting SE

Signalling luminaire selected with conversion for Permanent lighting SA

Luminaire with Lamp Module (Order Code 17203) integrated into the emergency system

NETWORK

Local Control

2ST FLOOR

1   2

Emergency luminaire selected with conversion for Non-permanent lighting SE

Signalling luminaire selected with conversion for Permanent lighting SA

Luminaire integrated into the emergency system. Switch on and switch off controlled from the network directly from the Output Module

NETWORK

Local Control

1ST FLOOR

Selectivity of intervention in an emergency situation and for a possible failure

Mains sensor 2nd floor

Mains sensor 1nd floor

All the configurations shown in the diagram can be programmed simply from the control unit, without any changes to the system, using only the lamp power supply line, and can be reconfigured according to changing system requirements.

Logica 24

A centralised power supply system that enables the management of emergency lighting and signalling lamps using a safety extra-low voltage. Diagnostic functions with automatic function and autonomy tests. According to DIN EN 50172, the system is protection rating is class III. During emergency operation, a continuous 24VDC voltage is supplied. Each luminaire is assigned a specific unique address in self-learning. LOGICA 24 can also be integrated into a BMS (Building Management System) with the appropriate software.

By inserting the specific LED inverter, ordinary luminaires can be integrated into the emergency lighting system

Compliance EN50171, 2014/30/EU, 2014/35/EU, EN50172, EN62040-1-1, EN62040-2

| LG24 | 256 DEVICES | IP20 | IP54 | +35°C -5°C | +45°C -20°C |

CONTROL UNITS

The LG24 Control Unit is available in 2 standard configurations that vary according to the number of lines (4 lines, 8 lines). Each control unit is with an adjustable autonomy from 1 h to 3 hrs, with decreasing powers.

LG24 CONTROL UNITS

4 LINES

8 LINES

4 EXTREME LINES

8 EXTREME LINES

FUNCTIONS

- Possibility of controlling and monitoring emergency luminaires on the same line, but with different operating modes:
  - SA functions: conversion of selected luminaires in permanent mode
  - For SA luminaires, 10-100% dimmer function;
  - SE function: conversion of selected luminaires to non-permanent mode
- Non-permanent mode with selective activation of the emergency function by external input modules in the event of a partial failure on the mains
- Automatic recognition of control lines and modules for the installed luminaires
- Individual monitoring of 32 luminaires per line
- Automatic execution of functional and autonomy tests
- Automatic reporting of tests performed.
- Event logging for two years (LOG-BOOK)

INNOVATIONS IN THE LOGICA 24 SYSTEM

- Reduction in the number of circuits and wiring
- Reduction of the size of the control panel
- Reduction of installation costs
- Design simplification
- Increased flexibility both during and after installation
- Each module and each lamp is equipped with an identification code. No manual addressing required
- The LOGICA 24 system does not require incorrect or double addressing control. As a result, any time frame for solving a problem is eliminated

SYSTEM SPLITTING

The LG24 system is particularly suitable for situations where splitting up the emergency system is advantageous. Each control unit is connected to a PC for supervision which, in turn, can be connected in the cloud with the NuBe Beghelli web portal.

General control workstation
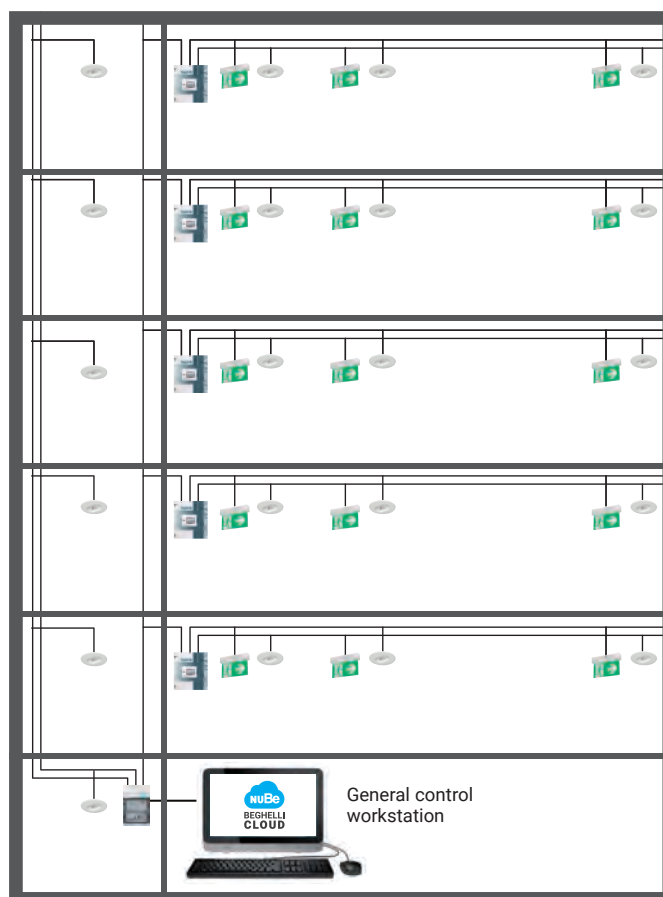
24V LOW-VOLTAGE OUTPUT MODULE

- Selective activation of the emergency function with emergency luminaires via the LOGICA 24 monitoring and control module
- Activation of the emergency function with normal lighting luminaires via the Inverter LOGICA 24 monitoring and control module
- Automatic addressing of the LOGICA 24 and Inverter LOGICA 24 modules via the ID code
- Permanent or non-permanent mode programmable per each luminaire
- Permanent or non-permanent mode on the same line
- Selective dimming (10 - 100%) per each luminaire in the permanent mode
- Selective switching (ON/OFF) per each luminaire in the permanent mode
- Selective switching (ON/OFF) per each luminaire in the non-permanent mode
- Self-diagnosis of all luminaires in a circuit with error indication for each luminaire

121 centralised battery systems

Logica 24

CENTRALISED LOW-VOLTAGE SYSTEMS

LOGICA 230/24 is a centralised power supply for emergency lighting with diagnostic functions and automatic functional and autonomy tests. The great versatility of the system allows composing a mixed system consisting of 230V modules and 24V modules using LOGICA 230 and LOGICA 24 also in dynamic mode. In addition, it is possible to connect luminaires already used for ordinary lighting as emergency luminaires, by simply inserting the specific Lamp Module, and it is always possible to integrate LOGICA 230/24 into a BMS system (Building Management System). Each luminaire can carry out the diagnostics required by the

L1
L2
L3
N

NuBe CLOUD

BMS/MODBUS

WEB SERVER

Remote panel
Touch

Remote panel
wall-mounted

LOGICA 24

S24 Control Unit

Normal lighting

UNI 11222 standard, by communicating individually with the control unit using the power supply lines for information exchange by means of the power-line communication technology: the Control Unit sends an encoded digital transmission on the power supply lines dedicated to the luminaires, which transmission is only received by the luminaire to which it is addressed. This technology limits the number of connections and installation cables with obvious savings in material and labour.

MAXIMUM CABLE LENGTH FOR A MAXIMUM VOLTAGE DROP OF 3.5V		
Load (A)	Cross-section (mm^2)	Length (m)
3	1.5	49
2	1.5	74
1	1.5	147
3	2.5	82
2	2.5	123
1	2.5	245
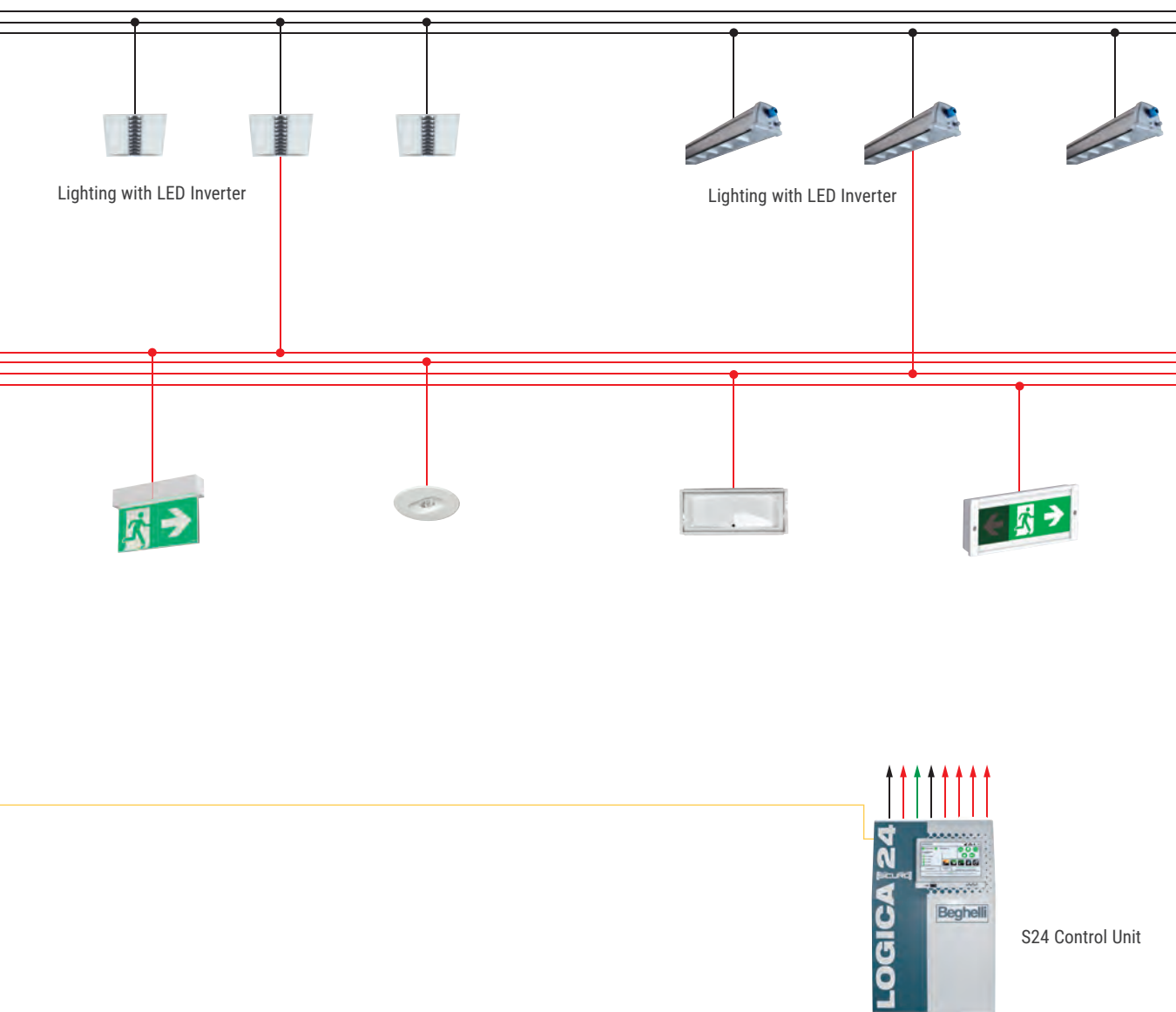
Lighting with LED Inverter

Lighting with LED Inverter

S24 Control Unit

Logica 24

LG24 CONTROL UNIT - 4 LINES

| LG24 | IP20 | +35°C -5°C | | 316x515x140mm (17060) 316x636x140mm (17061) 400x800x170mm (17062/63/65/66) |

LOGICA 24 Control Unit with 4 output circuits integrated into a metal cabinet that contains all system components and battery packs. Each output circuit can control up to 32 luminaires. Luminaire monitoring performs a functional test of the system and an endurance test to assess autonomy in case of emergency. Test results are stored in the control unit and can be shared. All LG24 control units feature a 7" colour touch screen display, the batteries are housed directly in the lower part of the control unit cabinet.

	Order Code	Description	Power / Autonomy			Battery		Output circuits	Maximum current	Colour RAL	Weight Kg	
			1h	2h	3h	Total capacity	Number and Type					
LG24	17060	LGS24 4U 12Ah B	156W	88.8W	67.2W	12Ah	2x 12V 12Ah	4	3A	9003	15	CENTRALISED BATT.
	17061	LGS24 4U 24Ah B	288W	180.8W	134.4W	24Ah	4x 12V 12Ah	4	3A	9003	25.7	
	17062	LGS24 4U 28Ah G	288W	232.8W	170W	28Ah	2x 12V 28Ah	4	3A	7035	37.5	
	17063	LGS24 4U 56Ah G	288W	288W	288W	56Ah	4x 12V 28Ah	4	3A	7035	56.5	

External IN modules expandable up to 96

LG24 CONTROL UNIT - 8 LINES

| LG24 | IP20 | +35°C -5°C | | 400x800x170mm |

LOGICA 24 Control Unit with 8 output circuits integrated into a metal cabinet that contains all system components and battery packs. Each output circuit can control up to 32 luminaires. Luminaire monitoring performs a functional test of the system and an endurance test to assess autonomy in case of emergency. Test results are stored in the control unit and can be shared. All LG24 control units feature a 7" colour touch screen display, the batteries are housed directly in the lower part of the control unit cabinet.

	Order Code	Description	Power / Autonomy			Battery		Output circuits	Maximum current	Colour RAL	Weight Kg	
			1h	2h	3h	Total capacity	Number and Type					
LG24	17065	LGS24 8U 28Ah G	384W	233W	170W	28Ah	2x 12V 28Ah	8	3A	7035	39.5	CENTRALISED BATT.
	17066	LGS24 8U 56Ah G	384W	384W	334W	56Ah	4x 12V 28Ah	8	3A	7035	58.5	

External IN modules expandable up to 96

LG24 EXTREME CONTROL UNIT - 4 LINES

LOGICA 24 Control Unit with 4 output circuits integrated into a metal cabinet that contains all system components and battery packs. Each output circuit can control up to 32 luminaires. Luminaire monitoring performs a functional test of the system and an endurance test to assess autonomy in case of emergency. Test results are stored in the control unit and can be shared. All LG24 control units feature a 7" colour touch screen display, the batteries are housed directly in the lower part of the control unit cabinet. LTO (Lithium Titanium) batteries guarantee high performance and reliability and can be used in extreme temperatures: -20°C +50°C.

LG24 **IP54** 🌡 **+45°C -20°C** 📐 400x800x170mm

Order Code	Description	Power / Autonomy			Battery		Output circuits	Maximum current	Colour RAL	Weight Kg
		1h	2h	3h	Total capacity	Number and Type				
17075	LGS24 4U EXTREME LTO 20Ah	226W	130W	94W	20Ah	1x 12V 20Ah	4	3A	7035	33
17076	LGS24 4U EXTREME LTO 40Ah	288W	288W	230W	40Ah	2x 12V 20Ah	4	3A	7035	39

External IN modules expandable up to 96

LG24 EXTREME CONTROL UNIT - 8 LINES

LOGICA 24 Control Unit with 8 output circuits integrated into a metal cabinet that contains all system components and battery packs. Each output circuit can control up to 32 luminaires. Luminaire monitoring performs a functional test of the system and an endurance test to assess autonomy in case of emergency. Test results are stored in the control unit and can be shared. All LG24 control units feature a 7" colour touch screen display, the batteries are housed directly in the lower part of the control unit cabinet. LTO (Lithium Titanium) batteries guarantee high performance and reliability and can be used in extreme temperatures: -20°C +50°C.

LG24 **IP54** 🌡 **+45°C -20°C** 📐 400x800x170mm

Order Code	Description	Power / Autonomy			Battery		Circuits power	Maximum current	Colour RAL	Weight Kg
		1h	2h	3h	Total capacity	Number and Type				
17077	LGS24 8U EXTREME LTO 20Ah	283W	130W	94W	20Ah	1x 12V 20Ah	8	3A	7035	35
17078	LGS24 8U EXTREME LTO 40Ah	384W	319W	230W	40Ah	2x 12V 20Ah	8	3A	7035	41

External IN modules expandable up to 96

Logica 24

SYSTEM COMPONENTS

LG24 INPUT MODULES

Ordinary mains monitoring module. It allows a selective activation of parts of the system.

8 inputs - Relay output - DIN module mounting

LG230 module: 230V mains check on inputs

Three-phase sensor on inputs 1,2,3

LG24 module: Check of isolated changeover contacts

LG230 LG24 110x54x60mm

Order Code	Description	Weight Kg
17230	S230 S24 230V DIN INPUT MODULE	0.2
17231	S230 S24 24V DIN INPUT MODULE	0.2

LG24 6-12W LED INVERTER

Module with plastic housing for installation inside LED luminaires with the Driver output voltage from 2 to 55V. It allows the management of LED emergency luminaires.

LG24 239x46x30mm (17220)
301x139x55mm (17210)

Order Code	Description	Protection rating	Weight Kg
17210	INV LED IP65 LOGICA 24V	IP65	0.8
17220	INV LED SLGS LOGICA 24V	IP40	0.1

ACCESSORY

NETWORK SENSOR

Mains power monitoring module for normal lighting, activation of the output control in the event of a failure on the mains: U < 0.6 UN per 0.5 s.
DS3 - UV 1-3 PHASE MONITORING

Order Code **17385**
Order Code **17206N**
Order Code **17226**

WALL-MOUNTED REMOTE PANEL

Operation mode control for both LG230 and LG24 systems

Order Code **17207**

REMOTE TOUCH SCREEN PANEL

Control of up to 63 control units with multiple functions. It integrates a 7" graphic touch screen display
Order Code **17240**

RECESSED REMOTE PANEL

Operation mode control for both LG230 and LG24 systems
Order Code **17208**

Logica 24 Dynamic

NUBe
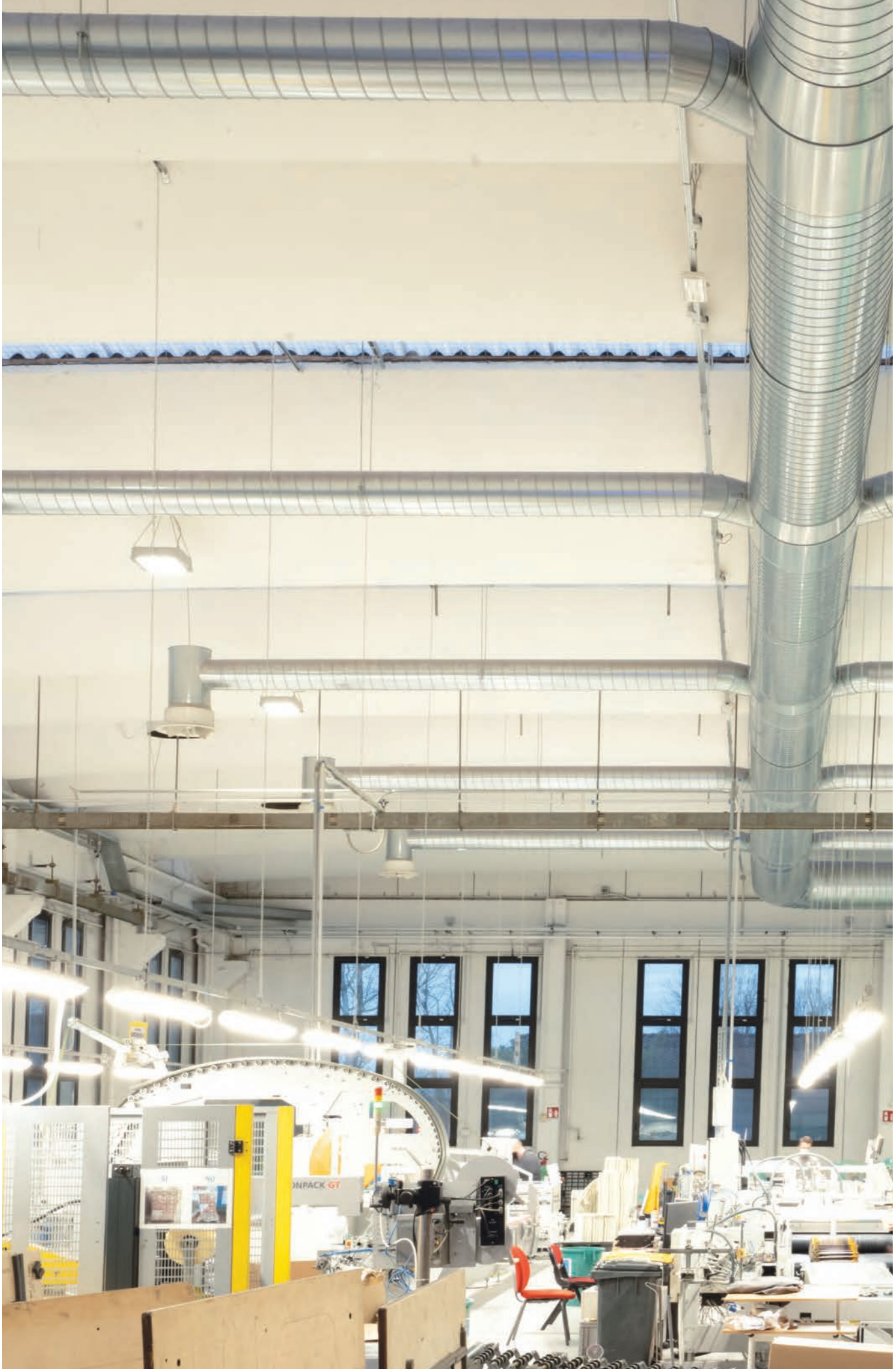
Rescue and safety signs are designed to illuminate the safe place outside the building or towards the assembly points, indicating the shortest route even in the event of power failures. In the event of fire, however, escape routes may be obstructed by smoke or fire. Only a dynamic emergency system can take into account these situations, visually blocking unusable escape routes and showing safe alternatives. People's lives, as a top priority, thanks to a system that contributes to the safe evacuation of buildings.

The dynamic system can be integrated into any system with LG24 or LG24 Extreme control units, interfacing the system, for example, with the fire fighting system.

| LG24 | 256 DEVICES | IP20 | IP54 | +35°C -5°C | EXTREME +45°C -20°C |

EVOLVING SAFETY REGULATIONS

Dynamic safety signalling systems are part of an evolving regulatory framework which, starting from the cornerstones of safety signalling at the workplace, regulated in general terms by Legislative Decree 81/08 and in particular terms by specific "Vertical" rules, is developing through the most modern principles set out in Ministerial Decree of 03 August 2015 (Approval of technical standards for fire prevention).

This provision explicitly refers to the responsibilities of the persons in charge of the best coordination of escape routes and their functions (ref. S.4.5.3, 4.5.8, 4.8.4).

LG24 CONTROL UNITS

4 LINES

8 LINES

4 EXTREME LINES

8 EXTREME LINES

LG24 DYNAMIC LUMINAIRES

FIRE EXIT SIGN

FIRE EXIT STEP SIGN

DYNAMIC SIGNAGE OF ESCAPE ROUTES FOR SAFE EVACUATION

The LOGICA 24 system makes it possible to increase the safety of workplaces, in particular complex places with more than one escape route, by managing conflict situations, the unavailability of escape routes for emergency situations (smoke or something else that prevents evacuation through that escape route).

The system is also particularly suitable in crowded places where bystanders are unfamiliar with the location. In these situations, it has been experimentally demonstrated that, in a situation of emergency, people are directed to leave the place by going back on the route they used to get there. By capturing the attention of bystanders to a greater extent and providing additional information in addition to the direction of escape, Variable and Dynamic signalling reduces these potentially dangerous situations.

The LOGICA 24 Dynamic System is an evolution of the LOGICA 24 System, with which it shares the control units and various interface devices. The system is connected to the building's fire fighting system via the potential-free contacts of the S24 input modules. If one or more smoke sensors send(s) a signal, the fire fighting control unit will trigger a change of status of the inputs and of the preset signalling scenarios. The emergency signalling scenarios, which are automatically activated in the event of a fire, indicate escape routes that are not at risk and activate the change of direction on the luminaires, or they block access to areas at risk with the illumination of safety signs prohibiting access.

A DYNAMIC SYSTEM IS BASED ON TWO FUNDAMENTAL PRINCIPLES:

1. prevent people from taking dangerous smoke-saturated escape routes
2. enable people in areas already saturated with smoke to take safer escape routes.

