

GENERAL CATALOGUE 2020



**LINERGY**  
EMERGENCY LIGHTING



SEE THE  
DARKNESS  
IN A  
DIFFERENT  
LIGHT

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# ONGOING GROWTH UNDER THE MADE IN ITALY BANNER





Linery, for over 20 years a leading Company in the emergency lighting, has always believed in the future. Since its beginnings, big resources and investments have been dedicated to Research & Development activity. Over the years, having introduced highly successful products such as LEDY, PRODIGY and the prestigious VIALED series, Linergy has grown steadily in the international market. A milestone in its

production is the SPY CENTER, a line of Central Battery Systems which is still in evolution today with new improved versions. The range of products offered has become wider and wider with time, with the introduction of highly specialized and innovative solutions in terms of aesthetics, design and technology: a new model of Vialed with 68mm diameter plate, the Free lamp series for houses, and the new Flag, a signalling product.



As of today, Linergy boasts a complete range of products and accessories for all types of application. It conceives, plans, manufactures and markets its own products in total autonomy.

Partner for technical training

**TUTTO NORMEL**



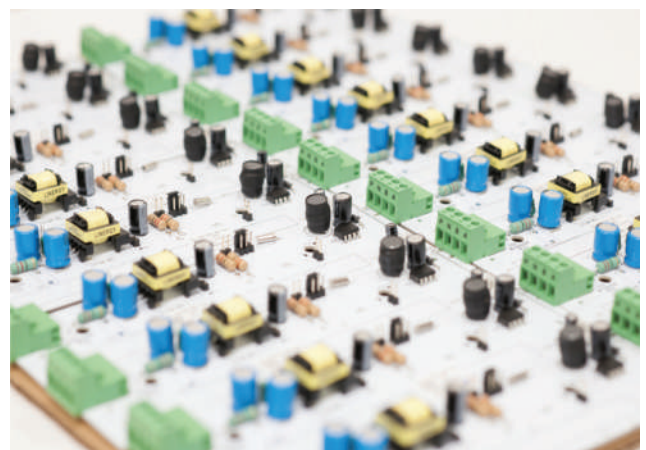






# PASSION, RESEARCH AND INNOVATION

**T**he entire production process undergoes stringent tests which guarantee the high quality of the products. In addition to testing every single component, Linergy tests all the electronic boards with a totally computerized system and a functional test is always executed on each finished product.









# SUPPORTS AND SERVICES

[www.linergy.it](http://www.linergy.it)



## **Express courier delivery**

Orders are dispatched within 5 business days using an entrusted express courier delivery, which guarantees delivery within 24 hours over the entire Italian territory.

## **Sales network**

Linergy provides immediate technical and sales assistance via a network of agencies which covers the entire Italian territory.

## **Customer support**

Post-sales support allows Linergy to be with you in the handling and solving of any potential problems.

**info@linergy.it** - General enquiries

**support@linergy.it** - Technical assistance

**documentation@linergy.it** - Automated reply service for quickly downloading the most updated technical and commercial material. Write "Documentation" in the object.

**illuminotecnica@linergy.it** - To request lighting calculations.

## **Technical assistance line**

A technical assistance helpline managed directly by the company is available to all customers.

Switchboard **+39 0735 5974**

Products technical assistance **+39 0735 597424**

**+39 0735 597458**

Spy Center systems technical assistance **+39 0735 597454**

Spy System systems technical assistance **+39 0735 597425**

Lighting systems design **+39 0735 597427**

**+39 0735 597428**

**+39 0735 597429**



**WHATSAPP TECHNICAL SUPPORT**

**+39 334 1133875**

From Mondays to Fridays

from **9 am** to **12.30 pm** and from **2 pm** to **5.30 pm**.

The number is not enabled to receive phone calls.







## Centralized supervision systems

Centralized supervision systems are systems in which a central unit controls and/or powers all the luminaires in a safety lighting installation.

The **Spy System central units** represent the most updated system for managing, supervising and maintaining an emergency lighting installation with self contained luminaires.

**Spy System Wireless** is an advanced radio supervision system for emergency installations with self contained luminaires. Unlike the traditional Spy System, it allows wireless communication by creating a radio network with mesh technology.

The line of central units **Spy Center suits** all those cases when it's needed or convenient to have an installation

with centralized power and/or control capability.

This line of systems offers a choice of very low voltage versions, Low Power System versions, or high power versions.

Many emergency luminaires which conform to the **DALI** standard are available for safety installations controlled via this protocol.

PRODUCT	SERIES	CENTRAL SUPPLY	CENTRAL CONTROL	EMERGENCY LUMINAIRES	USE WITH LUMINAIRES WITH FUNCTION	MAX LUMINAIRES	OUTPUT VOLTAGE	OUTPUT LINES	INSTALLATION
SPY SYSTEM - page 14	SPY SYSTEM (CENT.)		✓		SPY SYSTEM	1280		2 (expandable)	WALL MOUNTED
	SPY SYSTEM (PRO)		✓		SPY SYSTEM	1280		2 (expandable)	RACK
	SPY MINI		✓		SPY SYSTEM	170 (expandable)		2 (expandable)	DIN GUIDE
	SPY MINI PLUS		✓		SPY SYSTEM	170 (expandable)		2 (expandable)	DIN GUIDE
	SPY MICRO		✓		SPY SYSTEM	30		1	DIN GUIDE
SPY SYSTEM WIRELESS - page 24			✓ (via radio)		SPY SYSTEM WIRELESS	1280			DIN GUIDE
SPY CENTER EVO - page 30		✓	✓ (on circuit)		CENTRAL BATTERY		216 Vdc (230 Vac w/ AC supply)	128 (max)	FLOOR
		✓	✓ (on luminaire)		SPY CENTER	2560	216 Vdc (230 Vac w/ AC supply)	128 (max)	FLOOR
SPY CENTER LPS - page 34		✓	✓ (su circuito)		CENTRAL BATTERY		216 Vdc (230 Vac w/ AC supply)	4/8	WALL MOUNTED
		✓	✓ (on luminaire)		SPY CENTER	160	216 Vdc (230 Vac w/ AC supply)	4/8	WALL MOUNTED
SPY CENTER LPS COMPACT - page 38		✓	✓ (on circuit)		CENTRAL BATTERY		216 Vdc (230 Vac w/ AC supply)	8	WALL MOUNTED
		✓	✓ (on luminaire)		SPY CENTER	160	216 Vdc (230 Vac w/ AC supply)	8	WALL MOUNTED
SPY CENTER 24 - page 42		✓	✓ (on luminaire)		SPY CENTER 24	160	24 Vdc	8 (max)	WALL MOUNTED
SPY CENTER BASIC - page 44		✓			CENTRAL BATTERY		230 Vac	2 (1 N/M - 1 M)	FLOOR
DALI - page 28				✓	DALI				



# Spy System



Control system for managing and supervising installations with self contained luminaire

Very user-friendly graphic interface

Possibility to turn on/off and change the light intensity of maintained LED luminaires

In combination with luminaires of the Spy System family (control occurs on each luminaire)

CE IP20

## TECHNICAL FEATURES

- Control system for monitoring emergency lighting installations
- System compliant to norms EN 50172 and UNI 11222

## SPY SYSTEM SERIES



## ADVANTAGES

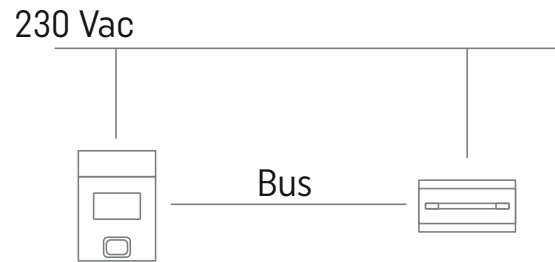
- Automatic luminaire acquisition
- Very user-friendly graphic interface
- Complete programmability of the central unit's operating modes
- Complete programmability of the times and days the tests are to be carried out
- Non-volatile historic memory of the events and tests carried out on the system
- Possibility to switch ON/OFF and to change the light intensity of maintained luminaires
- Data exchange with luminaires on two-wire data buses with safety protocol
  - 2 and 4 way repeater modules
- Built-in web server for system management via internet
  - Possibility of remote connection via modem
  - System wireless interface
    - MODBUS
    - KONNEX
- Possibility to update central unit software

 [support@linergy.it](mailto:support@linergy.it) | direct assistance (+39) 0735 597425



## SYSTEM COMPOSITION

- The Spy System central unit must be used in conjunction with luminaires of the Spy System family.
- The central unit can monitor and control each luminaire.



Test management allows to choose the test day and time for each of the 32 groups into which the system is divided. It was conceived to be easily integrated with modern building automation systems. In fact, it has an Ethernet port with TCP/IP protocol: the standard for all modern technological systems. The station is also equipped with a Web Server for access to all of its functions via internet, using a common browser.

### PERIODIC SYSTEM TESTS

Spy System controls the efficiency of the emergency system in compliance with EN 50172 and UNI 11222. It signals and records any anomalies that the system displays by running two types of periodic tests on the connected emergency luminaires:

#### 1. Functional test

The general operation of the lamp is tested, especially the light source. A negative result indicates that the light source has to be replaced.

#### 2. Duration test

A shortage of electrical energy is simulated. The luminaire is lit via the internal battery until it is completely discharged. In this way, it is possible to measure the real autonomy of the emergency luminaire and compare it with nominal. The failure of this test indicates that the battery should be replaced.

The station is set-up to carry out the functional test every 15 days and the duration test every 90 days. These

frequencies can be varied to ones liking by operating on both the entire system and groups of luminaires. Even the parameters for the running of the test can be changed. For example, the 2-hour duration test can be arranged for a 3-hour duration luminaire if such duration is required for the specific application. In this way, it is possible to have a system that lasts longer over time.

### EVENT LOG

The station manages a complete event log on non-volatile memory. In addition to the test results, all the events that occur on the system, such as emergency interventions or any inhibitions, are memorized.


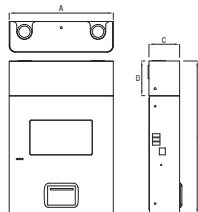

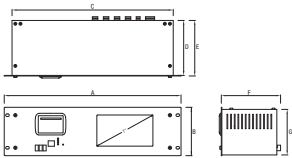


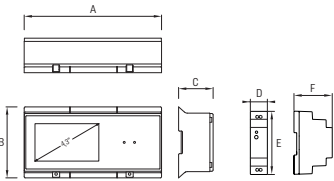

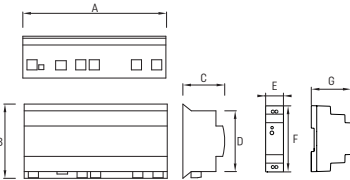

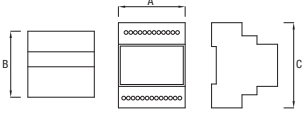


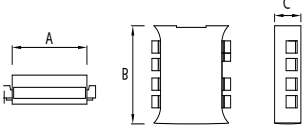
The event log can be viewed on the display and printed on the built-in printer. By connecting to an on-site PC or remotely via the intranet/internet network, the event log can be accessed and copied onto the PC for subsequent elaborations.

### WEB SERVER

To connect with the SPY SYSTEM station, whether it is PC linked to the station via local network or internet, no specific program is necessary. In fact, the station is equipped with a web server that allows access to all the functionalities. With the use of a common browser for Internet (for example, Firefox or Internet Explorer), it works with all operating systems, Windows, Mac or Linux. Maximum flexibility and minimum cost.



## COMPARISON BETWEEN THE VARIOUS SPY SYSTEM MODELS

VERSION	ORDER CODE	SHORT CODE	DISPLAY	PRINTER	MAX LUMINAIRES	INSTALLAT.	PROTECTION RATING	DIMENSIONS
	SSCENT-00 SSCENT-PR	SS 1101 SS 1102	YES YES	NO YES	1280 1280	Wall Wall	IP20	 A=255 mm B=375 mm C=75 mm D=85 mm
	SSPRO-00 SSPRO-PR	SS 1201 SS 1203	YES YES	NO YES	1280 1280	19" Rack (4 Units) 19" Rack (4 Units)	IP20	 A=482 mm B=132 mm C=440 mm D=151,5 mm E=155,5 mm F=160 mm G=124 mm
	SSPRO-II	SS 1202	NO	NO	1280	19" Rack (1 Unit)	IP20	 A=465 mm B=44 mm C=482,6 mm D=440 mm E=140 mm F=150 mm
	SSMINIPLUS SSMINIPLUS-00 SSMINIPLUS-170	SS 1301 SS 1302 SS 1303	YES YES YES	optional optional optional	98* 128* 170*	DIN rail DIN rail DIN rail	IP20	 A=213 mm B=110 mm C=53,5 mm D=25 mm E=93 mm F=56 mm
*Expandable with Expander, see pag. 20								
	SSMINI SSMINI-00 SSMINI-170	SS 1401 SS 1402 SS 1403	NO NO NO	optional optional optional	98* 128* 170*	DIN rail DIN rail DIN rail	IP20	 A=215 mm B=108 mm C=62 mm D=90 mm E=25 mm F=93 mm G=56 mm
*Expandable with Expander, see pag. 20								
	SSMICRO	SS 1501	NO	NO	30	DIN rail	IP20	 A=71 mm B=70,5 mm C=91 mm
Can be managed with Android and iOS devices via app downloadable from See page 22								
	SSW-ACCESS-POINT	A 315	NO	NO	128 wireles	DIN rail	IP20	 A=101 mm B=119 mm C=35,5 mm
Wireless bridge for Spy System units, see page 24								



## ACCESSORIES



**SS-VIEW** - Graphic supervision software for Spy System. Software for planimetric visualization and management of Spy System emergency installations. Possibility to upload planimetric images in order to precisely locate each luminaire and show its status.



**SS-KNX-CENT** - Hardware and software interface KONNEX SSCENT. Hardware and software interface for communicating via Konnex protocol. For Spy System series SSCENT and SSPRO.

**SS-KNX-MINI** - Hardware and software interface KONNEX SSMINI. Hardware and software interface for communicating via Konnex protocol. For Spy System series SSMINI and SSMINIPLUS.



**SS-MODBUS** - Software interface MODBUS/TCP SPY SYSTEM. Software interface for Spy System series for communicating via Modbus/TCP protocol.



**SWITCHBOX** - Device for sending personalized commands. External pre-configurable module used to send personalized commands with Spy System protocol to the luminaires in the installation. Communication via RS485.



**SSPRINTER** - Thermal printer for Spy System central unit. Printer module for SSMINI and SSMINIPLUS series. It can print three kind of reports concerning the state of the installation. It can be installed on a DIN rail.



**SS-REP-2** - Repeater module for RS485 bus, 2 channels, 128 luminaires each. Used to increase the size of the installation and to facilitate the wiring. Adding a repeater does not increase the maximum capability of the central unit.



**SS-REP-4** - Repeater module for RS485 bus, 4 channels, 128 luminaires each. Used to increase the size of the installation and to facilitate the wiring. Adding a repeater does not increase the maximum capability of the central unit.

**SS-EXP-1** - Bus expander, used to increase the number of lamps handled by the SPY MINI / MINI PLUS central units. It allows to add up to 2 lines and 64 luminaires to the maximum capacity of the central unit.

**SS-EXP-2** - Bus expander, used to increase the number of lamps handled by the SPY MINI / MINI PLUS central units. It allows to add up to 2 lines and 128 luminaires to the maximum capacity of the central unit.

**SS-EXP-3** - Bus expander, used to increase the number of lamps handled by the SPY MINI / MINI PLUS central units. It allows to add up to 4 lines and 256 luminaires to the maximum capacity of the central unit.

**SS-EXP-4** - Bus expander, used to increase the number of lamps handled by the SPY MINI / MINI PLUS central units. It allows to add up to 4 lines and 512 luminaires to the maximum capacity of the central unit.



**SSW-ACCESS-POINT** - Wireless Access Point Module for 128 luminaires. It is used to create the mesh wireless network and to manage the wireless luminaires. Adding the repeater does not increase the maximum number of luminaires that the central unit can manage.



**SSW-EXP** - Wireless Expander, used to increase the available number of luminaires in wireless installations controlled by SS MINI or SS MINI PLUS. It allows to add up to 128 wireless luminaires to the maximum capacity of the central unit.



**SSW-EXTENDER** - Wireless bus extender used to increase the range of the wireless signal in the mesh network.



**SS-ATTIVA4** - Start-up service for central units 4h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 4h assistance, Monday to Friday.

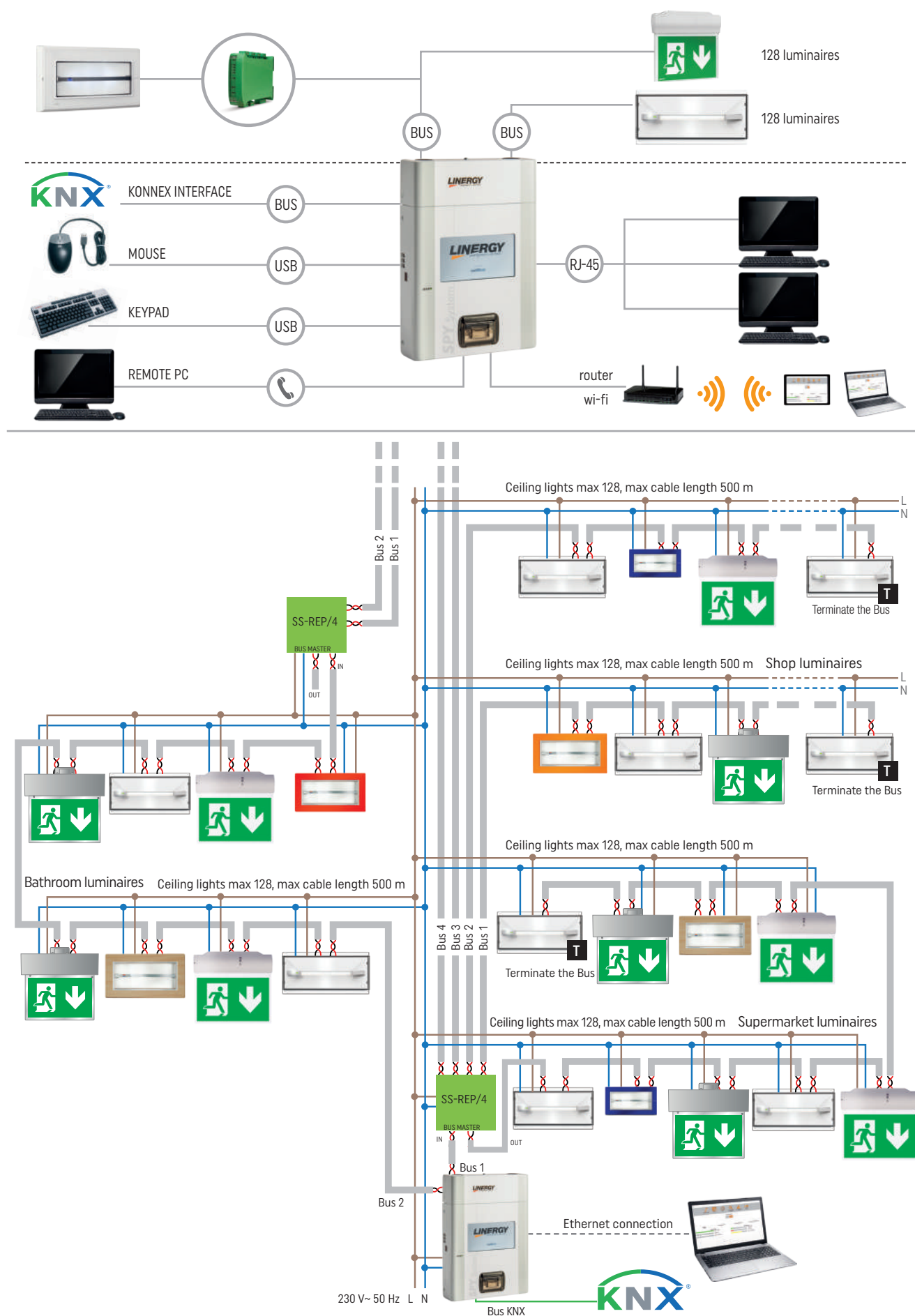
**SS-ATTIVA8** - Start-up service for central units 8h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 8h assistance, Monday to Friday.



**SCTRASFERTA** - International travel for system start-up with round trip expenses included. Linergy technician's domestic trip service. Round trip expenses included.

**SCTRASFERTA1** - International travel for system start-up with 1 day hotel booking. Linergy technician's domestic trip. Round trip and hotel booking expenses included.

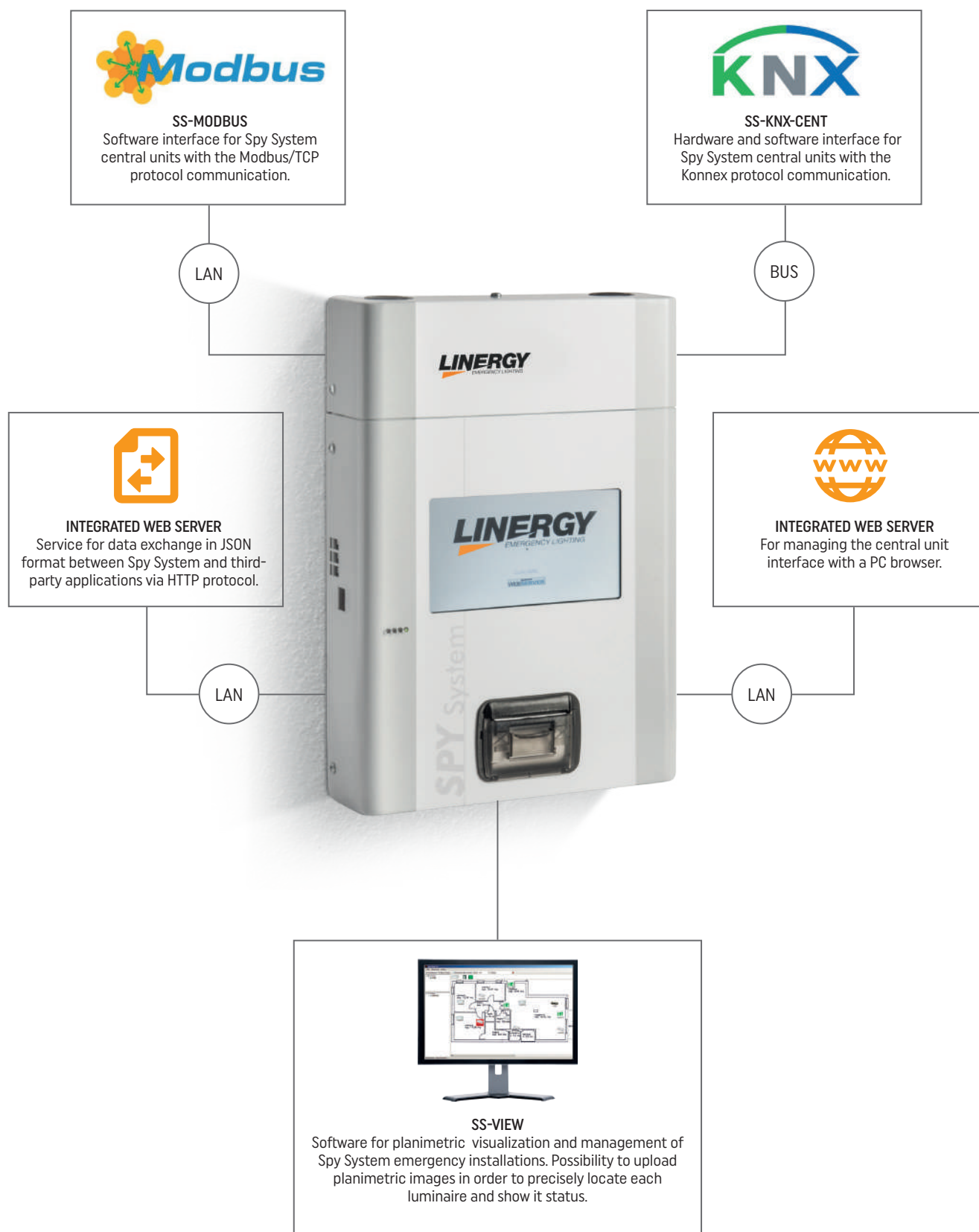
ORDER CODE	SHORT CODE	DESCRIPTION
SCTRASFERTA	A 112	INTERNATIONAL TRAVEL FOR SYSTEM START-UP
SCTRASFERTA1	A 113	INTERNATIONAL TRAVEL WITH 1 NIGHT FOR SYSTEM START-UP
SS-KNX-CENT	A 116	HW AND SW INTERFACE KONNEX SSCENT
SS-KNX-MINI	A 117	HW AND SW INTERFACE KONNEX SSMINI
SS-MODBUS	A 118	SW INTERFACE FOR TCP/MODBUS SPY SYSTEM
SS-VIEW	A 120	GRAPHIC SUPERVISION SOFTWARE SPYSYSTEM
SSPRINTER	A 121	PRINTER MODULE FOR SPY MINI
SS-REP-2	A 122	BUS REPEATER 2X128 256 LUMINAIRES
SS-REP-4	A 123	BUS REPEATER 4X128 512 LUMINAIRES
SWITCHBOX	A 124	COMAND FOR LIGHT LEVEL
SSW-REP4	A 269	BUS REPEATER 1X128 WIRELESS + 3X128 BUS
SSW-EXTENDER	A 270	SPY SYSTEM WIRELESS RANGE EXTENDER
SS-ATTIVA4	A 272	4H CENTRAL START-UP SERVICE
SS-ATTIVA8	A 273	8H CENTRAL START-UP SERVICE
SS-EXP-1	A 301	BUS EXTENDER 2 LINES + 64 ADDITIONAL LUMINAIRES
SS-EXP-2	A 302	BUS EXTENDER 2 LINES + 128 ADDITIONAL LUMINAIRES
SS-EXP-3	A 303	BUS EXTENDER 4 LINES + 256 ADDITIONAL LUMINAIRES
SS-EXP-4	A 304	BUS EXTENDER 4 LINES + 512 ADDITIONAL LUMINAIRES



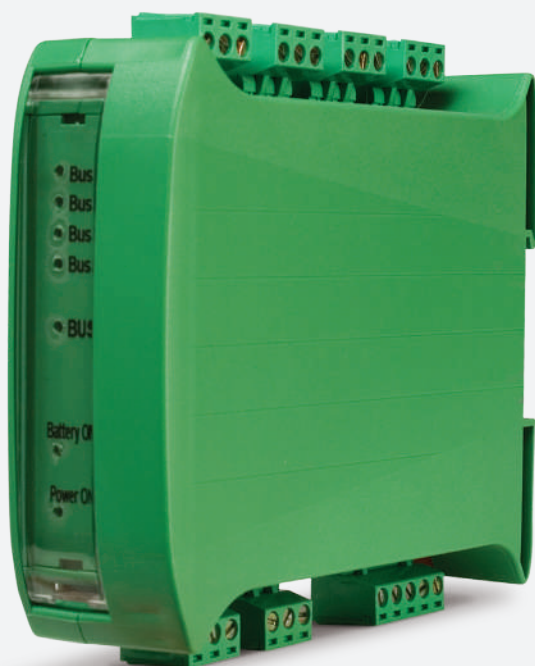




## INTEGRATION OF A CENTRAL UNIT IN A BMS SYSTEM



# Expander



**NEW**

Repeater module that allows to increase the capacity of the Mini and Mini Plus series central units

It make possible to add 2 or 4 lines and up to 512 luminaires for the connected central unit


It allows maximum flexibility because the luminaires in the installation can be distributed in a rational way throughout the extra lines

CE IP20



## MAXIMUM CAPACITY OF EXPANDER

MODEL	CAPACITY
SS-EXP-1	2 Lines + 64 Luminaires
SS-EXP-2	2 Lines + 128 Luminaires
SS-EXP-3	4 Lines + 256 Luminaires
SS-EXP-4	4 Lines + 512 Luminaires

ORDER CODE	SHORT CODE	DESCRIPTION
SS-EXP-1	A 301	BUS EXTENDER 2 LINES + 64 ADDITIONAL LUMINAIRES
SS-EXP-2	A 302	BUS EXTENDER 2 LINES + 128 ADDITIONAL LUMINAIRES
SS-EXP-3	A 303	BUS EXTENDER 4 LINES + 256 ADDITIONAL LUMINAIRES
SS-EXP-4	A 304	BUS EXTENDER 4 LINES + 512 ADDITIONAL LUMINAIRES

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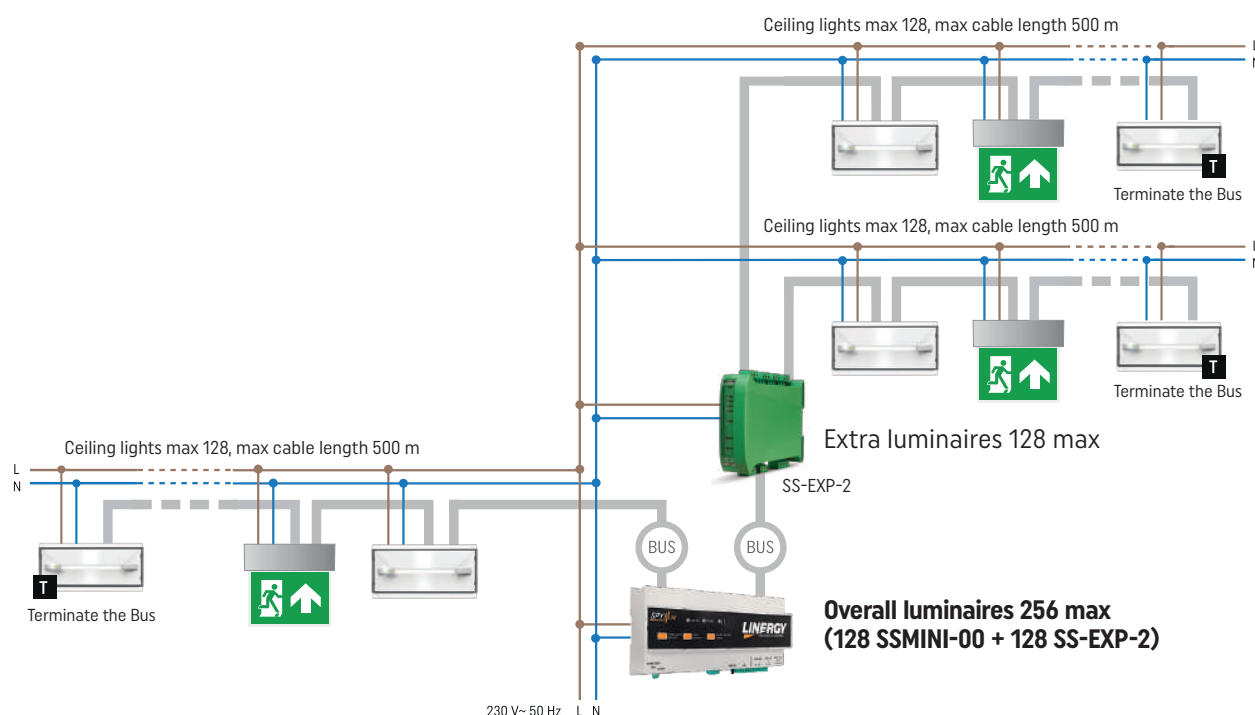
## MAXIMUM NUMBER OF LUMINAIRES MANAGEABLE BY CENTRAL UNIT AND EXPANDER

	CODE	STANDARD CAPACITY	CAPACITY WITH EXPANDER			
			SS-EXP-1	SS-EXP-2	SS-EXP-3	SS-EXP-4
	SSMINI	98	162	226	354	610
	SSMINI-00	128	192	256	384	640
	SSMINI-170	170	234	298	426	682
	SSMINIPLUS	98	162	226	354	610
	SSMINIPLUS-00	128	192	256	384	640
	SSMINIPLUS-170	170	234	298	426	682

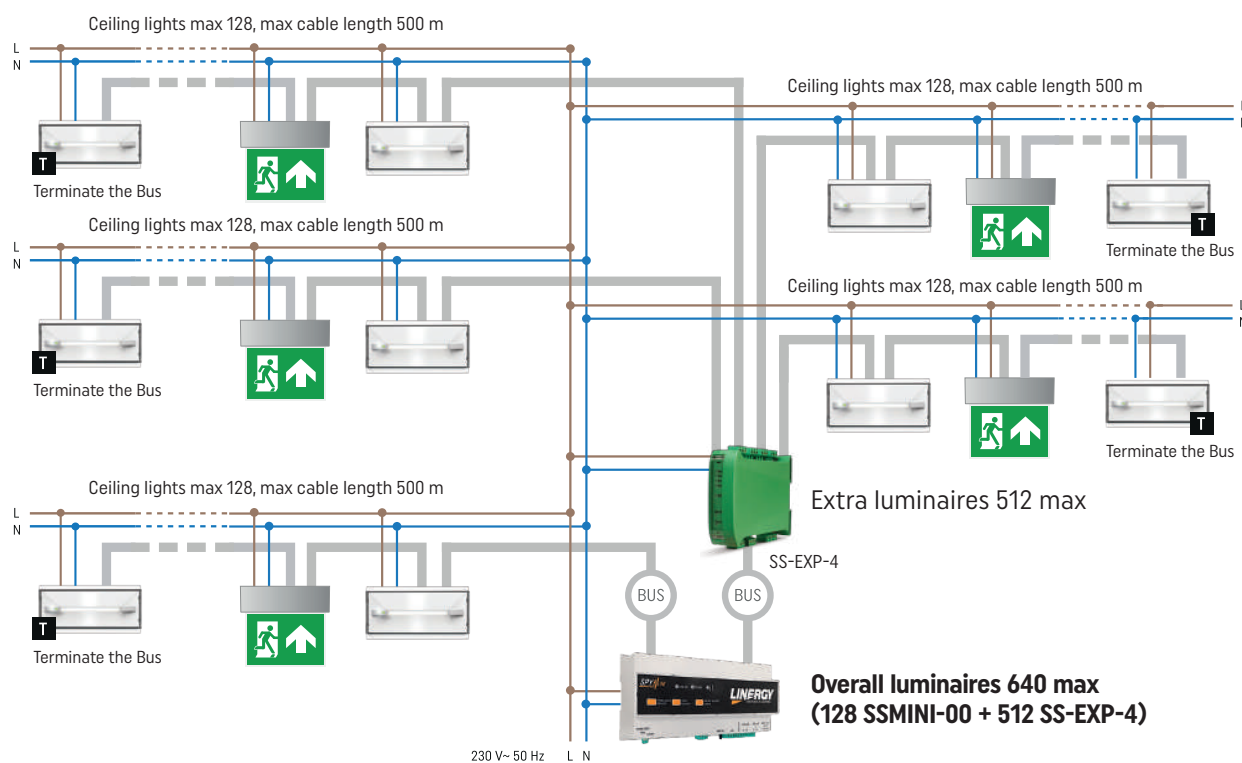
**Nota:** Maximum number of luminaires manageable = 682 (170 + 512)



## EXAMPLE OF CONNECTION DIAGRAM WITH BUS EXPANDER GIVING 2 EXTRA LINES (SSMINI-00 + SS-EXP-2)



## EXAMPLE OF CONNECTION DIAGRAM WITH BUS EXPANDER GIVING 4 EXTRA LINES (SSMINI-00 + SS-EXP-4)



**Note:** Linergy technical intervention is required for existing systems to update the central unit.

# Spy Micro



System for management and maintenance of small installations with self contained luminaires.

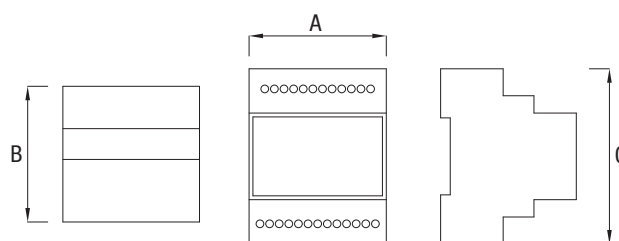
Delivery of installation reports via sms or email

In combination with luminaires of the Spy System line (control occurs on each luminaire)

CE IP20

## TECHNICAL FEATURES

- Power supply 230 Vac 50 Hz
- Absorption 2 VA
- App available for ios and android both on smartphone and tablet
- Printer: No
- Automatic luminaire acquisition
- Historic memory of all events and tests run on the resident system on smartphone
- Wi-Fi IEEE 802.11b/g interface
- Maximum battery operating temperature EN 60598-2-22
- 5 h duration in the absence of network
- Max. number of luminaires managed: 30 with single station
- Battery Li-FeP04
- Luminaire data bus: 2 polarized wires (twisted and shielded cable)
- Wi-fi connection
- Can be installed in the electric control boards on standard DIN guide
- External interfaces: Wi-Fi
- Possibility to switch on/off maintained Led luminaires
- Automatic device switch-off on completion of maintenance



A=71 mm B=70,5 mm C=91 mm

ORDER CODE	SHORT CODE	DESCRIPTION
SSMICRO	SS 1501	SPY MICRO CENTRAL UNIT, MAX 30 LUMINAIRES

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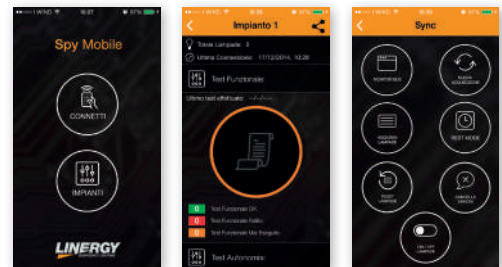
### MANUAL TESTS ON THE SYSTEM

Spy System controls the efficiency of the emergency system in compliance with EN 50172 and UNI 11222. It uses the APP to signal any anomalies that occur on the system.

### LOG BOOK

The station uses the APP to manage a complete events log. In addition to the test results, the application shows all the main events that occur on the system, such as emergency interventions or any inhibitions, are memorized.

### APP SPY MOBILE For iPhone, iPad, smartphone Android, tablet Android



### APP SPY MOBILE

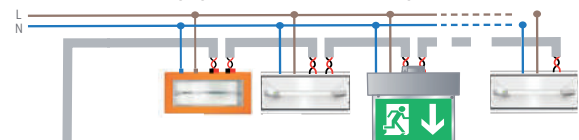


### SPY MICRO



BUS

Ceiling lights max 30, max cable length 500 m



### SPY MICRO WIRELESS

The Wireless interface can also be used with Spy Micro by means of SSW-ACCESS-POINT device.

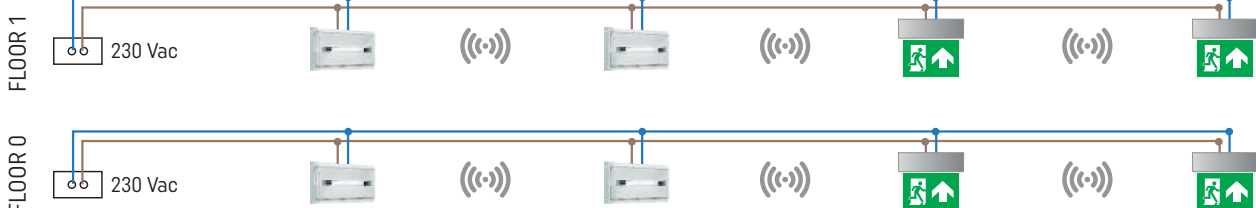
- Wireless control of luminaires
- Reduced installation times and costs
- Totally wireless connection
- Control by means of Spy Mobile app
- Up to 30 luminaires can be controlled
- High-performance certified frequency



BUS



SSW-ACCESS-POINT





# Spy System Wireless



Radio controlled system for managing and maintaining installations with self contained luminaires without bus cable

The communication frequency and the MESH network allow to easily overcome the typical environmental obstacles

Compatible with all Spy System central units

In combination with luminaires of the Spy System Wireless line (control occurs on each luminaire)



## WIRELESS SUPERVISION

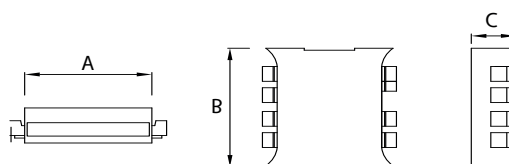
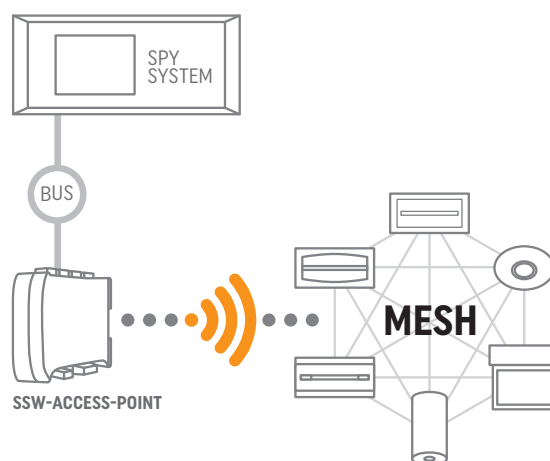
Spy System Wireless is an advanced radio supervision system for emergency installations with self-contained luminaires.

Unlike the traditional Spy System, communication is made without wires through the creation of a network with mesh technology.

The frequency used by the radio device and the type of structure created by the mesh network make it easy to overcome normal environmental obstacles.

This allows the positioning of the luminaires at points which would be out of reach with bus cable.

The system is based on the same operating principle as normal control units, to which must be added an Access Point (SSW-ACCESS-POINT) connected to the control unit via RS485 bus cable.



A=101 mm B=119 mm C=35.5mm

ORDER CODE	SHORT CODE	DESCRIPTION
SSW-EXTENDER	A 270	SPY SYSTEM WIRELESS RANGE EXTENDER
SSW-ACCESS-POINT	A 315	SPY SYSTEM WIRELESS ACCESS POINT
SSW-EXP	A 316	WIRELESS EXPANDER 128 ADDITIONAL APPLIANCES

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## TECHNICAL FEATURES

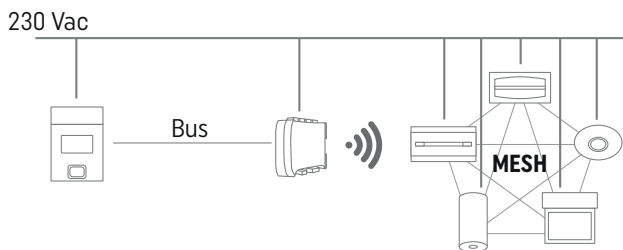
- Control system for monitoring emergency lighting installations
- System compliant to norms EN 50172 and UNI 11222
- Compliant to RED Directive 2014/53/EU
- Compliant to European standards: EN 300 220-2, EN 301 489-1, EN 301 489-3, EN 60950-1
- Operating frequency: 868 MHz

## ADVANTAGES

- Compatible with all Spy System central units
- The communication frequency and the MESH network allow to easily overcome the typical environmental obstacles
- Automatic luminaire acquisition
- It guarantees the same functions as the Spy System with bus

## SYSTEM COMPOSITION

- The Spy System central unit must be used in conjunction with an Access Point (SSW-ACCESS-POINT) and luminaires of the Spy System Wireless family.
- The central unit can monitor and control each luminaire.



## CENTRAL UNIT ADVANTAGES

Spy System Wireless is compatible with all Spy System central units.

It is indeed possible to add a Wireless Access Point or Expander (SSW-ACCESS-POINT or SSW-EXP) in existing Spy System installations, so that the system can be upgraded by adding wireless luminaires to the existing luminaires connected via bus wire.

## MIXED INSTALLATIONS

It's possible to implement mixed installations, existing or new, where the communication occurs both in a wireless mode and over the cable.

The SSW-ACCESS-POINT device can in fact be added to create a totally wireless installation or, if used where some luminaires are connected via bus wire, a mixed bus/wireless one.

## LUMINAIRES ADVANTAGES

The emergency luminaires equipped with wireless communication module will only require a 230 Vac power supply.

The compatible ordering codes are all those with Spy System Wireless function.

In case of installation in critical radio coverage environments, correct radio communication can in any case be tested by means of MONITOR BUS function and then gradually continue with installation, exploiting the great advantage of being able to push to considerable distances inside enclosed environments.

## SIGNAL COVERAGE

Indoor coverage (corridors, rooms with obstructions, etc.): ~ 20 meters.

Open fields coverage: ~ 100 meters.

The measurements are intended as distances between two luminaires.

## MESH NETWORK

Spy System Wireless creates a wireless network of the MESH type.

In a network of this type, each product operates as a repeater node (for the supervision signal from the central unit) to the other nodes (luminaires).

Each node of the network, i.e. each luminaire, is interconnected with the others. Operating in this way, inside a typical installation environment, it is possible to reach considerable distances from the central unit, exploiting the maximum range of coverage of each single node.

The system guarantees an easy and fast initial configuration thanks to the system's self-learning capability.

Management over time is also easier than traditional system because a Wireless Spy System permits self-generation in the event of failure of one or more luminaires. If the radio signal between two adjacent luminaires fails, the connection is re-established by the closest node between them.

**SYSTEM CONFIGURATION**

Configuration is done during the test phase: the installer does not have to configure anything, but simply supply the luminaires. Self-acquisition of products takes place automatically as in the case of traditional units.

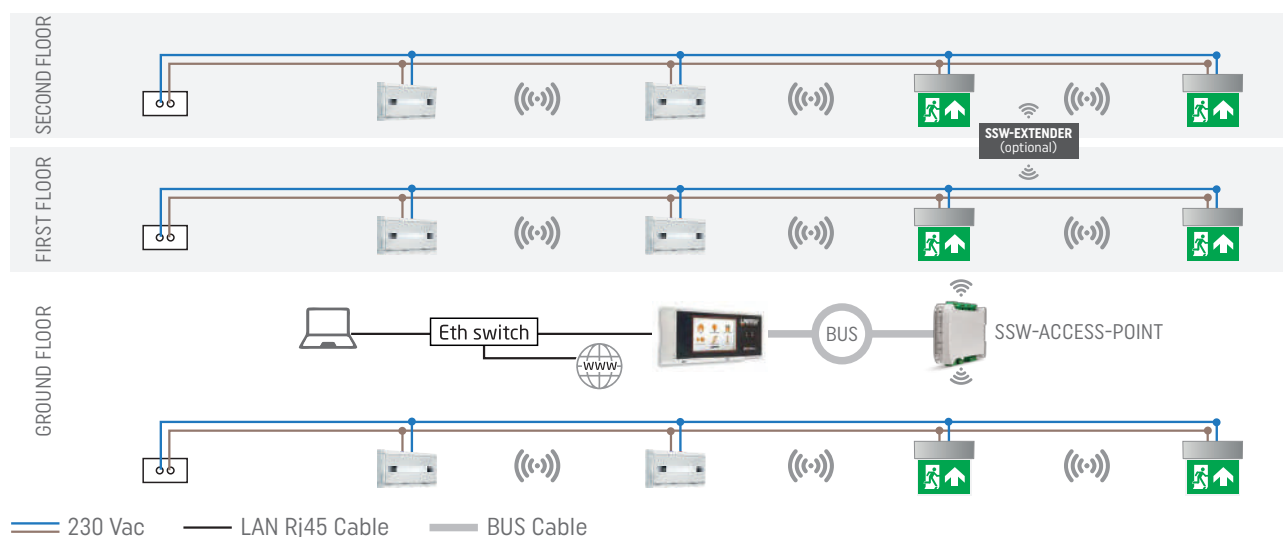
In case of having to move luminaire X in place of luminaire Y (e.g. Cristal Evo in place of Lyra Evo) the network will auto-reconfigure itself automatically and the operation will be absolutely transparent for the installer.

Same features as a Spy System: identification of luminaires via serial/number already installed in the factory, possibility of assigning descriptions, creating groups, etc.

**EXTENDER**

This is an accessory which restores mesh communication between Wireless Spy System products in critical environments where radio coverage may be compromised by certain factors such as thick walls or plasterboard structures.

The wireless repeater node (SSW-EXTENDER) therefore acts as a repeater between the Access Point and the first luminaire of the system or between luminaires with radio coverage problems.

**CONNECTION DIAGRAM**





## EXPANDER

For Wireless Spy System installations it is also possible to increase the number of luminaires that the Spy System Mini or Mini Plus can handle.

In fact, the SSW-EXP device allows to add 128 extra luminaires to the central unit to which it is connected.

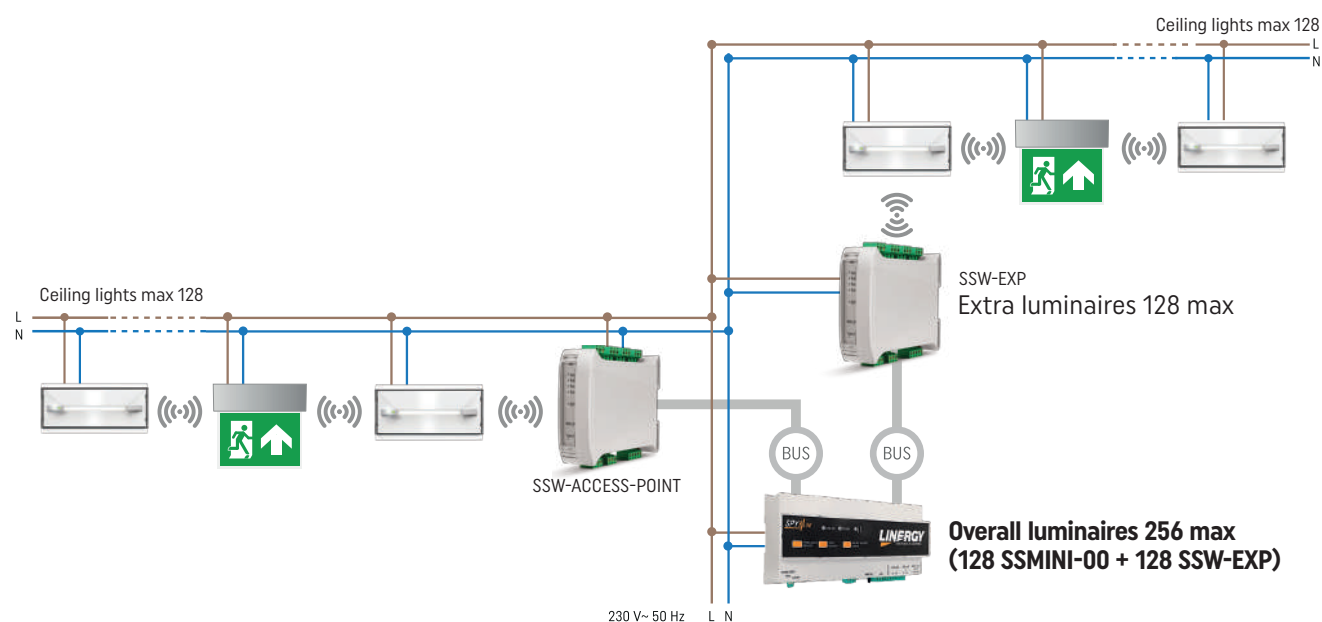


## MAXIMUM NUMBER OF LUMINAIRES MANAGEABLE BY CENTRAL UNIT AND EXPANDER

	CODE	CAPACITY WITH SSW ACCESS POINT	CAPACITY WITH EXPANDER SSW-EXP
	SSMINI	98	226
	SSMINI-00	128	256
	SSMINI-170	170	298
	SSMINIPLUS	98	226
	SSMINIPLUS-00	128	256
	SSMINIPLUS-170	170	298

**Note:** Maximum number of Expanders that can be used = 4. Maximum number of luminaires manageable = 682 (170 + 128 x 4)

## EXAMPLE OF CONNECTION DIAGRAM WITH EXPANDER WIRELESS (SSMINI-00 + SSW-EXP)



# Dali



Series of emergency luminaires  
compliant to the DALI standard  
Compatible with all\* DALI  
central units

\* The DALI Master (or gateway) must support the protocol defined in standard EN 62386-202 – Self-contained emergency lighting (device type 1).

## COMFORT AND EFFICIENCY

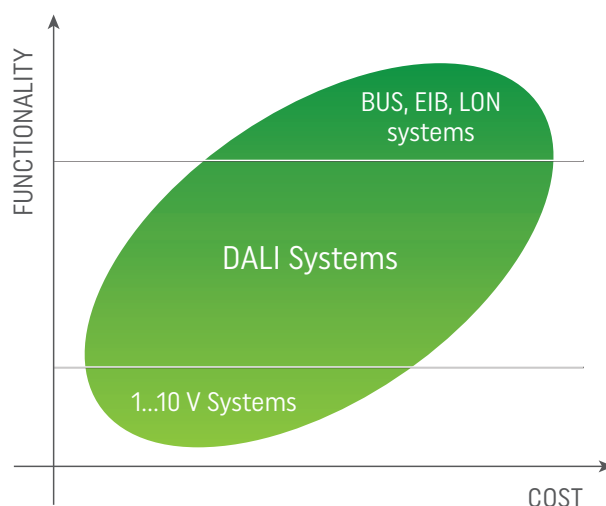
With the advent of home automation in modern systems, lighting control plays an important role in ensuring safety, comfort and energy efficiency.

Currently there are several standards that allow the automatic adjustment of the system. These include DALI (Digital Addressable Lighting Interface), an international standard protocol compliant with standard EN 62386, which guarantees the interchangeability of ECGs from different manufacturers, simple installation and flexibility programming.

DALI is a standard system shared by the entire lighting industry.

The protocol, included in the standard of electronic ballasts EN 60929, is defined specifically by standard EN 62386.

The DALI protocol makes it possible to simultaneously operate the lighting controls, sensors, control units, electronic ballasts and lamps, including emergency lights, using the same interface (Master DALI).



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## REGULATORY COMPLIANCE

- EN 62386-101
- EN 62386-102
- EN 62386-201
- EN 62386-202
- EN 60598-1
- EN 60598-2-22

The products available, compliant with standard DALI, are listed in the code tables of each series; for example, for DALI Cristal Evo, see page 81

## ADVANTAGES

DALI systems are installed using the same material of electrical installations, without shielded or polarised cable. The system is addressable, each component has its own unique ID number, so it can be programmed and configured for a specific function or be reconfigured at will as necessary, by changing the requirements.

Switch-on, adjustments, light scenes and functional measurements can all be managed for the individual product, groups or the entire system.

### DALI AND EMERGENCY

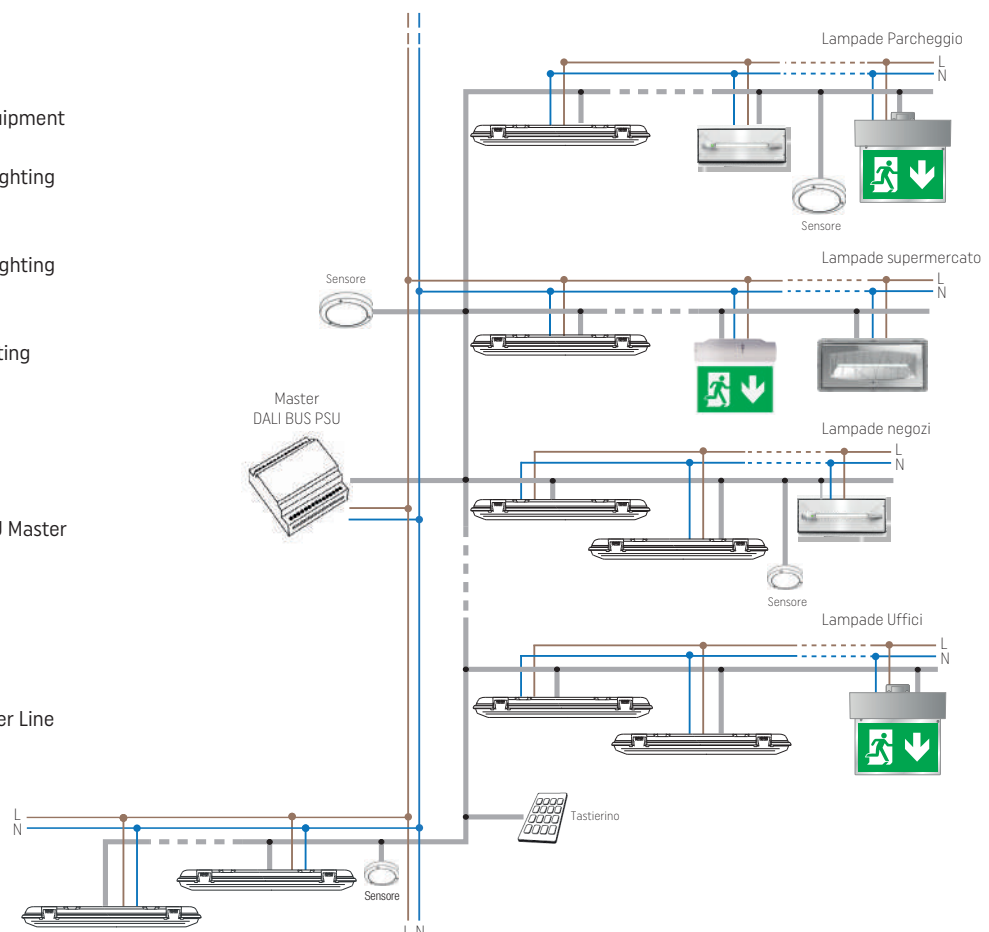
The biggest advantage offered by DALI in the context of an emergency is to have a single field bus to connect the ordinary lighting and emergency lighting.

This greatly simplifies the wiring of the system (bus) and the programming of the whole lighting system.

Connecting Linergy emergency luminaires to the DALI will automatically address them. The standard EN 62386-202 allows you to:

- Check the status of the light source (lamp or LED module)
- Check the battery
- Perform or schedule functional and duration tests on the individual device, for groups or the entire system
- Control the light intensity on luminaires Lighting (L) and Maintained (M)
- Dimmer the light source according to a logarithmic curve for maximum user comfort

## LEGEND



# Spy Center Evo



Supply and control system for centralized supply luminaires

Evolution of the tried and proven Spy Center system

New and more intuitive graphic interface

Innovative Central Power System with modular and expandable structure

In combination with luminaires of the Central Battery family (control occurs on the line) or Spy Center family (control occurs on each luminaire)



## ADVANTAGES

## TECHNICAL FEATURES













- Input supply voltage: tri-phase 400 Vac or mono-phase 230 Vac
- Output supply voltage: 216 Vdc (230 Vac with AC supply)
- No inverter to convert direct current into alternating current
- The Powerline Communication technology for each circuit make the installation easy and flexible: electrical power and communication bus are shared over the same cables
- Central unit with touchscreen color display
- User friendly multilingual interface
- Managing and programming by means of TeamViewer
- Up to 2560 luminaires can be controlled by using SCMDL-L
- Up to 128 (650 W) lines short-circuit protected
- Batteries with a 10-year life declaration
- System compliant to European norms: EN 50171, EN 50272-2, EN 62034
- Time intervals between verification tests comply to European norms: EN 50172, UNI 11222
- Innovative Central Power System with modular and expandable structure
  - New and more intuitive graphic interface
- Complete programming flexibility for functioning type: M, N/M and externally switchable via configuration software
- Possibility to configure each luminaire of each circuit, independently, as M, N/M, or externally switchable
  - Predisposition for external keyboard and mouse
  - Possibility of communication through integrated MODBUS protocol
- Wide range of power from 500 W to more than 30 KW
- Possibility to remote control the power lines directly on the floor and/or fire-proof compartment via the SCMLE module (4 lines for 20 products per line)
  - Boards and accessories for fire resistance
- Log book: periodic controls register for quick viewing of the event log
- Test for the monitoring of the isolation between battery potential and earth
  - The functionality and duration tests are freely programmable



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## ACCESSORIES

	<b>SCMF2-S</b> - External module for phase monitoring, mono or tri-phase, with a relay output Normally Closed/ Normally Open. Installable on DIN rail and all kind of distribution panels.
	<b>SCFRDB</b> - E30 fire junction box. Fire junction box, fire resistant for 30 minutes. Includes line protection fuses. Color red RAL 3000. Protection degree IP54. Dimensions: 200 x 200 x 130 mm.
	<b>SCMDL-L</b> - Module for monitoring and controlling lighting fittings connected to Linergy's central power system.
	<b>SCNDB1</b> - E30 panel for external modules, 125x125x60, fire resistant for 30 minutes. Wall mount for laying and connection of fire resistant lines. Provided with cable inputs on each side. Dim: 125 x 125 x 60 mm.
	<b>SCNDB2</b> - E30 panel for external modules 170x145x70, fire resistant for 30 minutes. Wall mount for laying and connection of fire resistant lines. Provided with cable inputs on each side. Dim: 170 x 145 x 70 mm.
	<b>SCNDB3</b> - E30 panel for external modules 243x168x83, fire resistant for 30 minutes. Wall mount for laying and connection of fire resistant lines. Provided with cable inputs on each side. Dim: 243 x 168 x 83 mm.
	<b>SCBAT-RX-SC</b> - Receiver for monitoring the Spy Center batteries. Receiver module for signalling any anomaly detected by the transmitter modules. Order one module for each central power system.
	<b>SCBAT-TX</b> - Transmitter for monitoring the Spy Center batteries. Transmitter module for detecting any voltage or temperature anomaly of the battery. Order one module for each battery.
	<b>SCMDNIO</b> - External extra input/output module, consisting of 8 clean-contact inputs, used to detect the states of the installation. Includes 3 programmable relays. Communication via RS485.
	<b>SCMLE</b> - External module for line monitoring of the final circuits 4 x 3A, with double fuse protection. Communication via RS485.
	<b>SCMLI</b> - Internal module for line monitoring of the final circuits 4 x 3A, with double fuse protection. Communication via RS485.
	<b>SCMF8</b> - External module for monitoring 8 phases, including 8 inputs at 230VAC and 3 programmable relays. Communication via RS485.



**SCPSR2** - Synoptic panel for remote signalling and visualization of state and fault in the emergency installation. Communication via RS485.



**SS-ATTIVA4** - Start-up service for central units 4h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 4h assistance, monday to friday.

**SS-ATTIVA8** - Start-up service for central units 8h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 8h assistance, monday to friday.



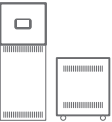


**SCTRASFERTA** - International travel for system start-up with round trip expenses included. Linergy technician's domestic trip service. Round trip expenses included.

**SCTRASFERTA1** - International travel for system start-up with 1 day hotel booking. Linergy technician's domestic trip. Round trip and hotel booking expenses included.