Fire alarm Control Unit

Potential-free contacts

17231

BUS + 24V

Fire detectors

4

2

24VDC

2
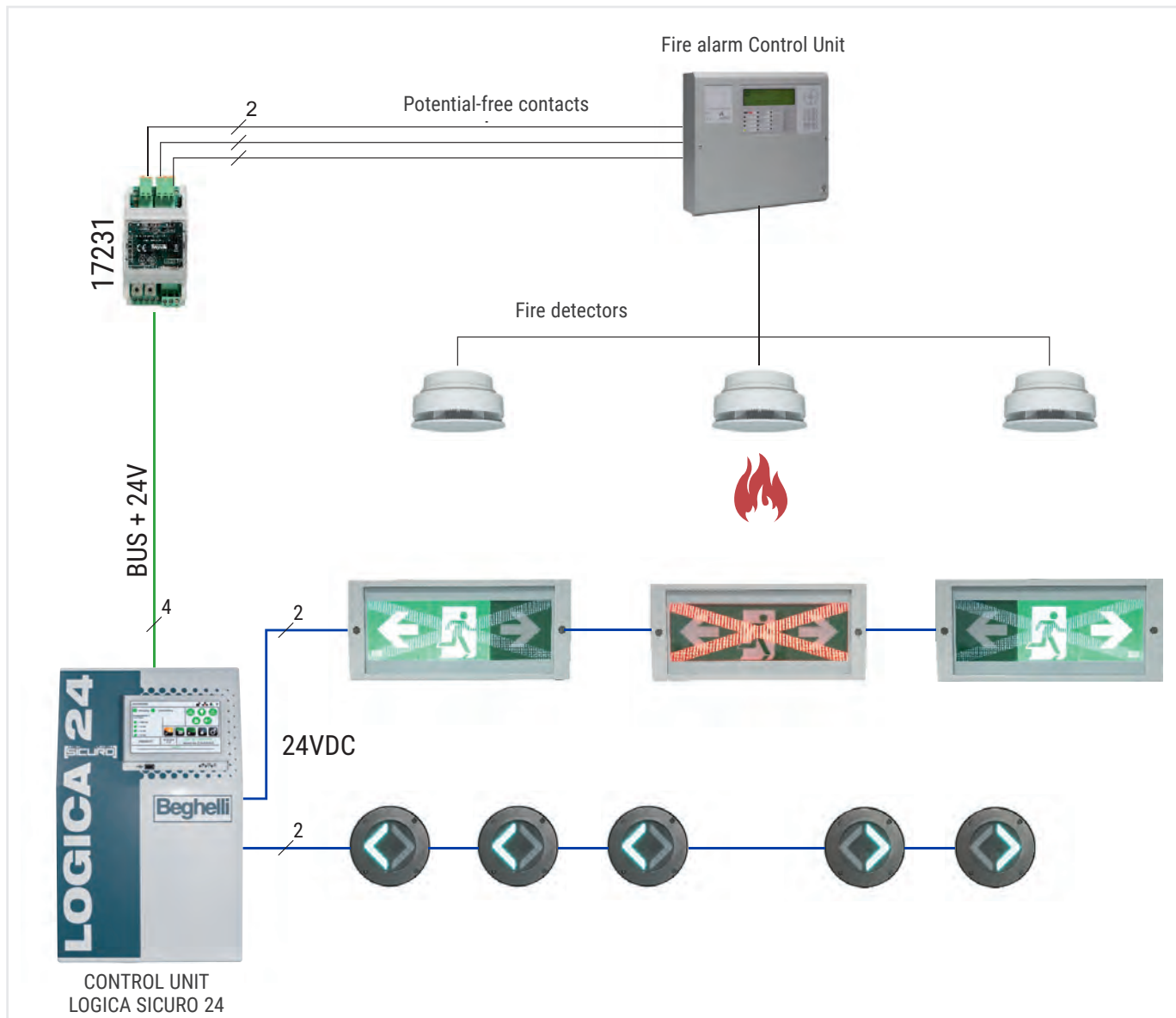
CONTROL UNIT
LOGICA SICURO 24

Logica 24 Dynamic

SYSTEM WITH LG24 DYNAMIC SYSTEM IN STATIC MODE
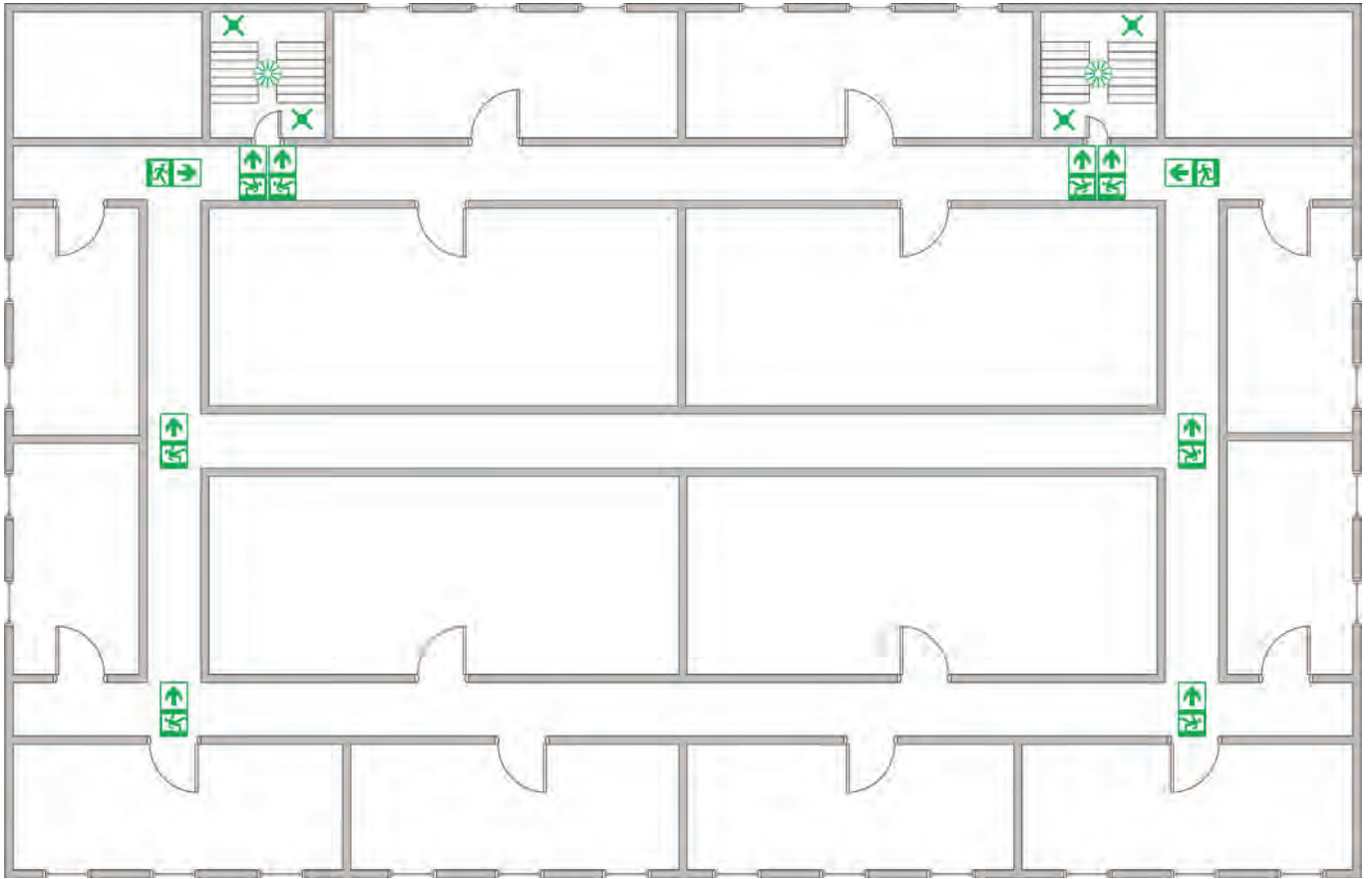
SYSTEM WITH LG24 DYNAMIC SYSTEM IN DYNAMIC MODE
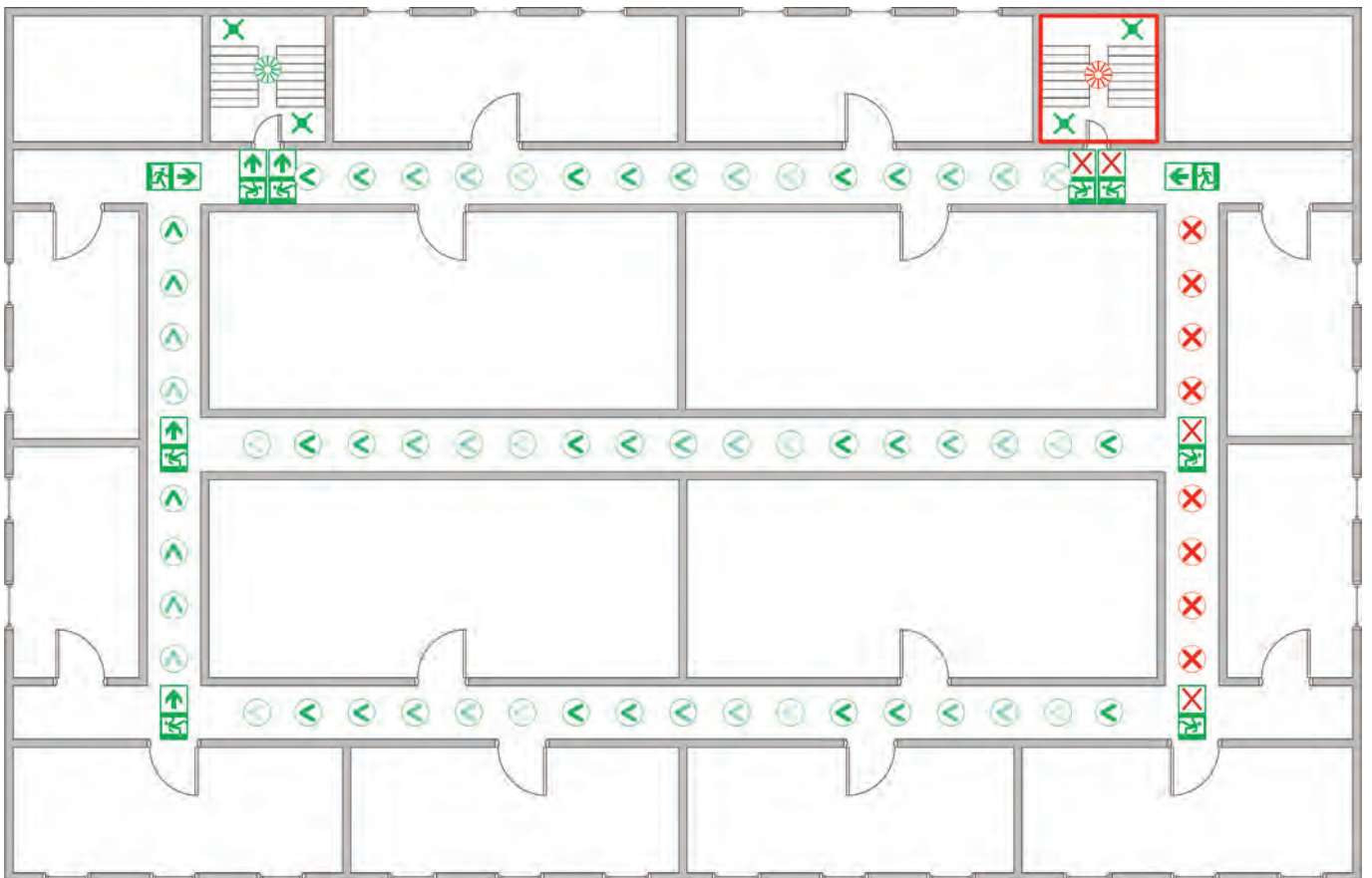
FIRE EXIT SIGN

| LG24 | IP65 | □ |

392x175x60mm

Dynamic emergency luminaire for exiting high-risk areas. The connection with the LG24 Control Unit, which interfaces with the sensors of the fire fighting system, makes it possible to determine the escape route with the lowest risk index in the event of smoke or fire. This luminaire makes it possible to drastically reduce the risk to people during emergency escape in the event of a fire.

DANGER SITUATION ON THE RIGHT
The LG24 Dynamic system **indicates the escape route to the left**

DANGEROUS SITUATION ON THE LEFT
The LG24 Dynamic system **indicates the escape route to the right**

SERIOUS DANGER SITUATION
The LG24 Dynamic system **blocks access to hazardous areas**.

	Order Code	W eq.	Description	DC power input W	Weight Kg	Packaging	
LG24	34000	24	LGS24 DYNAMIC FIRE EXIT SIGN	2.8	2.8	6	DYNAMIC

FIRE EXIT STEP SIGN

| LG24 | IP65 | □ |

Ø140, Ø90, H120mm

Dynamic emergency luminaire for exiting high-risk areas. The connection with the LG24 Control Unit, which is interfaced with the sensors of the fire fighting system, makes it possible to determine the escape route with the lowest risk index. This luminaire, which drastically reduces the risk to people in the event of a fire, can be installed on the ground, even where great strength is required, such as tunnels or basements. Its positioning makes it possible to detect the output signal even when the smoke does not allow the signals above to be seen.

	Order Code	W eq.	Description	DC power input W	Weight Kg	Packaging	
LG24	34002	24	LGS24 DYNAMIC FIRE EXIT STEP SIGN	1.6	1.1	6	DYNAMIC

Emergency power supply units

IP21   +40°C -0°C

⭐ SOCC.CA SE/SA emergency power supply units are characterised by a high input power factor, high efficiency and reliability, and are supplied with two outputs: SA, to supply a permanent load, and SE supplied only in the event of a failure on the mains. In the event of a blackout, voltage will be supplied to both outputs by the inverter drawing current from the battery pack. If the mains voltage repeatedly goes out of specification (3 times in 2 minutes) the emergency power supply unit will work as a UPS until the mains returns to normal for at least 30 minutes; this ensures power quality to the load.

The emergency power supply units are equipped with LCD displays and monitoring software.

Wide range to meet all requirements with powers available from 1000VA to 10kVA. The battery packs are contained in external pieces of furniture and can be composed to achieve the desired autonomy.

BOX FOR HOUSING EXTERNAL BATTERY PACKS

Line equipped with an external battery pack housed in a matt black powder-coated sheet metal box with a design coordinated with the control unit of the emergency power supply unit. Access to the batteries is provided by tilting doors with air intakes designed for cooling. The Box is available in 3 sizes to meet all system requirements.

Order Code	Dimensions of the emergency power supply unit mm			Box dimensions mm		
	L	B	H	L	B	H
17700,17701	145	400	220	450	450	610
17702	145	400	220	780	450	610
17703	192	460	347	450	450	610
17704,17705, 17706, 17707, 17708	192	460	347	780	450	610
17709, 17710, 17711, 17712, 17713, 17714, 17715, 17716, 17717, 17718, 17719, 17720	260	550	708	950	470	1190

	1KVA	2KVA	3KVA	4KVA	6KVA	8KVA	10KVA
VA/W	1000/800	2000/1600	3000/2400	4000/3600	6000/5400	8000/7200	10000/9000
PHASE	Single-phase + earth						
VOLTAGE	178~275VAC						
FREQUENCY	46~54Hz / 56~64Hz						
POWER FACTOR	≥0.98						
CONNECTION	Three-pole mains cable with Schuko plug				Terminal block		
VOLTAGE	208/220/230/240VAC ±2%						
WAVE FORM	Sinusoidal						
HARMONIC DISTORTION	THD<5%						
FREQUENCY	46~54Hz / 56~64Hz Synchronised						
	50/60 ±0.1Hz from the battery						
CREST FACTOR	3:1 max						
CONNECTION	1 Schuko (SA output) Schuko (SE output)	2 Schuko + Terminal block (SA output) Schuko (SE output)	2 Schuko + Terminal block (SA output) Schuko (SE output)	Terminal block			
NO NETWORK	<20ms						
INVERTER	<20ms						
FROM THE NETWORK	87% - 89%						
FROM THE BATTERY	81% - 84% - 86%						
TYPE	12V sealed Pb						
NUMBER	Depending on model*						
AUTONOMY	Depends on battery						
LOAD	Depends on battery						
FROM THE NETWORK	60s @ 100%~130%						
FROM THE BATTERY	10s @ 100%~130%						
NOISE	<50dB @ 1m						

	Order Code	Description	Power VA	Active power W	Power according to the EN50171 standard W	Battery	No. of batteries	Autonomy h
HT230	17700	SOCC.CA SE/SA 1KVA 1P 1ELM	1000	800	670	PB 12V 55Ah	3	1
	17701	SOCC.CA SE/SA 1KVA 2P 1ELM	1000	800	670	PB 12V 85Ah	3	2
	17702	SOCC.CA SE/SA 1KVA 3P 1ELM	1000	800	670	PB 12V 120Ah	3	3
	17703	SOCC.CA SE/SA 2KVA 1P 1ELM	2000	1600	1300	PB 12V 33Ah	8	1
	17704	SOCC.CA SE/SA 2KVA 2P 1ELM	2000	1600	1300	PB 12V 55Ah	8	2
	17705	SOCC.CA SE/SA 2KVA 3P 1ELM	2000	1600	1300	PB 12V75Ah	8	3
	17706	SOCC.CA SE/SA 3KVA 1P 1ELM	3000	2400	2000	PB 12V 55Ah	8	1
	17707	SOCC.CA SE/SA 3KVA 2P 1ELM	3000	2400	2000	PB 12V 80Ah	8	2
	17708	SOCC.CA SE/SA 3KVA 3P 1ELM	3000	2400	2000	PB 12V 120Ah	8	3
	17709	SOCC.CA SE/SA 4KVA 1P 1ELM	4000	3600	3000	PB 12V 28Ah	20	1
	17710	SOCC.CA SE/SA 4KVA 2P 1ELM	4000	3600	3000	PB 12V 55Ah	20	2
	17711	SOCC.CA SE/SA 4KVA 3P 1ELM	4000	3600	3000	PB 12V 70Ah	20	3
	17712	SOCC.CA SE/SA 6KVA 1P 1ELM	6000	4800	4000	PB 12V 40Ah	20	1
	17713	SOCC.CA SE/SA 6KVA 2P 1ELM	6000	4800	4000	PB 12V 70Ah	20	2
	17714	SOCC.CA SE/SA 6KVA 3P 1ELM	6000	4800	4000	PB 12V 100Ah	20	3
	17715	SOCC.CA SE/SA 8KVA 1P 1ELM	8000	6600	5500	PB 12V 55Ah	20	1
	17716	SOCC.CA SE/SA 8KVA 2P 1ELM	8000	6600	5500	PB 12V 85Ah	20	2
	17717	SOCC.CA SE/SA 8KVA 3P 1ELM	8000	6600	5500	PB 12V 134Ah	20	3
	17718	SOCC.CA SE/SA 10KVA 1P 1ELM	10000	8400	7000	PB 12V 70Ah	20	1
	17719	SOCC.CA SE/SA 10KVA 2P 1ELM	10000	8400	7000	PB 12V 120Ah	20	2
	17720	SOCC.CA SE/SA 10KVA 3P 2ELM	10000	8400	7000	PB 12V 80Ah	2x20*	3

* 2 BOXES per battery pack

CENTRALISED BATT.

Key to symbols

GENERAL CHARACTERISTICS: MEANING OF SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
NUBe	Single cloud platform for the remote management of all lighting and emergency lighting systems.		Hybrid emergency lighting luminaires from the SanificaAria series, incorporating a UV-C flow cell air sanitisation system.
B	Control Unit or Luminaire manageable directly by from the B.connect APP: it enables optical communications to the luminaire and local WiFi connections to the control unit. It also allows direct access to the NUBe cloud platform.	A	Luminaires from the ArchiEco series, an emergency range with a particularly evolved design, intended for the world of lighting designers and made from entirely renewable and compostable raw materials.
RM	Device for enabling the Rest Mode function on emergency luminaires	☆	General description defining the type of luminaire.
SE	Emergency fixtures for **non-permanent** lighting		Luminaires with special features for versatility of use.
SA	Emergency fixtures for **permanent** lighting		Luminaires with special lighting characteristics. High luminous flux and beam control.
TR	Self-contained luminaires without diagnostics.		Luminaires with special mounting solutions, in terms of installation speed and/or multiple connections or through-wiring.
AT	Self-contained luminaires with local diagnostics, AutoTest series.		Luminaires with a motion sensor for automatic lighting activation.
AT-OPT	Self-contained luminaires with local AutoTest diagnostics and Opticom optical programming technology. Using the Beghelli Opticom APP, which can be downloaded from the various stores, it is possible to control and program the luminaires. By integrating the corresponding LG or LGFM modules, the luminaire switches from local Autotest (AT) diagnostics to centralised CentralTest diagnostics.		Luminaires suitable for architectural applications, with a surface treatment that allows them to be painted with normal wall paints.
AT-CBL	Self-contained luminaires with local AutoTest diagnostics prepared for expansion into CentralTest central diagnostics, with only the integration of the Cablecom (CBL) control unit into the system, without additional modifications. As soon as it is power supplied, the CBL Control Unit automatically connects with and takes control over the AT-CBL luminaires.	↑	Laser module for projecting safety signs on the ground. The optional device can be integrated into certain prepared luminaires (DOT, IRON FLAG)
LG	Self-contained luminaires with centralised diagnostics via BUS Logica (LG). If the LG Control Unit is not present, the luminaires are configured in AT mode.	IP66	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.
LGFM	Self-contained luminaires with centralised radio diagnostics and remote control from an LGFM Control Unit. If the Control Unit is not present, the luminaires are configured in AT mode.	IK09	Protection rating against impact according to EN 50102.
DALI	Emergency luminaires interfaced with DALI communication BUS.	850°	Resistance temperature of the luminaire at the Glow Wire Test according to IEC EN 60598-1.
LG230	Emergency luminaires with centralised 230V power supply. Diagnostics and control of the centralised luminaires.	▣	Luminaires in which protection against electric shock is guaranteed by an Insulation Class II built.
LG24	Emergency luminaires with centralised 24V power supply. Diagnostics and control of the centralised luminaires.	+40°C 0°C	General temperature range in which the luminaire maintains correctly its characteristics. For details of the characteristics of each individual product, please refer to the electronic catalogue at www.beghelli.it.
HT230	Emergency luminaires with centralised power supply, without diagnostics.		European quality label. Voluntary certification to testify to the quality of the product and the production chain.
TITANIUM BATTERY 10 YEARS WARRANTY	Luminaires with an LTO Lithium Battery. Thanks to the special features of the battery, these luminaires come with a 10-year warranty for all components, including the battery.	Ex	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**.