ORDER CODE	SHORT CODE	DESCRIPTION
SCMF2-S	A 097	EXT. MODULE FOR MONITORING OF THE 1 CHANGE OVER CONT.PHASE
SCFRDB	A 101	FIREPROOF BRANCH BOX E30
SCMDL-L	A 104	MODULE FOR MONITORING INDIVIDUAL EMERGENCY LAMP L
SCNDB1	A 107	E30 FOR EXTERNAL MODULE 125X125X60
SCNDB2	A 108	E30 FOR EXTERNAL MODULE 170X145X70
SCNDB3	A 109	E30 FOR EXTERNAL MODULE 243X168X83
SCTRASFERTA	A 112	INTERNATIONAL TRAVEL FOR SYSTEM START-UP
SCTRASFERTA1	A 113	INTERNATIONAL TRAVEL WITH 1 NIGHT FOR SYSTEM START-UP
SCBAT-RX-SC	A 258	BATTERY MONITORING SYSTEM SPY CENTER RECEIVER
SCBAT-TX	A 260	BATTERY MONITORING SYSTEM TRANSMITTER
SCMDNIO	A 265	AUXILIARY INPUT/OUTPUT MODULE
SCMLE	A 266	EXTERNAL MODULE FOR LINE MONITORING
SCMLI	A 267	INTERNAL MODULE FOR LINE MONITORING
SCMF8	A 271	EXT. MODULE FOR 8-PHASE MONITORING
SS-ATTIVA4	A 272	4H CENTRAL START-UP SERVICE
SS-ATTIVA8	A 273	8H CENTRAL START-UP SERVICE
SCALIM24VDC	A 276	24VDC BUS POWER SUPPLY FOR SPY CENTER EVO
SCPSR2	A 296	SYNOPTIC PANEL FOR REMOTE SIGNALING
KITCONSCML	A 309	CONNECTOR FOR SCML AND SCMF MODULES

## SPY CENTER EVO

	ORDER CODE	SHORT CODE	OUTPUT LINES	BATTERY	POWER (W)	ACTIVE POWER (W)	DURAT.	POWER (W) IN ACCORD. W/ EN 50171	OUTPUT VOLTAGE	N. CABINET	CABINET TYPE	DIM. SYSTEM CABINET LxPxH (mm)	DIM. BATTERY CABINET LxPxH (mm)
	SCE100P04	SC1601	4	18 x Pb 12V	1000	1170	1 h	935	216 Vdc (230 Vac con rete)	1	Single Cabinet	600 x 465 x 1800	
							2 h	395					
							3 h	315					
	SCE200P04	SC1602	4	18 x Pb 12V	2000	3340	1 h	2675		1	Single Cabinet	600 x 465 x 1800	
							2 h	1500					
							3 h	1055					
	SCE300P08	SC1603	8	18 x Pb 12V	3000	3815	1 h	3050		1	Single Cabinet	600 x 465 x 1800	
							2 h	1780					
							3 h	1295					
	SCE400P08	SC1604	8	18 x Pb 12V	4000	4465	1 h	3570		1	Single Cabinet	600 x 465 x 1800	
							2 h	2185					
							3 h	1400					
	SCE500P08	SC1605	8	18 x Pb 12V	5000	6240	1 h	4990		1	Single Cabinet	825 x 565 x 1800	
							2 h	3070					
							3 h	2330					
	SCE600P12	SC1606	12	18 x Pb 12V	6000	7585	1 h	6070		2	System + Battery	600 x 465 x 1800	825 x 565 x 900
							2 h	3985					
							3 h	2995					
	SCE700P12	SC1607	12	18 x Pb 12V	7000	9130	1 h	7300		2	System + Battery	600 x 465 x 1800	825 x 565 x 900
							2 h	4950					
							3 h	3180					

**Note.** Possibility of having a system with customized configuration

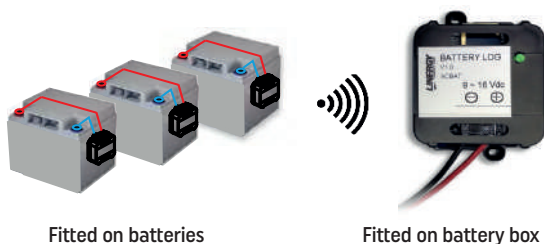


## SPY BATTERY

The SPY BATTERY is a system developed for the monitoring of lead sealed batteries present inside SPY CENTER central battery system.

The system consists of TRANSMITTER modules connected to each battery and a module mounted on the Spy Center mimic panel.

Both the TRANSMITTER module and the RECEIVER module have an LED for signaling the operating status of each single unit.



**GREEN LED ON STEADY:** The battery is in good condition and its operating voltage is correct.

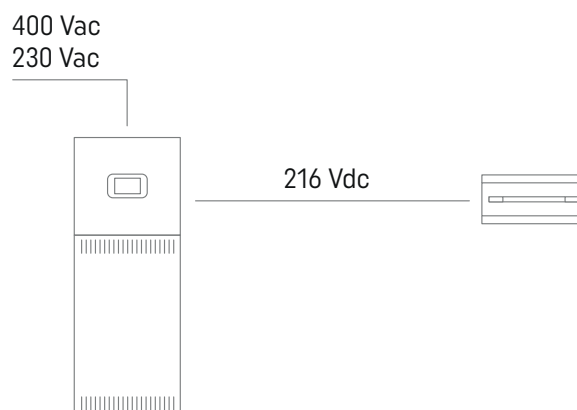
**RED LED FLASHING SLOW:** The battery voltage is below the normal operating threshold and may unbalance the entire battery pack.

**RED LED FLASHING FAST:** The battery voltage is above the normal operating threshold and may unbalance the entire battery pack resulting in overheating and consequent damage to the battery

**RED LEDS ON STEADY:** The temperature inside the box is above operating threshold (over 38°C)

## SYSTEM COMPOSITION

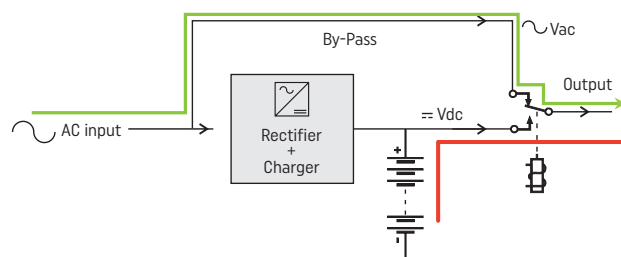
- The Spy Center Evo central unit must be used in conjunction with luminaires of the Central Battery or Spy Center family.
- Central Battery luminaires: the central unit can monitor and control each line.
- Spy Center luminaires: the central unit can monitor and control each luminaire
- Spy Center Evo can also supply regular lighting luminaires. To create an emergency lighting installation with such devices, they must be certified in accordance to EN 60598-2-22.



## SYSTEM FUNCTIONING

- In cases of standard functioning the output is powered in By-Pass by the normal electrical network (230 Vac)
- In emergency situations the output is powered by the direct voltage of the nominal 216 Vdc battery group
- No inverter is present between the batteries and the output

## SYSTEM BLOCK DIAGRAM
















## SYSTEM CONNECTION

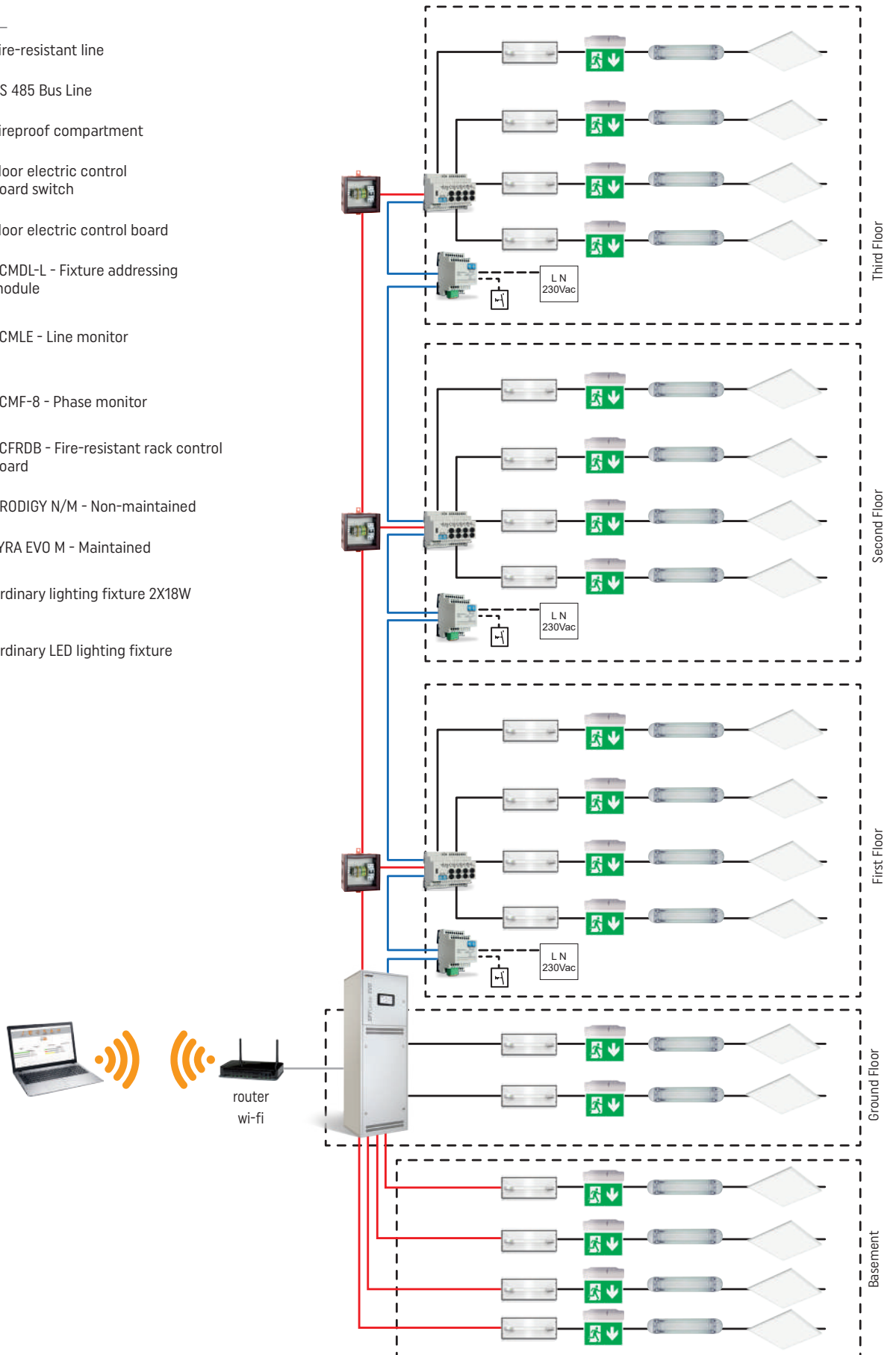
- Possibility of installing the following types of luminaires on the same line: N/M (Non Maintained), M (Maintained) and externally switchable
- Simple, safe, strong and reliable communication together with power conductors. The central unit communicates the status of the tests and the system programming with the same wires with which it provides electrical energy.





## LEGEND

-  Fire-resistant line
-  RS 485 Bus Line
-  Fireproof compartment
-  Floor electric control board switch
-  Floor electric control board
-  SCMDL-L - Fixture addressing module
-  SCMLE - Line monitor
-  SCMF-8 - Phase monitor
-  SCFRDB - Fire-resistant rack control board
-  PRODIGY N/M - Non-maintained
-  LYRA EVO M - Maintained
-  Ordinary lighting fixture 2X18W
-  Ordinary LED lighting fixture



# Spy Center LPS



Supply and control system at low power for centralized power installations

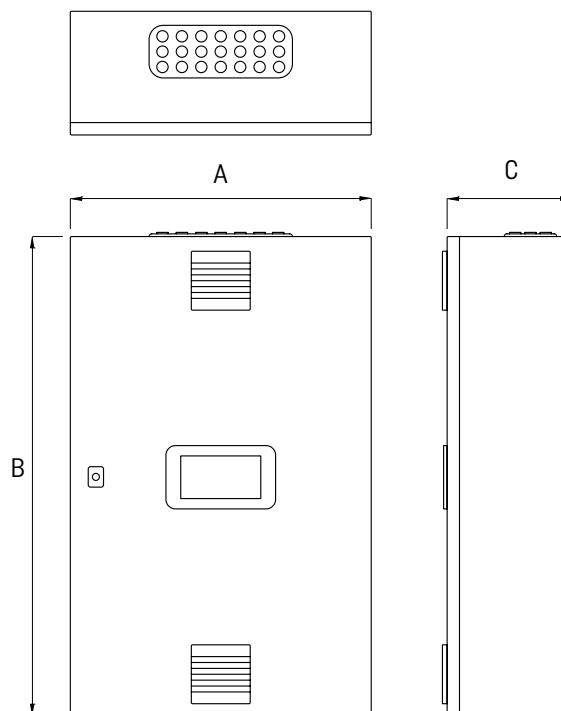
Central power unit with a modular structure

In combination with luminaires of the Central Battery family (control occurs on the line) or Spy Center family (control occurs on each luminaire)

CE

## TECHNICAL FEATURES

- Input supply voltage: tri-phase 400 Vac or mono-phase 230 Vac
- Output supply voltage: 216 Vdc (230 Vac with AC supply)
- No inverter to convert direct current into alternating current
- The Powerline Communication technology for each circuit make the installation easy and flexible: electrical power and communication bus are shared over the same cables
- Central unit with touchscreen color display
- System with 8 or 12 circuits
- Lines short-circuit protected
- Maximum load for each circuit: 650 W, 20 luminaires
- 8 potential free inputs
- Selectable NC/NO
- 8 clean contact outputs (NO and NC) for installation status monitoring
- Ethernet port with TCP/IP protocol for intranet/internet connection
- System compliant to European norms: EN 50171, EN 50272-2, EN 62034
- Time intervals between verification tests comply to European norms: EN 50172, UNI 11222



A=600mm B=1000mm C=250mm



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## ADVANTAGES

- Central power unit with a modular structure
- New and more intuitive graphic interface
- Complete programming flexibility for functioning type: M (Maintained), N/M (Non Maintained) and externally switchable via configuration software
- Possibility to configure each luminaire of each circuit, independently, as M (Maintained) N/M (Non Maintained) or externally switchable
- Managing and programming by means of TeamViewer
- User friendly multilingual interface
- Predisposition for external keyboard and mouse
- Possibility of communication through integrated MODBUS protocol
- Log book: periodic controls register for quick viewing of the event log
- Test for the monitoring of the isolation between battery potential and earth
- The functionality and duration tests are freely programmable

## ACCESSORIES



**SCMF2-S** - External module for phase monitoring, mono or tri-phase, with a relay output Normally Closed/ Normally Open. Installable on DIN rail and all kind of distribution panels.



**SCMDL-L** - Module for monitoring and controlling lighting fittings connected to Linergy's central power system.



**SCMDNIO** - External extra input/output module, consisting of 8 clean-contact inputs, used to detect the states of the installation. Includes 3 programmable relays. Communication via RS485.



**SCMLI** - Internal module for line monitoring of the final circuits 4 x 3A, with double fuse protection. Communication via RS485.



**SCMF8** - External module for monitoring 8 phases, including 8 inputs at 230VAC and 3 programmable relays. Communication via RS485.



**SCPSR2** - Synoptic panel for remote signalling and visualization of state and fault in the emergency installation. Communication via RS485.



**SS-ATTIVA4** - Start-up service for central units 4h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 4h assistance, monday to friday.

**SS-ATTIVA8** - Start-up service for central units 8h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 8h assistance, monday to friday.



**SCTRASFERTA** - International travel for system start-up with round trip expenses included. Linergy technician's domestic trip service. Round trip expenses included.

**SCTRASFERTA1** - International travel for system start-up with 1 day hotel booking. Linergy technician's domestic trip. Round trip and hotel booking expenses included.

ORDER CODE	SHORT CODE	DESCRIPTION
SCMF2-S	A 097	EXT. MODULE FOR MONITORING OF THE 1 CHANGE OVER CONT.PHASE
SCMDL-L	A 104	MODULE FOR MONITORING INDIVIDUAL EMERGENCY LAMP L
SCTRASFERTA	A 112	INTERNATIONAL TRAVEL FOR SYSTEM START-UP
SCTRASFERTA1	A 113	INTERNATIONAL TRAVEL WITH 1 NIGHT FOR SYSTEM START-UP
SCMDNIO	A 265	AUXILIARY INPUT/OUTPUT MODULE
SCMLI	A 267	INTERNAL MODULE FOR LINE MONITORING
SCMF8	A 271	EXT. MODULE FOR 8-PHASE MONITORING
SS-ATTIVA4	A 272	4H CENTRAL START-UP SERVICE
SS-ATTIVA8	A 273	8H CENTRAL START-UP SERVICE
SCPSR2	A 296	SYNOPTIC PANEL FOR REMOTE SIGNALING



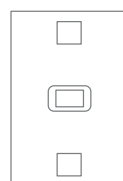
## SYSTEM COMPOSITION

- The Spy Center LPS central unit must be used in conjunction with luminaires of the Central Battery or Spy Center family.
- Central Battery luminaires: the central unit can monitor and control each line.
- Spy Center luminaires: the central unit can monitor and control each luminaire.

Spy Center LPS can also supply regular lighting luminaires. To create an emergency lighting installation with such devices, they must be certified in accordance to EN 60598-2-22.

400 Vac

230 Vac



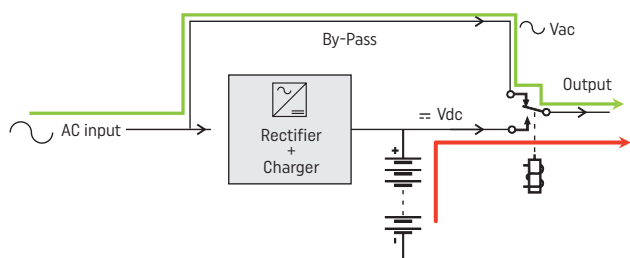
216 Vdc



## SYSTEM FUNCTIONING

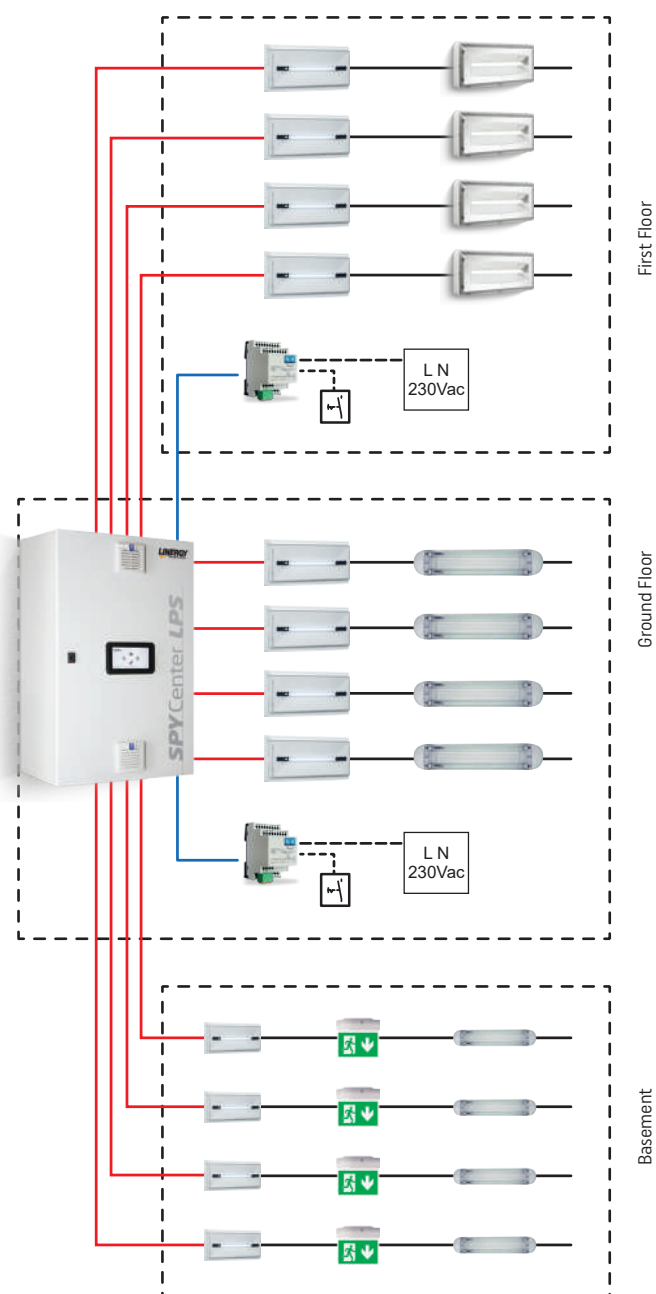
- In cases of standard functioning the output is powered in By-Pass by the normal electrical network (230 Vac)
- In emergency situations the output is powered by the direct voltage of the nominal 216 Vdc battery group
- No inverter is present between the batteries and the output

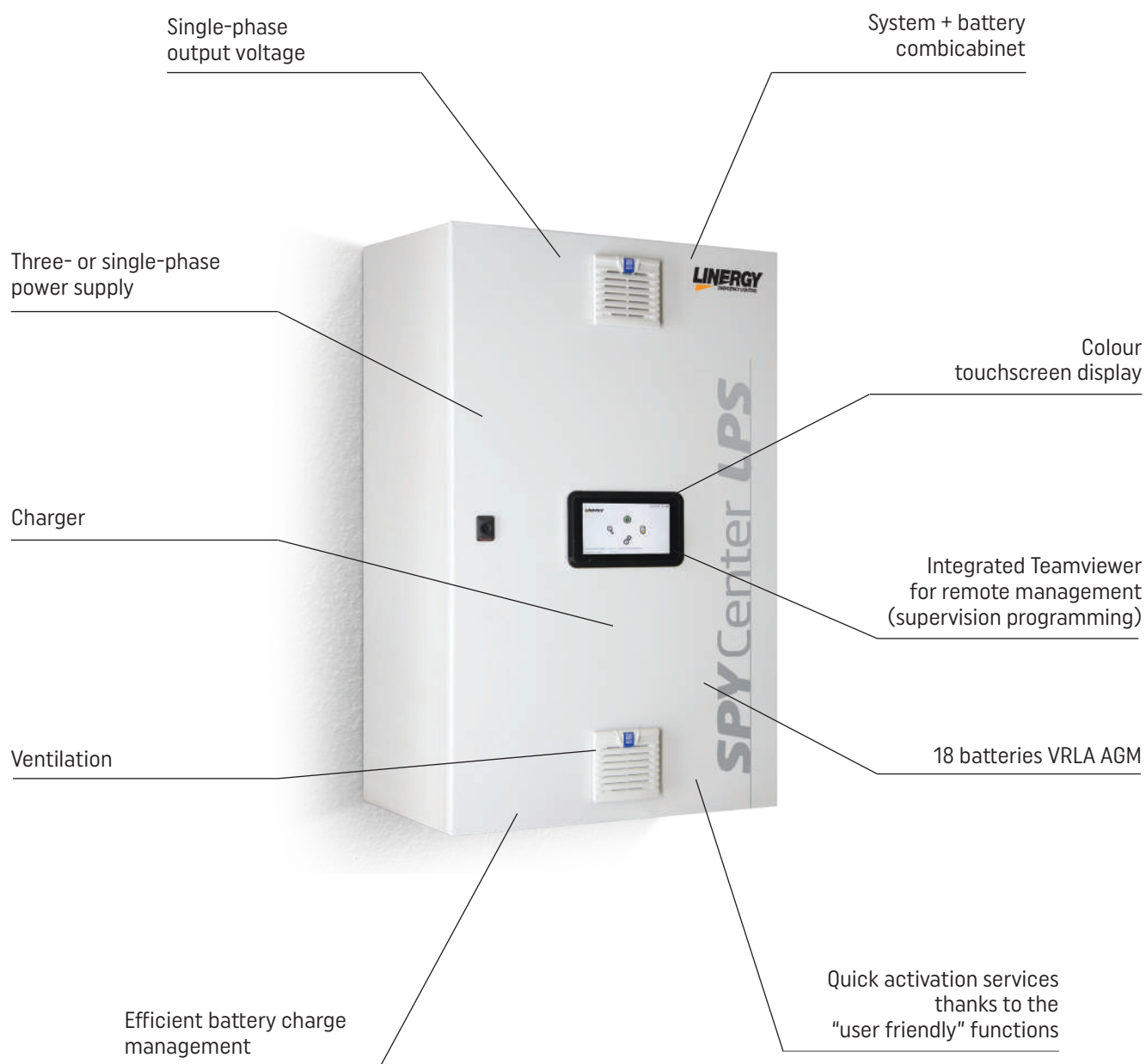
### SYSTEM BLOCK DIAGRAM



## LEGEND

- E30 fire-resistant line
- RS 485 Bus Line
- - - Fireproof compartment
- Floor electric control board switch
- Floor electric control board
- SCMF8 - Phase monitor
- PRODIGY N/M - Non-maintained
- LYRA EVO M - Maintained
- Ordinary lighting fixture 2X18W





## SPY CENTER LPS



ORDER CODE	SHORT CODE	OUTPUT LINES	BATTERY	POWER (W)	ACTIVE POWER (W)	DURATION	POWER (W) IN ACCORD. W/ EN 50171	OUTPUT VOLTAGE	N. CABINET	CABINET TYPE	DIMENSIONS LxPxH (mm)
SCL090P08	SC1202	8	18 x Pb 12V	900	950	1 h	760	261 Vdc (230 Vac con rete)	1	Single Cabinet	600 x 250 x 1000
						2 h	480				
						3 h	280				
	SC1203	8	18 x Pb 12V	1500	1500	1 h	1200		1	Single Cabinet	600 x 250 x 1000
						2 h	800				
						3 h	535				
	SC1204	12	18 x Pb 12V	1500	1500	1 h	1200		1	Single Cabinet	600 x 250 x 1000
						2 h	800				
						3 h	535				



# Spy Center LPS Compact



Supply and control system at low power for centralized power installations

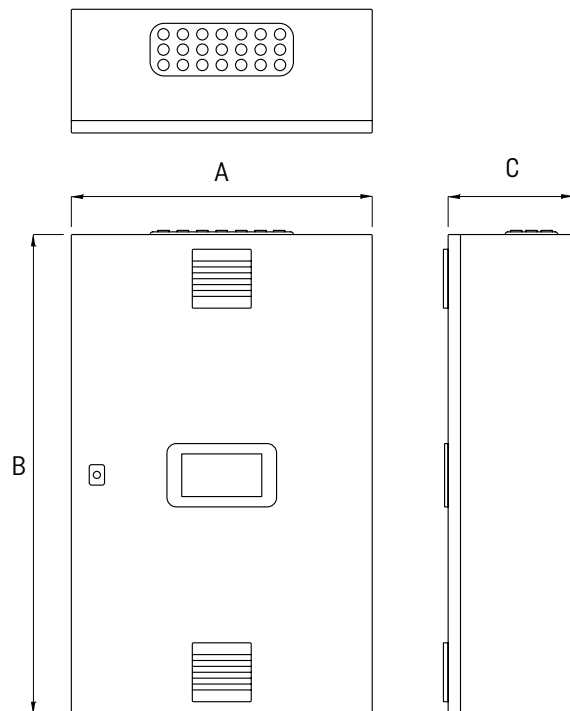
Complete and non expandable central power unit

In combination with luminaires of the Central Battery family (control occurs on the line) or Spy Center family (control occurs on each luminaire)

CE

## TECHNICAL FEATURES

- Input supply voltage: tri-phase 400 Vac or mono-phase 230 Vac
- Output supply voltage: 216 Vdc (230 Vac with AC supply)
- No inverter to convert direct current into alternating current
- The Powerline Communication technology for each circuit make the installation easy and flexible: electrical power and communication bus are shared over the same cables
- Central unit with touchscreen color display
- Central power unit with 8 circuits
- Lines short-circuit protected
- Maximum load for each circuit: 650 W, 20 luminaires
- 3 inputs at 230 Vac, 2 programmable inputs at 24 Vdc or 230 Vac, 3 clean contact outputs
- Selectable NC/NO
- 8 clean contact outputs (NO and NC) for installation status monitoring
- Ethernet port with TCP/IP protocol for intranet/internet connection
- System compliant to European norms: EN 50171, EN 50272-2, EN 62034
- Time intervals between verification tests comply to European norms: EN 50172, UNI 11222



A=600mm B=1000mm C=250mm



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## ADVANTAGES

- Complete and non expandable central power unit, without need for extra modules
- New and more intuitive graphic interface
- Complete programming flexibility for functioning type: M (Maintained), N/M (Non Maintained) and externally switchable via configuration software
- Possibility to configure each luminaire of each circuit, independently, as M (Maintained) N/M (Non Maintained) or externally switchable
- Managing and programming by means of TeamViewer
- User friendly multilingual interface
- Predisposition for external keyboard and mouse
- Possibility of communication through integrated MODBUS protocol
- Log book: periodic controls register for quick viewing of the event log
- Test for the monitoring of the isolation between battery potential and earth
- The functionality and duration tests are freely programmable

## ACCESSORIES



**SCMDL-L** - Module for monitoring and controlling lighting fittings connected to Linergy's central power system.



**SCTRASFERTA** - International travel for system start-up with round trip expenses included. Linergy technician's domestic trip service. Round trip expenses included.

**SCTRASFERTA1** - International travel for system start-up with 1 day hotel booking. Linergy technician's domestic trip. Round trip and hotel booking expenses included.



**SCMDNIO** - External extra input/output module, consisting of 8 clean-contact inputs, used to detect the states of the installation. Includes 3 programmable relays. Communication via RS485.



**SCMF8** - External module for monitoring 8 phases, including 8 inputs at 230VAC and 3 programmable relays. Communication via RS485.



**SS-ATTIVA4** - Start-up service for central units 4h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 4h assistance, monday to friday.

**SS-ATTIVA8** - Start-up service for central units 8h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 8h assistance, monday to friday.



**SCPSR2** - Synoptic panel for remote signalling. Remote signalling panel for visualization of state and fault in the emergency installation. Communication via RS485.

ORDER CODE	SHORT CODE	DESCRIPTION
SCMDL-L	A 104	MODULE FOR MONITORING INDIVIDUAL EMERGENCY LAMP L
SCTRASFERTA	A 112	INTERNATIONAL TRAVEL FOR SYSTEM START-UP
SCTRASFERTA1	A 113	INTERNATIONAL TRAVEL WITH 1 NIGHT FOR SYSTEM START-UP
SCMDNIO	A 265	AUXILIARY INPUT/OUTPUT MODULE
SCMF8	A 271	EXT. MODULE FOR 8-PHASE MONITORING
SS-ATTIVA4	A 272	4H CENTRAL START-UP SERVICE
SS-ATTIVA8	A 273	8H CENTRAL START-UP SERVICE
SCPSR2	A 296	SYNOPTIC PANEL FOR REMOTE SIGNALING



## SYSTEM COMPOSITION

- The Spy Center LPS Compact central unit must be used in conjunction with luminaires of the Central Battery or Spy Center family.
- Central Battery luminaires: the central unit can monitor and control each line.
- Spy Center luminaires: the central unit can monitor and control each luminaire.

Spy Center LPS Compact can also supply regular lighting luminaires. To create an emergency lighting installation with such devices, they must be certified in accordance to EN 60598-2-22.

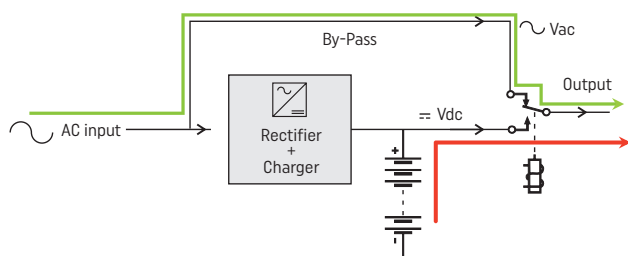
400 Vac  
230 Vac



## SYSTEM FUNCTIONING

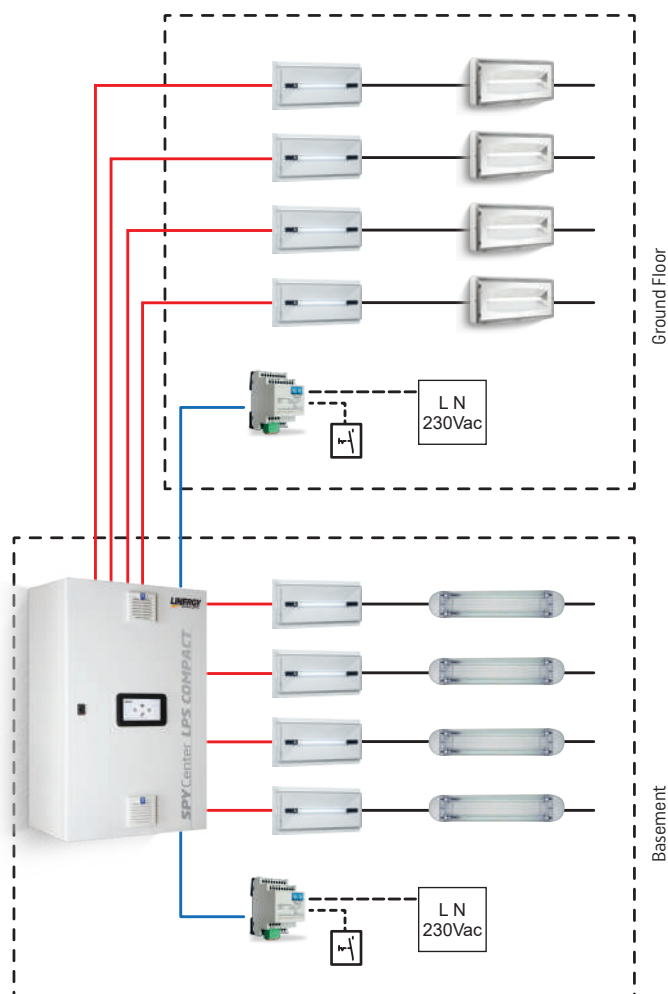
- In cases of standard functioning the output is powered in By-Pass by the normal electrical network (230 Vac)
- In emergency situations the output is powered by the direct voltage of the nominal 216 Vdc battery group
- No inverter is present between the batteries and the output

### SYSTEM BLOCK DIAGRAM

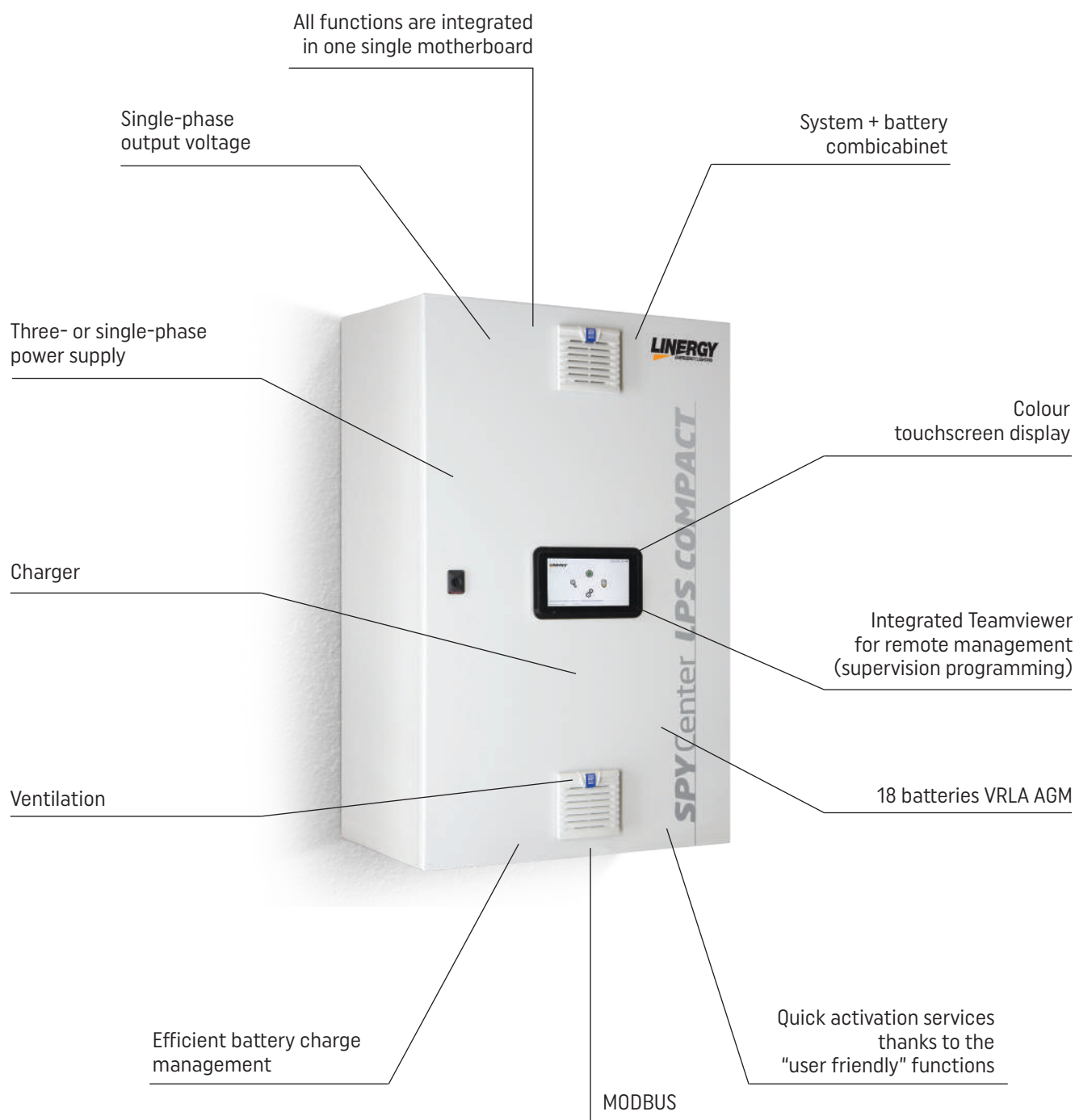


## LEGEND

- E30 fire-resistant line
- RS 485 Bus Line
- - - Fireproof compartment
- Floor electric control board switch
- Floor electric control board
- SCMF8 - Phase monitor
- PRODIGY N/M - Non-maintained
- LYRA EVO M - Maintained
- Ordinary lighting fixture 2X18W






**SPY CENTER LPS  
COMPACT**


ORDER CODE	SHORT CODE	OUTPUT LINES	BATTERY	POWER (W)	ACTIVE POWER (W)	DURATION	POWER (W) IN ACCORD. W/ EN 50171	OUTPUT VOLTAGE	N. CABINET	CABINET TYPE	DIMENSIONS LxPxH (mm)
SCK090P08	SC1701	8	18 x Pb 12V	900	950	1 h	760	216 Vdc (230 Vac con rete)	1	Single Cabinet	600 x 250 x 1000
						2 h	480				
						3 h	280				
SCK150P08	SC1702	8	18 x Pb 12V	1500	1500	1 h	1200		1	Single Cabinet	600 x 250 x 1000
						2 h	800				
						3 h	535				

# Spy Center 24



Supply and control system at safety extra-low voltage (SELV) for installations with LED luminaires with centralized supply at 24Vdc

In combination with luminaires of the Spy Center 24 family (control occurs on each luminaire)



## TECHNICAL FEATURES

- Input supply voltage: mono-phase 230 Vac
- Output supply voltage: 24 Vdc
- The Powerline Communication technology for each circuit make the installation easy and flexible: electrical power and communication bus are shared over the same cables
- Central unit with touchscreen color display
- Maximum overall load capacity: 8 circuits, 160 luminaires
- Maximum load for each circuit: 60 W, 20 luminaires
- Lines short-circuit protected
- 4 inputs at 230 Vac, 8 inputs for clean contact
- 8 relay outputs (NO/NC) for installation status signalling
- Ethernet port with TCP/IP protocol for intranet/internet connection
- Integrated web server for remote configuration and control via generic web browser
- System compliant to European norms: EN 50171, EN 50272-2, EN 62034
- Time intervals between verification tests comply to European norms: EN 50172, UNI 11222

## ADVANTAGES

- Complete programming flexibility for functioning type: M (Maintained) and N/M (Non Maintained) via configuration software
- Possibility to configure each luminaire of each circuit, independently, as M (Maintained) N/M (Non Maintained)
- Every single device can be turned on/off or dimmed remotely
  - It allows to program each single luminaire in local emergency mode (built-in detection of local black out is available on the predisposed luminaires)
    - Automatic luminaire acquisition
    - User friendly multilingual interface
  - Possibility of communication through integrated MODBUS protocol
- Log book: periodic controls register for quick viewing of the event log
  - The functionality and duration tests are freely programmable



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POWER CAPACITY	CABLE SECTION 1,5 mm <sup>2</sup>	CABLE SECTION 2,5 mm <sup>2</sup>
60 W	60 m	100 m
50 W	73 m	121 m
40 W	91 m	152 m
30 W	121 m	202 m
20 W	182 m	304 m
10 W	365 m	562 m

- The maximum voltage drop at full load must not exceed 4V

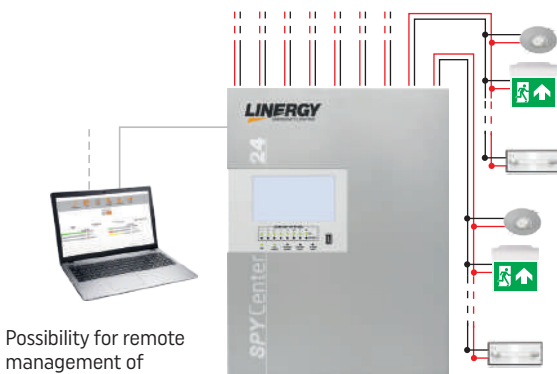
## SYSTEM COMPOSITION

- The Spy Center 24 central unit must be used in conjunction with luminaires of the Spy Center 24 family.
- The central unit can monitor and control each luminaire.

Spy Center 24 can only be used in conjunction with Linergy emergency luminaires of the Spy Center 24 family. It's not possible to drive ordinary lighting devices.

## CENTRAL CONTROL UNIT MANAGEMENT

Spy Center 24 is supplied as standard with a web server that can be accessed via any browser for system configuration and management.



Possibility for remote management of more central units

Max capacity for the Spy Center 24: 8 output lines, 160 luminaires.  
Max capacity for a single output line: 60W, 20 luminaires.

## ACCESSORIES



**SCMF2-S** - External module for phase monitoring, mono or tri-phase, with a relay output Normally Closed/ Normally Open. Installable on DIN rail and all kind of distribution panels.



**SC24CVTRL** - Integrated board for additional final circuits 2 x 3A, with double protection fuses. Compatible with Spy Center 24 systems having 2 to 6 output lines. Adding one board does not increase the maximum output power capability of the system.



**SC24VMDL** - Module for driving, monitoring and controlling generic luminaires connected to the Spy Center 24. Please contact the technical assistance at Linergy in order to verify the compatibility of the luminaire with the Spy Center 24.



**SC24VMODBUS** - Modbus/TCP software interface for Spy Center 24. Allows Spy Center 24 systems to communicate via Modbus/TCP protocol.



**SS-ATTIVA4** - Start-up service for central units 4h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 4h assistance, monday to friday.

**SS-ATTIVA8** - Start-up service for central units 8h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 8h assistance, monday to friday.



**SCTRASFERTA** - International travel for system start-up with round trip expenses included. Linergy technician's domestic trip service. Round trip expenses included.

**SCTRASFERTA1** - International travel for system start-up with 1 day hotel booking. Linergy technician's domestic trip. Round trip and hotel booking expenses included.

ORDER CODE	SHORT CODE	DESCRIPTION
SCMF2-S	A 097	EXT. MODULE FOR MONITORING OF THE 1 CHANGE OVER CONT.PHASE
SCTRASFERTA	A 112	INTERNATIONAL TRAVEL FOR SYSTEM START-UP
SCTRASFERTA1	A 113	INTERNATIONAL TRAVEL WITH 1 NIGHT FOR SYSTEM START-UP
SC24VCTRL	A 261	INTEGRATED CIRCUIT BOARD
SC24VMDL	A 262	MODULE FOR MONITORING INDIVIDUAL EMERGENCY LAMP
SS-ATTIVA4	A 272	4H CENTRAL START-UP SERVICE
SS-ATTIVA8	A 273	8H CENTRAL START-UP SERVICE
SC24VMODBUS	A 274	SW INTERFACE FOR TCP/MODBUS SPY CENTER 24

SPY CENTER 24	ORDER CODE	SHORT CODE	OUTPUT LINES	BATTERY	POWER (W)	DURATION	POWER (W) IN ACCORD. W/ EN 50171	OUTPUT VOLTAGE	N. CABINET	CABINET TYPE	DIMENSIONS LxPxH (mm)
	SC24V12A2	SC1401	2	2 x Pb 12V 12Ah	120	1 h 2 h 3 h	120 80 60	24 Vdc	1	Single Cabinet	417 x 147 x 546
	SC24V24A4	SC1402	4	2 x Pb 12V 24Ah	240	1 h 2 h 3 h	240 160 120		1	Single Cabinet	417 x 147 x 546
	SC24V33A6	SC1403	6	2 x Pb 12V 33Ah	360	1 h 2 h 3 h	360 220 160		1	Single Cabinet	417 x 147 x 546
	SC24V33A8	SC1404	8	2 x Pb 12V 33Ah	420	1 h 2 h 3 h	420 240 180		1	Single Cabinet	417 x 147 x 546
	SC24V55A4	SC1405	4	2 x Pb 12V 55Ah	240	1 h 2 h 3 h	240 240 240		2	System + Battery	417 x 147 x 1093
	SC24V55A8	SC1406	8	2 x Pb 12V 55Ah	480	1 h 2 h 3 h	480 340 260		2	System + Battery	417 x 147 x 1093

Note: Possibility of customized configuration



# Spy Center Basic



Central power system  
for installations with  
centralized supply  
luminaires

Easy-to-use and versatile  
central power system

In combination with  
luminaires of the Central  
Battery family (control  
occurs on the line)



**Note:** The image of the product is purely indicative

## TECHNICAL FEATURES

- Online double conversion type, intervention time = 0
- Different outputs for Maintained (M) and Non Maintained (N/M) load
- Automatic by-pass in case of fault
- High overload capacity
- Input and output breakers standard on all versions
- EPO (Emergency Power Off) release button is standard on all versions
- LCD display shows the main info regarding systems status
- Possibility of connecting a PC via cable for the system monitoring
- Battery box wheel handling
- Maintenance-free sealed lead batteries
- Batteries with life expectancy of 10 years
- System compliant to European norms: EN 50171, EN 50272-2


## ADVANTAGES

- A Wide power range from 1.000 VA to 10.000 VA
  - Easy installation and maintenance
- High peak currents for driving any maintained and non-maintained load
- Board for signalling status is standard on all versions
  - Ethernet SNMP board available on all versions
  - Reverse polarity protection

## SYSTEM COMPOSITION

- The Spy Center Basic central unit must be used in conjunction with luminaires of the Central Battery family.
- The system does not allow the control over the circuits or the single luminaires.

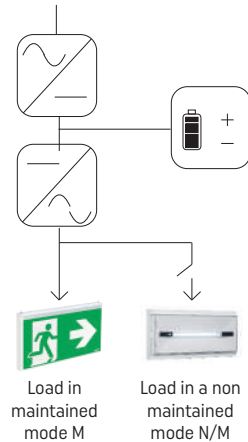
Spy Center Basic can also supply regular lighting luminaires. To create an emergency lighting installation with such devices, they must be certified in accordance to EN 60598-2-22.

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## DOUBLE OUTPUT

The central power systems of the Spy Center Basic series have two equivalent output lines. It is therefore possible to drive part of the load in maintained mode M (supply always on) and the remaining part in a non maintained mode N/M (supply is available only in case of black out). The double output device is available for all Spy Center Basic versions.

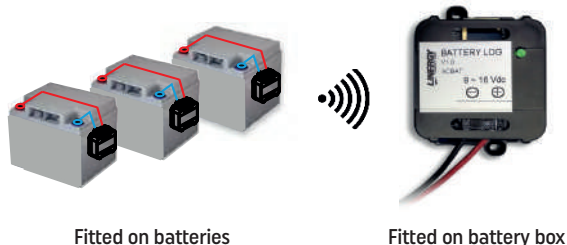


## SPY BATTERY

The SPY BATTERY is a system developed for the monitoring of lead sealed batteries present inside SPY CENTER central battery system.

The system consists of TRANSMITTER modules connected to each battery and a module mounted on the Spy Center mimic panel.

Both the TRANSMITTER module and the RECEIVER module have an LED for signaling the operating status of each single unit.



Fitted on batteries

Fitted on battery box

**GREEN LED ON STEADY:** The battery is in good condition and its operating voltage is correct.

**RED LED FLASHING SLOW:** The battery voltage is below the normal operating threshold and may unbalance the entire battery pack.

**RED LED FLASHING FAST:** The battery voltage is above the normal operating threshold and may unbalance the entire battery pack resulting in overheating and consequent damage to the battery

**RED LEDS ON STEADY:** The temperature inside the box is above operating threshold (over 38°C)

## ACCESSORIES



**SCBLAN** - Integrated LAN board for Spy Center Basic. External module for remote visualization of the Spy Center Basic status.



**SCBMOD** - LED signalling module for Spy Center Basic. External module for remote signalling of the status and faults of the Spy Center Basic.



**SCBAT-RX-SCB** - Receiver for monitoring the Spy Center Basic batteries. Receiver module for signalling any anomaly detected by the transmitter modules. Order one module for each central power system.



**SCBAT-TX** - Transmitter for monitoring the Spy Center batteries. Transmitter module for detecting any voltage or temperature anomaly of the battery. Order one module for each battery.



**SCBMLE** - Actuator module for external lines. External module for turning on/off the emergency lines based on the local mains status and/or the state of a clean contact coming from a remote system.



**SS-ATTIVA4** - Start-up service for central units 4h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 4h assistance, monday to friday.

**SS-ATTIVA8** - Start-up service for central units 8h assistance during workdays. Service for starting and programming the central units from Linergy. It comprises 8h assistance, monday to friday.



**SCTRASFERA** - International travel for system start-up with round trip expenses included. Linergy technician's domestic trip service. Round trip expenses included.

**SCTRASFERA1** - International travel for system start-up with 1 day hotel booking. Linergy technician's domestic trip. Round trip and hotel booking expenses included.



**SCBGARPLUS1A** - Warranty extension service of 1 year with respect to the standard warranty. For systems with nominal power between 1 and 3KVA. Extended warranty does not include the batteries.

**SCBGARPLUS1B** - Warranty extension service of 1 year with respect to the standard warranty. For systems with nominal power between 5 and 10KVA. Extended warranty does not include the batteries.

**SCBGARPLUS3A** - Warranty extension service of 3 years with respect to the standard warranty. For systems with nominal power between 1 and 3KVA. Extended warranty does not include the batteries.

**SCBGARPLUS3B** - Warranty extension service of 3 years with respect to the standard warranty. For systems with nominal power between 5 and 10KVA. Extended warranty does not include the batteries.

ORDER CODE	SHORT CODE	DESCRIPTION
SCTRASFERA	A 112	INTERNATIONAL TRAVEL FOR SYSTEM START-UP
SCTRASFERA1	A 113	INTERNATIONAL TRAVEL WITH 1 NIGHT FOR SYSTEM START-UP
SCBLAN	A 125	BOARD UPS ONLINE
SCBMOD	A 126	SIGNALLING MODULE BOARD FOR SPY CENTER BASIC
SCBAT-RX-SCB	A 259	BATTERY MONITORING SYSTEM SPY CENTER BASIC RECEIVER
SCBAT-TX	A 260	BATTERY MONITORING SYSTEM TRANSMITTER
SCBMLE	A 264	EXTERNAL LINES ACTUATOR MODULE
SS-ATTIVA4	A 272	4H CENTRAL START-UP SERVICE
SS-ATTIVA8	A 273	8H CENTRAL START-UP SERVICE
SCBGARPLUS1A	A 292	1 YEAR WARRANTY EXTENSION 1-3 KVA
SCBGARPLUS1B	A 293	1 YEAR WARRANTY EXTENSION 5-10 KVA
SCBGARPLUS3A	A 294	3 YEARS WARRANTY EXTENSION 1-3 KVA
SCBGARPLUS3B	A 295	3 YEARS WARRANTY EXTENSION 5-10 KVA



SPY CENTER BASIC	ORDER CODE	SHORT CODE	OUTPUT LINES	BATTERY	DURAT.	NOMINAL POWER (W)	ACTIVE POWER (W)	POWER (W) IN ACCORD. W/ EN 50171	OUTPUT VOLTAGE	N. CABINET	DIM. SYSTEM CAB. LxPxH (mm)	DIM. BATTERY CAB. LxPxH (mm)
	SCB010P10	SC1501	N/M + M	3 x Pb 12V	1 h	1000	900	750	230 Vac	2	145 x 350 x 230	590 x 450 x 400
	SCB010P20	SC1502	N/M + M	3 x Pb 12V	2 h	1000	900	750			145 x 350 x 230	590 x 450 x 400
	SCB010P30	SC1503	N/M + M	3 x Pb 12V	3 h	1000	900	750			145 x 350 x 230	564 x 774 x 538
	SCB020P10	SC1504	N/M + M	6 x Pb 12V	1 h	2000	1600	1300			192 x 460 x 348	590 x 450 x 400
	SCB020P20	SC1505	N/M + M	6 x Pb 12V	2 h	2000	1600	1300			192 x 460 x 348	564 x 774 x 538
	SCB020P30	SC1506	N/M + M	6 x Pb 12V	3 h	2000	1600	1300			192 x 460 x 348	564 x 774 x 911
	SCB030P10	SC1507	N/M + M	8 x Pb 12V	1 h	3000	2400	2000			192 x 460 x 348	564 x 774 x 538
	SCB030P20	SC1508	N/M + M	8 x Pb 12V	2 h	3000	2400	2000			192 x 460 x 348	564 x 774 x 911
	SCB030P30	SC1509	N/M + M	8 x Pb 12V	3 h	3000	2400	2000			192 x 460 x 348	564 x 774 x 911
	SCB050P10	SC1510	N/M + M	16 x Pb 12V	1 h	5000	4000	3100			240 x 500 x 460	564 x 774 x 911
	SCB050P20	SC1511	N/M + M	16 x Pb 12V	2 h	5000	4000	3100			240 x 500 x 460	564 x 774 x 1654
	SCB050P30	SC1512	N/M + M	16 x Pb 12V	3 h	5000	4000	3100			240 x 500 x 460	564 x 774 x 1654
	SCB060P10	SC1513	N/M + M	16 x Pb 12V	1 h	6000	4800	4000			240 x 500 x 460	564 x 774 x 911
	SCB060P20	SC1514	N/M + M	16 x Pb 12V	2 h	6000	4800	4000			240 x 500 x 460	564 x 774 x 1654
	SCB060P30	SC1515	N/M + M	16 x Pb 12V	3 h	6000	4800	4000			240 x 500 x 460	564 x 774 x 1654
	SCB080P10	SC1516	N/M + M	16 x Pb 12V	1 h	8000	6400	5300			240 x 500 x 460	564 x 774 x 1654
	SCB080P20	SC1517	N/M + M	16 x Pb 12V	2 h	8000	6400	5300			240 x 500 x 460	564 x 774 x 1654
	SCB080P30	SC1518	N/M + M	16 x Pb 12V	3 h	8000	6400	5300			240 x 500 x 460	564 x 774 x 1654
	SCB100P10	SC1519	N/M + M	16 x Pb 12V	1 h	10000	8000	6500			240 x 500 x 460	564 x 774 x 1654
	SCB100P20	SC1520	N/M + M	16 x Pb 12V	2 h	10000	8000	6500			240 x 500 x 460	564 x 774 x 1654
	SCB100P30	SC1521	N/M + M	16 x Pb 12V	3 h	10000	8000	6500			240 x 500 x 460	564 x 774 x 1654

**Note.** Upon request Central Power Systems with TRI-PHASE INPUT/OUTPUT can be sized and produced.











# Guide to the emergency luminaires

Emergency lights are used for safety backup lighting when normal lighting fails due to power outages.

The Law and various technical standards require the presence of

safety lighting in all places of work, in order to avoid discomfort and specially to ensure the security and the safety of persons, in cases of failure or power supply outages, fires or other accidents.

Every product in this catalog is characterized by a series of codes that represents it. Below is the legend of the product codes and an example of the code for a high flux **Prodigy** luminaire

## PRODUCT CODES KEY

PRODUCT	POWER	BATTERY	DURATION	TYPE	COLOUR	VERSION	FUNCTIONS	FLUX
AL Atex Led	100 - 1 led	L	10 1h	A	B	S	T	H
AS Astra	200 - 2 led	Lithium	13 1h 30'	Maintained	White	Standard	Energy Test	High Flux
BG Big One	300 - 3 led		20 2h	M	G	R	C	HH
CE Cristal Evo	04 Watt	N	30 3h	E	Grey	Rest Mode	Centralized Supervision Spy System	Highets Flux
CI Cristal Ice	06 Watt	Nickel		Non		I		
CM Cometa	08 Watt	Cadmium		Maintained		Inhibition		
CW Cristal Wall	11 Watt	Nickel Metal Hydrate		N/M		M	SC	
DU Dual Led	18 Watt			I		Movie	Centralized Supervision Spy Center	
EI Euroinverter	24 Watt	P		Lighting L				
FE Free		Lead		M			SC24	
FG Flag		F		Movie			Centralized Supervision Spy Center 24V	
FT Fastinverter L/Alta Resa T8		Li-FePO4					B	
FX Fox							Energy Test Touch	
IT Ictetek							D	
KL K-Led							Dali	
LD/LS Led							W	
LI/LH Led Inverter							Spy System Wireless	
LN Linea Led								
LV Lyra Evo								
LX Lexit								
MB/ML Moon Led								
MG Mini Glass								
NL Nanoled								
OR Orion								
PR/PS Prodigy								
PW Prodigy Wall								
PX/PZ Prodigy XL								
QU Qube								
SB Seven Glass								
SC24 Spy Center24								
SCB Spy Center Basic								
SCE Spy Center Evo								
SCK Spy Center LPS Compact								
SCL Spy Center LPS								
SF Seven Plus								
SG Seven Plus Led								
SS Spy System								
ST Step								
SW Swing								
VA Vialled IP65								
VB Vialled Evo Mini Box								
VD Vip Led								
VE Vialled Evo								
VF Vialled High Mini Box								
VH Vialled High								
VN Vialled Net								
VT/VU Vialled Tube								
VW Vialled Wall								

Example of a code for a high flux Prodigy luminaire

PR	24	F	10	E	B	R	T	-	H
----	----	---	----	---	---	---	---	---	---

**INHIBIT**

Inhibitory connection

It is possible to inhibit the emergency system functioning by utilizing the inhibition function. It is a switch which is connected to the luminaire's A and B terminals (fig. 1). This is a low-cost solution, but it has a disadvantage: in the event of a breakdown on the inhibition line, or if the switch is inadvertently left on the "OFF" position, the system is permanently inhibited and consequently the luminaires do not switch on. To remedy these problems, the regulations envision the "rest mode" function, by which a centralized control device is connected to terminals A and B instead of a switch (fig. 2). It manages the inhibition of the luminaires and keeps them active and self-restorable in the event of a blackout. If it is linked with "ENERGY TEST" ceiling lights this fixture also allows you to carry out the functionality test of the emergency system.

**REST MODE**

Rest Mode connection

**ENERGY TEST**

Local self-diagnostics

The Linergy light fittings of the "Energy Test" series is equipped with a microprocessor for constant monitoring and prompt reporting of any malfunction due to a flat battery or light source.

FUNCTION TEST: every 14 days the light fitting switches on the light source for 20 seconds to ensure its functionality.

DURATION TEST: every 84 days a power failure is simulated, the battery is completely discharged and the lamp's nominal duration is checked.

**SPY SYSTEM**Centralised self-diagnosis  
with control units

The Spy System series of Linergy light fittings are self-diagnostic lamps as described above, that can be connected to and managed by their related control units.

**SPY SYSTEM WIRELESS**Centralized wireless self-diagnosis  
with supervision units

The luminaires of the Spy System Wireless series are lamps with self-diagnosis, which can be managed and controlled by the Spy System units by means of wireless communication with mesh network technology.

**DALI**Centralised self-diagnosis  
with third-party DALI systems

DALI (Digital Addressable Lighting Interface) is an international standard communication protocol for the management of lighting systems, both ordinary and emergency. For further information see p. 28.

**CENTRAL BATTERY**Light fittings powered via certified  
emergency backup

Supplied only with the power supply/driver and the light source, these are certified light fittings that can be connected to various type of emergency backup units. Generally powered at 230Vac, they are able to ensure good lighting performance.

**SPY CENTER**Light fittings powered by Spy  
Center certified emergency  
backup unit with single-point  
control

Specific series of lamps to be connected to the Spy Center emergency backup units, as they feature an internal control and monitoring module with PLC technology, and, of course, to the power supply and light source.

**SPY CENTER 24**Light fittings powered by  
Spy Center 24 certified  
emergency backup unit

LED light fittings, with drivers and addressing and communication module connectable to Spy Center 24 series emergency backup units at extra-low voltages of 24Vdc. Each product is powered by the emergency power unit and features PLC control.

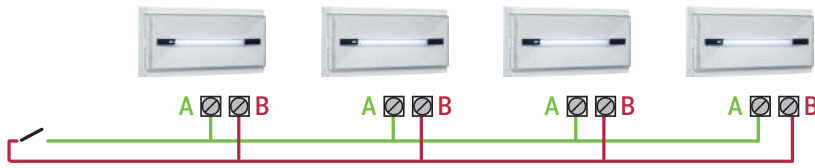


Fig. 1 INHIBIT Diagram

Connection with Inhibition

For correct installation, the switch must be accessible only to staff authorized for maintenance operations.