Analytical index

LUMINAIRES

* For the commercial conditions, please contact the Beghelli sales network

Analytical index

LUMINAIRES

Order Code	Price €	Page	Order Code	Price €	Page	Order Code	Price €	Page
17900	203.28	087	19338	179.37	049	19620	176.55	077
17901	221.76	087	19339	197.62	049	19621	241.73	077
17902	402.04	083	19355L	134.20	095	19622	275.58	077
17903	451.09	083	19358	78.51	093	19623	339.35	077
17904	300.43	083	19359	101.27	093	19700	140.65	081
17908	354.64	085	19367	91.35	093	19711	190.01	081
17909	354.64	085	19368	207.52	093	19712	237.53	081
17910	360.36	085	19370	251.12	065	19800	157.30	087
17911	120.00	089	19371	118.66	093	19801	170.52	087
17912	144.00	089	19373	212.67	093	19802	188.76	087
17913	460.50	089	19378	473.47	065	19803	204.61	087
17914	120.00	089	19390	163.23	097	19810	208.18	087
17915	144.00	089	19391	147.69	097	19811	221.37	087
17916	460.50	089	19410	307.96	013	19812	239.41	087
17917	105.00	089	19411	346.46	013	19813	254.56	087
17918	126.00	089	19420	158.85	045	31053	341.64	063
17919	402.94	089	19421	279.83	045	31054	273.31	063
18200	398.74	083	19430	105.98	025	31090	240.00	053
18201	469.14	083	19430UV	269.39	073	31092	147.40	053
18400	337.41	085	19431	115.23	025	31099	243.05	013
18401	446.55	085	19431UV	278.37	073	31112	208.36	065
19200	122.89	025	19432	165.84	025	31113	166.69	065
19201	150.58	025	19432UV	327.51	073	31120	233.72	013
19202	163.66	025	19433	177.08	025	31121	145.00	045
19203	228.68	025	19433UV	338.42	075	31122	151.40	026
19204	302.01	025	19434	277.16	026	31123	204.00	045
19205	334.66	025	19435	310.43	026	31124	129.03	026
19206	171.73	025	19450	80.34	017	31125	133.33	026
19207	245.06	025	19450UV	244.50	075	31140	201.29	013
19208	310.24	025	19451	172.46	017	31141	214.83	013
19209	375.44	025	19451UV	333.94	075	31150	137.63	026
19210	269.48	025	19452	94.09	017	31170	161.81	017
19211	368.76	025	19452UV	257.85	075	31171	201.85	017
19212	378.71	025	19453	200.08	017	31172	207.84	021
19213	465.09	025	19453UV	360.75	075	31174	110.32	017
19290	165.64	025	19454	180.00	017	31175	107.13	017
19291	180.51	025	19455	210.00	017	31176	166.27	021
19292	261.46	025	19460	248.75	017	31208	264.00	053
19293	326.01	025	19460UV	408.00	075	31210	162.14	053
19294	282.25	025	19461	275.78	021	32055	341.64	063
19295	333.67	025	19470	301.74	017	32067	220.00	053
19296	407.56	025	19471	323.37	021	32083	208.36	065
19320	100.16	047	19600	73.11	077	32089	210.35	013
19328	179.37	047	19601	87.73	077	32090	130.00	045
19329	197.62	047	19602	108.93	077	32091	151.40	026
19330	100.16	049	19603	138.20	077	32092	273.31	063

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LUMINAIRES

Order Code	Price €	Page
32093	150.00	045
32094	116.13	026
32096	167.23	013
32110	139.01	017
32111	192.14	017
32112	247.43	021
32122	242.00	053
37126	259.56	053
37127	304.31	053
37128	372.01	053
37236	285.52	053
37237	334.75	053
37238	409.21	053
81143	50.90	061
81144	52.90	061
R0818	152.31	025
R1124	162.94	025
R1124SA	257.08	025
R2436	248.62	025
R2436SA	322.91	025

ACCESSORY

Order Code	Price €	Page
2741	9.07	033
2742	9.76	029
2751	20.74	029, 031
3723	6.27	018, 022, 029, 031, 071, 075
3727	6.98	031, 035, 045
3733	13.16	040, 043, 069, 079
3893	4.97	031
3903	37.22	037, 077
3905	98.18	033, 035, 063
3912	46.45	014,018,022,026,029,031,040, 043,069
4112	16.18	040
4117	4.97	029, 071
4124	46.66	029, 071
4125	46.66	029, 071
4126	46.66	029, 071
4265	38.76	040, 043, 079
4266	30.97	040,043, 069, 079
4267	62.00	040, 043, 079
4268	62.00	040, 043, 079
4269	16.09	040, 043, 069, 079
4278	8.22	040, 043, 069, 079
4312	41.56	089
4313	45.12	089
4315	68.89	018, 022, 075, 089
4316	77.19	018, 022, 075, 089
4317	86.70	018, 022, 075, 089
4318	7.00	037
4319	47.51	037, 077, 089, 091
4325	19.44	033
4326	9.06	037
4329	6.40	077
4681	72.66	018,075
4682	6.40	018,075
4683	12.98	022,018
4685	19.47	020,018, 075
4686	20.03	018, 075
4687	27.58	018, 022
11593	12.31	033, 035
11594	12.31	033, 035
11595	12.31	033, 035
12175	19.52	014
12176	19.52	014
12177	19.52	014
12178	20.85	014
12179	13.59	014
12180	22.10	014

Order Code	Price €	Page
12199	20.37	014
12941	9.55	045
12942	16.92	045
12943	20.29	045
14771	23.00	089
15043	37.85	066
15044	75.17	066
15048	10.00	029, 031
19040	15.05	026
19041	50.77	026
19042	53.66	026, 073
19043	53.66	026, 073
19044	6.62	026, 073
19045	10.16	026, 089, 073
19046	59.37	063
19048	17.81	026
19049	54.63	026
19064	103.88	063
19376	55.97	095, 097
19880	60.00	087
19881	70.00	087
19882	46.35	087
19883	59.23	081
19884	71.28	087
20155	15.00	018,022
20156	16.00	018,022
26723	90.00	071, 073, 075
26724	88.00	069
81236	6.70	061
81237	6.70	061
81296E	23.10	061
F95807	15.00	047, 049
F95808	15.00	047, 049
F95815	15.00	047, 049
F95819	10.00	047, 049
RA01	12.26	026
RA04	47.01	018, 014, 022, 045
RA05	24.52	045
RA06	17.73	026, 095
RA07	69.00	097
RA08	36.00	063, 097

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Analytical index

CONTROL SYSTEMS

Order Code	Price €	Page	Order Code	Price €	Page	Order Code	Price €	Page
2730	188.36	026,031,037,051,081,083, 085,091,089	17606	6,300.00	113	17658	24,000.00	115
12100C	1,000.00	101	17610	6,500.00	113	17659	23,500.00	115
12101	327.59	107	17611	6,650.00	113	17660	23,950.00	115
12128C	1,400.00	103	17612	6,450.00	113	17661	24,400.00	115
12131C	2,300.00	101	17613	7,650.00	113	17662	24,550.00	115
15036	45.88	105	17614	7,785.00	113	17663	25,050.00	115
15037	69.39	105	17615	7,965.00	113	17664	25,550.00	115
15038	81.94	105	17616	9,115.00	113	17665	26,500.00	115
15047	74.11	105	17617	9,300.00	113	17666	27,000.00	115
17060	2,700.00	124	17618	8,980.00	113	17667	27,500.00	115
17061	3,000.00	124	17620	8,650.00	114	17668	27,000.00	115
17062	4,000.00	124	17621	8,350.00	114	17669	27,500.00	115
17063	4,400.00	124	17622	8,550.00	114	17670	28,000.00	115
17064	2,700.00	116	17623	9,500.00	114	17671	35,000.00	115
17065	4,300.00	124	17624	9,700.00	114	17672	35,750.00	115
17066	4,900.00	124	17625	9,500.00	114	17673	36,500.00	115
17075	4,500.00	125	17626	10,300.00	114	17674	40,000.00	115
17076	5,500.00	125	17627	10,500.00	114	17675	40,500.00	115
17077	4,900.00	125	17628	10,800.00	114	17676	41,250.00	115, 126
17078	6,400.00	125	17629	11,500.00	114	17680	4,500.00	116
17206N	103.00	126	17630	11,700.00	114	17681	5,250.00	116
17207	242.05	119,126	17631	12,000.00	114	17682	6,500.00	116
17208	262.65	119,126	17632	12,600.00	114	17685	1,550.00	117
17210	116.26	126	17633	12,850.00	114	17686	2,550.00	117
17220	90.86	126	17634	13,500.00	114	17700	2,576.12	133
17226	87.55	119,126	17635	15,000.00	114	17701	*	133
17230	164.80	117, 126	17636	15,300.00	114	17702	*	133
17231	180.25	117, 126	17637	15,600.00	114	17703	3,864.17	133
17232	412.00	119	17638	16,500.00	114	17704	*	133
17233	412.00	119	17639	16,850.00	114	17705	*	133
17234	442.90	119	17640	17,200.00	114	17706	5,152.23	133
17235	412.00	119	17641	19,000.00	114	17707	*	133
17236	40.50	117	17642	19,400.00	114	17708	*	133
17237	29.87	119	17643	19,750.00	114	17709	7,728.34	133
17240	1,431.70	119,126	17644	20,500.00	114	17710	*	133
17381	81.77	118	17645	20,900.00	114	17711	*	133
17382	74.16	118	17646	21,350.00	114	17712	9,016.40	133
17383	81.37	118	17650	20,500.00	115	17713	*	133
17384	566.50	119	17651	21,000.00	115	17714	*	133
17385	105.00	119	17652	21,350.00	115	17715	11,592.52	133
17601	5,185.00	113	17653	21,900.00	115	17716	*	133
17602	5,345.00	113	17654	22,350.00	115	17717	*	133
17603	5,600.00	113	17655	22,750.00	115	17718	15,456.69	133
17604	5,650.00	113	17656	23,250.00	115	17719	*	133
17605	6,165.00	113	17657	23,650.00	115	17720	*	133

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CONTROL SYSTEMS

Order Code	Price €	Page
19375	67.16	105
20151	173.04	099
20157	1,100.00	099, 101,103
21102	1,400.00	105
34000	638.40	131
34002	560.00	131
RA09	39.24	117

Spare batteries

BATTERIES FOR SELF-CONTAINED EMERGENCY LUMINAIRES

Order code Luminaires	Order code battery	Description battery	Order code Luminaires	Order code battery	Description battery	Order code Luminaires	Order code battery	Description battery
250ATSA	415419001	LTO 4.8V 1.2Ah	4304	415399001	NiMh 3.6V 1.5Ah	12184	415139000	Pb 6V 4Ah
250ATSE	415419001	LTO 4.8V 1.2Ah	4320	415401001	NiCd 3.6V 0.75Ah	12184FM	415139000	Pb 6V 4Ah
250ATSAUV	415436001	LiFe 3.2V 1.5Ah	4321	415098001	NiMH 3.6V 1.2Ah	12185	415409001	NiMh 7.2V 2.5Ah
250ATSEUV	415436001	LiFe 3.2V 1.5Ah	4322	415098001	NiMH 3.6V 1.2Ah	12185FM	415409001	NiMh 7.2V 2.5Ah
250SA	415436001	LiFe 3.2V 1.5Ah	4330	415436001	LiFe 3.2V 1.5Ah	12186	415409001	NiMh 7.2V 2.5Ah
250SE	415436001	LiFe 3.2V 1.5Ah	4331	415436001	LiFe 3.2V 1.5Ah	12186FM	415409001	NiMh 7.2V 2.5Ah
250SAUV	415436001	LiFe 3.2V 1.5Ah	4334	415436001	LiFe 3.2V 1.5Ah	12187	415409001	NiMh 7.2V 2.5Ah
250SEUV	415436001	LiFe 3.2V 1.5Ah	4335	415441001	LiFe 3.2V 3Ah	12187FM	415409001	NiMh 7.2V 2.5Ah
500ATSA	415441001	LiFe 3.2V 3Ah	4370	415417001	LTO 4.8V 0.5Ah	1499	415438001	Pb 4V 3Ah
500ATSE	415441001	LiFe 3.2V 3Ah	4371	415420001	LTO 4.8V 1Ah	1499/24	415438001	Pb 4V 3Ah
500ATSAUV	415441001	LiFe 3.2V 3Ah	4372	415417001	LTO 4.8V 0.5Ah	1499L	415441001	LiFe 3.2V 3Ah
500ATSEUV	415441001	LiFe 3.2V 3Ah	4373	415420001	LTO 4.8V 1Ah	1499LUV	415436001	LiFe 3.2V 1.5Ah
500SA	415441001	LiFe 3.2V 3Ah	4380	415423001	LTO 7.2V 0.5AH	15030	415391001	NiMh 7.2V 1.2Ah
500SE	415441001	LiFe 3.2V 3Ah	4381	415433001	2 x LTO 7.2V 0.5Ah	15032	415444001	LiFe 12.8V 1.5Ah
500SAUV	415441001	LiFe 3.2V 3Ah	4390	415432001	LTO 7.2V 0.5AH	18400	415436001	LiFe 3.2V 1.5Ah
500SEUV	415441001	LiFe 3.2V 3Ah	4391	415432001	LTO 7.2V 0.5AH	18401	415433001	2x LTO 7.2V 0.5AH
824BA	415049103	NiCd 3.6V 0.75Ah	4393	415432001	2 x LTO 7.2V 0.5Ah	19200	415072301	NiCd 3.6V 0.75Ah
824L	415098001	NiMH 3.6V 1.2Ah	4400	415437001	LiFe 3.2V 0.5Ah	19201	415097001	NiMH 3.6V 1.2Ah
824LSA	415098001	NiMH 3.6V 1.2Ah	4401	415436001	LiFe 3.2V 1.5Ah	19202	415072301	NiCd 3.6V 0.75Ah
824M	415049103	NiCd 3.6V 0.75Ah	4402	415441001	LiFe 3.2V 3Ah	19203	415097001	NiMH 3.6V 1.2Ah
824MSA	415049103	NiCd 3.6V 0.75Ah	4403	415437001	LiFe 3.2V 0.5Ah	19204	415072301	NiCd 3.6V 0.75Ah
824S	415049103	NiCd 3.6V 0.75Ah	4404	415436001	LiFe 3.2V 1.5Ah	19205	415097001	NiMH 3.6V 1.2Ah
4101	415072301	NiCd 3.6V 0.75Ah	4405	415441001	LiFe 3.2V 3Ah	19206	415072301	NiCd 3.6V 0.75Ah
4102	415072301	NiCd 3.6V 0.75Ah	4601	415170001	Li-ion 3.2V 0.1Ah	19207	415097001	NiMH 3.6V 1.2Ah
4103	415072301	NiCd 3.6V 0.75Ah	4602	415268001	NiCd 2.4V 0.4Ah	19208	415072301	NiCd 3.6V 0.75Ah
4104	415097001	NiMH 3.6V 1.2Ah	4603	415268001	NiCd 2.4V 0.4Ah	19209	415097001	2 x NiMH 3.6V 1.2Ah
4105	415072301	NiCd 3.6V 0.75Ah	4605	415269001	NiCd 4.8V 0.4Ah	19210	415072301	2 x NiCd 3.6V 0.75Ah
4106	415097001	NiMH 3.6V 1.2Ah	4607	415278000	LiFe 3.2V 0.2Ah	19211	415097001	2 x NiMH 3.6V 1.2Ah
4107	415072301	2 x NiCd 3.6V 0.75Ah	4609	415416001	NiCd 3.6V 0.4Ah	19212	415072301	2 x NiCd 3.6V 0.75Ah
4108	415072301	2 x NiCd 3.6V 0.75Ah	4611	415421001	NiCd 3.6V 0.4Ah	19213	415097001	NiMH 3.6V 1.2Ah
4109	415097001	2 x NiMH 3.6V 1.2Ah	4612	415277001	NiCd 3.6V 0.4Ah	19290	415419001	LTO 4.8V 1.2Ah
4110	415072301	2 x NiCd 3.6V 0.75Ah	8584	415444001	LiFe 9.6V 1.5Ah	19291	415419001	LTO 4.8V 1.2Ah
4111	415097001	2 x NiMH 3.6V 1.2Ah	8585	415444001	LiFe 9.6V 1.5Ah	19292	415419001	2 x LTO 4.8V 1.2Ah
4200	415418001	LTO 4.8V 0.5Ah	8586	415444001	LiFe 9.6V 1.5Ah	19293	415419001	2 x LTO 4.8V 1.2Ah
4201	415418001	LTO 4.8V 0.5Ah	8587	415444001	LiFe 9.6V 1.5Ah	19294	415419001	LTO 4.8V 1.2Ah
4202	415418001	2 x LTO 4.8V 0.5Ah	8590	415444001	LiFe 9.6V 1.5Ah	19295	415419001	2 x LTO 4.8V 1.2Ah
4203	415418001	LTO 4.8V 0.5Ah	8591	415444001	LiFe 9.6V 1.5Ah	19296	415419001	2 x LTO 4.8V 1.2Ah
4204	415418001	2 x LTO 4.8V 0.5Ah	8592	415444001	LiFe 9.6V 1.5Ah	19328	415432001	LTO 7.5V 0.5Ah
4290A	415097001	NiMH 3.6V 1.2Ah	8593	415444001	LiFe 9.6V 1.5Ah	19329	415432001	2 x LTO 7.5V 0.5Ah
4291A	415097001	NiMH 3.6V 1.2Ah	8594	415444001	LiFe 9.6V 1.5Ah	19338	415432001	LTO 7.2V 0.5AH
4292A	415097001	NiMH 3.6V 1.2Ah	8595	415444001	LiFe 9.6V 1.5Ah	19339	415432001	2 x LTO 7.2V 0.5Ah
4293A	415097001	2 x NiMH 3.6V 1.2Ah	8596	415444001	LiFe 9.6V 1.5Ah	19355L	415444001	LiFe 9.6V 1.5Ah HT
4300	415049103	NiCd 3.6V 0.75Ah	12182	415139000	Pb 6V 4Ah	19358	415414001	NiCd 7.2V 0.75Ah
4301	415098001	NiMH 3.6V 1.2Ah	12182FM	415139000	Pb 6V 4Ah	19359	415415001	NiMH 7.2V 1.5Ah
4302	415399001	NiMh 3.6V 1.5Ah	12183	415139000	Pb 6V 4Ah	19367	415414001	NiCd 7.2V 0.75Ah
4303	415098001	NiMH 3.6V 1.2Ah	12183FM	415139000	Pb 6V 4Ah	19368	415415001	NiMH 7.2V 1.5Ah

Order code Luminaires	Order code battery	Description battery	Order code Luminaires	Order code battery	Description battery
19370	415419001	2 x LTO 4.8V 1.2Ah	19800	415436001	LiFe 3.2V 1.5Ah
19371	415415001	NiMH 7.2V 1.5Ah	19801	415436001	LiFe 3.2V 1.5Ah
19373	415415001	NiMH 7.2V 1.5Ah	19802	415436001	LiFe 3.2V 1.5Ah
19378	415462001	LiFe 12.8V 3Ah	19803	415436001	LiFe 3.2V 1.5Ah
19390	415439001	LTO 14.4V 1.2Ah	19810	415433001	LTO 7.2V 0.5AH
19391	415440001	LiFe 12.8V 1.5Ah HT	19811	415433001	2 x LTO 7.2V 0.5Ah
19410	415442001	2 x LTO 9.6V 1.2Ah	19812	415433001	LTO 7.2V 0.5AH
19411	415442001	2 x LTO 9.6V 1.2Ah	19813	415433001	2 x LTO 7.2V 0.5Ah
19420	415443001	2 x LTO 9.6V 0.5Ah	37126	415432001	2 x LTO 7.2V 0.5Ah
19421	415442001	2 x LTO 9.6V 1.2Ah	37127	415432001	2 x LTO 7.2V 0.5Ah
19430	415444001	LiFe 9.6V 1.5Ah	37128	415432001	2 x LTO 7.2V 0.5Ah
19430UV	415419001	2x LTO 4.8V 1.2Ah	37236	415432001	2 x LTO 7.2V 0.5Ah
19431	415444001	LiFe 9.6V 1.5Ah	37237	415432001	2 x LTO 7.2V 0.5Ah
19431UV	415419001	2x LTO 4.8V 1.2Ah	37238	415432001	2 x LTO 7.2V 0.5Ah
19432	415444001	LiFe 9.6V 1.5Ah	81143	81296E	Li-ion 3.7V 0.5Ah
19432UV	415419001	2x LTO 4.8V 1.2Ah	81144	81296E	Li-ion 3.7V 0.5Ah
19433	415444001	LiFe 9.6V 1.5Ah	R0818	415072301	NiCd 3.6V 0.75Ah
19433UV	415419001	2x LTO 4.8V 1.2Ah	R1124	415072301	NiCd 3.6V 0.75Ah
19434	415444001	LiFe 9.6V 1.5Ah	R1124SA	415072301	NiCd 3.6V 0.75Ah
19435	415444001	LiFe 9.6V 1.5Ah	R2436	415097001	NiMH 3.6V 1.2Ah
19450	415418001	LTO 4.8V 0.5Ah	R2436SA	415097001	NiMH 3.6V 1.2Ah
19450UV	415418001	LTO 4.8V 0.5Ah			
19451	415419001	LTO 4.8V 1.2Ah			
19451UV	415419001	LTO 4.8V 1.2Ah			
19452	415418001	LTO 4.8V 0.5Ah			
19452UV	415418001	LTO 4.8V 0.5Ah			
19453	415419001	LTO 4.8V 1.2Ah			
19453UV	415419001	LTO 4.8V 1.2Ah			
19454	415419001	2 x LTO 4.8V 1.2Ah			
19455	415419001	2 x LTO 4.8V 1.2Ah			
19460	415419001	2 x LTO 4.8V 1.2Ah			
19460UV	415419001	2 x LTO 4.8V 1.2Ah			
19461	415419001	2 x LTO 4.8V 1.2Ah			
19470	415442001	2 x LTO 9.6V 1.2Ah			
19471	415442001	2 x LTO 9.6V 1.2Ah			
19600	415437001	LiFe 3.2V 0.5Ah			
19601	415457001	LiFe 3.2V 1.5Ah			
19602	415437001	LiFe 3.2V 0.5Ah			
19603	415457001	LiFe 3.2V 1.5Ah			
19620	415417001	LTO 4.8V 0.5Ah			
19621	415420001	LTO 4.8V 1Ah			
19622	415417001	LTO 4.8V 0.5Ah			
19623	415420001	LTO 4.8V 1Ah			
19700	415436001	LiFe 3.2V 1.5Ah			
19711	415432001	2 x LTO 7.2V 0.5Ah			
19712	415440001	LiFe 12.8V 1.5Ah			

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 end-of-life management of the product 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 · IQNet CERTIFIED MANAGEMENT SYSTEM · CSQ eco UNI EN ISO 14001 · ECO POLIETILENE Consorzio per la raccolta di beni in polietilene · SISTEMA ECOLIGHT · UNI ·

Dealer IMQ mark · Partner DIALux · Associate: ANIE · Assil ·

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

l ighting

twenty-one

REVERSO

Beghelli

Let's start embracing the Earth again

Since 1982, we have been focusing on the interaction between technology and safety, a concept that has evolved up to now, and which for us translates into offering people the opportunity to enjoy a healthy and peaceful working and living environment.

LIGHT, the core of our business, now integrates more than ever those elements of well-being, safety and respect for the environment, which are the values and mission of our company.

We work directly with industrial and commercial entities in 9 different countries, and we distribute products in other 100 countries, safeguarding the human rights and equal opportunities of our collaborators.

Our passion for innovation, research and services translates into a technological offer that is ever closer to people's needs, while safeguarding the planet. Products such as the Salvalavita, the LED emergency luminaires and high energy-saving lighting are just a few examples.

We strongly believe that the only possible future is through respect for the environment. This is why we have a certified environmental management system.

This is why "ArchiEco", an architectural emergency range made of technopolymers of organic origin. This is why Titanium dioxide batteries, with a service life of up to 10 years, more than double that of conventional batteries.

This is why intelligent luminaires, with energy savings of up to 30% compared to standard LED luminaires.

This is why "SanificaAria", a technology capable of fighting Covid-19 as well as other flu viruses and bacteria, integrated, through a worldwide patent, even into a range of hybrid luminaires for lighting and emergency lighting.

In the years to come we will all have to think differently and act urgently to build a more sustainable future.

We will continue to strive to come up with innovations that help protect the safety of people and the environment in which we live and future generations will live.

The Beghelli SavePlanet project

Luminaire selection guide ▶

professional

l i g h t i n g

twenty-one

Beghelli

Subject index

Luminaire selection guide

Luminaire selection guide

Legend: ✓ = green marker ● ; ◐ = yellow marker

FAMILY LUMINAIRES LIGHTING	PAGE	Standard (ED)	Adjustable (RD)	DALI	SD RADIO	SD -X-	Temp. colour change (CCT/HCL)	Multioptics (SIM/ASIM and/or DIFF/CONC/ELLIT)	SanificaAria	Autodimmer (NATURL LIGHT)	Inverter (MODULO PLUG&LIGHT)	INDOOR	OUTDOOR	RECESSED	CEILING
LED PANEL RTI	012			✓	✓		✓		✓	✓	✓	✓		✓	✓
MODULO 60X60 SanificaARIA	016				✓				✓			✓		✓	✓
LENS PANEL	022	✓		◐		✓				✓	✓	✓		✓	✓
LED PANEL	026	✓		◐		✓				✓	✓	✓	✓	✓	✓
I 418	032			◐		✓				✓	✓	✓		✓	✓
DOWNLIGHT IP54	034	✓		◐		✓				◐	✓	✓		✓	
FUNZIONE3	036	✓				✓	✓	✓		✓	✓	✓		✓	✓
RAIL SYSTEM IRON	040	✓			✓					◐		✓			
LENS FILA	046	✓		◐		✓				✓	✓	✓			✓
P236/258	050			◐		✓				✓	✓	✓			✓
BS100	052		✓	◐		✓				✓	✓	✓	✓		✓
ACCIAIO	056		✓	◐		✓				✓	✓	✓	✓		✓
ACCIAIO EXTREME	060			◐		✓				✓	✓	✓	✓		✓
BS240	062	✓		◐		✓				✓	✓	✓	✓		✓
FLOOD MINI	066	✓						✓				✓	✓		
FH-M	068		✓	✓	✓			✓		✓		✓	✓		✓
FH-L	072		✓	✓	✓			✓		✓		✓	✓		✓
POWER LIGHT	076	✓		✓	✓									✓	
H-PRO	078		0-10V	✓	✓					✓		✓	✓		✓
HIGHBAY HP	082	✓			✓			◐				✓	✓		✓
STRADA	084			◐		✓								✓	
CENTRO STRADA	088			◐		✓									

Column group headers — RECESSED (LED PANEL RTI, MODULO 60X60 SanificaARIA, LENS PANEL, LED PANEL, I 418); DOWNLIGHT (DOWNLIGHT IP54, FUNZIONE3); SYSTEMS (RAIL SYSTEM IRON, LENS FILA, P236/258); WATERPROOF (BS100, ACCIAIO, ACCIAIO EXTREME, BS240); FLOODLIGHTS (FLOOD MINI, FH-M, FH-L, POWER LIGHT); HIGH BAY LIGHTS (H-PRO, HIGHBAY HP); STREET LIGHTING (STRADA, CENTRO STRADA).

VERSION · MOUNTING

lighting

		APPLICATIONS										POWER MAX W	LED MAX lm	BRIGHTNESS (no auto-dimmer) lm/W	CHROMATIC YIELD CRI	BEAM CONTROL UGR
		Industry			Services											
SUSPENDED	POLE MOUNT	ATEX	NORMAL	LOGISTICS	SCHOOLS	HOSPITALS	SHOPPING CENTRES	HOTELS	SHOPS	OFFICES	PARKING					
R					B	B	B	B	B	B		50	7000	140	>90	<19
R					B	B	B	B	B	B		60				
R					R	R	R	R	R	R		56	7000	125	>90	<19
R					R	R	R	R	R	R		36	4000	111	>90	<19
					R	R	R	R	R	R		36	4000	111	>80	<19
					R	R	R	R	R	R		35	3500	100	>90	<19
R					R	R	R	R	R	R		24	2700	113	>90	<19
R					R		R		R	R		50	8000	160	>80	
R					R		R		R	R		67	9000	134	>80	<19
R					R	R	R	R	R	R		47	5100	109	>80	<19
			R								R	74	9600	130	>80	
		O	R								R	74	9900	134	>80	
		R	R								R	74	9900	134	>80	
R			R				R				R	160	21300	133	>80	
			R		R	R	R	R	R			37	4000	108	>80	
R	R		R		R	R	R	R			R	110	16800	153	>80	
R	R		R		R	R	R	R			R	200	32400	162	>80	
	R										R	400	52000	130	>80	
R			R	R								246	38850	158	>80	
R			R	R								240	34000	142	>80	
	R		R	R	R	R	R	R		R	R	130	16900	130	>80	
R			R	R	R	R	R	R		R	R	130	15000	115	>80	

Table of Contents

■ POWER SUPPLY AND CONTROL SYSTEMS

SD

SD-X • EXPANDABLE WITH SMART AUTO-DIMMER

Luminaires equipped with **Smart Driver** with **smart**

Auto-dimmer and integrable **optional expansion modules** :

- DALI Module
- Radio Module
- 1÷10V module
- Emergency inverter

SD RADIO • SMART AUTO-DIMMER AND RADIO

Luminaires equipped with **SD/1 ÷10V interface** with **integrated radio module** and optional integrated or external **Smart Auto-dimmer** sensor.

P. 004

AUTO-DIMMER

■ CONTROL UNITS AND CONNECTION MODULES

■ SanificaAria Beghelli - HYBRID LUMINAIRES WITH INTEGRATED AIR SANITIZER

■ RECESSED

■ DOWNLIGHT

■ WATERPROOF CEILING LIGHTS

■ OUTDOOR FLOODLIGHTS

■ INDUSTRIAL HIGH BAY LIGHTS

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   P. 040

Lens Fila

IP40   SD ED DALI   P. 046

P236/258

UGR<19

IP20   SD DALI   P. 050

BS240

IP66   SD ED DALI   P. 062

Power Light

IP66   SD ED DALI   P. 076

■ STREET LIGHTING

Strada

IP66   SD DALI   P. 084

Centrostrada

IP66   SD DALI   P. 088

Exclusive Beghelli proposals

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 DRIVER

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.

Sanifica ARIA Beghelli

AUTO-DIMMER
NATURAL LIGHT
30% more energy savings

MODULO PLUG&LIGHT

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.

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.

TO PREVENT THE SPREAD OF COVID-19

SUCTION
CONTAMINATED AIR

EMISSION
SANITISED AIR

UVOXY® TECHNOLOGY

500lx 500lx 500lx

AUTOMATIC ADJUSTMENT OF LIGHT INTENSITY BASED ON THE NATURAL LIGHT

PLUG&LIGHT: THE INVERTER MODULE WITHOUT ADDITIONAL WIRING
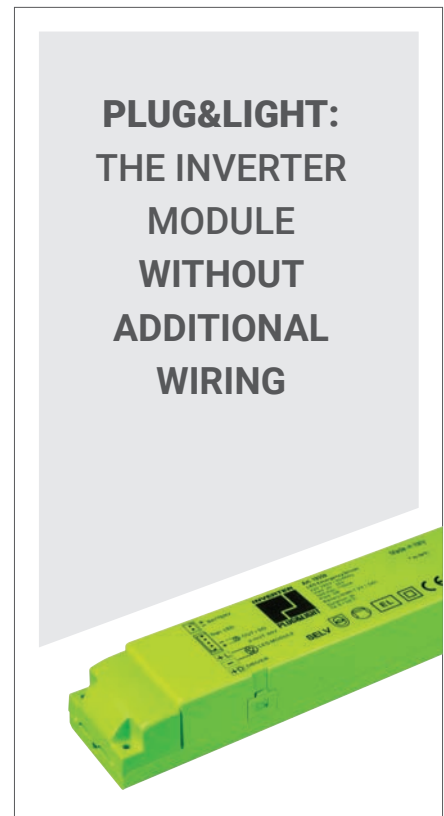
Control and communication systems

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.

RADIO Module

1÷10V Module

DALI Module

TR inverter Plug&Light

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

LIGHT SENSOR SMART AUTO-DIMMER
Integrated, where applicable, in all luminaires **SD-X** and **SD-RADIO**

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

SD

Logica **SD LGFM** Control Unit

RADIO

LGFM emergency luminaires

RADIO

RADIO

AUTODIMMER **SD - X -**

AUTODIMMER **SD RADIO**

Luminaires **SD-X**

+

RADIO Module
Code 15022

Luminaires **SD-RADIO**

+

DALI Module
Code 15024

BUS DALI

TR inverter Plug&Light

1÷10V Module
Code 15034

BUS 1÷10V

Logica SD LGFM Control Unit

LGFM | 996 Devices | IP20 | +40°C -20°C | GSM | WiFi | GPRS
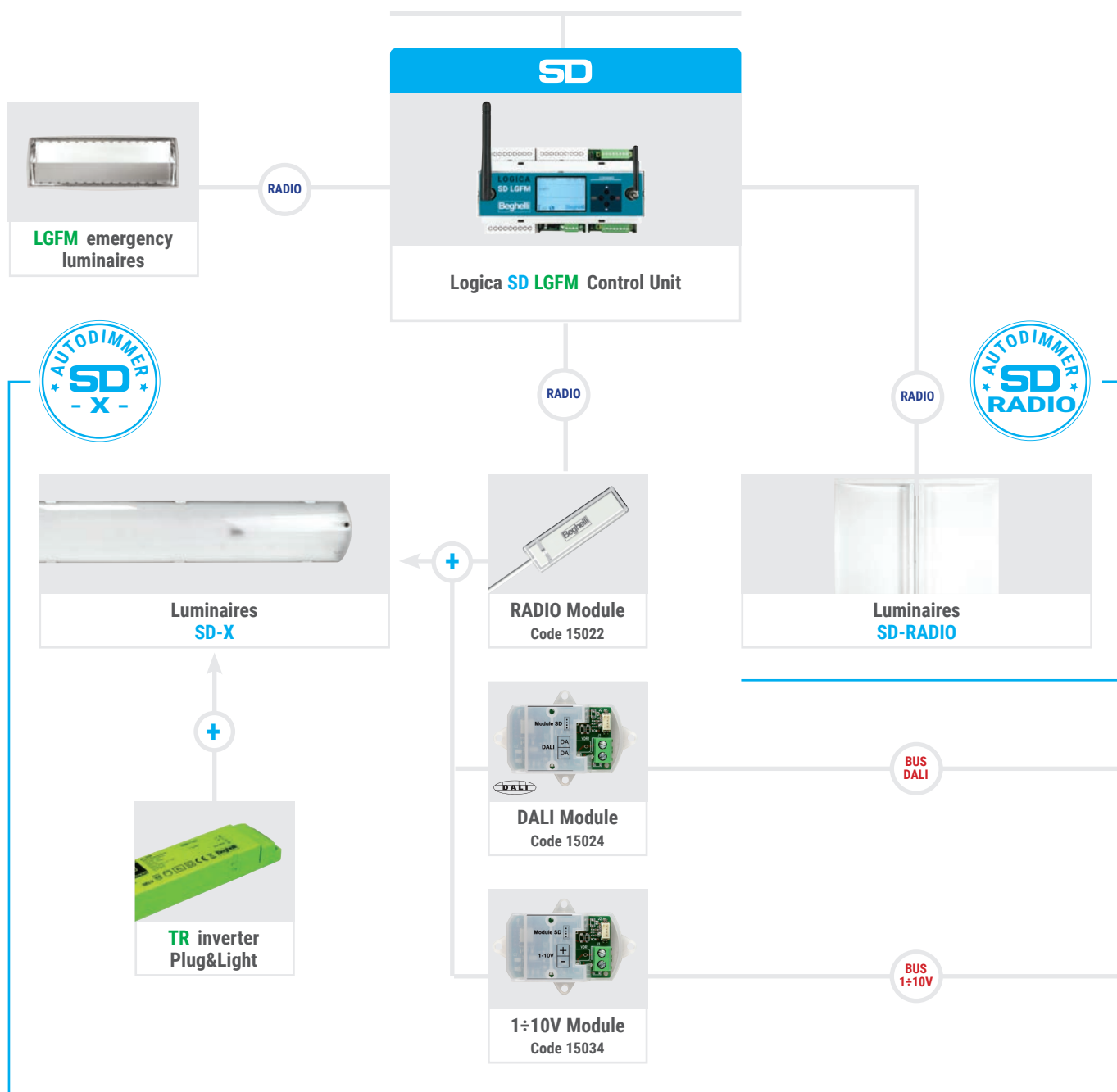
⭐ Control unit for SD luminaires and LGFM emergency lighting, with radio control of the luminaires, integrated GSM module and WiFi for the remote management of the system.

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 ±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

160 mm

75mm

90 mm
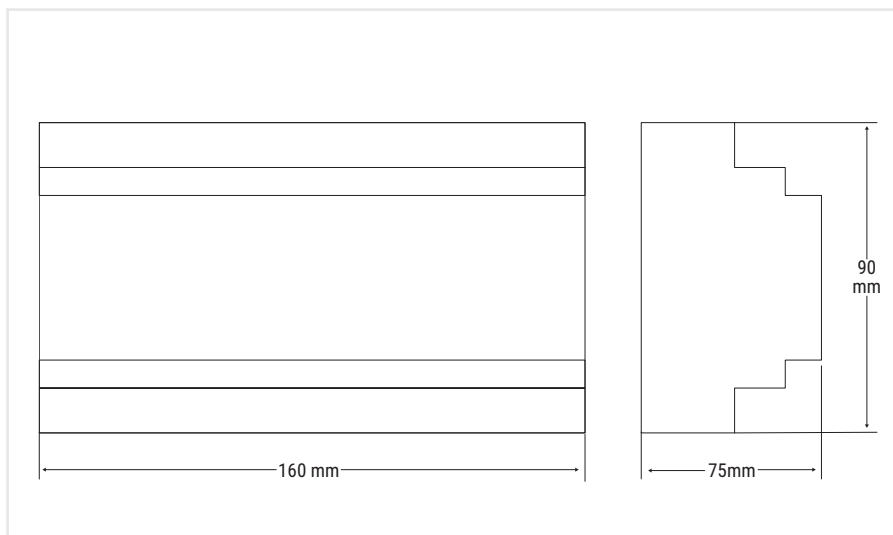
FUNCTIONS: Full control of the lighting system

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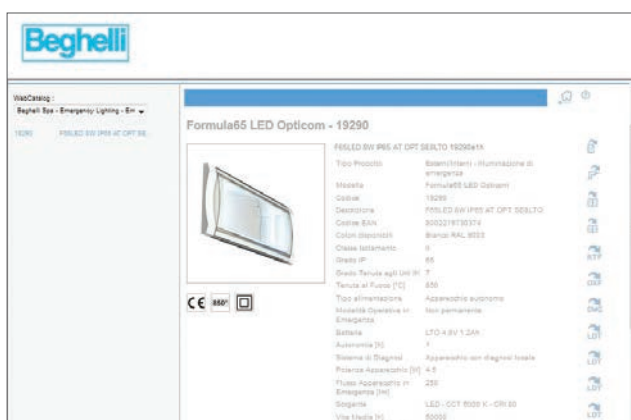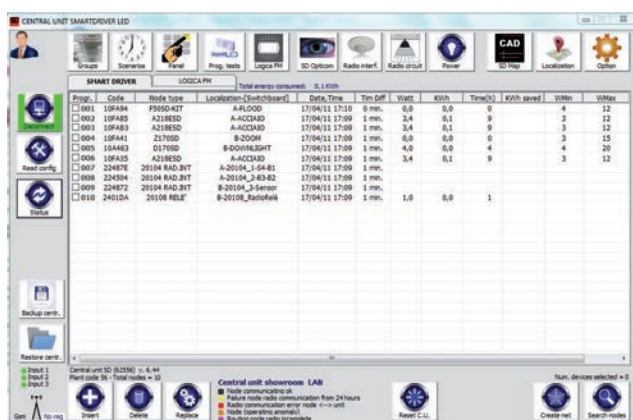
Screen shot with the **SD Manager** screen showing luminaires and system settings. Another screen allows the luminaires to be displayed on a DWG plan.

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	NuBe	SD
Order Code **20109**		

RS485/USB CABLE (For order code 21102)		SD

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.

Ø 50x45mm

Order code	Description	Packaging
21100	OUTDOOR SMART DIMMER LIGHT SENSOR	1

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.

33x52x28mm

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

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.

SD — 12x19x81mm

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.

46x49x24mm

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.

46x49x24mm

Order code	Description	Packaging
20108	BUILDING AUTOMATION REMOTE CONTROL RECEIVER	1

LED Panel RTI SanificaAria

NuBe

LABORATORY TESTING

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

AUTODIMMER SD RADIO

🕐 **PROGRAMMABLE** 1 2 3

IP20 **IK05** **960°** **+40°C -20°C** **CRI>90** **UGR<19** **FLICKER FREE**

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
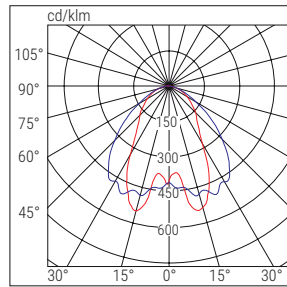
cd/klm

■ 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		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		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.

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**

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

STEP 1   STEP 2   STEP 3

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.

LED Panel RTI SanificaAria

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.
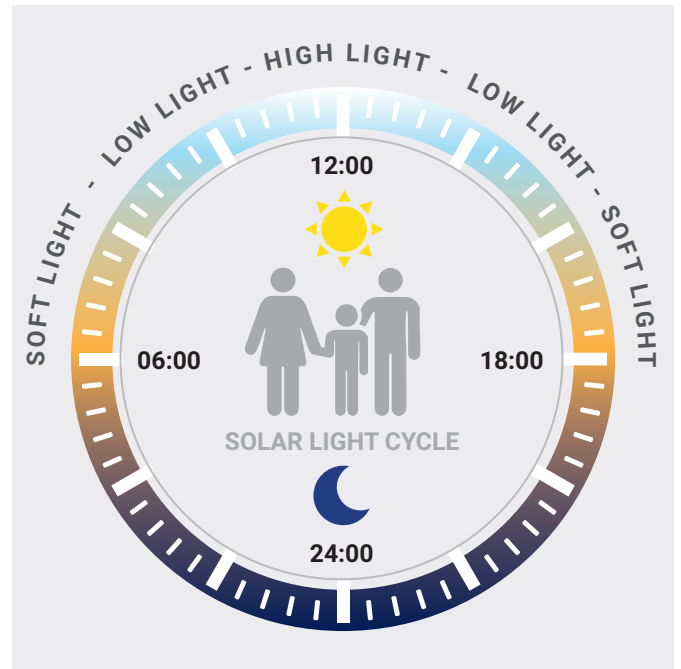
SOFT LIGHT - LOW LIGHT - HIGH LIGHT - LOW LIGHT - SOFT LIGHT

12:00

06:00   18:00

SOLAR LIGHT CYCLE

24:00

SPECIAL VARIANTS - on request

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

ACCESSORIES - included

Beghelli MODULO RADIO MIPDIM	**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

EMERGENCY LED INVERTERS - 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

NuBe

LABORATORY TESTING

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

IP20 IK05 960° +40°C -20°C **PROGRAMMABLE** 1 2 3

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 m³/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 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.

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**

LED Panel RTI

NuBe

AUTODIMMER SD RADIO

| IP20 IP40 | IK05 | 960° | | +40°C -20°C | CRI>90 | UGR<19 | FLICKER FREE |

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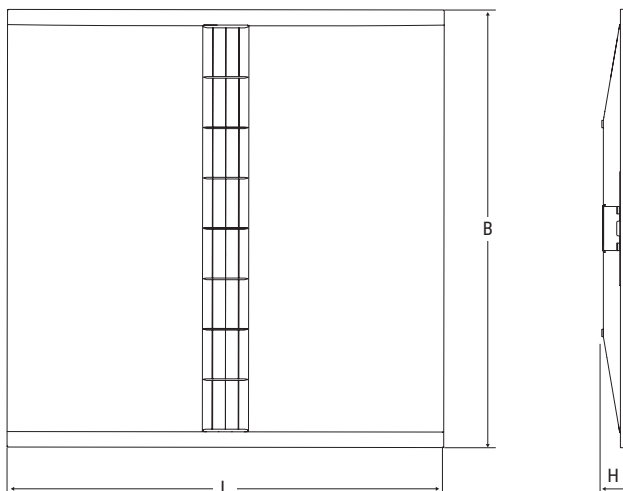
Order code	Dimensions mm		
	L	B	H
40151	595	595	34
40161, 40171, 40166, 40176	595	595	51
40154, 40157	295	1195	34
40164, 40168, 40174, 40178, 40167, 40177, 40181	295	1195	51

LED PANEL RTI - 600x600
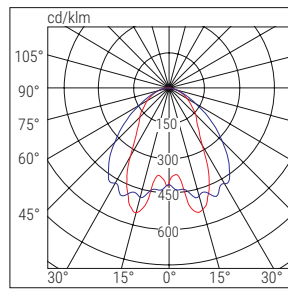
C90-C270   C0-C180

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		**AUTO-DIMMER**
	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		**ON / OFF**
	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**												**DALI**

☾☀ 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.

SOLAR LIGHT CYCLE
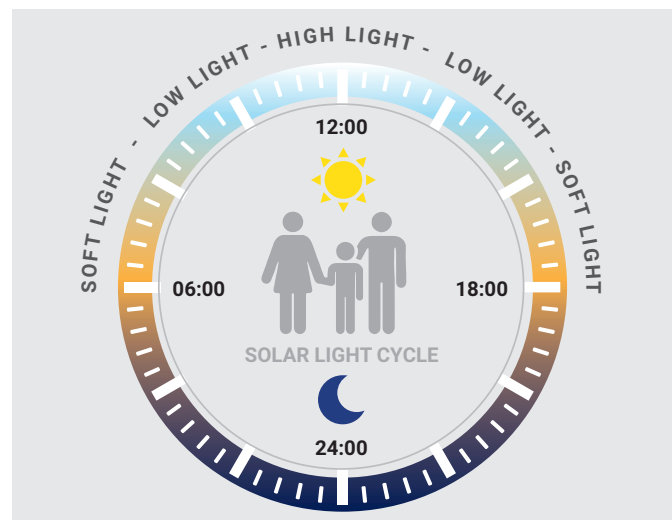
LED Panel RTI

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 NuBe Order Code **21102** **SD**
	BUILDING AUTOMATION RADIO TRANSMITTER Order Code **20104** **SD**

EMERGENCY LED INVERTERS - 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	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 40168	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

NuBe
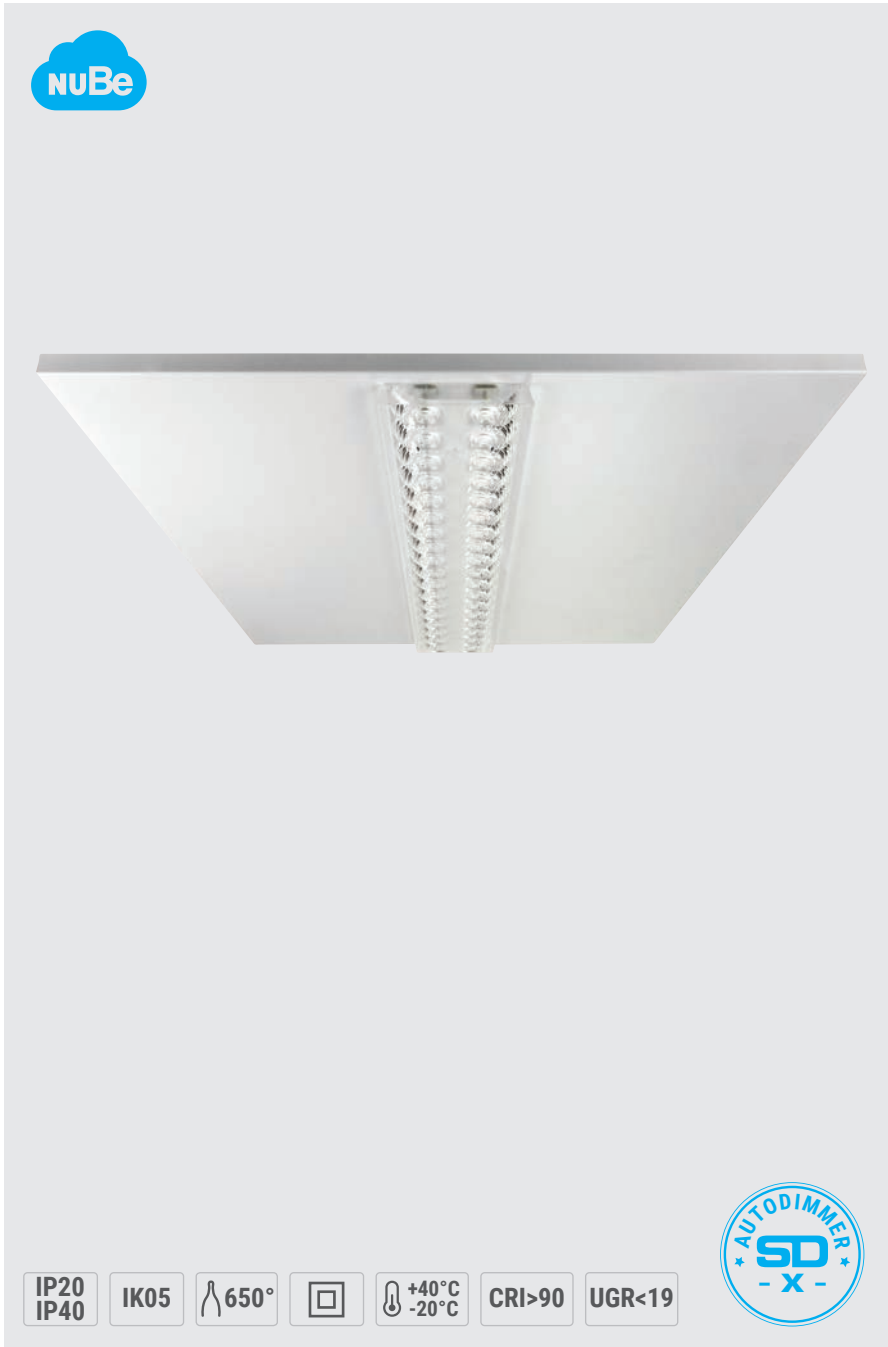
☆	Brightness efficiency of more than 130lm/W with a flux of up to 7000lm.
	Anti-glare multi-lens optics (UGR<19). Colour rendering index Ra>90 to faithfully render the colours of an illuminated object.
	Ceiling mounting with reduced thickness, the ED version does not require accessories.