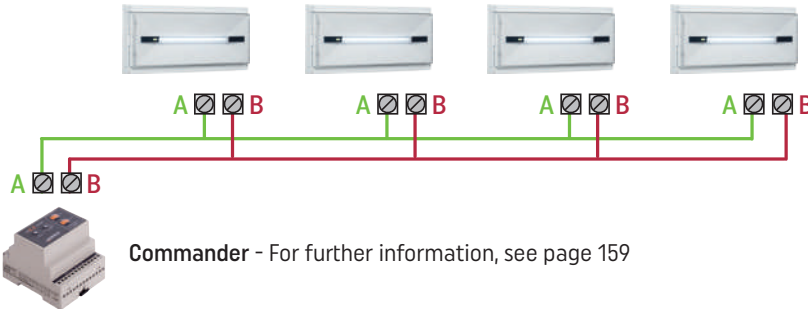


Fig. 2 REST MODE Diagram

Connection with Rest Mode  
(Compliant connection)

**Commander** - For further information, see page 159

### MOVIE - Movie version public event

The "Movie" range of ceiling lights are recommended for cinemas and theatres. In normal conditions, the lighting provided does disturb the show but is still able to ensure visibility of the exit routes. In the event of an emergency, the luminaire provides maximum brightness. These luminaires utilize LED technology.

### ENERGY TEST TOUCH

The "Touch" version makes it possible to activate several special functions by simply touching the sensitive area of the luminaire:

- manual start of functional and duration tests;
- memory reset;
- rest mode.

All this in addition to the standard functions of an "Energy Test" luminaire.

### SYNCHRONIZATION PROCEDURE FOR FUNCTIONAL AND AUTONOMY TESTS

- Wherever possible, disconnect the luminaire reflector - including electronic board, battery and Led card/ fluorescent tube - from the wall base (traditional luminaires with comb connection terminal block).
- In all other cases (inverter and luminaires with extractable terminal block) open the jumper of terminals A - B.
- Wait 5 seconds.
- Replace the reflector on the wall base or close the jumper on terminals A - B.

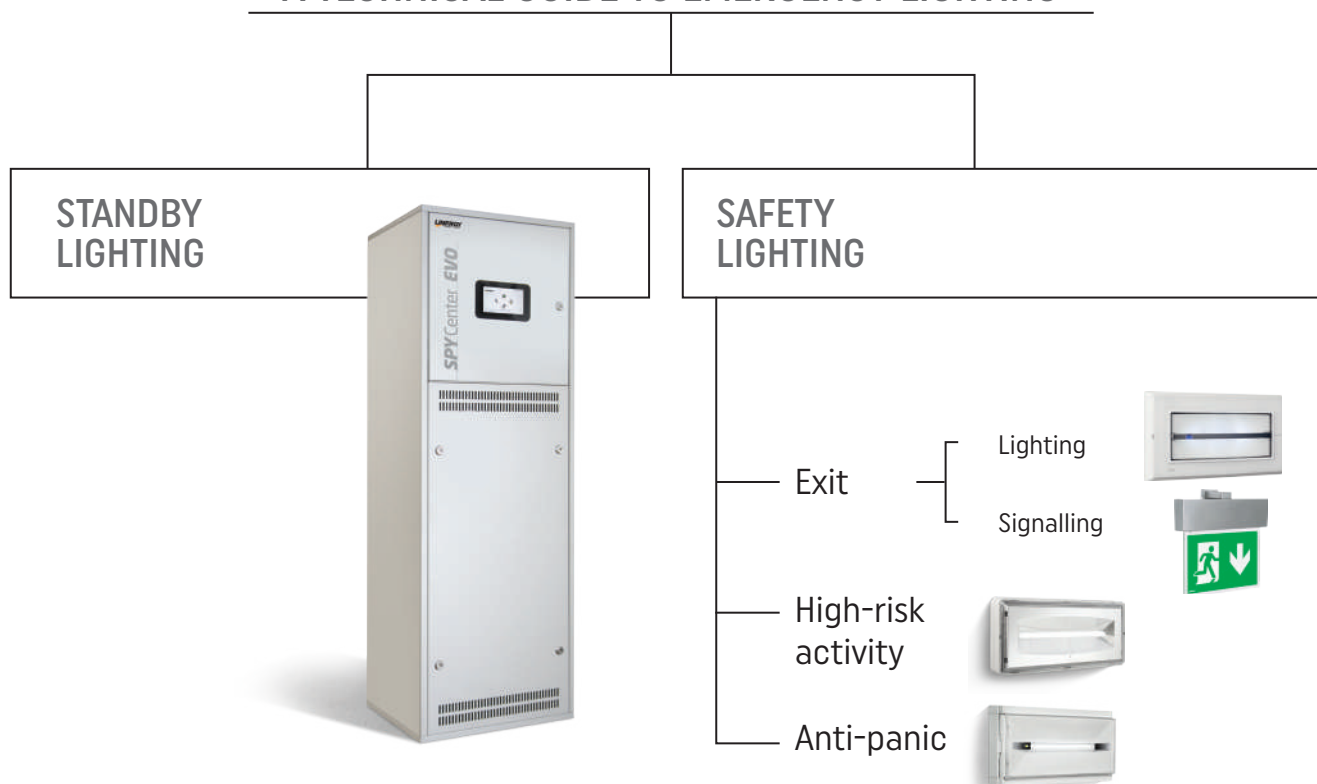
**Note:** This operation must be performed annually on each luminaire. Example: If you want the luminaire to perform tests in the morning, the operation must be performed in the daytime (e.g. 9 a.m.).







## A TECHNICAL GUIDE TO EMERGENCY LIGHTING



### STANDBY LIGHTING

Allows you to continue with your activity in the absence of normal lighting.

### SAFETY LIGHTING

#### EXIT

Illuminates and indicates the exit paths within a place that guide you until you reach a safe area.

Features:

- pictogram on a green background which must cover at least 50% of the surface area
- it must be rectangular or square
- its dimensions must be adequate enough to ensure clear visibility.
- the message must be **clear, immediate** and respect EN 1838 and ISO 7010 regulations

Backlighting (in contrast to external lighting) allows for greater visibility of the pictogram both in normal conditions as well as in the absence of normal lighting. Ceiling lights can be either maintained (M) or non-maintained (N/M). The latter may be sufficient in places which are lit normally.

The visual range, according to EN 1838, is calculated with the formula  $L = z \times h$  (see page 131).

$z$  is a constant with 100 for signs lit externally, 200 for those back-lit.

Example: a back-lit sign with height of 16 cm will be visible at a distance equal to 200 times  $h$ , i.e. 32 metres.

The same sign lit externally will have visibility equal to 100 times  $h$ , i.e. 16 metres.

Only the height of the pictogram defines its visibility, not its length.

#### HIGH-RISK ACTIVITIES

Allows workers to stop performing dangerous operations through the use of correct procedures.

The safety lighting for high-risk activities must be 10% of the normal lighting, or at any rate a minimum value of 15 lux. In addition, uniform lighting with ratio between maximum and minimum no greater than 10 is required.

#### ANTI-PANIC

Limits the risk of panic caused by sudden darkness.

The minimum illumination required, without taking into consideration wall reflections, is 0.5 lux on the ground over the entire area excluding a 50 cm perimeter strip.

For the purposes of uniformity, the ratio between maximum and minimum illumination must not exceed a value of 40.

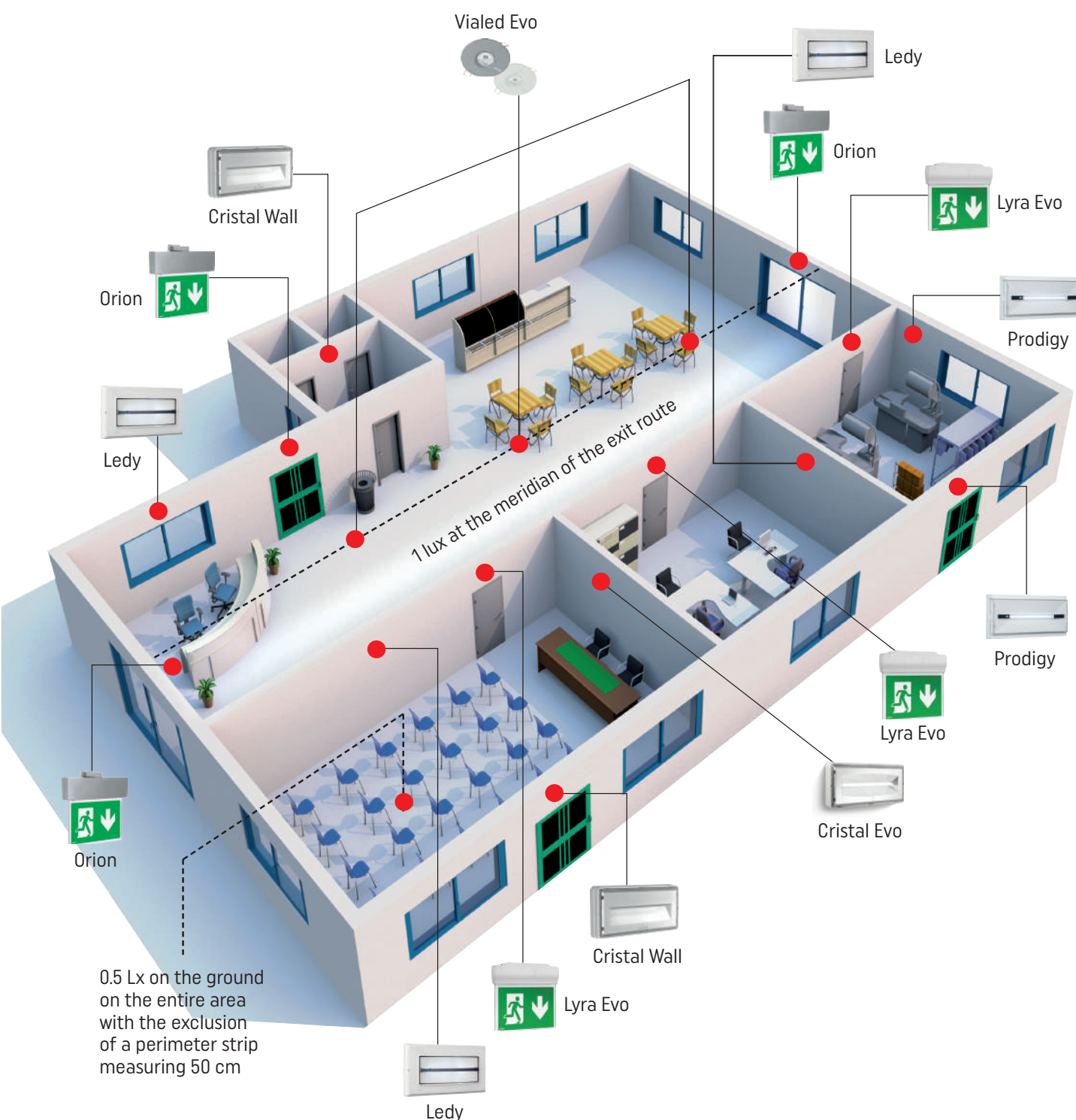
This information was updated in compliance with EN 1838 2013.



## ARRANGEMENT OF THE LUMINAIRE DEVICES

- near\* to every Emergency door
- near\* to every flight of stairs which must receive direct light
- near\* to every change in level.
- on the safety signs on the exit routes lit externally
- at every change in direction.
- at every corridor crossing.
- at every safe place in which individuals converge outside the emergency exit
- near\* to every first-aid site, 5lx
- near\* to every fire fighting device and calling point, 5lx
- near\* to every evacuation device for the disabled
- near\* to shelters and collection points for the disabled
- near\* to the wc for the disabled

\*near means within 2 m







# LED technology emergency luminaires

## WHAT THEY ARE

LED emergency lights are used for safety backup lighting when normal lighting fails due to power outages.

## WHY USE THEM

The Law and various technical standards require the presence of safety lighting in all places of work, in order to avoid discomfort and specially to ensure the security and the safety of persons, in cases of failure or power supply outages, fires or other accidents.

## TYPE OF OPERATION

Non-maintained models or N/M type: the luminaire turns on only in case of blackout.

Models with maintained functioning or M type: the luminaire remains on constantly if the power grid is operational or not. This type of operation is suitable for illuminating a pictogram to indicate the escape route. Lighting models or L type: the luminaire

fixtures are equipped with a power supply/driver and the light source, they do not have batteries. They are powered by a mains voltage or backup systems. They may have different power supply voltages according to the model; for example, 230Vac, 110Vac or 48Vdc.

## PROTECTION RATING

The degree of protection IPxx indicates the mechanical protection of the light fixture to external agents. The first digit indicates the degree of protection against the entrance of solid bodies, the second digit is against liquid.

## LUMINOSITY

The luminous flux of the lamp emitted during emergencies is a fundamental parameter. It is used, together with the radiation pattern, to design the lighting of the system. It represents the amount of light energy emitted by the source in a unit of time, the unit

of measurement is the lm (lumens), and it has nothing to do with Watts, the number of LEDs or battery size. The emergency flux of the fixture always shows the emergency flux, while two fluxes are indicated for SA-type fixtures.

## BATTERY LIFE

Regulations require different duration according to the various environments: 30' (minutes), 1h, 1h30', 2h. Then there are also products having 3 hours of battery life and more. The batteries must be replaced when nominal battery life is no longer ensured due to degradation.

## CHARGING TIME

The "Charging time" indicates the time needed to recharge the battery in order to ensure its nominal duration. As a rule, the product standard indicates a charging time of 24 hours. In various environments laws and regulations indicate devices with charging in 12h.



# Ledy



State of the art Led technology

Recyclable batteries with low maintenance cost

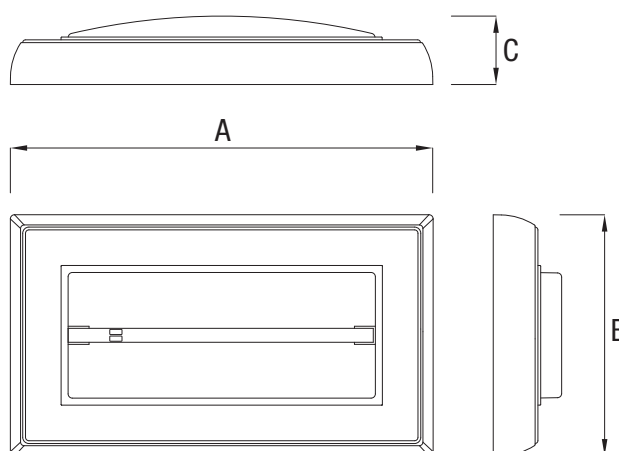
Ideal for indoor and outdoor installation



**Also available  
in Touch version**

## TECHNICAL FEATURES

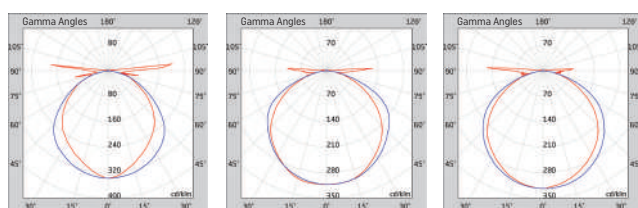
- Can also be installed onto surfaces that are normally flammable
- Maximum battery recharging time: 12 h
- Large catalog of frames and aesthetic plates
- Installation: wall-mounted, flag style, ceiling and recessed
- No maintenance: long life LED and high efficiency lithium battery
- Standard color: white
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471



A=303 mm B=173 mm C=49 mm

[support@linergy.it](mailto:support@linergy.it) | technical support (+39) 334 1133875

## PHOTOMETRIC DIAGRAMS



1 LEDs

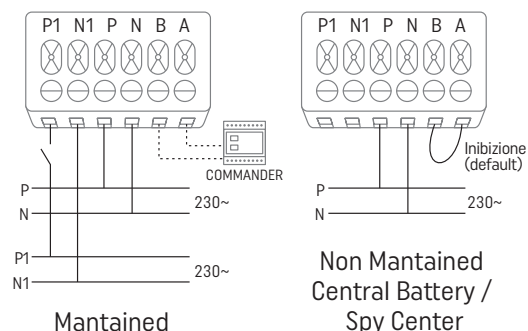
2 LEDs

3 LEDs

## QUICK COUPLING

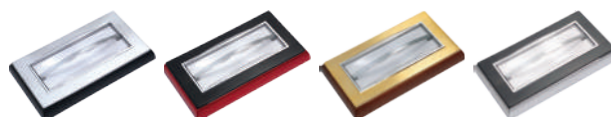
The bottom of the ceiling light is set-up for fixing to common boxes used in the electric plant. In addition to knockout rear entrances, three lateral entrances x 16 mm tubes are envisioned.

## ELECTRIC CONNECTIONS



## INTERCHANGEABLE PLATE AND FRAMES

LEDY can be finished aesthetically with the plates and the flush-wall frames in different colours and materials. The many choices of colours and matches allow LEDY to blend with any setting; from the most modern to traditional.



## PLATES

EDI &amp; PAOLO CIANI design

LD PL-B  
White finishLD PL-N  
Black finishLD PL-G  
Grey finishLD PL-R  
Red finishLD PL-GI  
Yellow finishLD PL-O  
Gold finishLD PL-A  
Orange finishLD PL-V  
Green finishLD PL-BL  
Blue finishLD PL-FA  
Beech wood finishLD PL-W  
Wenge finishLD PL-NO  
Walnut finish

## FRAMES

EDI &amp; PAOLO CIANI design

LD CO-B  
White finishLD CO-N  
Black finishLD CO-G  
Grey finishLD CO-R  
Red finishLD CO-GI  
Yellow finishLD CO-O  
Gold finishLD CO-A  
Orange finishLD CO-V  
Green finishLD CO-BL  
Blue finishLD CO-FA  
Beech wood finishLD CO-W  
Wenge finishLD CO-NO  
Walnut finish



## ACCESSORIES



**INC M LD** - Wall box for recessed installation  
Dimensions (mm): internal 274 x 144  
max external 290 x 160



**LD KT CGE** - Plasterboard and false ceiling fastening kit. Kit for fixing the ceiling light on the plasterboard walls and false ceiling.



**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions.



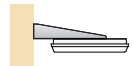
**GRIG04** - Protective grating  
Made in galvanized metal for complete protection of the luminaire body against accidental blows or acts of vandalism



**CR KT BLINDO** - Busway accessory  
Accessory that allows hook up to the busbar



**LD KT SEG** - Signalling kit. With this kit the LEDY can be used as a signalling luminaire in compliance with EN 1838 Standard. Kit of pictograms supplied as standard. Visual range with pictogram = 23mt.



**SM KT SUP** - Kit for flag style fastening  
Bracket for fixing the ceiling light in flag style



**KIT 45GRADI** - With this bracket, the luminaire can be installed with an inclination



**LDIS01 - LDIS02 - LDIS08** - Pictograms  
See the "Accessories and spare parts" section on page 160. Visual range with pictogram = 17 m

ORDER CODE	SHORT CODE	DESCRIPTION
CRKTBINDO	A 005	BUSBAR KIT
GRIG04	A 015	PROTECTIVE GRATING
INCMLD	A 022	WALL BOX RECESSED INSTALLATION LEDY
LDKTCGE	A 029	PLASTERBOARD AND DROPPED-CEILING FASTENING KIT LEDY
LDKTSEG	A 030	SIGNALING KIT LEDY
SMKTSUP	A 047	KIT FOR FLAG-STYLE FASTENING
KIT45GRADI	A 092	CLASP FOR FIXING AT 45 DEGREES
LDIS01	A 168	PICTOGRAMS FOR LEDY L
LDIS02	A 169	PICTOGRAMS FOR LEDY R
LDIS08	A 170	PICTOGRAMS FOR LEDY LW
LDCO-N	A 191	BLACK FINISH FRAME LEDY
LDPL-N	A 192	BLACK FINISH PLATE LEDY
LDCO-BL	A 196	BLUE FINISH FRAME LEDY
LDPL-BL	A 197	BLUE FINISH PLATE LEDY
LDCO-FA	A 201	BEECH WOOD FINISH FRAME LEDY
LDPL-FA	A 202	BEECH WOOD FINISH PLATE LEDY
LDCO-G	A 207	GREY FINISH FRAME LEDY
LDPL-G	A 208	GREY FINISH PLATE LEDY
LDCO-O	A 212	GOLD FINISH FRAME LEDY
LDPL-O	A 213	GOLD FINISH PLATE LEDY
LDCO-V	A 217	GREEN FINISH FRAME LEDY
LDPL-V	A 218	GREEN FINISH PLATE LEDY
LDCO-NO	A 222	WALNUT WOOD FINISH FRAME LEDY
LDPL-NO	A 223	WALNUT WOOD FINISH PLATE LEDY
LDCO-A	A 227	ORANGE FINISH FRAME LEDY
LDPL-A	A 228	ORANGE FINISH PLATE LEDY
LDCO-R	A 232	RED FINISH FRAME LEDY
LDPL-R	A 233	RED FINISH PLATE LEDY
LDCO-B	A 239	WHITE FINISH FRAME LEDY
LDPL-B	A 240	WHITE FINISH PLATE LEDY
LDCO-W	A 244	WENGE WOOD FINISH FRAME LEDY
LDPL-W	A 245	WENGE WOOD FINISH PLATE LEDY
LDCO-GI	A 249	YELLOW FINISH FRAME LEDY
LDPL-GI	A 250	YELLOW FINISH PLATE LEDY
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

IP42	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
INHIBIT	LD100L10EBI	LD 1101	0,7	1 h	N/M	72		Li-ion 3,7V 17Ah
	LD100L30EBI	LD 1102	0,7	3 h	N/M	72		Li-ion 3,7V 17Ah
	LD200L10EBI	LD 1103	0,7	1 h	N/M	148		Li-ion 3,7V 17Ah
	LD200L30EBI	LD 1104	0,7	3 h	N/M	148		Li-ion 3,7V 4Ah
	LD300L10EBI	LD 1105	0,7	1 h	N/M	220		Li-ion 3,7V 17Ah
	LD300L30EBI	LD 1106	0,7	3 h	N/M	220		Li-ion 3,7V 4Ah
REST MODE	LD100L10ABR	LD 1201	1,7	1 h	M	98	98	Li-ion 3,7V 17Ah
	LD100L30ABR	LD 1202	1,7	3 h	M	80	80	Li-ion 3,7V 17Ah
	LD200L10ABR	LD 1203	3,7	1 h	M	195	195	Li-ion 3,7V 17Ah
	LD200L30ABR	LD 1204	3,7	3 h	M	195	195	Li-ion 3,7V 4Ah
	LD300L10ABR	LD 1205	5,6	1 h	M	300	300	Li-ion 3,7V 17Ah
	LD300L30ABR	LD 1206	5,6	3 h	M	220	220	Li-ion 3,7V 4Ah
ENERGY TEST	LD100L10EBRT	LD 1301	0,7	1 h	N/M	98		Li-ion 3,7V 17Ah
	LD100L30EBRT	LD 1302	0,7	3 h	N/M	80		Li-ion 3,7V 17Ah
	LD200L10EBRT	LD 1303	0,7	1 h	N/M	195		Li-ion 3,7V 17Ah
	LD200L30EBRT	LD 1304	0,7	3 h	N/M	195		Li-ion 3,7V 4Ah
	LD300L10EBRT	LD 1305	0,7	1 h	N/M	300		Li-ion 3,7V 17Ah
	LD300L30EBRT	LD 1306	0,7	3 h	N/M	220		Li-ion 3,7V 4Ah
	LD100L10ABRT	LD 1307	1,7	1 h	M	98	98	Li-ion 3,7V 17Ah
	LD100L30ABRT	LD 1308	1,7	3 h	M	80	80	Li-ion 3,7V 17Ah
	LD200L10ABRT	LD 1309	3,7	1 h	M	195	195	Li-ion 3,7V 17Ah
	LD200L30ABRT	LD 1310	3,7	3 h	M	195	195	Li-ion 3,7V 4Ah
	LD300L10ABRT	LD 1311	5,6	1 h	M	300	300	Li-ion 3,7V 17Ah
	LD300L30ABRT	LD 1312	5,6	3 h	M	220	220	Li-ion 3,7V 4Ah



IP42	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
SPY SYSTEM	LD100L10EBRC	LD 1501	0,7	1 h	N/M	98		Li-ion 3,7V 1,7Ah
	LD100L30EBRC	LD 1502	0,7	3 h	N/M	80		Li-ion 3,7V 1,7Ah
	LD200L10EBRC	LD 1503	0,7	1 h	N/M	195		Li-ion 3,7V 1,7Ah
	LD200L30EBRC	LD 1504	0,7	3 h	N/M	195		Li-ion 3,7V 4Ah
	LD300L10EBRC	LD 1505	0,7	1 h	N/M	300		Li-ion 3,7V 1,7Ah
	LD300L30EBRC	LD 1506	0,7	3 h	N/M	220		Li-ion 3,7V 4Ah
	LD100L10ABRC	LD 1507	1,7	1 h	M	98	98	Li-ion 3,7V 1,7Ah
	LD100L30ABRC	LD 1508	1,7	3 h	M	80	80	Li-ion 3,7V 1,7Ah
	LD200L10ABRC	LD 1509	3,7	1 h	M	195	195	Li-ion 3,7V 1,7Ah
	LD200L30ABRC	LD 1510	3,7	3 h	M	195	195	Li-ion 3,7V 4Ah
	LD300L10ABRC	LD 1511	5,6	1 h	M	300	300	Li-ion 3,7V 1,7Ah
	LD300L30ABRC	LD 1512	5,6	3 h	M	220	220	Li-ion 3,7V 4Ah
CENTRAL BATTERY	LD100000IBS	LD 1901	1,8		L		98	
	LD200000IBS	LD 1902	3		L		195	
	LD300000IBS	LD 1903	4,5		L		300	
SPY CENTER	LD100000IBS-SC	LD 2001	1,8		L		98	
	LD200000IBS-SC	LD 2002	3		L		195	
	LD300000IBS-SC	LD 2003	4,5		L		300	
SPY CENTER 24	LD100000IBS-SC24	LD 2101	1,5		L		98	
	LD200000IBS-SC24	LD 2102	2,9		L		195	
	LD300000IBS-SC24	LD 2103	3,1		L		300	
IP65	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
INHIBIT	LS100L10EBI	LS 1101	0,7	1 h	N/M	72		Li-ion 3,7V 1,7Ah
	LS100L30EBI	LS 1102	0,7	3 h	N/M	72		Li-ion 3,7V 1,7Ah
	LS200L10EBI	LS 1103	0,7	1 h	N/M	148		Li-ion 3,7V 1,7Ah
	LS200L30EBI	LS 1104	0,7	3 h	N/M	148		Li-ion 3,7V 4Ah
	LS300L10EBI	LS 1105	0,7	1 h	N/M	220		Li-ion 3,7V 1,7Ah
	LS300L30EBI	LS 1106	0,7	3 h	N/M	220		Li-ion 3,7V 4Ah
REST MODE	LS100L10ABR	LS 1201	1,7	1 h	M	98	98	Li-ion 3,7V 1,7Ah
	LS100L30ABR	LS 1202	1,7	3 h	M	80	80	Li-ion 3,7V 1,7Ah
	LS200L10ABR	LS 1203	3,7	1 h	M	195	195	Li-ion 3,7V 1,7Ah
	LS200L30ABR	LS 1204	3,7	3 h	M	195	195	Li-ion 3,7V 4Ah
	LS300L10ABR	LS 1205	5,6	1 h	M	300	300	Li-ion 3,7V 1,7Ah
	LS300L30ABR	LS 1206	5,6	3 h	M	220	220	Li-ion 3,7V 4Ah
ENERGY TEST	LS100L10EBRT	LS 1301	0,7	1 h	N/M	98		Li-ion 3,7V 1,7Ah
	LS100L30EBRT	LS 1302	0,7	3 h	N/M	80		Li-ion 3,7V 1,7Ah
	LS200L10EBRT	LS 1303	0,7	1 h	N/M	195		Li-ion 3,7V 1,7Ah
	LS200L30EBRT	LS 1304	0,7	3 h	N/M	195		Li-ion 3,7V 4Ah
	LS300L10EBRT	LS 1305	0,7	1 h	N/M	300		Li-ion 3,7V 1,7Ah
	LS300L30EBRT	LS 1306	0,7	3 h	N/M	220		Li-ion 3,7V 4Ah
	LS100L10ABRT	LS 1307	1,7	1 h	M	98	98	Li-ion 3,7V 1,7Ah
	LS100L30ABRT	LS 1308	1,7	3 h	M	80	80	Li-ion 3,7V 1,7Ah
	LS200L10ABRT	LS 1309	3,7	1 h	M	195	195	Li-ion 3,7V 1,7Ah
	LS200L30ABRT	LS 1310	3,7	3 h	M	195	195	Li-ion 3,7V 4Ah
	LS300L10ABRT	LS 1311	5,6	1 h	M	300	300	Li-ion 3,7V 1,7Ah
	LS300L30ABRT	LS 1312	5,6	3 h	M	220	220	Li-ion 3,7V 4Ah
SPY SYSTEM	LS100L10EBRC	LS 1501	0,7	1 h	N/M	98		Li-ion 3,7V 1,7Ah
	LS100L30EBRC	LS 1502	0,7	3 h	N/M	80		Li-ion 3,7V 1,7Ah
	LS200L10EBRC	LS 1503	0,7	1 h	N/M	195		Li-ion 3,7V 1,7Ah
	LS200L30EBRC	LS 1504	0,7	3 h	N/M	195		Li-ion 3,7V 4Ah
	LS300L10EBRC	LS 1505	0,7	1 h	N/M	300		Li-ion 3,7V 1,7Ah
	LS300L30EBRC	LS 1506	0,7	3 h	N/M	220		Li-ion 3,7V 4Ah
	LS100L10ABRC	LS 1507	1,7	1 h	M	98	98	Li-ion 3,7V 1,7Ah
	LS100L30ABRC	LS 1508	1,7	3 h	M	80	80	Li-ion 3,7V 1,7Ah
	LS200L10ABRC	LS 1509	3,7	1 h	M	195	195	Li-ion 3,7V 1,7Ah
	LS200L30ABRC	LS 1510	3,7	3 h	M	195	195	Li-ion 3,7V 4Ah
	LS300L10ABRC	LS 1511	5,6	1 h	M	300	300	Li-ion 3,7V 1,7Ah
	LS300L30ABRC	LS 1512	5,6	3 h	M	220	220	Li-ion 3,7V 4Ah
CENTRAL BATTERY	LS100000IBS	LS 1901	1,8		L		98	
	LS200000IBS	LS 1902	3		L		195	
	LS300000IBS	LS 1903	4,5		L		300	
SPY CENTER	LS100000IBS-SC	LS 2001	1,8		L		98	
	LS200000IBS-SC	LS 2002	3		L		195	
	LS300000IBS-SC	LS 2003	4,5		L		300	
SPY CENTER 24	LS100000IBS-SC24	LS 2101	1,5		L		98	
	LS200000IBS-SC24	LS 2102	2,9		L		195	
	LS300000IBS-SC24	LS 2103	3,1		L		300	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.lineryg.it](http://www.lineryg.it)  
The synchronization procedure for the function and duration tests of Lineryg Energy test fixtures is on page 51



# Prodigy



Minimal power consumption:  
only 200 mW\*

Latest generation and long life LEDs

Ideal for indoor and outdoor installation



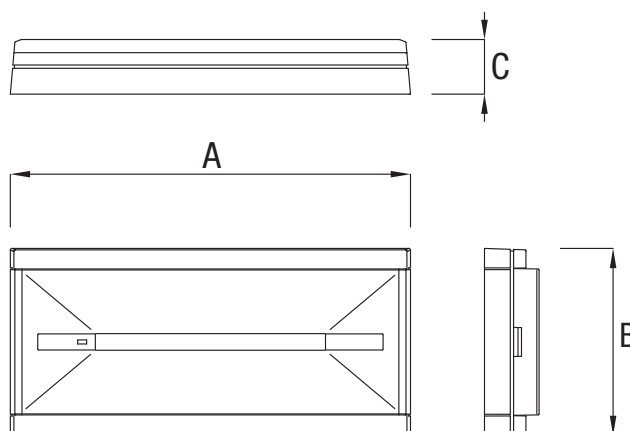
\* On N/M models with charged battery



**Also available  
in Touch version**

## TECHNICAL FEATURES

- Lens designed to optimize the light flux
- Li-FePO4 battery: it lasts twice as long as the traditional batteries Ni-Cd
- Aesthetic finish frame supplied as standard
- Recharge: 12h
- Can also be installed onto surfaces that are normally flammable
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471

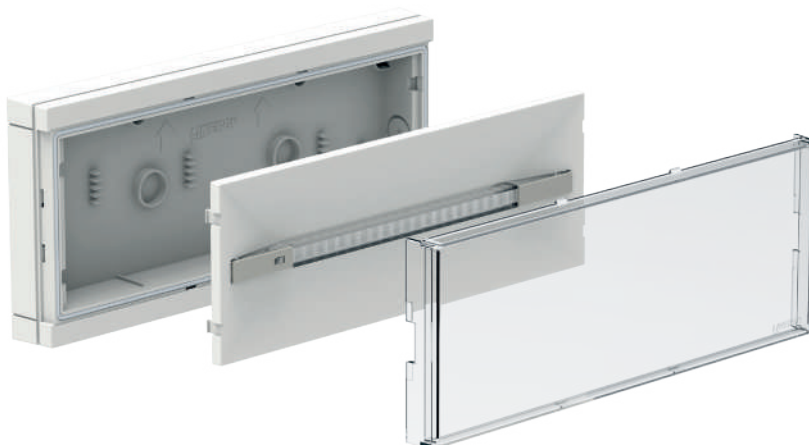


A=243 mm B=114 mm C=33 mm

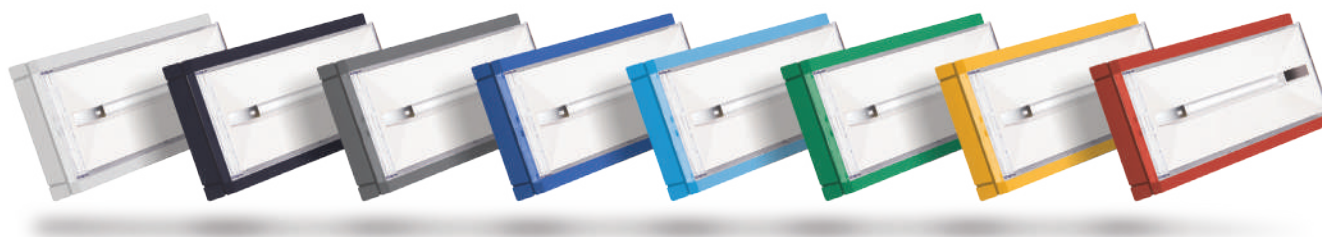
[support@linergy.it](mailto:support@linergy.it) | technical support (+39) 334 1133875

## EASY AND QUICK INSTALLATION

The lamp has a wall mount base with predisposition for 16 or 20mm tube on three lateral sides by using the RATS 16-20 joint with IP65.