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

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

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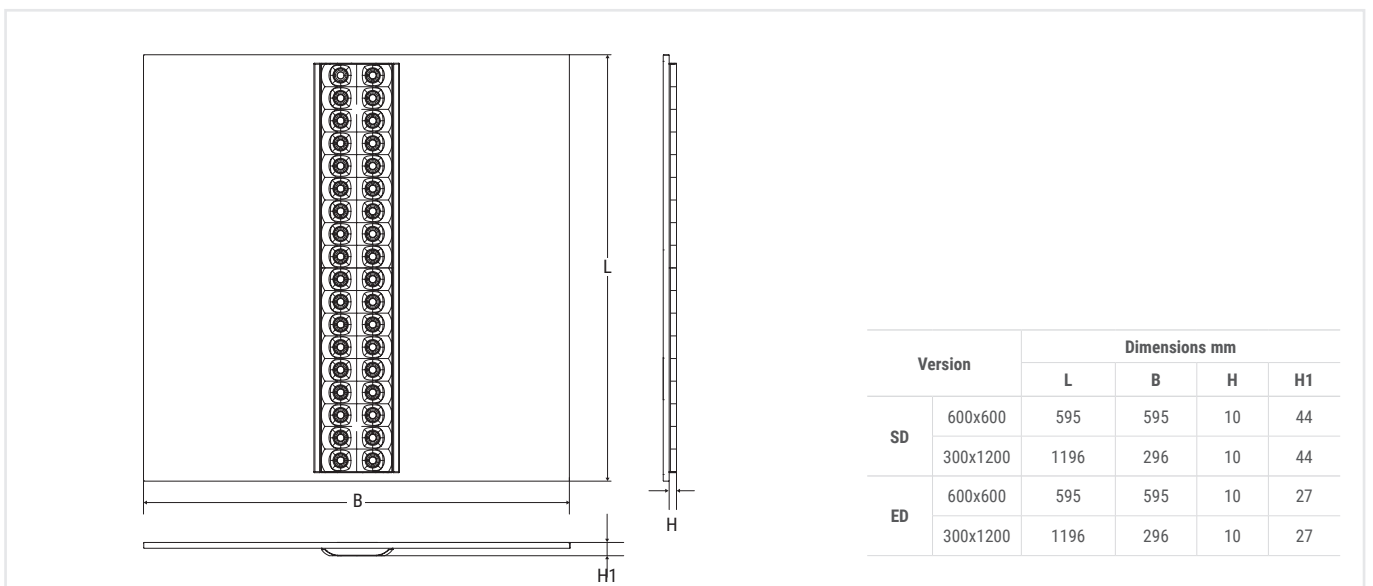
Version		Dimensions mm			
		L	B	H	H1
SD	600x600	595	595	10	44
	300x1200	1196	296	10	44
ED	600x600	595	595	10	27
	300x1200	1196	296	10	27

LENS PANEL - 600x600

cd/klm
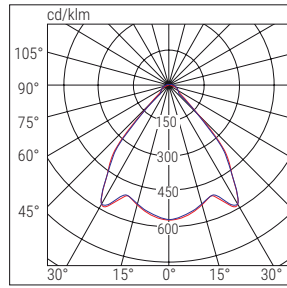
C0-C180   C90-C270

LENS PANEL - 300x1200

cd/klm
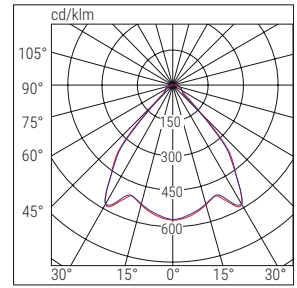
C0-C180   C90-C270

	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
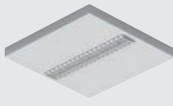
ACCESSORIES - included

SMART DIMMER LIGHT SENSOR

Order Code **15039**   SD

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

BUILDING AUTOMATION - to be ordered separately

LOGICA SD LGFM CONTROL UNIT

NUBe

Order Code **21102**

SD

DALI MODULE

Order Code **15024**

SD

BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**

SD

1÷10V MODULE

Order Code **15034**

SD

BUILDING AUTOMATION RADIO MODULE

Order Code **15022**

SD

EMERGENCY LED INVERTERS - to be ordered separately

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

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

IP65

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

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.

IP65 | **IK05** | **650°** | | **+40°C -20°C** | **CRI>90** | **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, 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
600x600	595	595	9	41
300x1200	1196	296	9	41
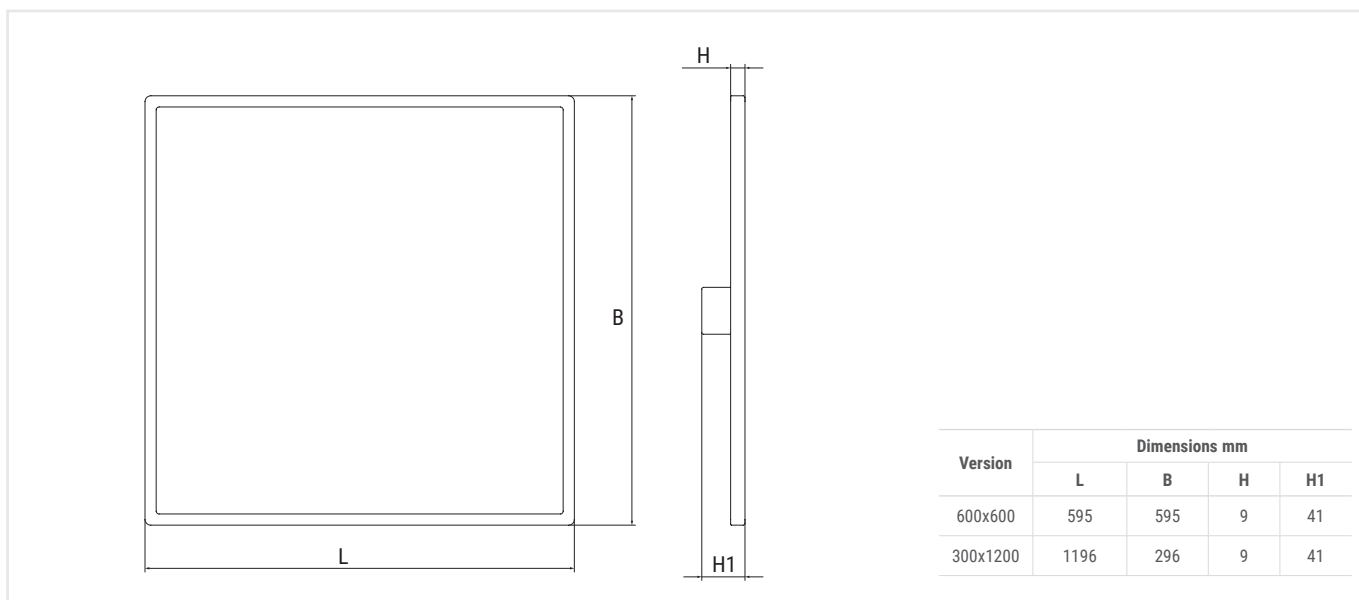
LED PANEL IP65 - 600x600

cd/klm
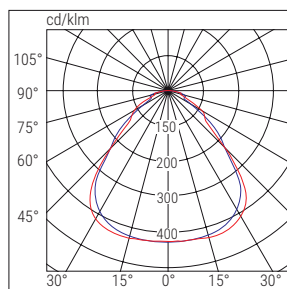
■ C90-C270 ■ C0-C180

LED PANEL IP65 - 300x1200
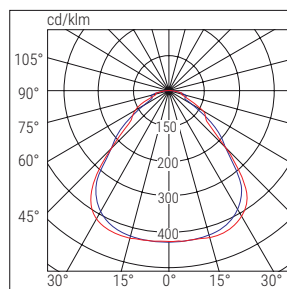
cd/klm

■ 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**											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 NuBe

Order Code **21102** SD

OUTDOOR SMART DIMMER LIGHT SENSOR

Order Code **21100** SD

BUILDING AUTOMATION RADIO MODULE

Order Code**15022** SD

DALI MODULE

Order Code**15024** SD

BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104** SD

1÷10V MODULE

Order Code **15034** SD

EMERGENCY LED INVERTERS - to be ordered separately

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

Order Code **19368** (3h) IP65 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** IP65

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

Led Panel

NuBe

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

AUTODIMMER
SD
- X -

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

Version	Dimensions mm			
	L	B	H	H1
600x600	595	595	9	41
300x1200	1196	296	9	41
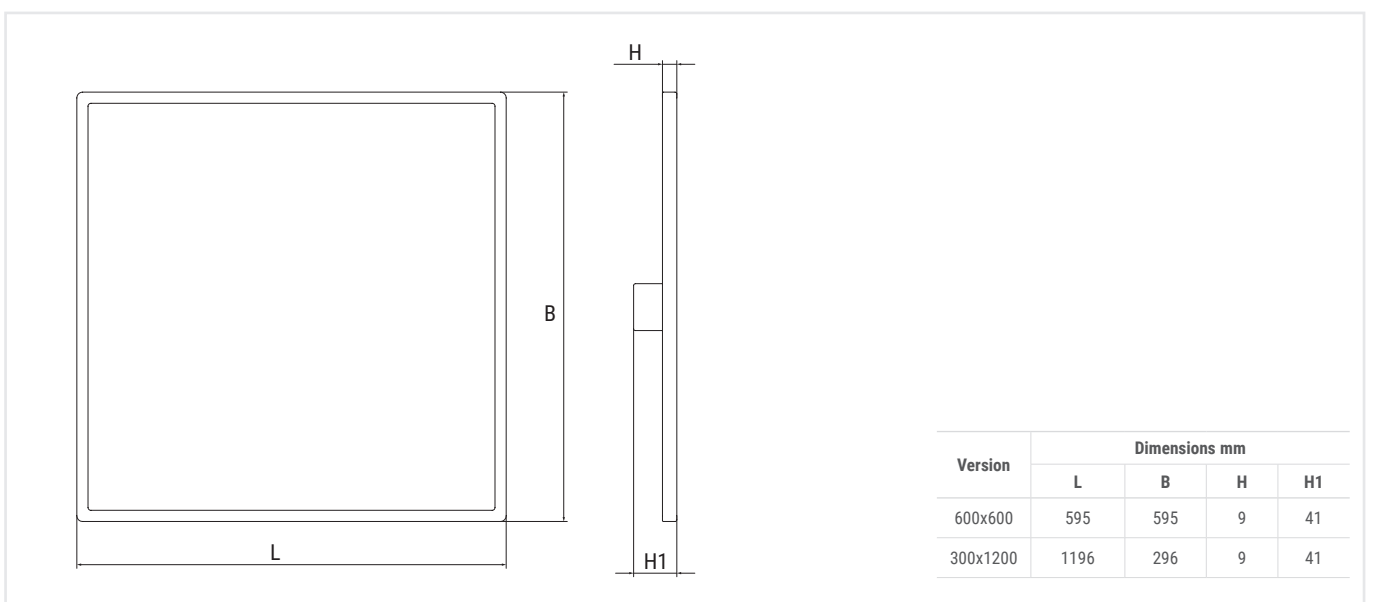
LED PANEL - 600x600

cd/klm
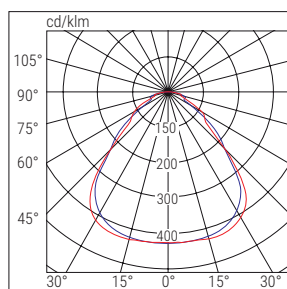
- ■ C90-C270
- ■ C0-C180

LED PANEL - 300x1200
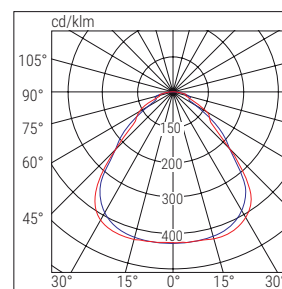
cd/klm

- ■ 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**

ACCESSORIES - included

SMART DIMMER LIGHT SENSOR

Order Code **15039**   **SD**

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 **70048**

Led Panel

BUILDING AUTOMATION - to be ordered separately

LOGICA SD LGFM CONTROL UNIT

NUBe

Order Code **21102**

SD

DALI MODULE

Order Code **15024**

SD

BUILDING AUTOMATION RADIO MODULE

Order Code **15022**

SD

1÷10V MODULE

Order Code **15034**

SD

BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**

SD

EMERGENCY LED INVERTERS - to be ordered separately

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

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

IP65

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

I 418

NuBe

☆	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

IP20	IP54	IK05	⋀850°	+40°C -20°C	UGR<19

AUTODIMMER SD - X -

RECESSED VERSION

3.6

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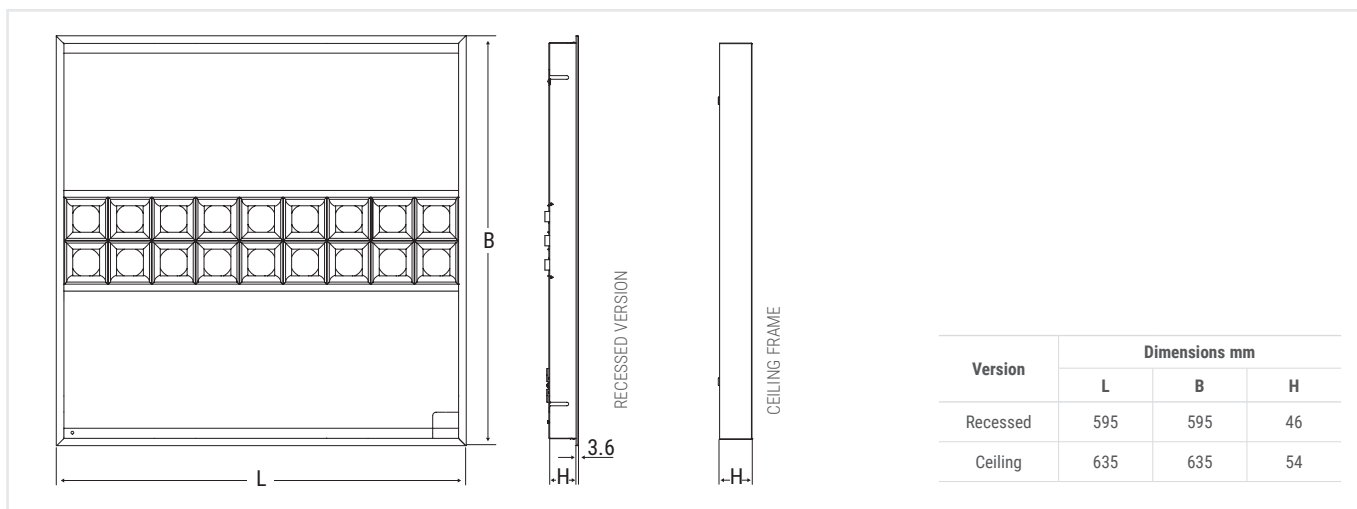
Version	Dimensions mm		
	L	B	H
Recessed	595	595	46
Ceiling	635	635	54

I 418
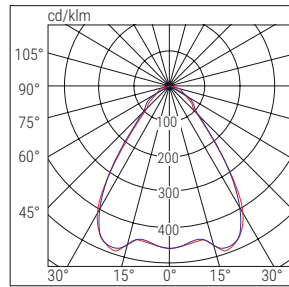
■ C90-C270 ■ C0-C180

I 418 - IP54
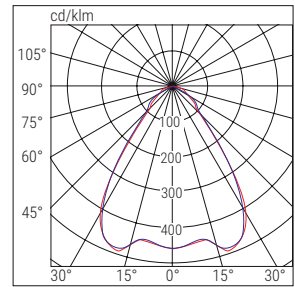
■ C90-C270 ■ C0-C180

	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**   SD

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   NuBe

Order Code **21102**   SD

DALI MODULE

Order Code **15024**   SD

BUILDING AUTOMATION RADIO MODULE

Order Code **15022**   SD

1÷10V MODULE

Order Code **15034**   SD

BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**   SD

EMERGENCY LED INVERTERS - 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

Downlight IP54

NuBe

⭐ Downlight with high-efficiency LEDs using SMD technology.

💡 Satin-finish aluminium reflector with a beam aperture angle of 75°, 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

SD
- X -

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

cd/klm

C0-C180
C90-C270

max 4.5 cm
max 23.9 cm
max 3 cm

Ø

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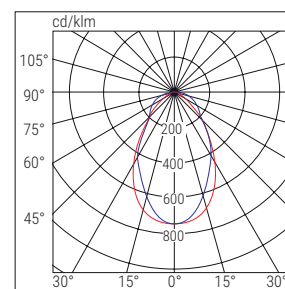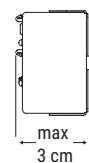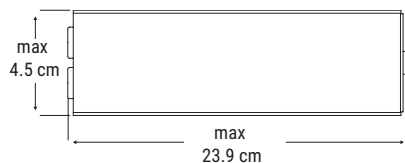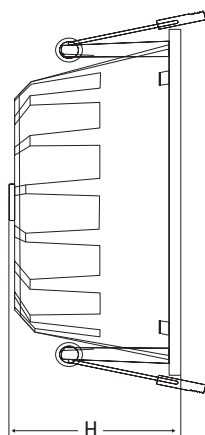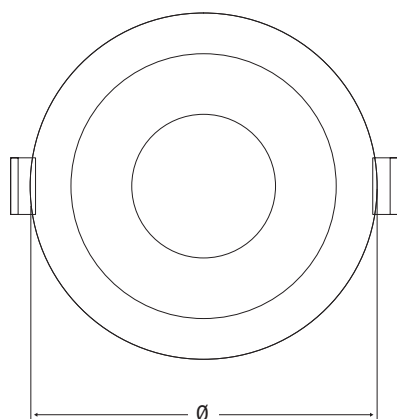
Order code	Recessed mounting hole mm	Dimensions mm	
		Ø	H
40324-40304	Ø90	102	68
40325-40305	Ø120	140	68
40326-40306	Ø150	180	90
40327-40307	Ø200	230	120

	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 NuBe
Order Code **21102** SD

OUTDOOR SMART DIMMER LIGHT SENSOR
Order Code **21100** SD

BUILDING AUTOMATION RADIO MODULE
Order Code **15022** SD

DALI MODULE
Order Code **15024** SD

BUILDING AUTOMATION RADIO TRANSMITTER
Order Code **20104** SD

1÷10V MODULE
Order Code **15034** SD

EMERGENCY LED INVERTERS - to be ordered separately

INVERTER PLUG&LIGHT SE/SA 1-3h 20-60V
Order Code **19358** (1h)
Order Code **19359** (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** IP65

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

035 downlight

Funzione3

NUBe

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

AUTODIMMER
SD
- X -

★ 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, EN 60598-2-22, EN 62471 (photobiological risk-free), CAM Minimum Environmental Criteria according to DM 11.01.2017, 2014/53/EU
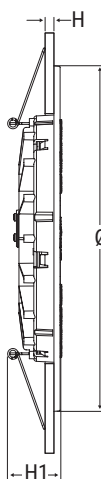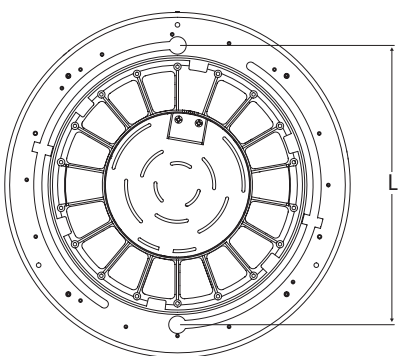
Recessed mounting hole mm	Dimensions mm				
	Ø	H	H1	L	H2
Ø 170÷200	235	6÷25	36	190	32

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

cd/klm
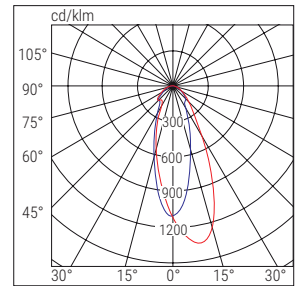
■ C0-C180   ■ C90-C270

CONCENTRATING LENS TYPE DARK LIGHT UGR <19

cd/klm
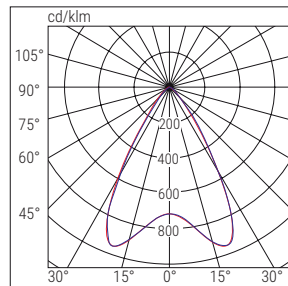
■ C0-C180   ■ C90-C270

DIFFUSING LENS UGR <25

cd/klm
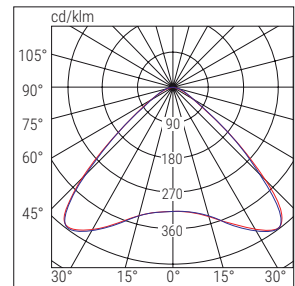
■ C0-C180   ■ C90-C270

MOUNTING

Suspended

Recessed

Ceiling

	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												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
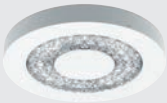
037 downlight

Funzione3

ACCESSORIES - included

SMART DIMMER LIGHT SENSOR

Order Code **15039** SD
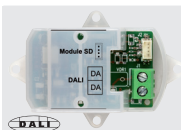
ACCESSORIES - to be ordered separately

CEILING FRAME
(included in the ED version)

Order Code **20129**
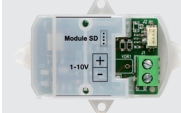
3-CABLE SUSPENSION
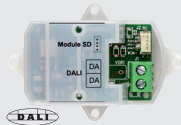
Order Code **20128**

BUILDING AUTOMATION - to be ordered separately

LOGICA SD LGFM CONTROL UNIT NUBe
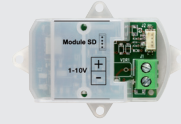
Order Code **21102** SD

DALI MODULE
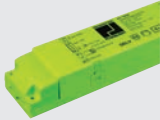
Order Code **15024** SD

BUILDING AUTOMATION RADIO MODULE

Order Code **15022** SD

1÷10V MODULE

Order Code **15034** SD

BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104** SD

EMERGENCY LED INVERTERS - 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**

Rail System Iron

NuBe

IP40 | IK05 | 650° | +40°C -20°C

SD -X-

☆ 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 ±10% 50Hz (Cos j≥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

Dimensions mm		
L	B	H
1500	73	80
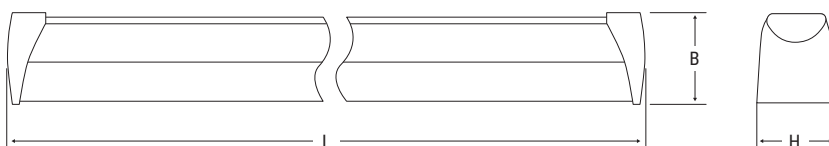
EXAMPLE OF A SINGLE COMPOSITION
- Carrier profile Code 4502
- Double asymmetrical lighting module 50W Code 40520
- 2 x End caps Code 40612

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.

03 Connection joints

02 Carrier profile

03 Power supply end cap
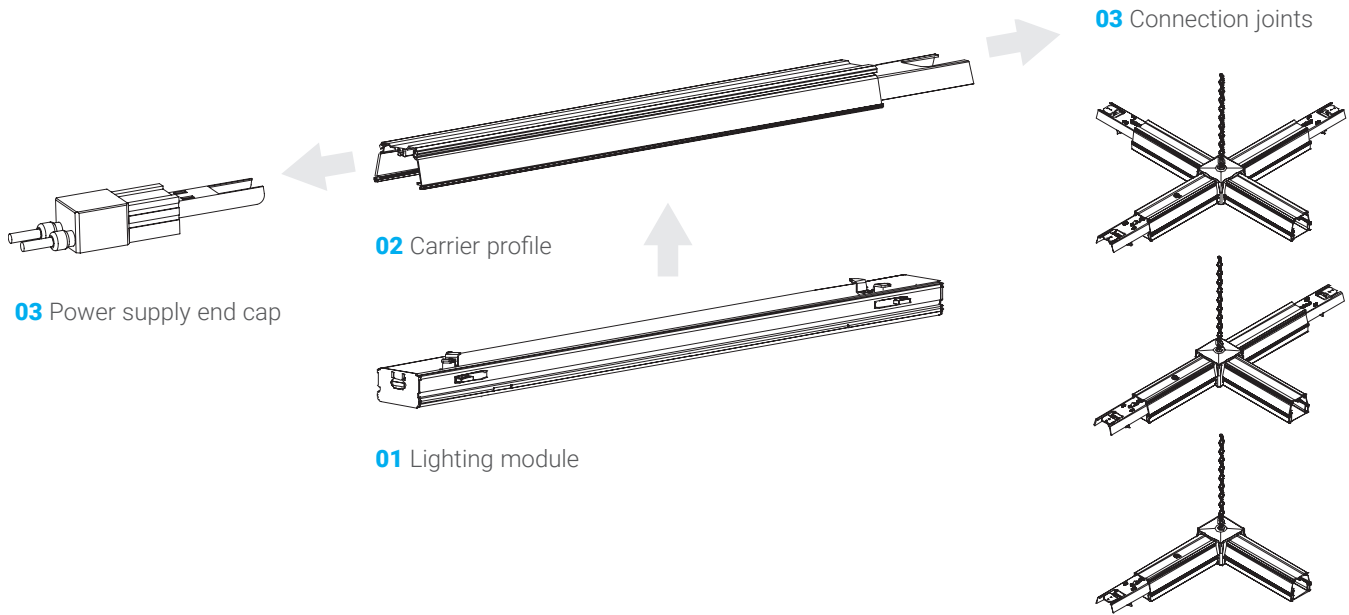
01 Lighting module

01 LIGHTING MODULE

7 different optics to meet most lighting requirements

RH
Right asymmetrical beam

LH
Left asymmetrical beam

25° - SP

cd/klm

105°
90°
75°
60°
45°

400
800
1200
1600

30° 15° 0° 15° 30°

60° - NR

cd/klm

105°
90°
75°
60°
45°

200
400
600
800

30° 15° 0° 15° 30°

90° - WD

cd/klm

105°
90°
75°
60°
45°

80
160
240
320

30° 15° 0° 15° 30°

120° - FF

cd/klm

105°
90°
75°
60°
45°

80
160
240
320

30° 15° 0° 15° 30°
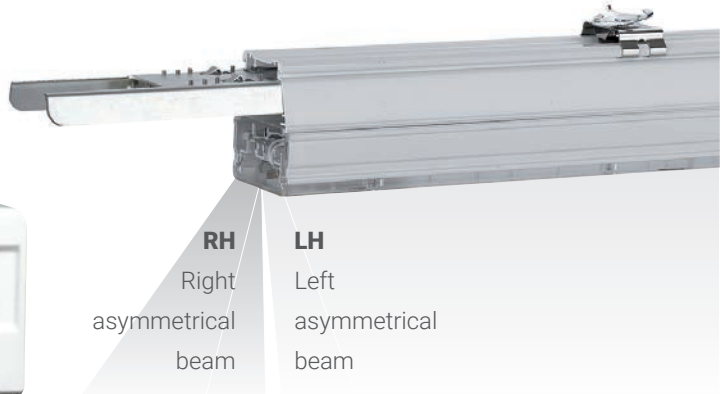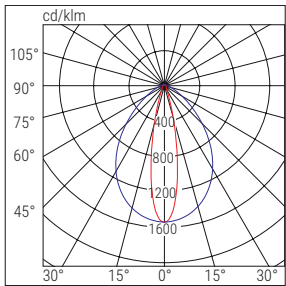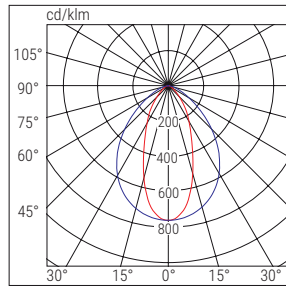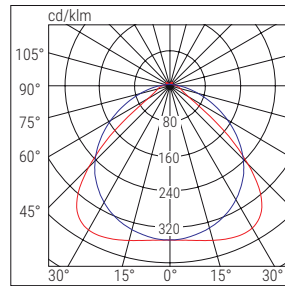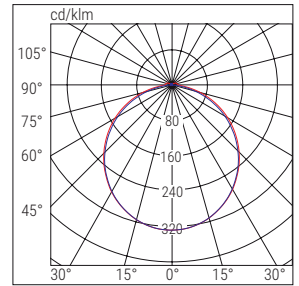
■ C0-C180   ■ C90-C270

ASYMMETRICAL LH - LS
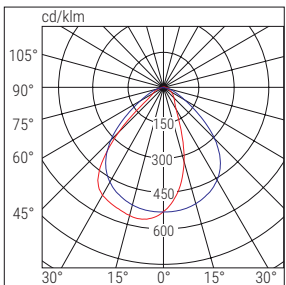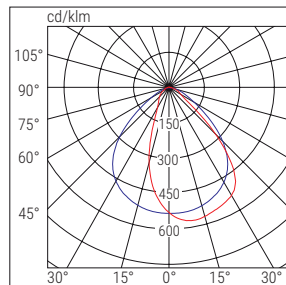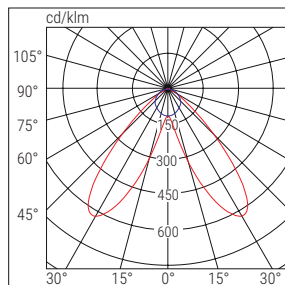
cd/klm

105°
90°
75°
60°
45°

150
300
450
600

30° 15° 0° 15° 30°

ASYMMETRIC RH - RS

cd/klm

105°
90°
75°
60°
45°

150
300
450
600

30° 15° 0° 15° 30°

DOUBLE ASYMM - DS

cd/klm

105°
90°
75°
60°
45°

150
300
450
600

30° 15° 0° 15° 30°

041 systems – ceiling and suspended mounting

Rail System Iron

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	
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	AUTO-DIMMER (*)
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	
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	ON / OFF
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	

SD / ED

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

CARRIER PROFILES

Type	Order Code	Description	Cable section• mm²	Dimensions mm L	B	H	Weight Kg	Packaging Single/ Multi pack
SIDE-FEED EC TRACK 600mm	40500	RAIL IRON 600 8 WIRE EC	2.5	600	70.2	-	0.7	1/10
SIDE-FEED EC TRACK1500mm	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

END CAP AND CONNECTIONS

Type	Order Code	Description	Weight Kg	Packaging Single/ Multi pack
POWER SUPPLY END CAP	40600	RAIL IRON POWER HEAD 8 WIRES		
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

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)

PRE-WIRED CARRIER PROFILE

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

600/1500/3000 mm — 70,2 mm

EC track

1500/3000 mm — 70,2 mm

CC track

100 - 800mm	3000mm Max.	3000mm Max.	100 - 800mm
Profilo EC	Profilo EC	Profilo CC	Profilo EC

Emergency lighting with Up Led
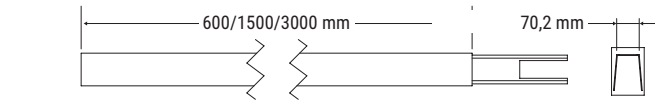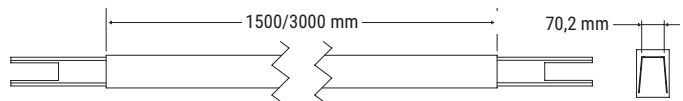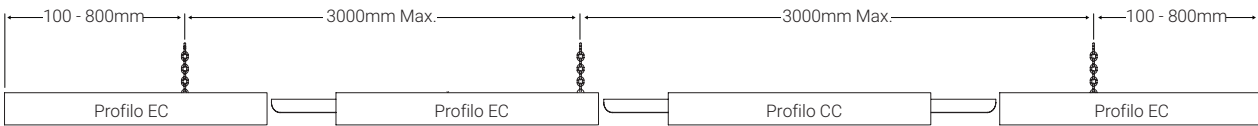
ELECTRIFIED TRACK MODULE

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).

68

1518 mm

21
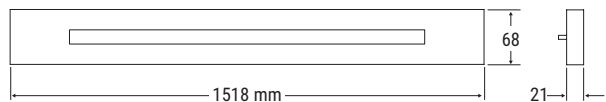
Rail System Iron

03 END CAP AND CONNECTION JOINTS

POWER SUPPLY END CAP

150 · 122,5 · 68 · 92
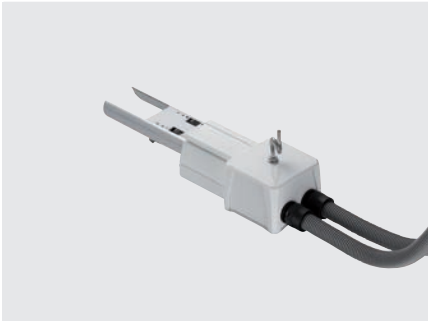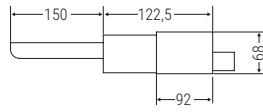
Order Code **40600**

JOINT CONNECTIONS
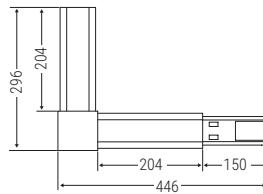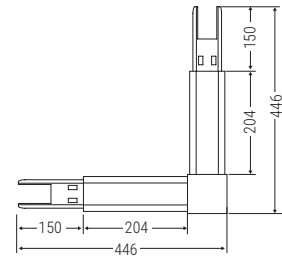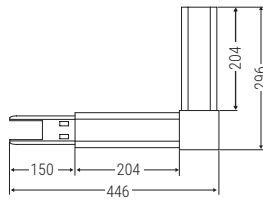
296 · 204 · 204 · 150 · 446

Order Code **40601**

150 · 204 · 446 · 150 · 204 · 446

Order Code **40603**

204 · 296 · 150 · 204 · 446

Order Code **40602**

T-JOINT

204 · 150 · 204 · 204 · 150 · 354 · 354

Order Code **40606**

150 · 446 · 204 · 204 · 204 · 150 · 354

Order Code **40604**

150 · 354 · 204 · 150 · 204 · 204 · 150 · 354 · 354

Order Code **40607**

150 · 354 · 204 · 150 · 204 · 204 · 446
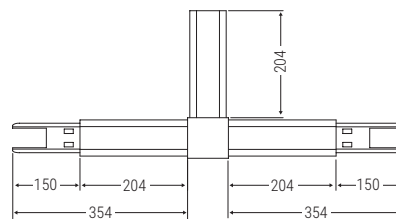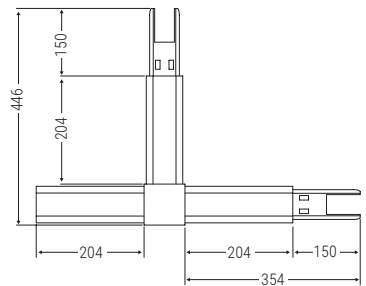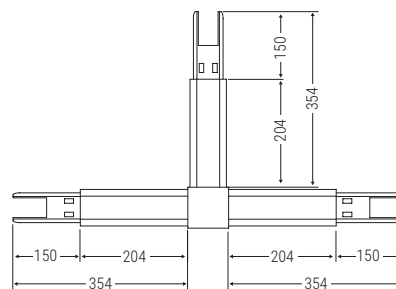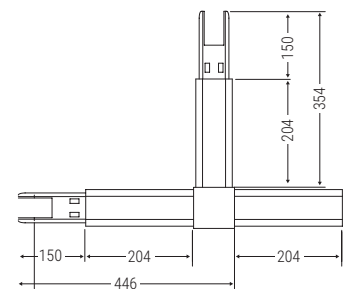
Order Code **40605**

X-JOINT
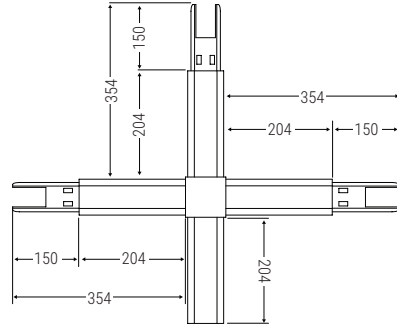
Order Code **40608**
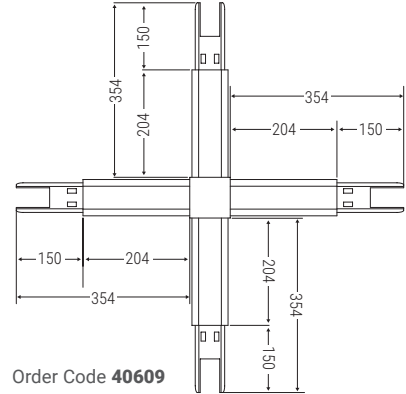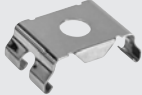
Order Code **40609**

ACCESSORIES - included

SD RADIO / 1 -10V INTERFACE

ACCESSORIES - to be ordered separately

CEILING BRACKET

Order Code **40618**

SLATTED BRACKET

Order Code **40617**

BRACKET WITH 3M STEEL CABLE

Order Code **40615**

BRACKET WITH 3M CABLE

Order Code **40616**

COVER PC 1500

Order Code **40614**

END CAP

Order Code **40612**

THREE-PHASE TRACK END CAP

Order Code **40613**

8-PIN POWER CONNECTOR

Order Code **40610**

BUILDING AUTOMATION - to be ordered separately

LOGICA SD LGFM CONTROL UNIT

Order Code **21102**

BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**

OUTDOOR SMART DIMMER LIGHT SENSOR

Order Code **21100**

Lens Fila

NuBe

☆ 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

| IP40* | IK05 | ⌂650° | 🌡 +40°C -20°C |

AUTODIMMER SD - X -

cd/klm
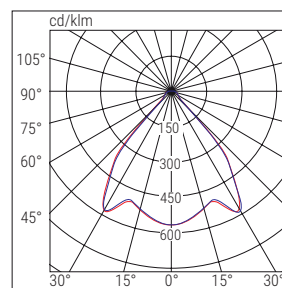
■ C0-C180
■ C90-C270
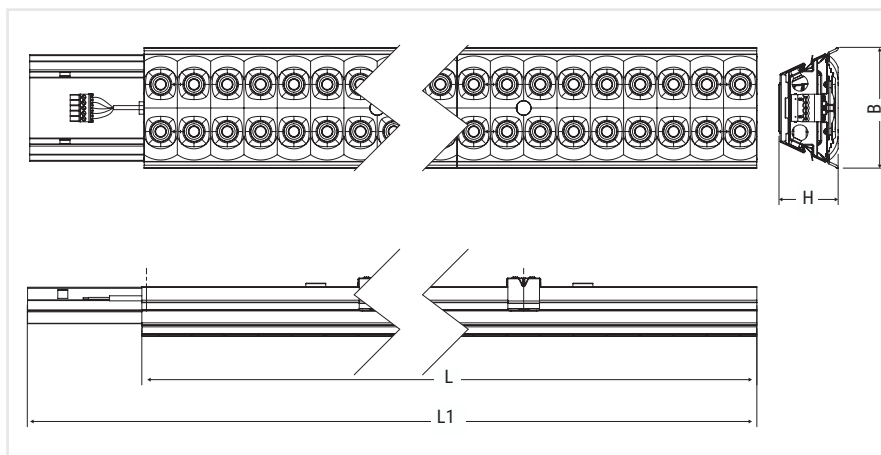
NUMBER OF LAMPS IN CONTINUOUS ROW PER PHASE

Size	No. of lamps 230VAC	Cable cross-section mm²	Line ength 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**

★ 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** SD

BUILDING AUTOMATION - to be ordered separately

LOGICA SD LGFM CONTROL UNIT NuBe

Order Code **21102** SD

DALI MODULE

Order Code **15024** SD

BUILDING AUTOMATION RADIO MODULE

Order Code **15022** SD

1÷10V MODULE

Order Code **15034** SD
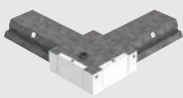
BUILDING AUTOMATION RADIO TRANSMITTER
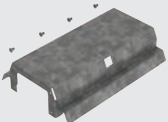
Order Code **20104** SD

ACCESSORIES - to be ordered separately

JUNCTION BOX

Order Code **20126**
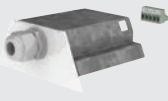
JUNCTION BOX BRACKET

Order Code **20134**

SUSPENDED MOUNTING KIT

Order Code **20127** (1,5m)
Order Code **20133** (3m)
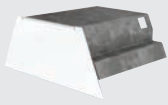
POWER SUPPLY END CAP

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)

Lens Fila

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)

EMERGENCY LED INVERTERS - 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
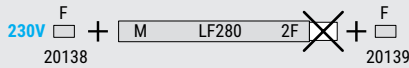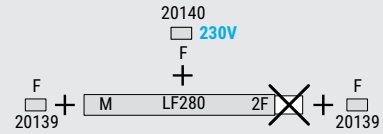
230V
F
20138
M LF280 2F
F
20139

Single luminaire powered from above

20140 230V
F
F
20139
M LF280 2F
F
20139

"T" configuration powered from one side

20139
2F
LF280
M
20126
230V
20138
M LF280 2F
20134
2F
M
F
1x20141
1x20144
2x20145
M
LF280
2F
20139

"T" configuration powered by the junction box

20139
2F
LF280
M
20126
20138
M LF280 2F
20134
2F
M 230V
2F
1x20141
2x20145
M
LF280
2F
20139

In-line configuration powered from one side

F
20139 — ✕ | 2F LF280 M | + | 2F LF280 M | + | 2F LF280 M | + | 2F LF280 M | — F **230V** 20138

In-line configuration powered from above

20147
230V
F — 2F

F
20139 — ✕ | 2F LF280 M | + | 2F LF280 M | + | M LF280 2F | + | M LF280 2F ✕ — F 20139

"L" configuration powered from one side

230V
20138 — M LF280 2F ✕ + 20126 + M ⟍ F 20146

M
LF280
2F ✕
□ 20139

"L" configuration powered by the junction box

20139 — ✕ 2F LF280 M + 20126 + **230V** F — 2F 20147

M
LF280
2F ✕
□ 20139

"X" configuration powered from one side

20138
□ **230V**
M
LF280
2F ✕

20139 — ✕ 2F LF280 M + *** 20126 2x20134 + M LF280 2F ✕ — 20139

2F
M ⟍ 2F
F
1x20141
1x20144
2x20145

M
LF280
2F ✕
□ 20139

"X" configuration powered by the junction box

20139
□
M
LF280
2F ✕

20139 — ✕ 2F LF280 M + *** 20126 2x20134 + M LF280 2F ✕ — 20139

2F
M **230V** 2F
F
1x20141
3x20145

M
LF280
2F ✕
□ 20139
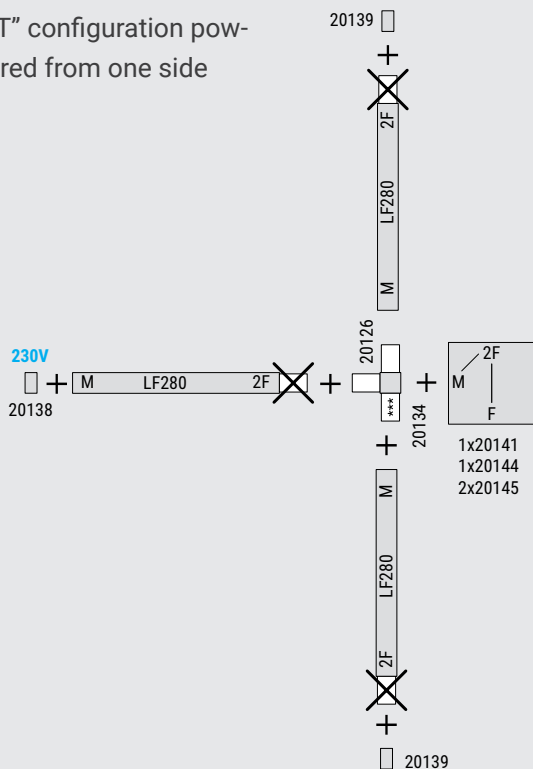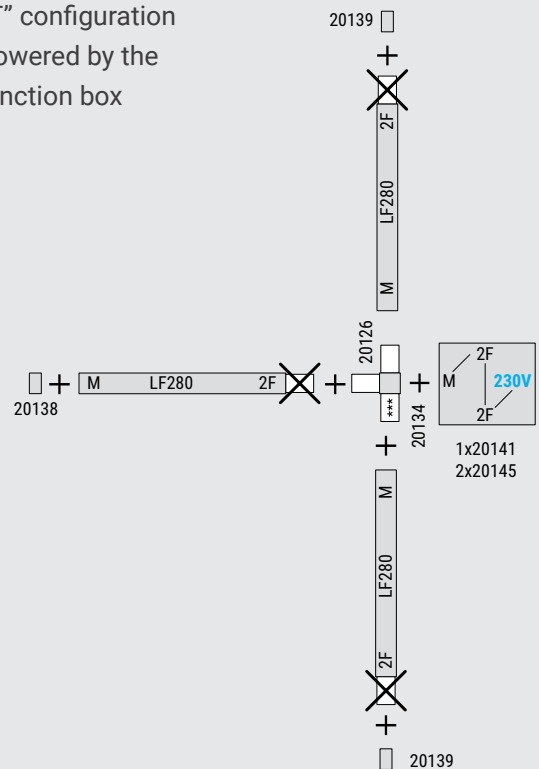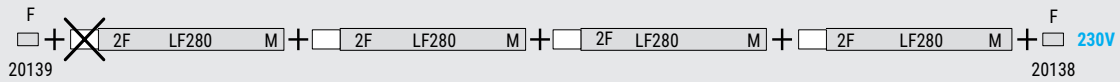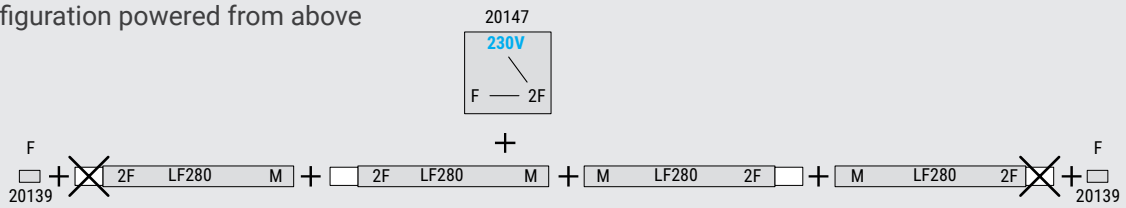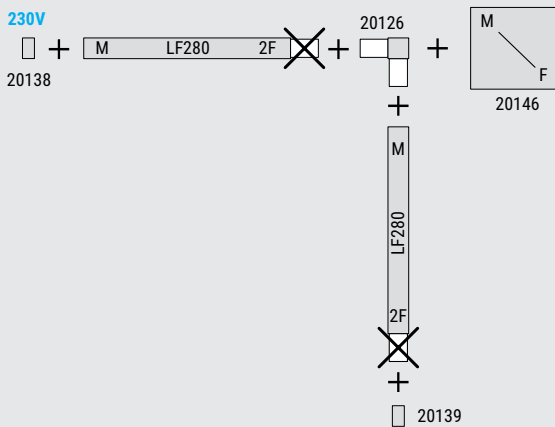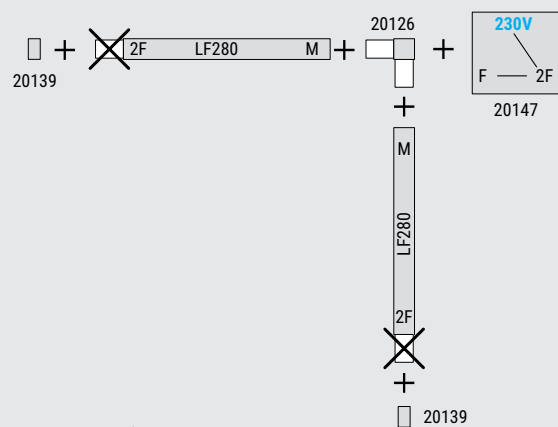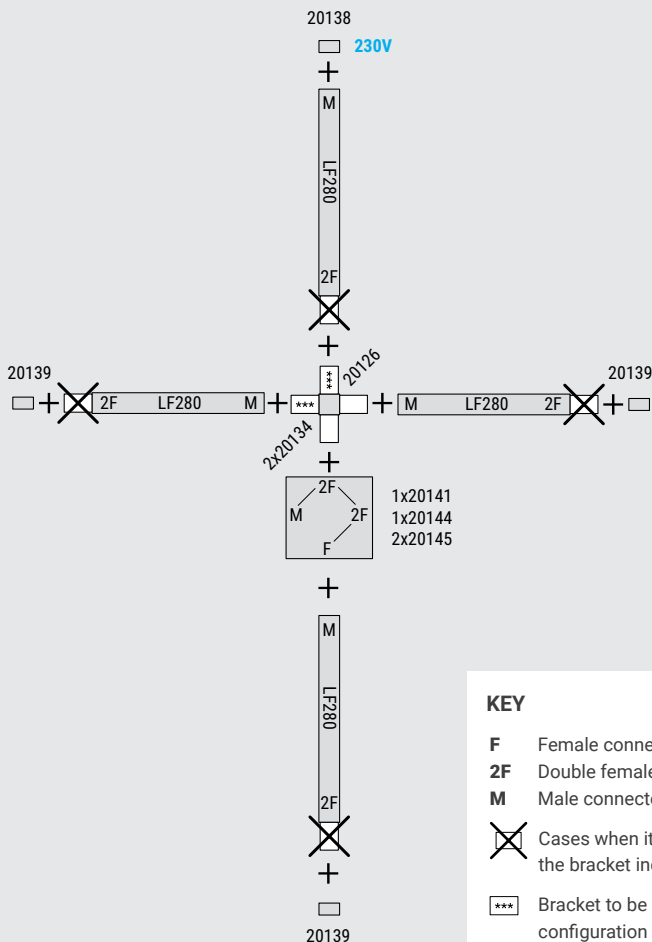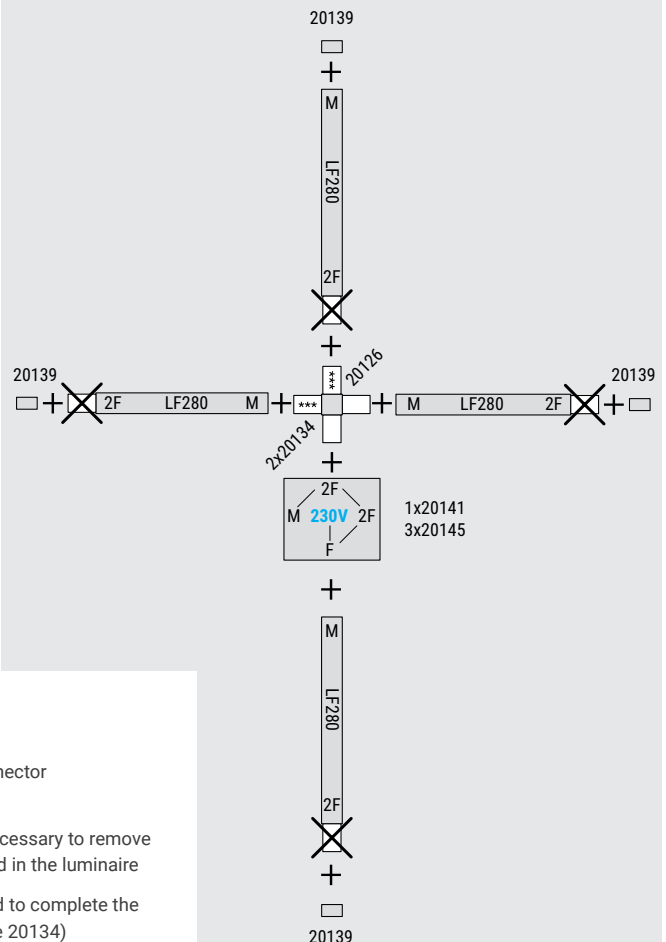
KEY