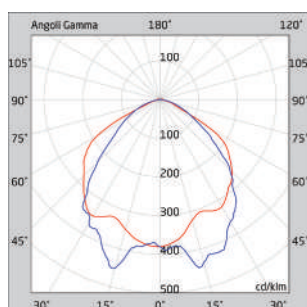
## AVAILABLE FINISHING



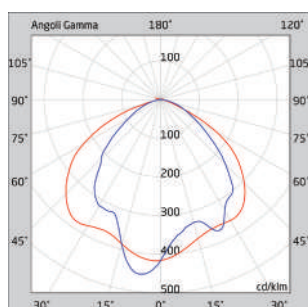
Prodigy's standard color is white but it is possible to have it painted in any color. Just add in the order form the code **PRODIGYCOLOR** and specify the RAL color and the desired shiny/opaque finish.

ORDER CODE	SHORT CODE	DESCRIPTION
PRODIGYCOLOR	A 186	PRODIGY OPTION COLOR

## PHOTOMETRIC DIAGRAMS



10 LEDs

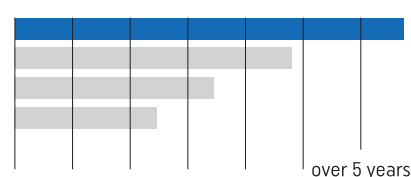


20 LEDs



**Li-FeP04 Battery**  
service efficiency

Li-FeP04  
NiMH  
NiCd  
Pb





## ACCESSORIES



**INC M PR** - Wall box for recessed installation  
Dimensions (mm): internal 224.1 x 90.1  
max external 230.3 x 102.3



**PR KT CGE** - Plasterboard and false ceiling fastening kit. Kit for fixing the ceiling light on the plasterboard walls and false ceiling.



**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions



**GRIG03** - Protective grating  
Made in galvanized metal for complete protection of the luminaire body against accidental blows or acts of vandalism.



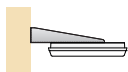
**CR KT BLINDO** - Busway accessory  
Accessory that allows hook up to the busbar



**PR KT SEG** - Signalling kit  
With this kit the PRODIGY can be used as a signalling luminaire in compliance with EN 1838. Standard Kit of pictograms supplied as standard. Visual range with pictogram = 24m



**RATS 16-20** - IP42-IP65 fitting for pipes with diameter of 16 and 20 mm. The accessory is supplied with IP65 models and can be ordered separately for IP42 models



**SM KT SUP** - Kit for flag style fastening  
Bracket for fixing the ceiling light in flag style



**KIT 45GRADI** - With this bracket, the luminaire can be installed with an inclination of 45°



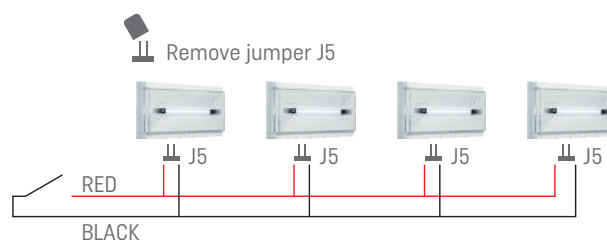
**KIT MSINIB** - Kit composed of cable and connector to make an external inhibition line. To be ordered separately



**PRIS01 - PRIS02 - PRIS08 - Pictograms**  
See the "Accessories and spare parts" section on page 160. Visual range with pictogram = 17 m



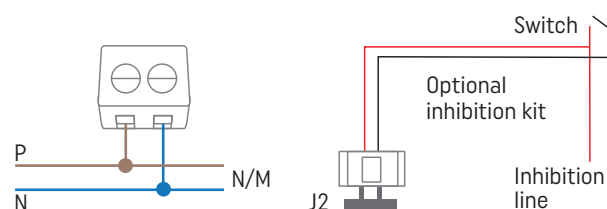
## PERMANENT LINE INTERRUPTION



With accessory code: KITMSINIB to be ordered separately

## INHIBITION ELECTRICAL CONNECTION

(CODES -EBI)

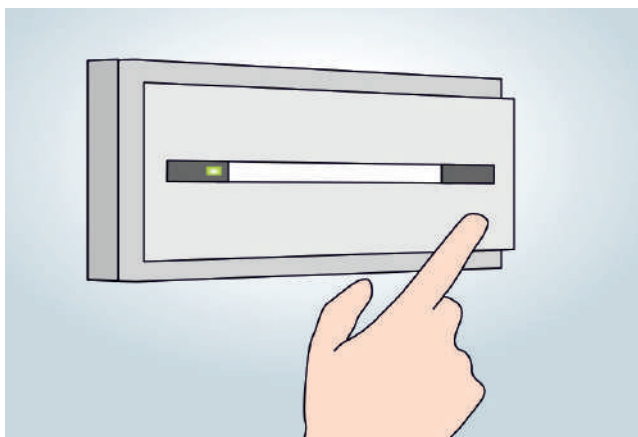


ORDER CODE	SHORT CODE	DESCRIPTION
CRKTBINDO	A 005	BUSBAR KIT
GRIG03	A 014	PROTECTIVE GRATING
INCMPR	A 023	WALL BOX RECESSED INSTALLATION PRODIGY
KITMSINIB	A 028	INHIBITION KIT
PRKTCGE	A 038	PLASTERBOARD AND DROPPED-CEILING FASTENING KIT PRODIGY
PRKTSEG	A 039	SIGNALING KIT PRODIGY
RATS16-20	A 043	IP42 + IP65 CONNECTOR D=16/20MM
SMKTSUP	A 047	KIT FOR FLAG-STYLE FASTENING
KIT45GRADI	A 092	CLASP FOR FIXING AT 45 DEGREES
PRIS01	A 171	PICTOGRAM FOR PRODIGY ARROW LEFT
PRIS02	A 172	PICTOGRAM FOR PRODIGY ARROW RIGHT
PRIS08	A 173	PICTOGRAM FOR PRODIGY ARROW DOWN
PRODIGYCOLOR	A 186	PRODIGY OPTION COLOR
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

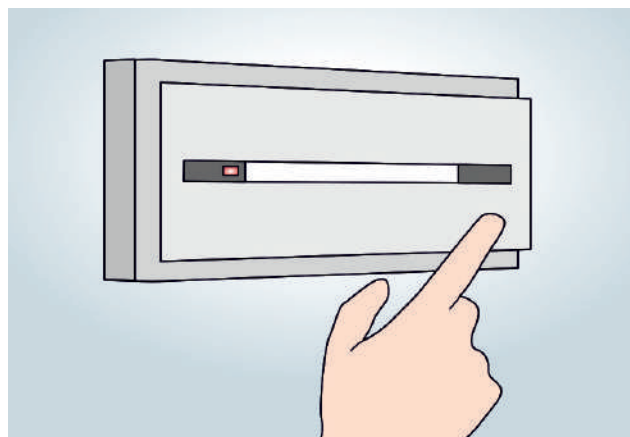


## Prodigy Energy Test Touch: functional and duration tests in 1 touch

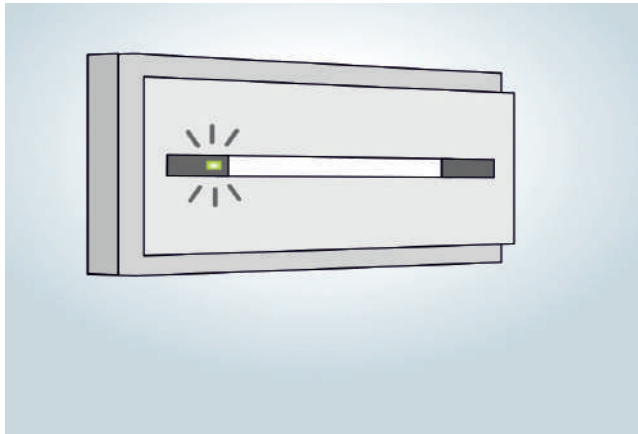
PRODIGY with ENERGY TEST TOUCH function, via a touch-sensitive area, provides an "invisible" key to activate certain special functions, thus preserving the aesthetics of the lamp and the IP protection rating with no holes.



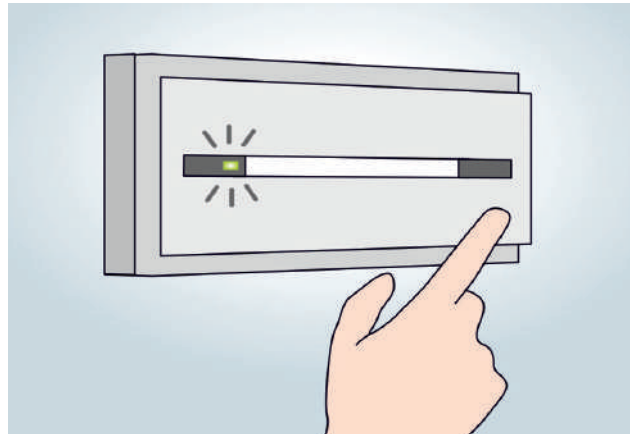
To start the test, just press the touch area: 1" for the manual functional test 10" for the manual duration test



To confirm that the touch input was received, the led turns solid red for as long as the area is pressed



The led flashes green: the test is in progress



To interrupt the test, just press the touch area again

**Note:** in the event of a power failure, the lighted lamp in emergency can be put at rest (rest mode) by pressing the touch area for 1" and can be turned back on by pressing it again for 1"







IP42	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY	05
INHIBIT	PR08F13EBI	PR 1101	0,3	1,5 h	N/M	110		Li-FeP04 3,2V 0,55Ah	•
	PR11F13EBI	PR 1102	0,3	1,5 h	N/M	175		Li-FeP04 3,2V 1,5Ah	•
	PR24F13EBI	PR 1103	0,3	1,5 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•
REST MODE	PR08F30EBR	PR 1201	0,3	3 h	N/M	110		Li-FeP04 3,2V 1,5Ah	•
	PR11F30EBR	PR 1202	0,3	3 h	N/M	175		Li-FeP04 3,2V 3Ah	•
	PR24F30EBR	PR 1203	0,3	3 h	N/M	280		Li-FeP04 3,2V 3Ah	•
	PR08F10ABR	PR 1204	2	1 h	M	110	160	Li-FeP04 3,2V 0,55Ah	•
	PR08F30ABR	PR 1205	2	3 h	M	110	160	Li-FeP04 3,2V 1,5Ah	•
	PR11F10ABR	PR 1206	2,2	1 h	M	175	160	Li-FeP04 3,2V 1,5Ah	•
	PR11F30ABR	PR 1207	2,2	3 h	M	175	160	Li-FeP04 3,2V 3Ah	•
	PR24F10ABR	PR 1208	2,7	1 h	M	280	225	Li-FeP04 3,2V 1,5Ah	•
	PR24F30ABR	PR 1209	2,7	3 h	M	280	225	Li-FeP04 3,2V 3Ah	•
REST MODE HIGH FLUX	PR08F13EBR-H	PR 1210	0,3	1,5 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•
	PR08F30EBR-H	PR 1211	0,3	3 h	N/M	280		Li-FeP04 3,2V 3Ah	•
	PR11F13EBR-H	PR 1212	0,3	1,5 h	N/M	375		Li-FeP04 3,2V 3Ah	•
	PR11F30EBR-H	PR 1213	0,3	3 h	N/M	375		Li-FeP04 3,2V 4,5Ah	•
	PR24F10EBR-H	PR 1214	0,3	1 h	N/M	470		Li-FeP04 3,2V 3Ah	•
ENERGY TEST	PR24F20EBR-H	PR 1215	0,3	2 h	N/M	470		Li-FeP04 3,2V 4,5Ah	•
	PR08F10EBRT	PR 1301	0,2	1 h	N/M	110		Li-FeP04 3,2V 0,55Ah	•
	PR08F30EBRT	PR 1302	0,2	3 h	N/M	110		Li-FeP04 3,2V 1,5Ah	•
	PR11F10EBRT	PR 1303	0,2	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah	•
	PR11F30EBRT	PR 1304	0,2	3 h	N/M	175		Li-FeP04 3,2V 3Ah	•
	PR24F10EBRT	PR 1305	0,2	1 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•
	PR24F30EBRT	PR 1306	0,2	3 h	N/M	250		Li-FeP04 3,2V 3Ah	•
	PR08F10ABRT	PR 1307	1,8	1 h	M	110	160	Li-FeP04 3,2V 0,55Ah	•
	PR08F30ABRT	PR 1308	1,8	3 h	M	110	160	Li-FeP04 3,2V 1,5Ah	•
	PR11F10ABRT	PR 1309	2	1 h	M	175	160	Li-FeP04 3,2V 1,5Ah	•
	PR11F30ABRT	PR 1310	2	3 h	M	175	160	Li-FeP04 3,2V 3Ah	•
	PR24F10ABRT	PR 1311	3,6	1 h	M	280	225	Li-FeP04 3,2V 1,5Ah	•
	PR24F30ABRT	PR 1312	3,6	3 h	M	250	225	Li-FeP04 3,2V 3Ah	•
ENERGY TEST HIGH FLUX	PR08F13EBRT-H	PR 1313	0,2	1,5 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•
	PR08F30EBRT-H	PR 1314	0,2	3 h	N/M	280		Li-FeP04 3,2V 3Ah	•
	PR11F13EBRT-H	PR 1315	0,2	1,5 h	N/M	375		Li-FeP04 3,2V 3Ah	•
	PR11F30EBRT-H	PR 1316	0,2	3 h	N/M	375		Li-FeP04 3,2V 4,5Ah	•
	PR24F10EBRT-H	PR 1317	0,2	1 h	N/M	470		Li-FeP04 3,2V 3Ah	•
SPY SYSTEM	PR24F20EBRT-H	PR 1318	0,2	2 h	N/M	450		Li-FeP04 3,2V 4,5Ah	•
	PR08F10EBRC	PR 1501	0,3	1 h	N/M	110		Li-FeP04 3,2V 0,55Ah	•
	PR08F30EBRC	PR 1502	0,3	3 h	N/M	110		Li-FeP04 3,2V 1,5Ah	•
	PR11F10EBRC	PR 1503	0,3	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah	•
	PR11F30EBRC	PR 1504	0,3	3 h	N/M	175		Li-FeP04 3,2V 3Ah	•
	PR24F10EBRC	PR 1505	0,3	1 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•
	PR24F30EBRC	PR 1506	0,3	3 h	N/M	250		Li-FeP04 3,2V 3Ah	•
	PR08F10ABRC	PR 1507	1,9	1 h	M	110	160	Li-FeP04 3,2V 0,55Ah	•
	PR08F30ABRC	PR 1508	1,9	3 h	M	110	160	Li-FeP04 3,2V 1,5Ah	•
	PR11F10ABRC	PR 1509	2,1	1 h	M	175	160	Li-FeP04 3,2V 1,5Ah	•
	PR11F30ABRC	PR 1510	2,1	3 h	M	175	160	Li-FeP04 3,2V 3Ah	•
	PR24F10ABRC	PR 1511	3,7	1 h	M	280	225	Li-FeP04 3,2V 1,5Ah	•
	PR24F30ABRC	PR 1512	3,7	3 h	M	250	225	Li-FeP04 3,2V 3Ah	•
SPY SYSTEM HIGH FLUX	PR08F13EBRC-H	PR 1513	0,3	1,5 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•
	PR08F30EBRC-H	PR 1514	0,3	3 h	N/M	280		Li-FeP04 3,2V 3Ah	•
	PR11F13EBRC-H	PR 1515	0,3	1,5 h	N/M	375		Li-FeP04 3,2V 3Ah	•
	PR11F30EBRC-H	PR 1516	0,3	3 h	N/M	375		Li-FeP04 3,2V 4,5Ah	•
	PR24F10EBRC-H	PR 1517	0,3	1 h	N/M	470		Li-FeP04 3,2V 3Ah	•
	PR24F20EBRC-H	PR 1518	0,3	2 h	N/M	450		Li-FeP04 3,2V 4,5Ah	•
SPY SYSTEM WIRELESS	PR08F10EBRW	PR 2401	0,4	1 h	N/M	110		Li-FeP04 3,2V 0,55Ah	•
	PR08F30EBRW	PR 2402	0,4	3 h	N/M	110		Li-FeP04 3,2V 1,5Ah	•
	PR11F10EBRW	PR 2403	0,4	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah	•
	PR11F30EBRW	PR 2404	0,4	3 h	N/M	175		Li-FeP04 3,2V 3Ah	•
	PR24F10EBRW	PR 2405	0,4	1 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•
	PR24F30EBRW	PR 2406	0,4	3 h	N/M	250		Li-FeP04 3,2V 3Ah	•
	PR08F10ABRW	PR 2407	2	1 h	M	110	160	Li-FeP04 3,2V 0,55Ah	•
	PR08F30ABRW	PR 2408	2	3 h	M	110	160	Li-FeP04 3,2V 1,5Ah	•
	PR11F10ABRW	PR 2409	2,2	1 h	M	175	160	Li-FeP04 3,2V 1,5Ah	•
	PR11F30ABRW	PR 2410	2,2	3 h	M	175	160	Li-FeP04 3,2V 3Ah	•
	PR24F10ABRW	PR 2411	3,8	1 h	M	280	225	Li-FeP04 3,2V 1,5Ah	•
	PR24F30ABRW	PR 2412	3,8	3 h	M	250	225	Li-FeP04 3,2V 3Ah	•
SPY SYSTEM WIRELESS HIGH FLUX	PR08F13EBRW-H	PR 2413	0,4	1,5 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•
	PR08F30EBRW-H	PR 2414	0,4	3 h	N/M	280		Li-FeP04 3,2V 3Ah	•
	PR11F13EBRW-H	PR 2415	0,4	1,5 h	N/M	375		Li-FeP04 3,2V 3Ah	•
	PR11F30EBRW-H	PR 2416	0,4	3 h	N/M	375		Li-FeP04 3,2V 4,5Ah	•
	PR24F10EBRW-H	PR 2417	0,4	1 h	N/M	470		Li-FeP04 3,2V 3Ah	•
	PR24F20EBRW-H	PR 2418	0,4	2 h	N/M	450		Li-FeP04 3,2V 4,5Ah	•





IP42	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY	05
DALI	PR08F10EBRD	PR 1601	0,2	1 h	N/M	110		Li-FePO4 3,2V 0,55Ah	
	PR08F30EBRD	PR 1602	0,2	3 h	N/M	110		Li-FePO4 3,2V 1,5Ah	
	PR11F10EBRD	PR 1603	0,2	1 h	N/M	175		Li-FePO4 3,2V 1,5Ah	
	PR11F30EBRD	PR 1604	0,2	3 h	N/M	175		Li-FePO4 3,2V 3Ah	
	PR24F10EBRD	PR 1605	0,2	1 h	N/M	280		Li-FePO4 3,2V 1,5Ah	
	PR24F30EBRD	PR 1606	0,2	3 h	N/M	250		Li-FePO4 3,2V 3Ah	
	PR08F10ABRD	PR 1607	1,8	1 h	M	110	160	Li-FePO4 3,2V 0,55Ah	
	PR08F30ABRD	PR 1608	1,8	3 h	M	110	160	Li-FePO4 3,2V 1,5Ah	
	PR11F10ABRD	PR 1609	2	1 h	M	175	160	Li-FePO4 3,2V 1,5Ah	
	PR11F30ABRD	PR 1610	2	3 h	M	175	160	Li-FePO4 3,2V 3Ah	
	PR24F10ABRD	PR 1611	3,6	1 h	M	280	225	Li-FePO4 3,2V 1,5Ah	
	PR24F30ABRD	PR 1612	3,6	3 h	M	250	225	Li-FePO4 3,2V 3Ah	
	PR08000IBS-D	PR 1613	1,8		L		160		
	PR11000IBS-D	PR 1614	2		L		160		
	PR24000IBS-D	PR 1615	3,6		L		225		
DALI HIGH FLUX	PR08F13EBRD-H	PR 1616	0,2	1,5 h	N/M	280		Li-FePO4 3,2V 1,5Ah	
	PR08F30EBRD-H	PR 1617	0,2	3 h	N/M	280		Li-FePO4 3,2V 3Ah	
	PR11F13EBRD-H	PR 1618	0,2	1,5 h	N/M	375		Li-FePO4 3,2V 3Ah	
	PR11F30EBRD-H	PR 1619	0,2	3 h	N/M	375		Li-FePO4 3,2V 4,5Ah	
	PR24F10EBRD-H	PR 1620	0,2	1 h	N/M	470		Li-FePO4 3,2V 3Ah	
	PR24F20EBRD-H	PR 1621	0,2	2 h	N/M	450		Li-FePO4 3,2V 4,5Ah	
CENTRAL BATTERY	PR08000IBS	PR 1901	1,4		L		160		•
	PR11000IBS	PR 1902	2		L		215		•
	PR24000IBS	PR 1903	4,1		L		350		•
CENTRAL BATTERY HIGH FLUX	PR08000IBS-H	PR 1904	4,2		L		350		•
	PR11000IBS-H	PR 1905	5		L		415		•
	PR24000IBS-H	PR 1906	6		L		480		•
SPY CENTER	PR08000IBS-SC	PR 2001	1,4		L		160		•
	PR11000IBS-SC	PR 2002	2		L		215		•
	PR24000IBS-SC	PR 2003	4,1		L		350		•
SPY CENTER HIGH FLUX	PR08000IBS-SC-H	PR 2004	4,2		L		350		•
	PR11000IBS-SC-H	PR 2005	5		L		415		•
	PR24000IBS-SC-H	PR 2006	6		L		480		•
SPY CENTER 24	PR08000IBS-SC24	PR 2101	1,2		L		120		
	PR11000IBS-SC24	PR 2102	2,3		L		210		
	PR24000IBS-SC24	PR 2103	3,1		L		300		
SPY CENTER 24 HIGH FLUX	PR080IBS-SC24-H	PR 2104	3,1		L		300		
	PR110IBS-SC24-H	PR 2105	4,6		L		430		
	PR240IBS-SC24-H	PR 2106	5,4		L		480		

IP65	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY	05	R11A
INHIBIT	PS08F13EBI	PS 1101	0,3	1,5 h	N/M	110		Li-FePO4 3,2V 0,55Ah	•	
	PS11F13EBI	PS 1102	0,3	1,5 h	N/M	175		Li-FePO4 3,2V 1,5Ah	•	
	PS24F13EBI	PS 1103	0,3	1,5 h	N/M	280		Li-FePO4 3,2V 1,5Ah	•	
REST MODE	PS08F30EBR	PS 1201	0,3	3 h	N/M	110		Li-FePO4 3,2V 1,5Ah	•	
	PS11F30EBR	PS 1202	0,3	3 h	N/M	175		Li-FePO4 3,2V 3Ah	•	
	PS24F30EBR	PS 1203	0,3	3 h	N/M	280		Li-FePO4 3,2V 3Ah	•	
	PS08F10ABR	PS 1204	2	1 h	M	110	160	Li-FePO4 3,2V 0,55Ah	•	
	PS08F30ABR	PS 1205	2	3 h	M	110	160	Li-FePO4 3,2V 1,5Ah	•	
	PS11F10ABR	PS 1206	2,2	1 h	M	175	160	Li-FePO4 3,2V 1,5Ah	•	
	PS11F30ABR	PS 1207	2,2	3 h	M	175	160	Li-FePO4 3,2V 3Ah	•	
	PS24F10ABR	PS 1208	2,7	1 h	M	280	225	Li-FePO4 3,2V 1,5Ah	•	
	PS24F30ABR	PS 1209	2,7	3 h	M	280	225	Li-FePO4 3,2V 3Ah	•	
	PS08F13EBR-H	PS 1210	0,3	1,5 h	N/M	280		Li-FePO4 3,2V 1,5Ah	•	
REST MODE HIGH FLUX	PS08F30EBR-H	PS 1211	0,3	3 h	N/M	280		Li-FePO4 3,2V 3Ah	•	
	PS11F13EBR-H	PS 1212	0,3	1,5 h	N/M	375		Li-FePO4 3,2V 3Ah	•	
	PS11F30EBR-H	PS 1213	0,3	3 h	N/M	375		Li-FePO4 3,2V 4,5Ah	•	
	PS24F10EBR-H	PS 1214	0,3	1 h	N/M	470		Li-FePO4 3,2V 3Ah	•	
	PS24F20EBR-H	PS 1215	0,3	2 h	N/M	470		Li-FePO4 3,2V 4,5Ah	•	