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

NuBe

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

| IP20 | IK05 | 960° | +40°C -20°C | UGR<19 |

AUTODIMMER SD -X-

cd/klm
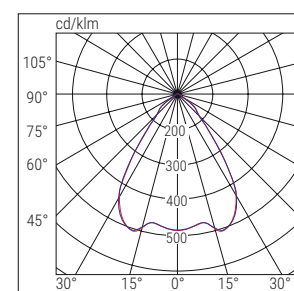
C90-C270
C0-C180
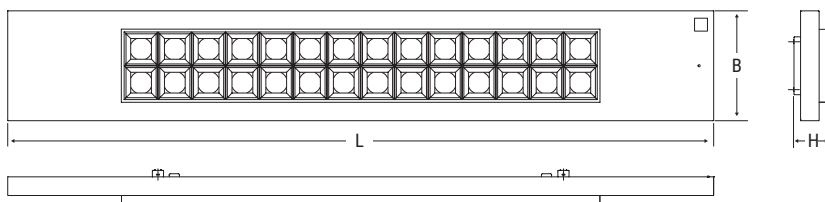
Dimensions mm

L	B	H
1327	202	70

	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		AUTO-DIMMER
	P258SD	CEILING LED 2x58 SD 4K	47	4000	>80	6160	5100	109	4.6	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 **P236SD+ 15024** = Luminaire **P236SD in the DALI version**											DALI

ACCESSORIES - included

SMART DIMMER LIGHT SENSOR

Order Code **15039**   SD

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   NuBe

Order Code **21102**   SD

DALI MODULE

Order Code **15024**   SD

BUILDING AUTOMATION RADIO MODULE

Order Code **15022**   SD

1÷10V MODULE

Order Code **15034**   SD

BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**   SD

EMERGENCY LED INVERTERS - 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)
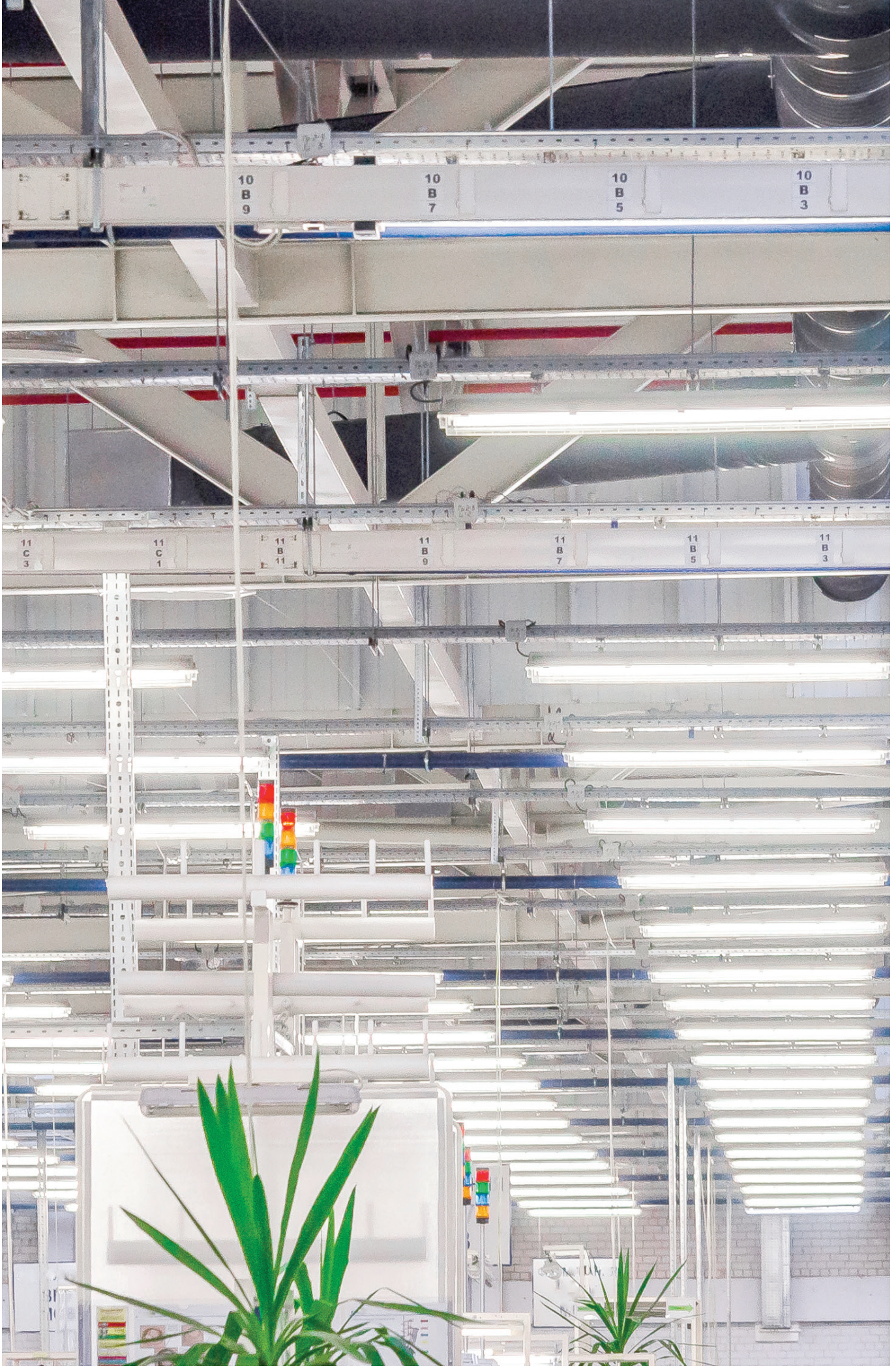Order Code **19390** (LTO battery)   AT LG

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

BS 100

NUBe

⭐ 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

IP65 | IK05 | ⋀850° | 🌡 +40°C -20°C

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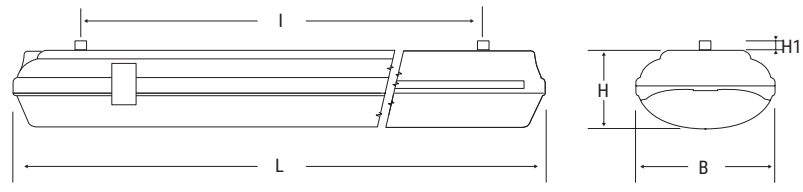
Size	Dimensions mm				
	L	B	H	H1	I
S	671	170	95	10	475
M	1280	170	95	10	660
L	1581	170	95	10	900

BS 100
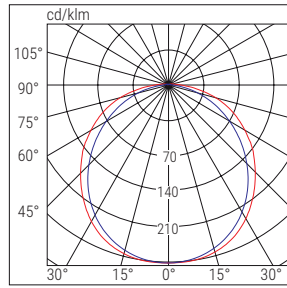
C180-C270 | **C90-C270**

BS 100 PARKING
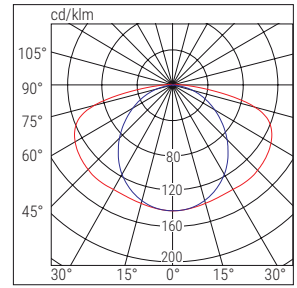
C0-C180 | **C90-C270**

	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		**AUTO-DIMMER**
	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		**ADJUSTABLE**
	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** | **DALI**

RD VERSIONS, MANUALLY ADJUSTABLE FLUX/POWER AT 4 STEPS

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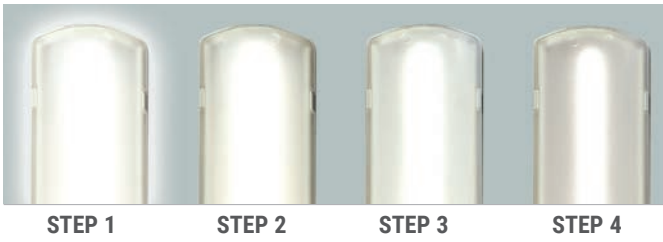
Flux/Power	S			M			L		
	lm	W	lm/W	lm	W	lm/W	lm	W	lm/W
STEP 1	5500	41	134	7000	53	132	8000	59	136
STEP 2	5000	36	139	6500	47	138	7500	53	142
STEP 3	4500	32	141	6000	44	136	7000	50	140
STEP 4	3500	25	140	5500	39	141	6500	45	144

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

SPECIAL VARIANTS - on request

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

ACCESSORIES - included
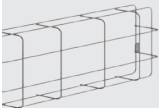
CABLE GLAND M20	SMART DIMMER LIGHT SENSOR Order Code **15039**

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
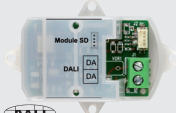
Order Code **3504**

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**

EMERGENCY LED INVERTERS - 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`

10
B
9

10
B
7

10
B
5

10
B
3

11
C
3

11
C
1

11
B
11

11
B
9

11
B
7

11
B
5

11
B
3

055 waterproof ceiling lights

Acciaio

NuBe

| IP66 | IK09 | 950° | +50°C -30°C | +40°C -20°C | Ⓔx |

AUTODIMMER SD - X -

☆ 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

cd/klm
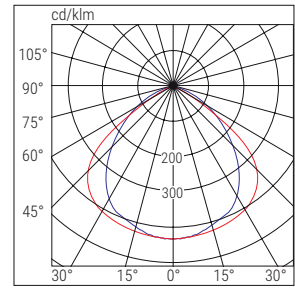
■ C0-C180
■ C90-C270
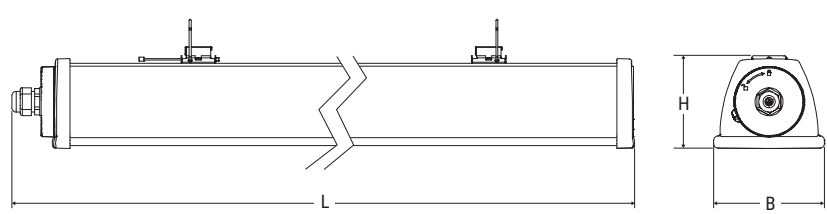
Size	Dimensions mm		
	L	B	H
M	1225	108	90
L	1565	108	90

	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	⫫	**AUTO-DIMMER**
	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	(Ex) ⫫	
RD	M	A236ED	STEEL LED ADJUSTABLE 2x36 4K	36	4000	>80	5400	4400	122	3.2	1		**ADJUSTABLE**
	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**	**DALI**

RD VERSIONS, MANUALLY ADJUSTABLE FLUX/POWER AT 4 STEPS

STEP 1 STEP 2 STEP 3 STEP 4

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** SD

ACCESSORIES - to be ordered separately

DIFFUSING SCREEN 1200 - 1500

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

SWIVEL BRACKET
2 pieces

Order Code **20122**
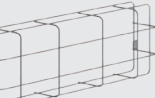
DOUBLE INLET FITTING M20

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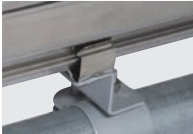When installing grilles with the luminaire installed on a bus bar, use: Bracket **8063/1** for the M version - Bracket **8063/2** for the L version

Acciaio

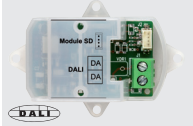## BUILDING AUTOMATION - to be ordered separately

LOGICA SD LGFM CONTROL UNIT

NuBe

Order Code **21102**

SD

DALI MODULE

Order Code **15024**

SD

BUILDING AUTOMATION RADIO TRANSMITTER

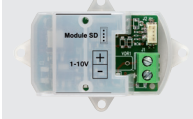Order Code **20104**

SD

1÷10V MODULE

Order Code **15034**

SD

BUILDING AUTOMATION RADIO MODULE

Order Code **15022**

SD

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

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

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

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

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

TR

Acciaio Extreme

NuBe

⭐ 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

| IP66 | IK09 | 🔥950° | 🌡+50°C -30°C | Ⓔx |

DERATING

AUTODIMMER SD - X -

cd/klm
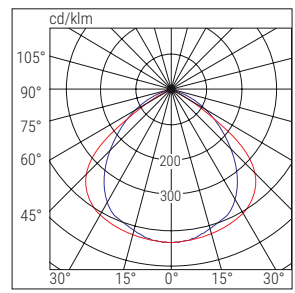
■ C0-C180
■ C90-C270
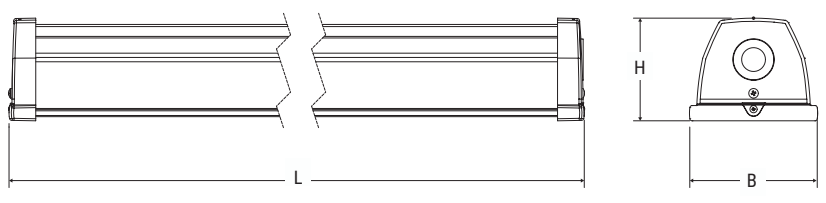
Size	Dimensions mm		
	L	B	H
M	1199	109	88
L	1484	109	88

	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)	**AUTO-DIMMER**
	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)	

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
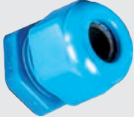
ACCESSORIES - included

SMART DIMMER LIGHT SENSOR
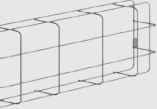
Order Code **15040** **SD**

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 NuBe

Order Code **21102** **SD**

DALI MODULE

Order Code **15024** **SD**

BUILDING AUTOMATION RADIO MODULE

Order Code **15022** **SD**

1÷10V MODULE

Order Code **15034** **SD**

BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104** **SD**

EMERGENCY LED INVERTERS - 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**

BS240

NUBe

IP66   IK18   ⋀850°

DERATING
🌡 +50°C
   -20°C

AUTODIMMER
SD
- X -

⭐ 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
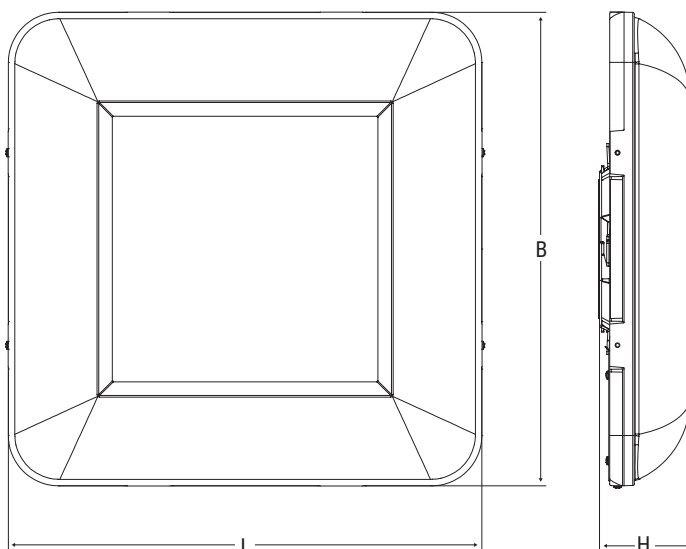
Dimensions mm		
L	B	H
443	443	85

BS240

cd/klm
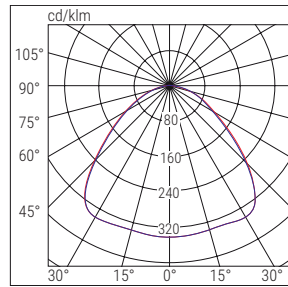
■ C0-C180   ■ C90-C270

BS240 PARKING

cd/klm

■ 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**   SD

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

BUILDING AUTOMATION - to be ordered separately

LOGICA SD LGFM CONTROL UNIT NUBe	Order Code **21102** SD
BUILDING AUTOMATION RADIO TRANSMITTER	Order Code **20104** SD
BUILDING AUTOMATION RADIO MODULE	Order Code **15022** SD
DALI MODULE	Order Code **15024** SD
1÷10V MODULE	Order Code **15034** SD

EMERGENCY LED INVERTERS - 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

Flood Mini

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, residential

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

| IP66 | IK09 | 960° | +40°C -20°C |
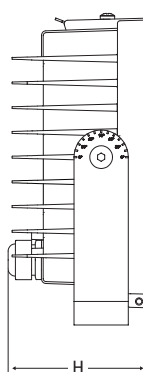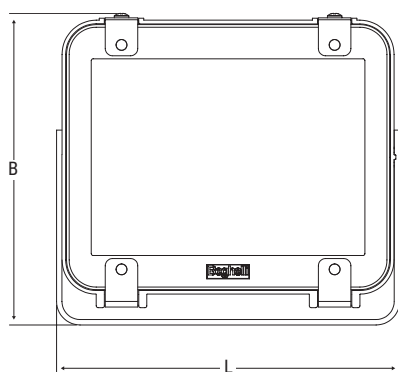
Dimensions mm		
L	B	H
190	173	75.5

FLOOD MINI ASYMMETRICAL OPTICS

cd/klm
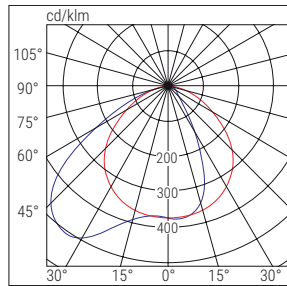
■ C90-C270　　■ C0-C180

FLOOD MINI SYMMETRICAL OPTICS
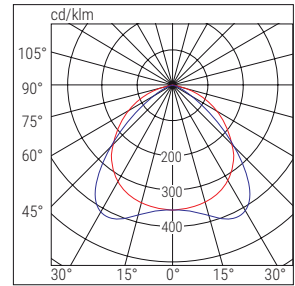
cd/klm

■ 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	
	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
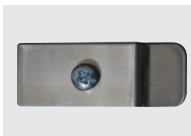
VANDAL-PROOF SCREWS

GONIOMETRIC BRACKET

M20 CABLE GLAND WITH VENT VALVE

ACCESSORIES - to be ordered separately

BUILDING AUTOMATION REMOTE CONTROL RECEIVER

Order Code **20108**

EMERGENCY LED INVERTERS - to be ordered separately

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

Order Code **19368** (3h)　　TR

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

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

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

LGFM EMERGENCY MODULE
For AT/LG series inverters only

Order Code **19375**　　LGFM

INVERTER COVER IP65

Order Code **19376**

FH-M

NUBe

IP66	IK09	⋀ 960°	**SD** DERATING +60°C -30°C	**RD** +40°C -20°C	EMERGENCY +40°C 0°C

AUTODIMMER **SD** RADIO

☆ 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, residential

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
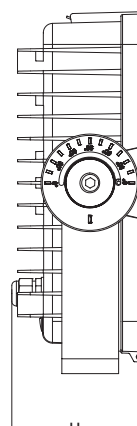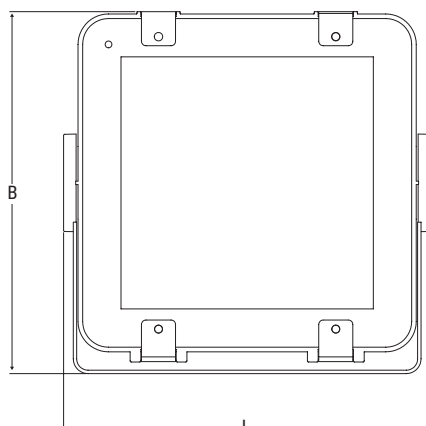
Dimensions mm		
L	B	H
323	319	116

FH-M ASYMMETRIC OPTICS

cd/klm
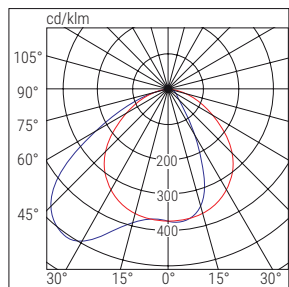
■ C90-C270 ■ C0-C180

FH-M SYMMETRIC OPTICS
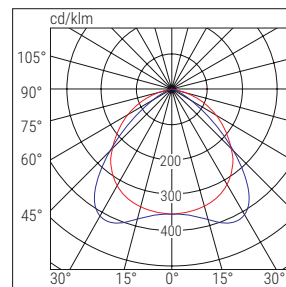
cd/klm

■ 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

STEP 1 **STEP 2** **STEP 3** **STEP 4**

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

FH-M

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 NuBe SD Order Code **21102**	**BUILDING AUTOMATION RADIO TRANSMITTER** SD 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

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

FH-L

NuBe

☆ 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, residential

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

| IP66 | IK09 | △960° | **SD** DERATING +60°C -30°C | **RD** +40°C -20°C | EMERGENCY +40°C 0°C |

AUTODIMMER SD RADIO
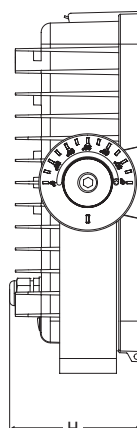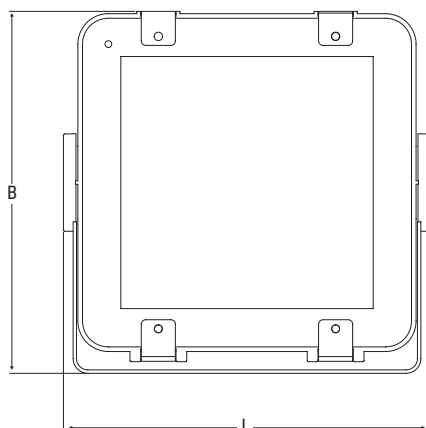
Dimensions mm		
L	B	H
348	434	121

FH-L ASYMMETRIC OPTICS
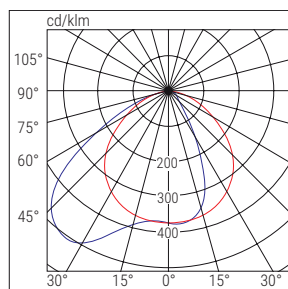
■ C90-C270   ■ C0-C180

FH-L SYMMETRICAL DIFFUSING OPTICS
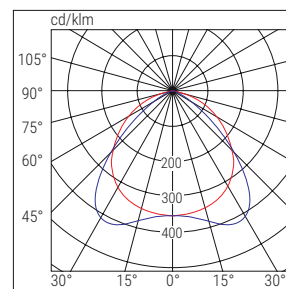
■ C90-C270   ■ C0-C180

	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**	**DALI**

RD VERSIONS, MANUALLY ADJUSTABLE FLUX/POWER AT 4 STEPS

STEP 1   STEP 2   STEP 3   STEP 4

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

FH-L

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**

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
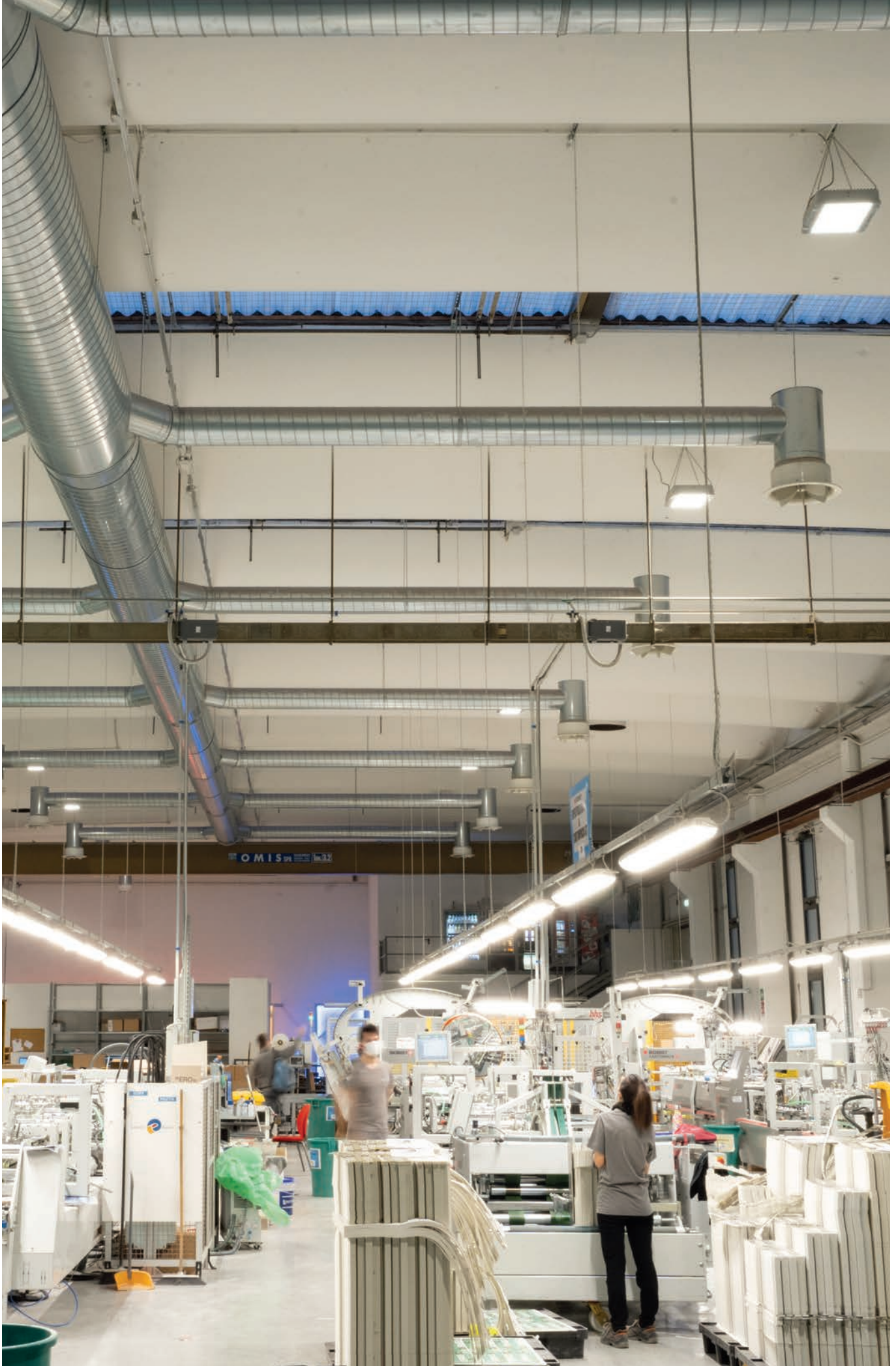
075 outdoor floodlights

Power Light

NuBe

☆ 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.

IP66   IK09   960°   +40°C -20°C

SD RADIO

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
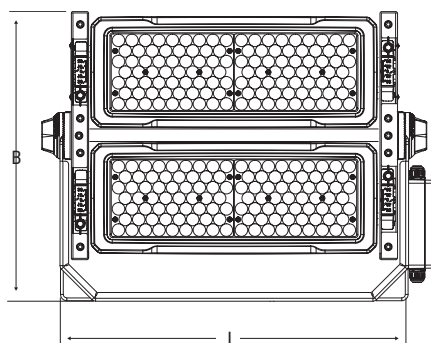
300-400W VERSION
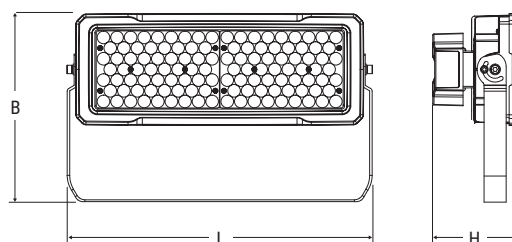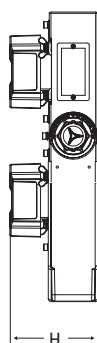
250W Version

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

250W VERSION

cd/klm
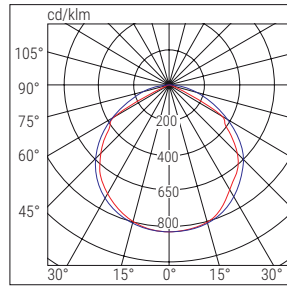
■ C0-C180   ■ C90-C270

300-400W VERSION

cd/klm
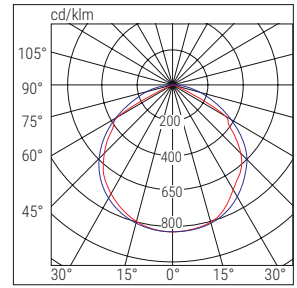
■ C180-C270   ■ C90-C270

	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

SD

M20 CABLE GLAND WITH VENT VALVE

GONIOMETRIC BRACKET

ACCESSORIES - to be ordered separately

250-300W CURVED BRACKET

Order Code **40930**

POLE MOUNT

Order Code **40932**

400W CURVED BRACKET

Order Code **40931**

LASER POINTER

Order Code **40933**

BUILDING AUTOMATION - to be ordered separately

LOGICA SD LGFM CONTROL UNIT

NuBe   SD

Order Code **21102**

BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**   SD

H-PRO

NUBE

⭐ 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)
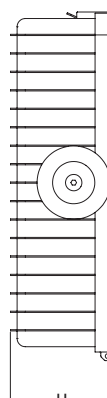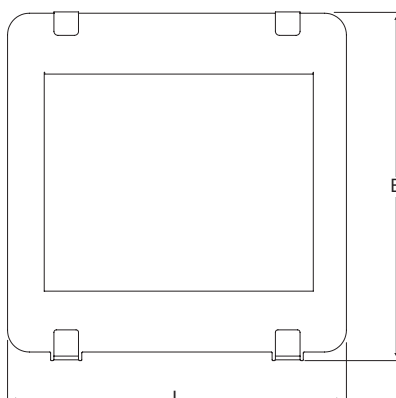**Colour stability** 3 SDCM
Mounting Floor, wall, lighthouse towers
Housing Polyester powder-coated die-cast aluminium, RAL 7040
Optics Parabolic blades, made of anti-iridescent polished anodised aluminium. Diffusing, concentrating, elliptical.
Screen Tempered glass prism, 4mm
Compliance EN 60598-1, EN 60598-2-1, EN 60598-2-22, DIN 18031-3, EN 62471 (photobiological risk-free), 2014/53/EU
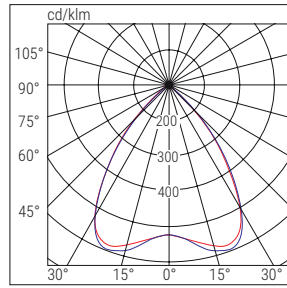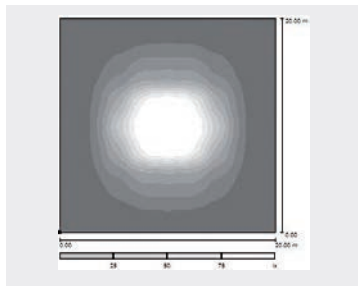
IP66	IK09	960°	SD DERATING +60°C / -30°C	RD +40°C / -20°C	EMERGENCY +40°C / 0°C

AUTODIMMER SD RADIO

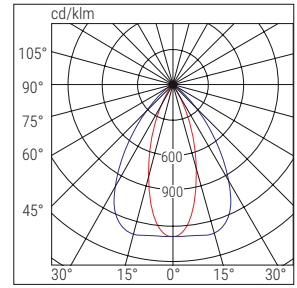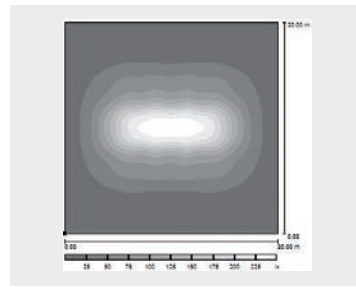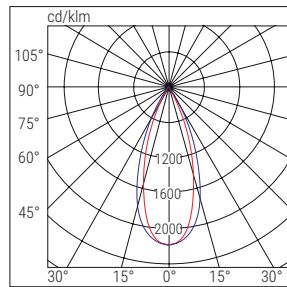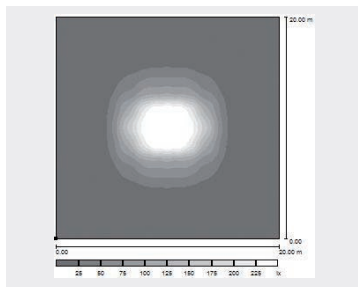| Dimensions mm		
L	B	H
436	434	121

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	**AUTO-DIMMER**
	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	**ADJUSTABLE**
	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**											**DALI**

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

STEP 1   STEP 2   STEP 3   STEP 4

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.

H-PRO

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
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 NUBe Order Code **21102** SD	**BUILDING AUTOMATION RADIO TRANSMITTER** Order Code **20104** SD

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

NuBe

⭐ 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.

SD - X -

IP65 | **IK09** | ⋀ **960°** | 🌡 **+50°C -25°C**

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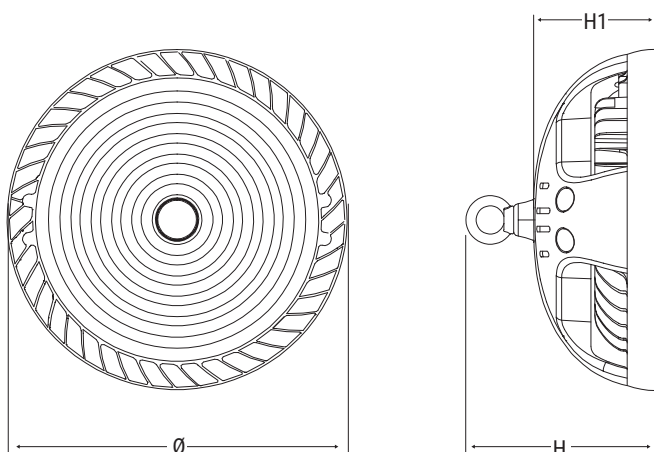
Version	Order code	Dimensions mm		
		H	H1	Ø
SD	40224-40225	207	148	300
	40226-40227	229	165	360
ED	40204-40205	167	108	300
	40206-40207	189	125	360

240W VERSION

cd/klm

■ C0-C180   ■ C90-C270

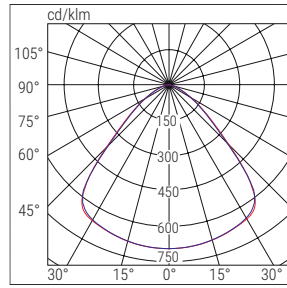| Order Code	Description	Power W	Colour temp. K	Chromatic yield	LED Flux lm (Tj=25°C)	Luminaire flux lm	Brightness efficiency lm/W	Weight Kg	Packaging Single/ Multi pack	Notes and compliance	
40224	HIGHBAY HP 100W 90° 4K SD	100	4000	≥80	16500	14000	140	3.9	1	90° Optics	AUTO-DIMMER (*)
40225	HIGHBAY HP 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	
40204	HIGHBAY HP 100W 90°0-10V 4K ED	100	4000	≥80	16500	14000	140	4.2	1	90° Optics	ON / OFF
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   SD

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   NuBe   SD

Order Code **21102**

BUILDING AUTOMATION RADIO TRANSMITTER   SD

Order Code **20104**

Strada
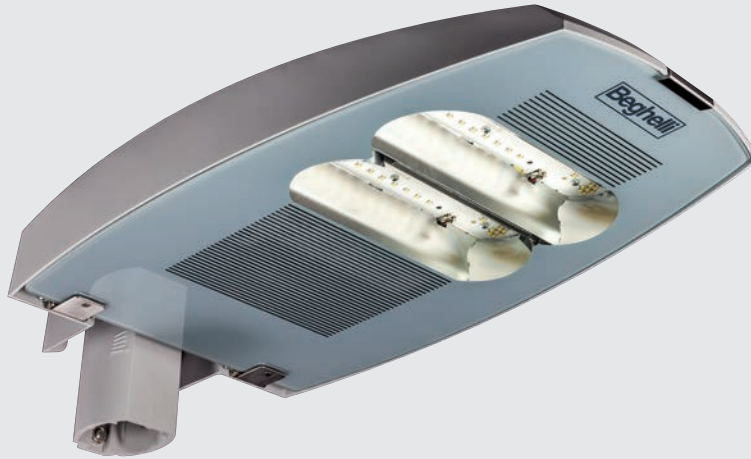
NuBe

⭐ 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

| IP66 | IK09 | 960° | ▣ | +40°C -20°C |

SD - X -
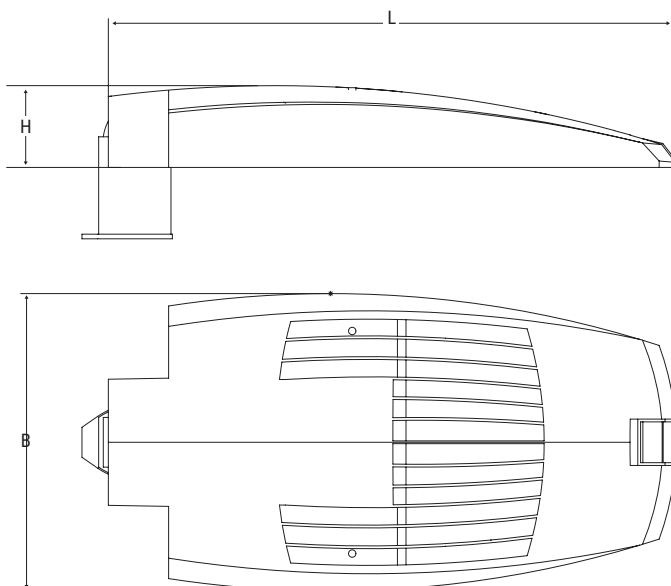
Dimensions mm		
L	B	H
611	320	88

URBAN/EXTRA-URBAN STREET OPTICS
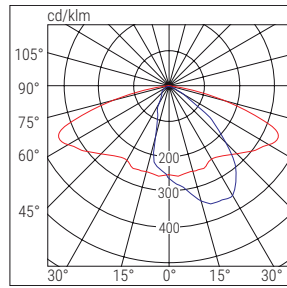
● C0-C180   ■ C90-C270

LONG BEAM URBAN/EXTRA-URBAN OPTICS
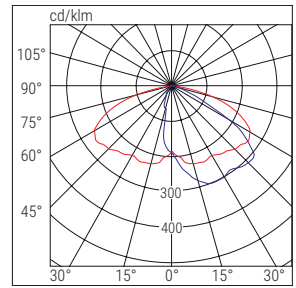
● C0-C180   ■ C90-C270

URBAN/CYCLING PATH/PARKING OPTICS
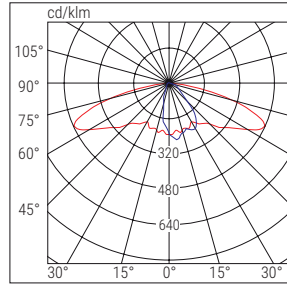
● C0-C180   ■ C90-C270

	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**

Strada

## ACCESSORIES - included

	M20 CABLE GLAND WITH VENT VALVE

BUILDING AUTOMATION - to be ordered separately

	LOGICA SD LGFM CONTROL UNIT NUBe		DALI MODULE
	Order Code **21102** SD		Order Code **15024** SD
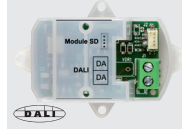
	BUILDING AUTOMATION RADIO TRANSMITTER		1÷10V MODULE
	Order Code **20104** SD		Order Code **15034** SD
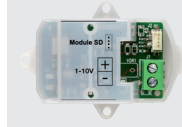
	BUILDING AUTOMATION RADIO MODULE
	Order Code **15022** SD

Centrostrada

NuBe

IP66 | IK09 | △960° | ▢ | 🌡 +40°C / -20°C

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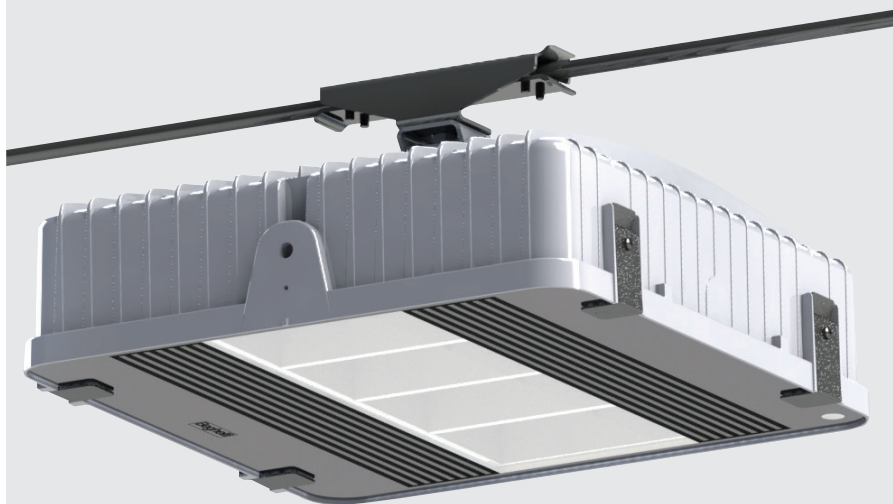
☆ Street furniture with centralised control management, in harmony with the new smart city concept. Characterised by high mechanical and chemical resistance. Luminaire designed to withstand vibration and magnetic disturbance.

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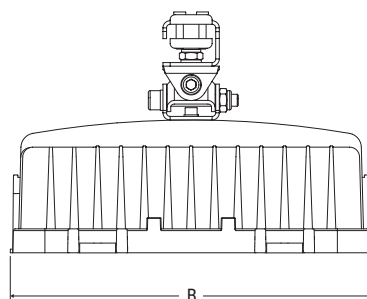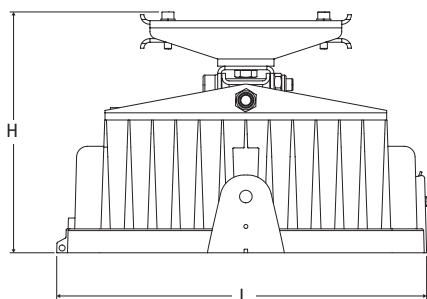
Version	Dimensions mm		
	L	B	H
50/70W	309	302	201
100/150/250W	425	417	221

URBAN OPTICS
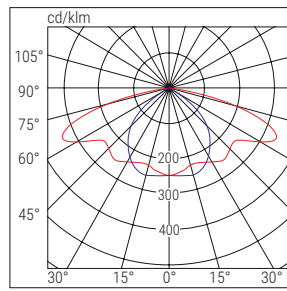
cd/klm

■ 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

M20 CABLE GLAND WITH VENT VALVE

SWIVELLING TENSIONED ROPE BRACKET (-20° +20°)

ACCESSORIES - to be ordered separately

PROTECTIVE GRILLE

Order Code **12657** (Version 50/70)
Order Code **12658** (Version 100/150)

BUILDING AUTOMATION - to be ordered separately

LOGICA SD LGFM CONTROL UNIT　　NuBe

Order Code **21102**　　SD

DALI MODULE

Order Code **15024**　　SD

BUILDING AUTOMATION RADIO TRANSMITTER

Order Code **20104**　　SD

1÷10V MODULE

Order Code **15034**　　SD

BUILDING AUTOMATION RADIO MODULE

Order Code **15022**　　SD

Key to symbols

GENERAL CHARACTERISTICS: MEANING OF SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
NuBe	Single cloud platform for the remote management of all lighting and emergency lighting systems.	(SanificaAria)	SanificaAria series hybrid luminaires incorporating a UV-C flow cell air sanitisation system.
AUTODIMMER SD -X-	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.
AUTODIMMER SD RADIO	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.	(versatility)	Luminaires with special features for versatility of use.
SD -X-	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.	(beam)	Luminaires with special lighting characteristics. High luminous flux and beam control.
		(mounting)	Luminaires with special mounting solutions, in terms of installation speed and/or multiple connections or through-wiring.
SD RADIO	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.	(HCL-CCT)	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.
SD	Luminaires with Smart Driver.	IP66	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.
RD	Luminaires with a driver adjustable in 4 power steps to modulate the luminous flux. These luminaires have flux setting switches.	IK09	Protection rating against impact according to EN 50102.
ED	Luminaires with a 0÷10V standard LED Driver with fixed or dimmable lighting.	⋀ 850°	Resistance temperature of the luminaire at the Glow Wire Test according to IEC EN 60598-1.
DALI	Luminaires with DALI communication protocol	▣	Luminaires in which protection against electric shock is guaranteed by an Insulation Class II built.
TR	Device that integrates the luminaire with emergency lighting, in the standard TR version For more information, see the Emergency section	+40°C -20°C	General temperature range in which the luminaire maintains its characteristics correctly.
AT	Device that integrates the luminaire with emergency lighting, in the self-testing AT version. For more information, see the Emergency section.	CRI>90	Colour rendering index.
LG	Device that integrates the luminaire with emergency lighting, in the Logica LG version. For more information, see the Emergency section.	UGR<19	Anti-glare index.
LGFM	Device that integrates the luminaire with emergency lighting, in the LGFM Radio Logica version. For more information, see the Emergency section.	(ENEC)	European quality label. Voluntary certification to testify to the quality of the product and the production chain.
		(Ex)	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**.
		FLICKER FREE	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

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

* For the commercial conditions, please contact the Beghelli sales network

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

Legend: ✅ 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 · CERTIFIED IQNet MANAGEMENT SYSTEM · CSQ eco UNI EN ISO 14001 · ECO POLIETILENE Consorzio per la raccolta di beni in polietilene · SISTEMA ECOLIGHT INSIEME PER L'AMBIENTE · UNI ·

Dealer IMQ mark · Partner DIALux · Associate: ANIE · Assil ·