IP65	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY		
ENERGY TEST	PS08F10EBRT	PS 1301	0,2	1 h	N/M	110		Li-FeP04 3,2V 0,55Ah	•	
	PS08F30EBRT	PS 1302	0,2	3 h	N/M	110		Li-FeP04 3,2V 1,5Ah	•	
	PS11F10EBRT	PS 1303	0,2	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah	•	
	PS11F30EBRT	PS 1304	0,2	3 h	N/M	175		Li-FeP04 3,2V 3Ah	•	
	PS24F10EBRT	PS 1305	0,2	1 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•	
	PS24F30EBRT	PS 1306	0,2	3 h	N/M	250		Li-FeP04 3,2V 3Ah	•	
	PS08F10ABRT	PS 1307	1,8	1 h	M	110	160	Li-FeP04 3,2V 0,55Ah	•	
	PS08F30ABRT	PS 1308	1,8	3 h	M	110	160	Li-FeP04 3,2V 1,5Ah	•	
	PS11F10ABRT	PS 1309	2	1 h	M	175	160	Li-FeP04 3,2V 1,5Ah	•	
	PS11F30ABRT	PS 1310	2	3 h	M	175	160	Li-FeP04 3,2V 3Ah	•	
	PS24F10ABRT	PS 1311	3,6	1 h	M	280	225	Li-FeP04 3,2V 1,5Ah	•	
	PS24F30ABRT	PS 1312	3,6	3 h	M	250	225	Li-FeP04 3,2V 3Ah	•	
	RPS11F30ABRT	PS 1319	2	3 h	M	175	160	Li-FeP04 3,2V 3Ah	•	•
	RPS24F30ABRT	PS 1320	3,6	3 h	M	250	225	Li-FeP04 3,2V 3Ah	•	•
ENERGY TEST HIGH FLUX	PS08F13EBRT-H	PS 1313	0,2	1,5 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•	
	PS08F30EBRT-H	PS 1314	0,2	3 h	N/M	280		Li-FeP04 3,2V 3Ah	•	
	PS11F13EBRT-H	PS 1315	0,2	1,5 h	N/M	375		Li-FeP04 3,2V 3Ah	•	
	PS11F30EBRT-H	PS 1316	0,2	3 h	N/M	375		Li-FeP04 3,2V 4,5Ah	•	
	PS24F10EBRT-H	PS 1317	0,2	1 h	N/M	470		Li-FeP04 3,2V 3Ah	•	
	PS24F20EBRT-H	PS 1318	0,2	2 h	N/M	450		Li-FeP04 3,2V 4,5Ah	•	
ENERGY TEST TOUCH	PS08F10EBRB	PS 1401	0,2	1 h	N/M	110		Li-FeP04 3,2V 0,55Ah		
	PS08F30EBRB	PS 1402	0,2	3 h	N/M	110		Li-FeP04 3,2V 1,5Ah		
	PS11F10EBRB	PS 1403	0,2	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah		
	PS11F30EBRB	PS 1404	0,2	3 h	N/M	175		Li-FeP04 3,2V 3Ah		
	PS24F10EBRB	PS 1405	0,2	1 h	N/M	280		Li-FeP04 3,2V 1,5Ah		
	PS24F30EBRB	PS 1406	0,2	3 h	N/M	250		Li-FeP04 3,2V 3Ah		
	PS08F10ABRB	PS 1407	1,8	1 h	M	110	160	Li-FeP04 3,2V 0,55Ah		
	PS08F30ABRB	PS 1408	1,8	3 h	M	110	160	Li-FeP04 3,2V 1,5Ah		
	PS11F10ABRB	PS 1409	2	1 h	M	175	160	Li-FeP04 3,2V 1,5Ah		
	PS11F30ABRB	PS 1410	2	3 h	M	175	160	Li-FeP04 3,2V 3Ah		
	PS24F10ABRB	PS 1411	3,6	1 h	M	280	225	Li-FeP04 3,2V 1,5Ah		
	PS24F30ABRB	PS 1412	3,6	3 h	M	250	225	Li-FeP04 3,2V 3Ah		
ENERGY TEST TOUCH HIGH FLUX	PS08F13EBRB-H	PS 1413	0,2	1,5 h	N/M	280		Li-FeP04 3,2V 1,5Ah		
	PS08F30EBRB-H	PS 1414	0,2	3 h	N/M	280		Li-FeP04 3,2V 3Ah		
	PS11F13EBRB-H	PS 1415	0,2	1,5 h	N/M	375		Li-FeP04 3,2V 3Ah		
	PS11F30EBRB-H	PS 1416	0,2	3 h	N/M	375		Li-FeP04 3,2V 4,5Ah		
	PS24F10EBRB-H	PS 1417	0,2	1 h	N/M	470		Li-FeP04 3,2V 3Ah		
	PS24F20EBRB-H	PS 1418	0,2	2 h	N/M	450		Li-FeP04 3,2V 4,5Ah		
SPY SYSTEM	PS08F10EBRC	PS 1501	0,3	1 h	N/M	110		Li-FeP04 3,2V 0,55Ah	•	
	PS08F30EBRC	PS 1502	0,3	3 h	N/M	110		Li-FeP04 3,2V 1,5Ah	•	
	PS11F10EBRC	PS 1503	0,3	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah	•	
	PS11F30EBRC	PS 1504	0,3	3 h	N/M	175		Li-FeP04 3,2V 3Ah	•	
	PS24F10EBRC	PS 1505	0,3	1 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•	
	PS24F30EBRC	PS 1506	0,3	3 h	N/M	250		Li-FeP04 3,2V 3Ah	•	
	PS08F10ABRC	PS 1507	1,9	1 h	M	110	160	Li-FeP04 3,2V 0,55Ah	•	
	PS08F30ABRC	PS 1508	1,9	3 h	M	110	160	Li-FeP04 3,2V 1,5Ah	•	
	PS11F10ABRC	PS 1509	2,1	1 h	M	175	160	Li-FeP04 3,2V 1,5Ah	•	
	PS11F30ABRC	PS 1510	2,1	3 h	M	175	160	Li-FeP04 3,2V 3Ah	•	
	PS24F10ABRC	PS 1511	3,7	1 h	M	280	225	Li-FeP04 3,2V 1,5Ah	•	
	PS24F30ABRC	PS 1512	3,7	3 h	M	250	225	Li-FeP04 3,2V 3Ah	•	
SPY SYSTEM HIGH FLUX	PS08F13EBRC-H	PS 1513	0,3	1,5 h	N/M	280		Li-FeP04 3,2V 1,5Ah	•	
	PS08F30EBRC-H	PS 1514	0,3	3 h	N/M	280		Li-FeP04 3,2V 3Ah	•	
	PS11F13EBRC-H	PS 1515	0,3	1,5 h	N/M	375		Li-FeP04 3,2V 3Ah	•	
	PS11F30EBRC-H	PS 1516	0,3	3 h	N/M	375		Li-FeP04 3,2V 4,5Ah	•	
	PS24F10EBRC-H	PS 1517	0,3	1 h	N/M	470		Li-FeP04 3,2V 3Ah	•	
	PS24F20EBRC-H	PS 1518	0,3	2 h	N/M	450		Li-FeP04 3,2V 4,5Ah	•	
SPY SYSTEM WIRELESS	PS08F10EBRW	PS 2401	0,4	1 h	N/M	110		Li-FeP04 3,2V 0,55Ah		
	PS08F30EBRW	PS 2402	0,4	3 h	N/M	110		Li-FeP04 3,2V 1,5Ah		
	PS11F10EBRW	PS 2403	0,4	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah		
	PS11F30EBRW	PS 2404	0,4	3 h	N/M	175		Li-FeP04 3,2V 3Ah		
	PS24F10EBRW	PS 2405	0,4	1 h	N/M	280		Li-FeP04 3,2V 1,5Ah		
	PS24F30EBRW	PS 2406	0,4	3 h	N/M	250		Li-FeP04 3,2V 3Ah		
	PS08F10ABRW	PS 2407	2	1 h	M	110	160	Li-FeP04 3,2V 0,55Ah		
	PS08F30ABRW	PS 2408	2	3 h	M	110	160	Li-FeP04 3,2V 1,5Ah		
	PS11F10ABRW	PS 2409	2,2	1 h	M	175	160	Li-FeP04 3,2V 1,5Ah		
	PS11F30ABRW	PS 2410	2,2	3 h	M	175	160	Li-FeP04 3,2V 3Ah		
	PS24F10ABRW	PS 2411	3,8	1 h	M	280	225	Li-FeP04 3,2V 1,5Ah		
	PS24F30ABRW	PS 2412	3,8	3 h	M	250	225	Li-FeP04 3,2V 3Ah		
SPY SYSTEM WIRELESS HIGH FLUX	PS08F13EBRW-H	PS 2413	0,4	1,5 h	N/M	280		Li-FeP04 3,2V 1,5Ah		
	PS08F30EBRW-H	PS 2414	0,4	3 h	N/M	280		Li-FeP04 3,2V 3Ah		
	PS11F13EBRW-H	PS 2415	0,4	1,5 h	N/M	375		Li-FeP04 3,2V 3Ah		
	PS11F30EBRW-H	PS 2416	0,4	3 h	N/M	375		Li-FeP04 3,2V 4,5Ah		
	PS24F10EBRW-H	PS 2417	0,4	1 h	N/M	470		Li-FeP04 3,2V 3Ah		
	PS24F20EBRW-H	PS 2418	0,4	2 h	N/M	450		Li-FeP04 3,2V 4,5Ah		



IP65	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY		
DALI	PS08F10EBRD	PS 1601	0,2	1 h	N/M	110		Li-FeP04 3,2V 0,55Ah		
	PS08F30EBRD	PS 1602	0,2	3 h	N/M	110		Li-FeP04 3,2V 1,5Ah		
	PS11F10EBRD	PS 1603	0,2	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah		
	PS11F30EBRD	PS 1604	0,2	3 h	N/M	175		Li-FeP04 3,2V 3Ah		
	PS24F10EBRD	PS 1605	0,2	1 h	N/M	280		Li-FeP04 3,2V 1,5Ah		
	PS24F30EBRD	PS 1606	0,2	3 h	N/M	250		Li-FeP04 3,2V 3Ah		
	PS08F10ABRD	PS 1607	1,8	1 h	M	110	160	Li-FeP04 3,2V 0,55Ah		
	PS08F30ABRD	PS 1608	1,8	3 h	M	110	160	Li-FeP04 3,2V 1,5Ah		
	PS11F10ABRD	PS 1609	2	1 h	M	175	160	Li-FeP04 3,2V 1,5Ah		
	PS11F30ABRD	PS 1610	2	3 h	M	175	160	Li-FeP04 3,2V 3Ah		
	PS24F10ABRD	PS 1611	3,6	1 h	M	280	225	Li-FeP04 3,2V 1,5Ah		
	PS24F30ABRD	PS 1612	3,6	3 h	M	250	225	Li-FeP04 3,2V 3Ah		
	PS08000IBS-D	PS 1613	1,8		L		160			
	PS11000IBS-D	PS 1614	2		L		160			
	PS24000IBS-D	PS 1615	3,6		L		225			
DALI HIGH FLUX	PS08F13EBRD-H	PS 1616	0,2	1,5 h	N/M	280		Li-FeP04 3,2V 1,5Ah		
	PS08F30EBRD-H	PS 1617	0,2	3 h	N/M	280		Li-FeP04 3,2V 3Ah		
	PS11F13EBRD-H	PS 1618	0,2	1,5 h	N/M	375		Li-FeP04 3,2V 3Ah		
	PS11F30EBRD-H	PS 1619	0,2	3 h	N/M	375		Li-FeP04 3,2V 4,5Ah		
	PS24F10EBRD-H	PS 1620	0,2	1 h	N/M	470		Li-FeP04 3,2V 3Ah		
	PS24F20EBRD-H	PS 1621	0,2	2 h	N/M	450		Li-FeP04 3,2V 4,5Ah		
CENTRAL BATTERY	PS08000IBS	PS 1901	1,4		L		160		•	
	PS11000IBS	PS 1902	2		L		215		•	
	PS24000IBS	PS 1903	4,1		L		350		•	
CENTRAL BATTERY HIGH FLUX	PS08000IBS-H	PS 1904	4,1		L		350		•	
	PS11000IBS-H	PS 1905	5		L		415		•	
	PS24000IBS-H	PS 1906	6		L		480		•	
SPY CENTER	PS08000IBS-SC	PS 2001	1,4		L		160		•	
	PS11000IBS-SC	PS 2002	2		L		215		•	
	PS24000IBS-SC	PS 2003	4,1		L		350		•	
SPY CENTER HIGH FLUX	PS08000IBS-SC-H	PS 2004	4,1		L		350		•	
	PS11000IBS-SC-H	PS 2005	5		L		415		•	
	PS24000IBS-SC-H	PS 2006	6		L		480		•	
SPY CENTER 24	PS08000IBS-SC24	PS 2101	1,2		L		120			
	PS11000IBS-SC24	PS 2102	2,3		L		210			
	PS24000IBS-SC24	PS 2103	3,1		L		300			
SPY CENTER 24 HIGH FLUX	PS080IBS-SC24-H	PS 2104	3,1		L		300			
	PS110IBS-SC24-H	PS 2105	4,6		L		430			
	PS240IBS-SC24-H	PS 2106	5,4		L		480			

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it)  
The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51



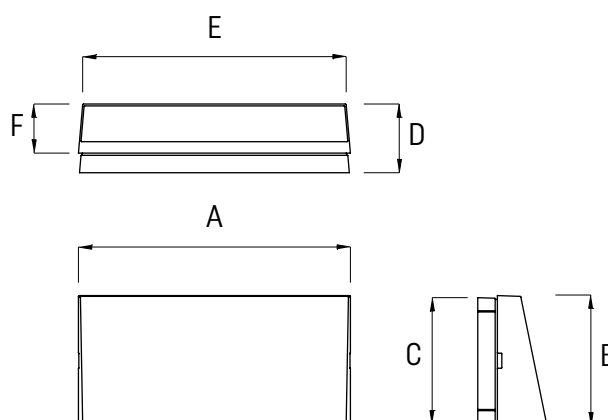
# Prodigy Wall



Designed exclusively  
for wall mount

Discrete and efficient  
light effect

Ideal for indoor  
installation



## TECHNICAL FEATURES

- New generation battery with low environmental impact
- Recharge: 12h
- Can also be installed onto surfaces that are normally flammable
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471

A=245mm B=118mm C=114mm D=62mm E=238mm F=44mm

[support@linergy.it](mailto:support@linergy.it) | technical support (+39) 334 1133875

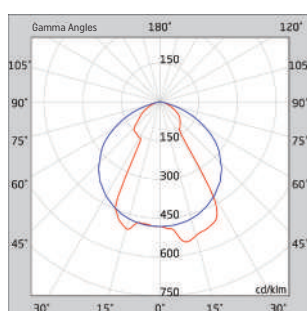
## AVAILABLE FINISHING



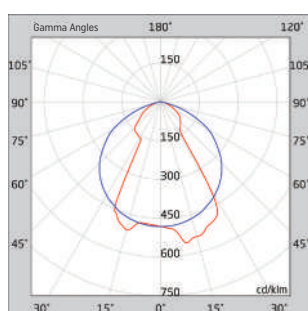
Prodigy Wall's standard color is white but it is possible to have it painted in any color. Just add in the order form the code PRODIGYCOLORW and specify the RAL color and the desired shiny/opaque finish.



## PHOTOMETRIC DIAGRAMS



10 LEDs



20 LEDs



## ACCESSORIES



**INC M PR** - Wall box for recessed installation  
Dimensions (mm): internal 224.1 x 90.1  
max external 230.3 x 102.3



**PR KT CGE** - Plasterboard and false ceiling fastening kit. Kit for fixing the ceiling light on the plasterboard walls and false ceiling



**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions



**GRIG03** - Protective grating  
Made in galvanized metal for complete protection of the luminaire body against accidental blows or acts of vandalism



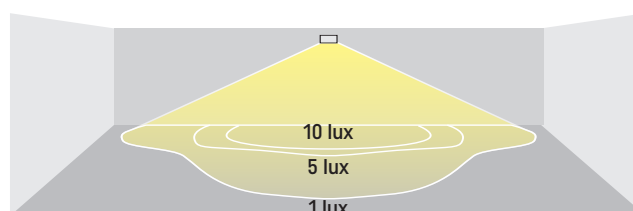
**PWKTSEG** - Signalling kit. With this kit, the PRODIGY WALL can be used as a signalling luminaire in compliance with EN1838. Standard kit of pictograms supplied as standard. Visual range with pictograms = 15m.



**KIT MSINIB** - Kit composed of cable and connector to make an external inhibition line. To be ordered separately

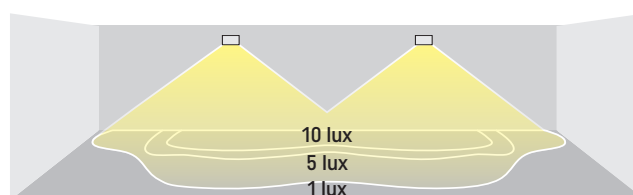
## LIGHTING PERFORMANCE

**Individual installation**  
(emergency exits, stairs, first aid areas, fire-fighting equipment, etc.)



	MAXIMUM DISTANCE COVERED
1 lux	11,2 m
5 lux	7 m
10 lux	5,3 m

**Multiple installation**  
(escape routes)



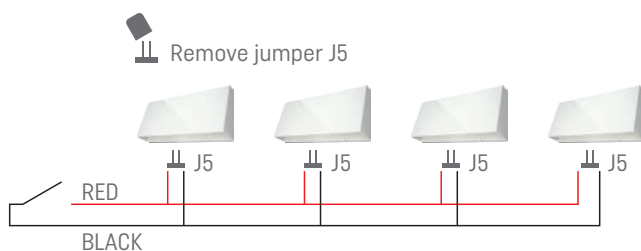
	MAXIMUM SPACING BETWEEN FITTINGS	MAXIMUM DISTANCE COVERED
1 lux	13 m	24,3 m
5 lux	8,6 m	15,6 m
10 lux	6,7 m	12,1 m

Mounting height 2.5 m. Values calculated on floors without reflections with the PW24F10EBRT-H device.

ORDER CODE	SHORT CODE	DESCRIPTION
GRIG03	A 014	PROTECTIVE GRATING
INCMPR	A 023	WALL BOX RECESSED INSTALLATION PRODIGY
KITMSINIB	A 028	INHIBITION KIT
PRKTCGE	A 038	PLASTERBOARD AND DROPPED-CEILING FASTENING KIT PRODIGY
PRODIGYCOLORW	A 286	PRODIGY WALL OPTION COLOR
PWKTSEG	A 321	KIT DI SEGNALE PER PRODIGY WALL
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

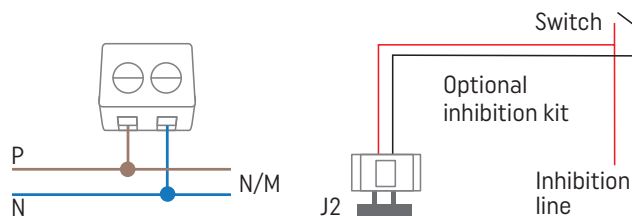


## PERMANENT LINE INTERRUPTION



## INHIBITION ELECTRICAL CONNECTION

(CODES -EBI)



	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
INHIBIT	PW08F13EBI	PW 1101	0,3	1,5 h	N/M	70		Li-FeP04 3,2V 0,55Ah
	PW11F13EBI	PW 1102	0,3	1,5 h	N/M	130		Li-FeP04 3,2V 1,5Ah
	PW24F13EBI	PW 1103	0,3	1,5 h	N/M	200		Li-FeP04 3,2V 1,5Ah
REST MODE	PW08F30EBR	PW 1201	0,3	3 h	N/M	95		Li-FeP04 3,2V 1,5Ah
	PW11F30EBR	PW 1202	0,3	3 h	N/M	195		Li-FeP04 3,2V 3Ah
	PW24F30EBR	PW 1203	0,3	3 h	N/M	260		Li-FeP04 3,2V 3Ah
	PW08F10ABR	PW 1204	2	1 h	M	95	140	Li-FeP04 3,2V 0,55Ah
	PW08F30ABR	PW 1205	2	3 h	M	95	140	Li-FeP04 3,2V 1,5Ah
	PW11F10ABR	PW 1206	2,2	1 h	M	195	165	Li-FeP04 3,2V 1,5Ah
	PW11F30ABR	PW 1207	2,2	3 h	M	195	165	Li-FeP04 3,2V 3Ah
	PW24F10ABR	PW 1208	2,7	1 h	M	260	165	Li-FeP04 3,2V 1,5Ah
	PW24F30ABR	PW 1209	2,7	3 h	M	260	165	Li-FeP04 3,2V 3Ah
REST MODE HIGH FLUX	PW08F13EBR-H	PW 1210	0,3	1,5 h	N/M	260		Li-FeP04 3,2V 1,5Ah
	PW08F30EBR-H	PW 1211	0,3	3 h	N/M	260		Li-FeP04 3,2V 3Ah
	PW11F13EBR-H	PW 1212	0,3	1,5 h	N/M	430		Li-FeP04 3,2V 3Ah
	PW11F30EBR-H	PW 1213	0,3	3 h	N/M	430		Li-FeP04 3,2V 4,5Ah
	PW24F10EBR-H	PW 1214	0,3	1 h	N/M	515		Li-FeP04 3,2V 3Ah
	PW24F20EBR-H	PW 1215	0,3	2 h	N/M	515		Li-FeP04 3,2V 4,5Ah
ENERGY TEST	PW08F10EBRT	PW 1301	0,2	1 h	N/M	85		Li-FeP04 3,2V 0,55Ah
	PW08F30EBRT	PW 1302	0,2	3 h	N/M	85		Li-FeP04 3,2V 1,5Ah
	PW11F10EBRT	PW 1303	0,2	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah
	PW11F30EBRT	PW 1304	0,2	3 h	N/M	175		Li-FeP04 3,2V 3Ah
	PW24F10EBRT	PW 1305	0,2	1 h	N/M	305		Li-FeP04 3,2V 1,5Ah
	PW24F30EBRT	PW 1306	0,2	3 h	N/M	225		Li-FeP04 3,2V 3Ah
	PW08F10ABRT	PW 1307	1,8	1 h	M	85	185	Li-FeP04 3,2V 0,55Ah
	PW08F30ABRT	PW 1308	1,8	3 h	M	85	185	Li-FeP04 3,2V 1,5Ah
	PW11F10ABRT	PW 1309	2	1 h	M	175	185	Li-FeP04 3,2V 1,5Ah
	PW11F30ABRT	PW 1310	2	3 h	M	175	185	Li-FeP04 3,2V 3Ah
	PW24F10ABRT	PW 1311	3,6	1 h	M	305	230	Li-FeP04 3,2V 1,5Ah
	PW24F30ABRT	PW 1312	3,6	3 h	M	225	230	Li-FeP04 3,2V 3Ah
ENERGY TEST HIGH FLUX	PW08F13EBRT-H	PW 1313	0,2	1,5 h	N/M	225		Li-FeP04 3,2V 1,5Ah
	PW08F30EBRT-H	PW 1314	0,2	3 h	N/M	225		Li-FeP04 3,2V 3Ah
	PW11F13EBRT-H	PW 1315	0,2	1,5 h	N/M	415		Li-FeP04 3,2V 3Ah
	PW11F30EBRT-H	PW 1316	0,2	3 h	N/M	340		Li-FeP04 3,2V 4,5Ah
	PW24F10EBRT-H	PW 1317	0,2	1 h	N/M	515		Li-FeP04 3,2V 3Ah
	PW24F20EBRT-H	PW 1318	0,2	2 h	N/M	515		Li-FeP04 3,2V 4,5Ah
SPY SYSTEM	PW08F10EBRC	PW 1501	0,3	1 h	N/M	85		Li-FeP04 3,2V 0,55Ah
	PW08F30EBRC	PW 1502	0,3	3 h	N/M	85		Li-FeP04 3,2V 1,5Ah
	PW11F10EBRC	PW 1503	0,3	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah
	PW11F30EBRC	PW 1504	0,3	3 h	N/M	175		Li-FeP04 3,2V 3Ah
	PW24F10EBRC	PW 1505	0,3	1 h	N/M	305		Li-FeP04 3,2V 1,5Ah
	PW24F30EBRC	PW 1506	0,3	3 h	N/M	225		Li-FeP04 3,2V 3Ah
	PW08F10ABRC	PW 1507	1,9	1 h	M	85	185	Li-FeP04 3,2V 0,55Ah
	PW08F30ABRC	PW 1508	1,9	3 h	M	85	185	Li-FeP04 3,2V 1,5Ah
	PW11F10ABRC	PW 1509	2,1	1 h	M	175	185	Li-FeP04 3,2V 1,5Ah
	PW11F30ABRC	PW 1510	2,1	3 h	M	175	185	Li-FeP04 3,2V 3Ah
	PW24F10ABRC	PW 1511	3,7	1 h	M	305	230	Li-FeP04 3,2V 1,5Ah
	PW24F30ABRC	PW 1512	3,7	3 h	M	225	230	Li-FeP04 3,2V 3Ah



	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
SPY SYSTEM HIGH FLUX	PW08F13EBRC-H	PW 1513	0,3	1,5 h	N/M	225		Li-FeP04 3,2V 1,5Ah
	PW08F30EBRC-H	PW 1514	0,3	3 h	N/M	225		Li-FeP04 3,2V 3Ah
	PW11F13EBRC-H	PW 1515	0,3	1,5 h	N/M	415		Li-FeP04 3,2V 3Ah
	PW11F30EBRC-H	PW 1516	0,3	3 h	N/M	340		Li-FeP04 3,2V 4,5Ah
	PW24F10EBRC-H	PW 1517	0,3	1 h	N/M	515		Li-FeP04 3,2V 3Ah
	PW24F20EBRC-H	PW 1518	0,3	2 h	N/M	515		Li-FeP04 3,2V 4,5Ah
SPY SYSTEM WIRELESS	PW08F10EBRW	PW 2401	0,4	1 h	N/M	85		Li-FeP04 3,2V 0,55Ah
	PW08F30EBRW	PW 2402	0,4	3 h	N/M	85		Li-FeP04 3,2V 1,5Ah
	PW11F10EBRW	PW 2403	0,4	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah
	PW11F30EBRW	PW 2404	0,4	3 h	N/M	175		Li-FeP04 3,2V 3Ah
	PW24F10EBRW	PW 2405	0,4	1 h	N/M	305		Li-FeP04 3,2V 1,5Ah
	PW24F30EBRW	PW 2406	0,4	3 h	N/M	225		Li-FeP04 3,2V 3Ah
	PW08F10ABRW	PW 2407	2	1 h	M	85	185	Li-FeP04 3,2V 0,55Ah
	PW08F30ABRW	PW 2408	2	3 h	M	85	185	Li-FeP04 3,2V 1,5Ah
	PW11F10ABRW	PW 2409	2,2	1 h	M	175	185	Li-FeP04 3,2V 1,5Ah
	PW11F30ABRW	PW 2410	2,2	3 h	M	175	185	Li-FeP04 3,2V 3Ah
	PW24F10ABRW	PW 2411	3,8	1 h	M	305	230	Li-FeP04 3,2V 1,5Ah
	PW24F30ABRW	PW 2412	3,8	3 h	M	225	230	Li-FeP04 3,2V 3Ah
	PW08F13EBRW-H	PW 2413	0,4	1,5 h	N/M	225		Li-FeP04 3,2V 1,5Ah
	PW08F30EBRW-H	PW 2414	0,4	3 h	N/M	225		Li-FeP04 3,2V 3Ah
	PW11F13EBRW-H	PW 2415	0,4	1,5 h	N/M	415		Li-FeP04 3,2V 3Ah
SPY SYSTEM WIRELESS HIGH FLUX	PW11F30EBRW-H	PW 2416	0,4	3 h	N/M	340		Li-FeP04 3,2V 4,5Ah
	PW24F10EBRW-H	PW 2417	0,4	1 h	N/M	515		Li-FeP04 3,2V 3Ah
	PW24F20EBRW-H	PW 2418	0,4	2 h	N/M	515		Li-FeP04 3,2V 4,5Ah
	PW08F10EBRD	PW 1601	0,2	1 h	N/M	85		Li-FeP04 3,2V 0,55Ah
	PW08F30EBRD	PW 1602	0,2	3 h	N/M	85		Li-FeP04 3,2V 1,5Ah
	PW11F10EBRD	PW 1603	0,2	1 h	N/M	175		Li-FeP04 3,2V 1,5Ah
DALI	PW11F30EBRD	PW 1604	0,2	3 h	N/M	175		Li-FeP04 3,2V 3Ah
	PW24F10EBRD	PW 1605	0,2	1 h	N/M	305		Li-FeP04 3,2V 1,5Ah
	PW24F30EBRD	PW 1606	0,2	3 h	N/M	225		Li-FeP04 3,2V 3Ah
	PW08F10ABRD	PW 1607	1,8	1 h	M	85	185	Li-FeP04 3,2V 0,55Ah
	PW08F30ABRD	PW 1608	1,8	3 h	M	85	185	Li-FeP04 3,2V 1,5Ah
	PW11F10ABRD	PW 1609	2	1 h	M	175	185	Li-FeP04 3,2V 1,5Ah
	PW11F30ABRD	PW 1610	2	3 h	M	175	185	Li-FeP04 3,2V 3Ah
	PW24F10ABRD	PW 1611	3,6	1 h	M	305	230	Li-FeP04 3,2V 1,5Ah
	PW24F30ABRD	PW 1612	3,6	3 h	M	225	230	Li-FeP04 3,2V 3Ah
	PW08000IBS-D	PW 1613	2		L		140	
	PW11000IBS-D	PW 1614	2,4		L		185	
	PW24000IBS-D	PW 1615	3		L		230	
	PW08F13EBRD-H	PW 1616	0,2	1,5 h	N/M	225		Li-FeP04 3,2V 1,5Ah
	PW08F30EBRD-H	PW 1617	0,2	3 h	N/M	225		Li-FeP04 3,2V 3Ah
	PW11F13EBRD-H	PW 1618	0,2	1,5 h	N/M	415		Li-FeP04 3,2V 3Ah
DALI HIGH FLUX	PW11F30EBRD-H	PW 1619	0,2	3 h	N/M	340		Li-FeP04 3,2V 4,5Ah
	PW24F10EBRD-H	PW 1620	0,2	1 h	N/M	515		Li-FeP04 3,2V 3Ah
	PW24F20EBRD-H	PW 1621	0,2	2 h	N/M	515		Li-FeP04 3,2V 4,5Ah
CENTRAL BATTERY	PW08000IBS	PW 1901	1,4		L		145	
	PW11000IBS	PW 1902	2		L		195	
	PW24000IBS	PW 1903	4,2		L		295	
CENTRAL BATTERY HIGH FLUX	PW08000IBS-H	PW 1904	4,2		L		295	
	PW11000IBS-H	PW 1905	5		L		300	
	PW24000IBS-H	PW 1906	6		L		465	
SPY CENTER	PW08000IBS-SC	PW 2001	1,4		L		145	
	PW11000IBS-SC	PW 2002	2		L		195	
	PW24000IBS-SC	PW 2003	4,2		L		295	
SPY CENTER HIGH FLUX	PW08000IBS-SC-H	PW 2004	4,2		L		295	
	PW11000IBS-SC-H	PW 2005	5		L		300	
	PW24000IBS-SC-H	PW 2006	6		L		465	
SPY CENTER 24	PW08000IBS-SC24	PW 2101	1,2		L		110	
	PW11000IBS-SC24	PW 2102	2,3		L		190	
	PW24000IBS-SC24	PW 2103	3,1		L		235	
SPY CENTER 24 HIGH FLUX	PW080IBS-SC24-H	PW 2104	3,1		L		235	
	PW110IBS-SC24-H	PW 2105	4,6		L		330	
	PW240IBS-SC24-H	PW 2106	5,4		L		380	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it)  
The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51



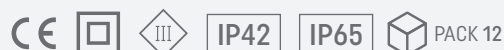
# Prodigy XL



High lighting  
performance

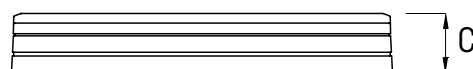
Ideal for indoor and  
outdoor installation

Latest generation LEDs

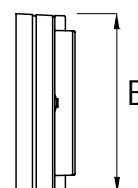
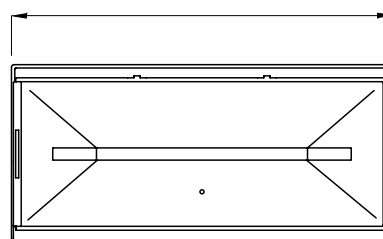


## TECHNICAL FEATURES

- Lens designed to optimize the light flux
- Aesthetic finish frame supplied as standard
- Recharge: 12h
- Can also be installed onto surfaces that are normally flammable
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471



A



A=305mm B=143mm C=47mm

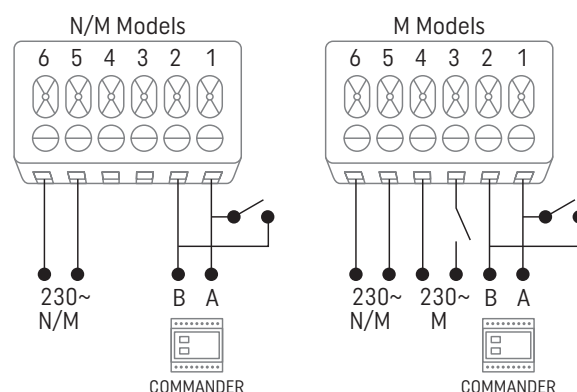
[support@linergy.it](mailto:support@linergy.it) | technical support (+39) 334 1133875

## EASY AND QUICK INSTALLATION

The lamp has a wall mount base with predisposition for 16mm tube on three lateral sides or the bottom side.



## ELECTRIC CONNECTIONS



Maintained mode  
interruptible with  
separate power supply

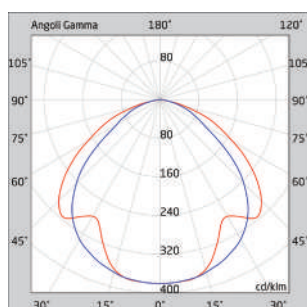
## AVAILABLE FINISHING



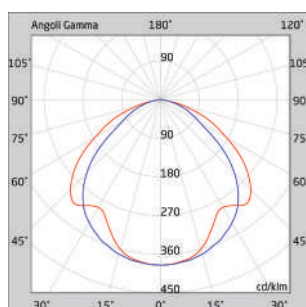
Prodigy XL's standard color is white but it is possible to have it painted in any color. Just add in the order form the code **PRODIGYCOLORXL** and specify the RAL color and the desired shiny/opaque finish.

ORDER CODE	SHORT CODE	DESCRIPTION
PRODIGYCOLORXL	A 287	PRODIGY XL OPTION COLOR

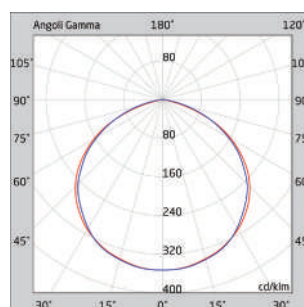
## PHOTOMETRIC DIAGRAMS



20 LEDs



40 LEDs



40 LED -HH codes



## ACCESSORIES



**INC M PX** - Wall box for recessed installation  
Dimensions (mm): internal 115.5 x 289  
max external 130 x 298



**CR KT CGE** - Plasterboard and false ceiling fastening kit. Kit for fixing the ceiling light on the plasterboard walls and false ceiling



**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions



**GRIG04** - Protective grating  
Made in galvanized metal for complete protection of the luminaire body against accidental blows or acts of vandalism



**CR KT BLINDO** - Busway accessory  
Accessory that allows hook up to the busbar



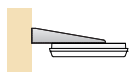
**PX KT SEG** - Signalling kit  
With this kit the PRODIGY XL can be used as a signalling luminaire in compliance with EN 1838. Standard Kit of pictograms supplied as standard. Visual range with pictogram = 30m



**RACCORDO IP65** - IP65 fitting supplied.  
The IP65 fitting is supplied with the product to engage a 16 mm tube to the luminaire body



**RTCA16** - Tube/conduit fitting  
Practical fitting for use of tube measuring 16 mm for the entrance of cables towards the ceiling light.  
Dimensions (mm): inside 17,5x6,5  
max external: 20x10, h 32



**SM KT SUP** - Kit for flag style fastening  
Bracket for fixing the ceiling light in flag style



**KIT 45GRADI** - With this bracket, the luminaire can be installed with an inclination of 45°



**PXIS01 - PXIS02 - PXIS08 - Pictograms**  
See the "Accessories and spare parts" section on page 160. Visual range with pictogram = 22 m



ORDER CODE	SHORT CODE	DESCRIPTION
CRKTBINDO	A 005	BUSBAR KIT
CRKTCGE	A 006	PLASTERBOARD AND DROPPED-CEILING FASTENING KIT
GRIG04	A 015	PROTECTIVE GRATING
RTCA16	A 044	IP65 CONNECTOR D=16MM
SMKTSUP	A 047	KIT FOR FLAG-STYLE FASTENING
KIT45GRADI	A 092	CLASP FOR FIXING AT 45 DEGREES
INCMPIX	A 280	WALL BOX RECESSED INSTALLATION PRODIGY XL - RAL 6019
PRODIGYCOLORXL	A 287	PRODIGY XL OPTION COLOR
PXIS01	A 288	PICTOGRAM FOR PRODIGY XL ARROW LEFT
PXIS02	A 289	PICTOGRAM FOR PRODIGY XL ARROW RIGHT
PXIS08	A 290	PICTOGRAM FOR PRODIGY XL ARROW DOWN
PXKTSEG	A 291	SIGNALING KIT PRODIGY XL
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE



IP42	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
INHIBIT	PX08N10EBI	PX 1101	0,9	1 h	N/M	235		Ni-Cd 6V 0,6Ah
	PX08N30EBI	PX 1102	1,2	3 h	N/M	125		Ni-Cd 6V 0,8Ah
	PX11N10EBI	PX 1103	1,2	1 h	N/M	365		Ni-Cd 6V 0,8Ah
	PX11N30EBI	PX 1104	1,5	3 h	N/M	185		Ni-Cd 6V 1,3Ah
	PX24N10EBI	PX 1105	1,6	1 h	N/M	535		Ni-Cd 6V 1,3Ah
	PX24N30EBI	PX 1106	2,6	3 h	N/M	365		Ni-Cd 6V 2,5Ah
REST MODE	PX08N10EBR	PX 1201	0,9	1 h	N/M	235		Ni-Cd 6V 0,6Ah
	PX08N30EBR	PX 1202	1,2	3 h	N/M	125		Ni-Cd 6V 0,8Ah
	PX11N10EBR	PX 1203	1,2	1 h	N/M	365		Ni-Cd 6V 0,8Ah
	PX11N30EBR	PX 1204	1,5	3 h	N/M	185		Ni-Cd 6V 1,3Ah
	PX24N10EBR	PX 1205	1,9	1 h	N/M	755		Ni-Cd 6V 1,8Ah
	PX24N30EBR	PX 1206	3,3	3 h	N/M	755		Ni-MH 6V 4Ah
	PX08N10ABR	PX 1207	4,2	1 h	M	235	235	Ni-Cd 6V 0,6Ah
	PX08N30ABR	PX 1208	4	3 h	M	185	185	Ni-Cd 6V 1,3Ah
	PX11N10ABR	PX 1209	8,3	1 h	M	535	535	Ni-Cd 6V 1,3Ah
	PX11N30ABR	PX 1210	6,5	3 h	M	365	365	Ni-Cd 6V 2,5Ah
	PX24N10ABR	PX 1211	9,5	1 h	M	755	755	Ni-Cd 6V 1,8Ah
	PX24N30ABR	PX 1212	10,7	3 h	M	755	755	Ni-MH 6V 4Ah
ENERGY TEST	PX08N10EBRT	PX 1301	0,9	1 h	N/M	235		Ni-Cd 6V 0,6Ah
	PX08N30EBRT	PX 1302	1,5	3 h	N/M	185		Ni-Cd 6V 1,3Ah
	PX11N10EBRT	PX 1303	1,6	1 h	N/M	535		Ni-Cd 6V 1,3Ah
	PX11N30EBRT	PX 1304	2,6	3 h	N/M	365		Ni-Cd 6V 2,5Ah
	PX24N10EBRT	PX 1305	1,9	1 h	N/M	755		Ni-Cd 6V 1,8Ah
	PX24N30EBRT	PX 1306	3,3	3 h	N/M	755		Ni-MH 6V 4Ah
	PX08N10ABRT	PX 1307	4,2	1 h	M	235	235	Ni-Cd 6V 0,6Ah
	PX08N30ABRT	PX 1308	4	3 h	M	185	185	Ni-Cd 6V 1,3Ah
	PX11N10ABRT	PX 1309	8,3	1 h	M	535	535	Ni-Cd 6V 1,3Ah
	PX11N30ABRT	PX 1310	6,5	3 h	M	365	365	Ni-Cd 6V 2,5Ah
	PX24N10ABRT	PX 1311	9,5	1 h	M	755	755	Ni-Cd 6V 1,8Ah
	PX24N30ABRT	PX 1312	10,7	3 h	M	755	755	Ni-MH 6V 4Ah
ENERGY TEST HIGH FLUX	PX24N10EBRT-H	PX 1313	1,9	1 h	N/M	820		Ni-Cd 6V 1,8Ah
	PX24N10EBRT-HH	PX 1314	2,6	1 h	N/M	1000		Ni-Cd 6V 2,5Ah
	PX24N13EBRT-HH	PX 1315	3,3	1,5 h	N/M	1000		Ni-MH 6V 4Ah
	PX24N20EBRT-H	PX 1316	2,9	2 h	N/M	820		Ni-MH 6V 3,3Ah
SPY SYSTEM	PX08N10EBRC	PX 1501	0,9	1 h	N/M	235		Ni-Cd 6V 0,6Ah
	PX08N30EBRC	PX 1502	1,5	3 h	N/M	185		Ni-Cd 6V 1,3Ah
	PX11N10EBRC	PX 1503	1,6	1 h	N/M	535		Ni-Cd 6V 1,3Ah
	PX11N30EBRC	PX 1504	2,6	3 h	N/M	365		Ni-Cd 6V 2,5Ah
	PX24N10EBRC	PX 1505	1,9	1 h	N/M	755		Ni-Cd 6V 1,8Ah
	PX24N30EBRC	PX 1506	3,3	3 h	N/M	755		Ni-MH 6V 4Ah
	PX08N10ABRC	PX 1507	4,2	1 h	M	235	235	Ni-Cd 6V 0,6Ah
	PX08N30ABRC	PX 1508	4	3 h	M	185	185	Ni-Cd 6V 1,3Ah
	PX11N10ABRC	PX 1509	8,3	1 h	M	535	535	Ni-Cd 6V 1,3Ah
	PX11N30ABRC	PX 1510	6,5	3 h	M	365	365	Ni-Cd 6V 2,5Ah
	PX24N10ABRC	PX 1511	9,5	1 h	M	755	755	Ni-Cd 6V 1,8Ah
	PX24N30ABRC	PX 1512	10,7	3 h	M	755	755	Ni-MH 6V 4Ah
SPY SYSTEM HIGH FLUX	PX24N10EBRC-H	PX 1513	1,9	1 h	N/M	820		Ni-Cd 6V 1,8Ah
	PX24N10EBRC-HH	PX 1514	2,6	1 h	N/M	1000		Ni-Cd 6V 2,5Ah
	PX24N13EBRC-HH	PX 1515	3,3	1,5 h	N/M	1000		Ni-MH 6V 4Ah
	PX24N20EBRC-H	PX 1516	2,9	2 h	N/M	820		Ni-MH 6V 3,3Ah
DALI	PX08N10EBRD	PX 1601	0,9	1 h	N/M	235		Ni-Cd 6V 0,6Ah
	PX08N30EBRD	PX 1602	1,5	3 h	N/M	185		Ni-Cd 6V 1,3Ah
	PX11N10EBRD	PX 1603	1,6	1 h	N/M	535		Ni-Cd 6V 1,3Ah
	PX11N30EBRD	PX 1604	2,6	3 h	N/M	365		Ni-Cd 6V 2,5Ah
	PX24N10EBRD	PX 1605	1,9	1 h	N/M	755		Ni-Cd 6V 1,8Ah
	PX24N30EBRD	PX 1606	3,3	3 h	N/M	755		Ni-MH 6V 4Ah
	PX08N10ABRD	PX 1607	4,2	1 h	M	235	235	Ni-Cd 6V 0,6Ah
	PX08N30ABRD	PX 1608	4	3 h	M	185	185	Ni-Cd 6V 1,3Ah
	PX11N10ABRD	PX 1609	8,3	1 h	M	535	535	Ni-Cd 6V 1,3Ah
	PX11N30ABRD	PX 1610	6,5	3 h	M	365	365	Ni-Cd 6V 2,5Ah
	PX24N10ABRD	PX 1611	9,5	1 h	M	755	755	Ni-Cd 6V 1,8Ah
	PX24N30ABRD	PX 1612	10,7	3 h	M	755	755	Ni-MH 6V 4Ah
	PX08000IBS-D	PX 1613	4		L		235	
	PX11000IBS-D	PX 1614	7,5		L		530	
	PX24000IBS-D	PX 1615	8,2		L		755	
DALI HIGH FLUX	PX24N10EBRD-H	PX 1616	1,9	1 h	N/M	820		Ni-Cd 6V 1,8Ah
	PX24N10EBRD-HH	PX 1617	2,6	1 h	N/M	1000		Ni-Cd 6V 2,5Ah
	PX24N13EBRD-HH	PX 1618	3,3	1,5 h	N/M	1000		Ni-MH 6V 4Ah
	PX24N20EBRD-H	PX 1619	2,9	2 h	N/M	820		Ni-MH 6V 3,3Ah
	PX24000IBSD-H	PX 1620	11		L		905	
	PX24000IBSD-HH	PX 1621	11		L		1000	





IP42	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
CENTRAL BATTERY	PX08000IBS	PX 1901	3,1		L		235	
	PX11000IBS	PX 1902	6,1		L		530	
	PX24000IBS	PX 1903	6,8		L		755	
CENTRAL BATTERY HIGH FLUX	PX24000IBS-H	PX 1904	8,5		L		905	
	PX24000IBS-HH	PX 1905	8,5		L		1000	
SPY CENTER	PX08000IBS-SC	PX 2001	3,1		L		235	
	PX11000IBS-SC	PX 2002	6,1		L		530	
	PX24000IBS-SC	PX 2003	6,8		L		755	
SPY CENTER HIGH FLUX	PX24000IBS-SC-H	PX 2004	8,5		L		905	
	PX24000IBS-SC-HH	PX 2005	8,5		L		1000	
SPY CENTER 24	PX08000IBS-SC24	PX 2101	3		L		305	
	PX11000IBS-SC24	PX 2102	5,5		L		515	
	PX24000IBS-SC24	PX 2103	6,4		L		720	
SPY CENTER 24 HIGH FLUX	PX240IBS-SC24-H	PX 2104	8,4		L		895	
	PX240IBS-SC24-HH	PX 2105	8,4		L		980	

IP65	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
INHIBIT	PZ08N10EBI	PZ 1101	0,9	1 h	N/M	235		Ni-Cd 6V 0,6Ah
	PZ08N30EBI	PZ 1102	1,2	3 h	N/M	125		Ni-Cd 6V 0,8Ah
	PZ11N10EBI	PZ 1103	1,2	1 h	N/M	365		Ni-Cd 6V 0,8Ah
	PZ11N30EBI	PZ 1104	1,5	3 h	N/M	185		Ni-Cd 6V 1,3Ah
	PZ24N10EBI	PZ 1105	1,6	1 h	N/M	535		Ni-Cd 6V 1,3Ah
	PZ24N30EBI	PZ 1106	2,6	3 h	N/M	365		Ni-Cd 6V 2,5Ah
REST MODE	PZ08N10EBR	PZ 1201	0,9	1 h	N/M	235		Ni-Cd 6V 0,6Ah
	PZ08N30EBR	PZ 1202	1,2	3 h	N/M	125		Ni-Cd 6V 0,8Ah
	PZ11N10EBR	PZ 1203	1,2	1 h	N/M	365		Ni-Cd 6V 0,8Ah
	PZ11N30EBR	PZ 1204	1,5	3 h	N/M	185		Ni-Cd 6V 1,3Ah
	PZ24N10EBR	PZ 1205	1,9	1 h	N/M	755		Ni-Cd 6V 1,8Ah
	PZ24N30EBR	PZ 1206	3,3	3 h	N/M	755		Ni-MH 6V 4Ah
	PZ08N10ABR	PZ 1207	4,2	1 h	M	235	235	Ni-Cd 6V 0,6Ah
	PZ08N30ABR	PZ 1208	4	3 h	M	185	185	Ni-Cd 6V 1,3Ah
	PZ11N10ABR	PZ 1209	8,3	1 h	M	535	535	Ni-Cd 6V 1,3Ah
	PZ11N30ABR	PZ 1210	6,5	3 h	M	365	365	Ni-Cd 6V 2,5Ah
	PZ24N10ABR	PZ 1211	9,5	1 h	M	755	755	Ni-Cd 6V 1,8Ah
	PZ24N30ABR	PZ 1212	10,7	3 h	M	755	755	Ni-MH 6V 4Ah
ENERGY TEST	PZ08N10EBRT	PZ 1301	0,9	1 h	N/M	235		Ni-Cd 6V 0,6Ah
	PZ08N30EBRT	PZ 1302	1,5	3 h	N/M	185		Ni-Cd 6V 1,3Ah
	PZ11N10EBRT	PZ 1303	1,6	1 h	N/M	535		Ni-Cd 6V 1,3Ah
	PZ11N30EBRT	PZ 1304	2,6	3 h	N/M	365		Ni-Cd 6V 2,5Ah
	PZ24N10EBRT	PZ 1305	1,9	1 h	N/M	755		Ni-Cd 6V 1,8Ah
	PZ24N30EBRT	PZ 1306	3,3	3 h	N/M	755		Ni-MH 6V 4Ah
	PZ08N10ABRT	PZ 1307	4,2	1 h	M	235	235	Ni-Cd 6V 0,6Ah
	PZ08N30ABRT	PZ 1308	4	3 h	M	185	185	Ni-Cd 6V 1,3Ah
	PZ11N10ABRT	PZ 1309	8,3	1 h	M	535	535	Ni-Cd 6V 1,3Ah
	PZ11N30ABRT	PZ 1310	6,5	3 h	M	365	365	Ni-Cd 6V 2,5Ah
	PZ24N10ABRT	PZ 1311	9,5	1 h	M	755	755	Ni-Cd 6V 1,8Ah
	PZ24N30ABRT	PZ 1312	10,7	3 h	M	755	755	Ni-MH 6V 4Ah
ENERGY TEST HIGH FLUX	PZ24N10EBRT-H	PZ 1313	1,9	1 h	N/M	820		Ni-Cd 6V 1,8Ah
	PZ24N10EBRT-HH	PZ 1314	2,6	1 h	N/M	1000		Ni-Cd 6V 2,5Ah
	PZ24N13EBRT-HH	PZ 1315	3,3	1,5 h	N/M	1000		Ni-MH 6V 4Ah
	PZ24N20EBRT-H	PZ 1316	2,9	2 h	N/M	820		Ni-MH 6V 3,3Ah
SPY SYSTEM	PZ08N10EBRC	PZ 1501	0,9	1 h	N/M	235		Ni-Cd 6V 0,6Ah
	PZ08N30EBRC	PZ 1502	1,5	3 h	N/M	185		Ni-Cd 6V 1,3Ah
	PZ11N10EBRC	PZ 1503	1,6	1 h	N/M	535		Ni-Cd 6V 1,3Ah
	PZ11N30EBRC	PZ 1504	2,6	3 h	N/M	365		Ni-Cd 6V 2,5Ah
	PZ24N10EBRC	PZ 1505	1,9	1 h	N/M	755		Ni-Cd 6V 1,8Ah
	PZ24N30EBRC	PZ 1506	3,3	3 h	N/M	755		Ni-MH 6V 4Ah
	PZ08N10ABRC	PZ 1507	4,2	1 h	M	235	235	Ni-Cd 6V 0,6Ah
	PZ08N30ABRC	PZ 1508	4	3 h	M	185	185	Ni-Cd 6V 1,3Ah
	PZ11N10ABRC	PZ 1509	8,3	1 h	M	535	535	Ni-Cd 6V 1,3Ah
	PZ11N30ABRC	PZ 1510	6,5	3 h	M	365	365	Ni-Cd 6V 2,5Ah
	PZ24N10ABRC	PZ 1511	9,5	1 h	M	755	755	Ni-Cd 6V 1,8Ah
	PZ24N30ABRC	PZ 1512	10,7	3 h	M	755	755	Ni-MH 6V 4Ah
SPY SYSTEM HIGH FLUX	PZ24N10EBRC-H	PZ 1513	1,9	1 h	N/M	820		Ni-Cd 6V 1,8Ah
	PZ24N10EBRC-HH	PZ 1514	2,6	1 h	N/M	1000		Ni-Cd 6V 2,5Ah
	PZ24N13EBRC-HH	PZ 1515	3,3	1,5 h	N/M	1000		Ni-MH 6V 4Ah
	PZ24N20EBRC-H	PZ 1516	2,9	2 h	N/M	820		Ni-MH 6V 3,3Ah



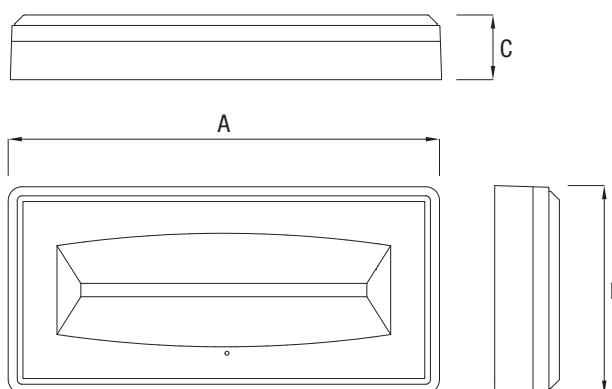
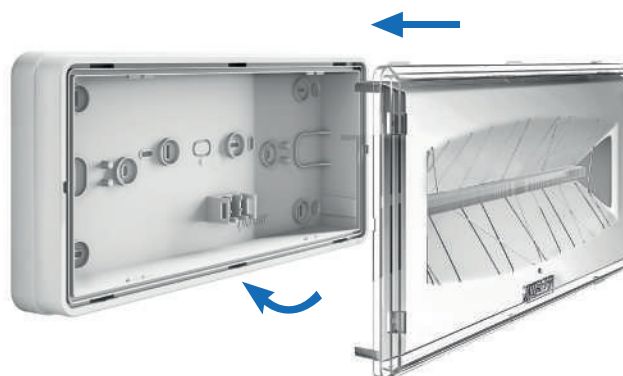
IP65		ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
SPY SYSTEM WIRELESS		PZ08N10EBRW	PZ 2401	1,1	1 h	N/M	235		Ni-Cd 6V 0,6Ah
		PZ08N30EBRW	PZ 2402	1,6	3 h	N/M	185		Ni-Cd 6V 1,3Ah
		PZ11N10EBRW	PZ 2403	1,7	1 h	N/M	535		Ni-Cd 6V 1,3Ah
		PZ11N30EBRW	PZ 2404	2,7	3 h	N/M	365		Ni-Cd 6V 2,5Ah
		PZ24N10EBRW	PZ 2405	2	1 h	N/M	755		Ni-Cd 6V 1,8Ah
		PZ24N30EBRW	PZ 2406	3,4	3 h	N/M	755		Ni-MH 6V 4Ah
		PZ08N10ABRW	PZ 2407	4,3	1 h	M	235	235	Ni-Cd 6V 0,6Ah
		PZ08N30ABRW	PZ 2408	4,1	3 h	M	185	185	Ni-Cd 6V 1,3Ah
		PZ11N10ABRW	PZ 2409	8,4	1 h	M	535	535	Ni-Cd 6V 1,3Ah
		PZ11N30ABRW	PZ 2410	6,6	3 h	M	365	365	Ni-Cd 6V 2,5Ah
		PZ24N10ABRW	PZ 2411	9,6	1 h	M	755	755	Ni-Cd 6V 1,8Ah
		PZ24N30ABRW	PZ 2412	10,8	3 h	M	755	755	Ni-MH 6V 4Ah
SPY SYSTEM WIRELESS HIGH FLUX		PZ24N10EBRW-H	PZ 2413	2	1 h	N/M	820		Ni-Cd 6V 1,8Ah
		PZ24N10EBRW-HH	PZ 2414	2,7	1 h	N/M	1000		Ni-Cd 6V 2,5Ah
		PZ24N13EBRW-HH	PZ 2415	3,4	1,5 h	N/M	1000		Ni-MH 6V 4Ah
		PZ24N20EBRW-H	PZ 2416	3	2 h	N/M	820		Ni-MH 6V 3,3Ah
DALI		PZ08N10EBRD	PZ 1601	0,9	1 h	N/M	235		Ni-Cd 6V 0,6Ah
		PZ08N30EBRD	PZ 1602	1,5	3 h	N/M	185		Ni-Cd 6V 1,3Ah
		PZ11N10EBRD	PZ 1603	1,6	1 h	N/M	535		Ni-Cd 6V 1,3Ah
		PZ11N30EBRD	PZ 1604	2,6	3 h	N/M	365		Ni-Cd 6V 2,5Ah
		PZ24N10EBRD	PZ 1605	1,9	1 h	N/M	755		Ni-Cd 6V 1,8Ah
		PZ24N30EBRD	PZ 1606	3,3	3 h	N/M	755		Ni-MH 6V 4Ah
		PZ08N10ABRD	PZ 1607	4,2	1 h	M	235	235	Ni-Cd 6V 0,6Ah
		PZ08N30ABRD	PZ 1608	4	3 h	M	185	185	Ni-Cd 6V 1,3Ah
		PZ11N10ABRD	PZ 1609	8,3	1 h	M	535	535	Ni-Cd 6V 1,3Ah
		PZ11N30ABRD	PZ 1610	6,5	3 h	M	365	365	Ni-Cd 6V 2,5Ah
		PZ24N10ABRD	PZ 1611	9,5	1 h	M	755	755	Ni-Cd 6V 1,8Ah
		PZ24N30ABRD	PZ 1612	10,7	3 h	M	755	755	Ni-MH 6V 4Ah
		PZ08000IBS-D	PZ 1613	4		L		235	
		PZ11000IBS-D	PZ 1614	7,5		L		530	
		PZ24000IBS-D	PZ 1615	8,2		L		755	
DALI HIGH FLUX		PZ24N10EBRD-H	PZ 1616	1,9	1 h	N/M	820		Ni-Cd 6V 1,8Ah
		PZ24N10EBRD-HH	PZ 1617	2,6	1 h	N/M	1000		Ni-Cd 6V 2,5Ah
		PZ24N13EBRD-HH	PZ 1618	3,3	1,5 h	N/M	1000		Ni-MH 6V 4Ah
		PZ24N20EBRD-H	PZ 1619	2,9	2 h	N/M	820		Ni-MH 6V 3,3Ah
		PZ24000IBSD-H	PZ 1620	11		L		905	
		PZ24000IBSD-HH	PZ 1621	11		L		1000	
CENTRAL BATTERY		PZ08000IBS	PZ 1901	3,1		L		235	
		PZ11000IBS	PZ 1902	6,1		L		530	
		PZ24000IBS	PZ 1903	6,8		L		755	
CENTRAL BATTERY HIGH FLUX		PZ24000IBS-H	PZ 1904	8,5		L		905	
		PZ24000IBS-HH	PZ 1905	8,5		L		1000	
SPY CENTER		PZ08000IBS-SC	PZ 2001	3,1		L		235	
		PZ11000IBS-SC	PZ 2002	6,1		L		530	
		PZ24000IBS-SC	PZ 2003	6,8		L		755	
SPY CENTER HIGH FLUX		PZ24000IBS-SC-H	PZ 2004	8,5		L		905	
		PZ24000IBS-SC-HH	PZ 2005	8,5		L		1000	
SPY CENTER 24		PZ08000IBS-SC24	PZ 2101	3		L		305	
		PZ11000IBS-SC24	PZ 2102	5,5		L		515	
		PZ24000IBS-SC24	PZ 2103	6,4		L		720	
SPY CENTER 24 HIGH FLUX		PZ240IBS-SC24-H	PZ 2104	8,4		L		895	
		PZ240IBS-SC24-HH	PZ 2105	8,4		L		980	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it)  
The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

# Cristal Evo



The evolution of the  
Cristal series  
Latest LED technology  
Ideal for large spaces



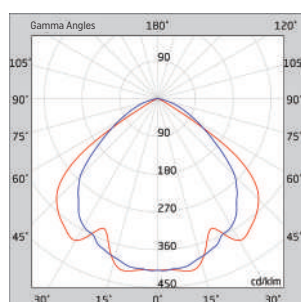
A=380 mm B=180 mm C=58 mm

## TECHNICAL FEATURES

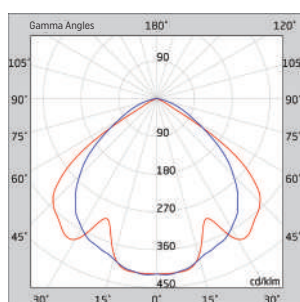
- High luminous efficiency led
- High flux up to 1300lm
- Decorative frame supplied on all individual models
- Wall mount base with predisposition for a 16mm tube on three lateral sides or on the bottom side
- Installation on surfaces that are normally flammable
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471

support@linergy.it | technical support (+39) 334 1133875

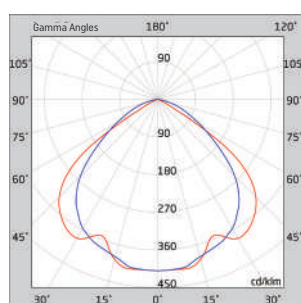
## PHOTOMETRIC DIAGRAMS



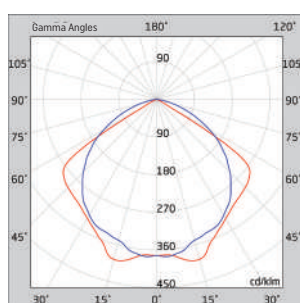
10 LED



20 LED

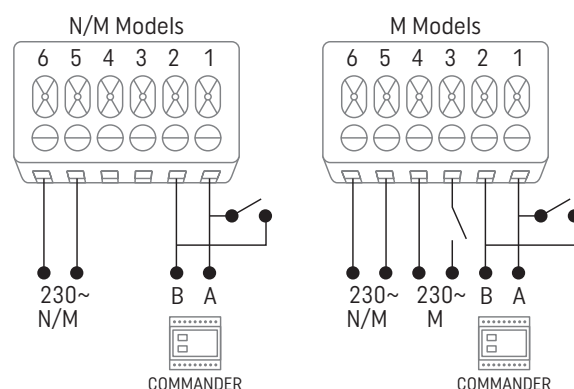


40 LED



40 LED -HH codes

## ELECTRIC CONNECTIONS



Maintained mode  
interruptible with  
separate power supply

## ACCESSORIES



**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions



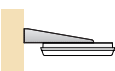
**RACCORDO IP65** - IP65 fitting supplied. The IP65 fitting is supplied with the product to engage a 16 mm tube to the luminaire body



**GRIG02** - Protective grating. Made in galvanized metal for complete protection of the luminaire body against accidental blows or acts of vandalism



**CR KT BLINDO** - Busway accessory. Accessory that allows hook up to the busbar



**SM KT SUP** - Kit for flag style fastening. Bracket for fixing the ceiling light in flag style



**CE KT SEG** - Signalling kit. With this kit, the CRISTAL EVO can be used like a signalling luminaire in compliance with EN 1838 Standard. Kit of pictograms supplied as standard. Visual range with pictogram = 30m



**CEIS01 - CEIS02 - CEIS08** - Pictograms. See the "Accessories and spare parts" section on page 160. Visual range with pictogram = 21m



**INC M CR** - Wall box for recessed installation. Dimensions (mm): internal 365.6 x 167.1 max external 382.7 x 184.2



**CR KT CGE** - Plasterboard and false ceiling fastening kit. Kit for fixing the ceiling light on the plasterboard walls and false ceiling







**KIT 45GRADI** - With this bracket, the luminaire can be installed with an inclination of 45°

ORDER CODE	SHORT CODE	DESCRIPTION
CEKTSEG	A 004	SIGNALING KIT CRISTAL EVO
CRKTBLINDO	A 005	BUSBAR KIT
CRKTCGE	A 006	PLASTERBOARD AND DROPPED-CEILING FASTENING KIT
GRIG02	A 013	PROTECTIVE GRATING
INCMCR	A 019	WALL BOX RECESSED INSTALLATION CRISTAL
SMKTSUP	A 047	KIT FOR FLAG-STYLE FASTENING
KIT45GRADI	A 092	CLASP FOR FIXING AT 45 DEGREES
CEIS01	A 146	PICTOGRAM FOR CRISTAL EVO ARROW LEFT
CEIS02	A 147	PICTOGRAM FOR CRISTAL EVO ARROW RIGHT
CEIS08	A 148	PICTOGRAM FOR CRISTAL EVO ARROW DOWN
CORNCR	A 203	AESTHETIC FRAME FOR CRISTAL
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE





	ORDER CODE	SHORT CODE	CONSUMPTION * (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY		
INHIBIT	CE08N10EGI	CE 1101	0,9	1 h	N/M	175		Ni-Cd 6V 0,6Ah	•	
	CE08N30EGI	CE 1102	1,2	3 h	N/M	115		Ni-Cd 6V 0,8Ah	•	
	CE11N10EGI	CE 1103	0,9	1 h	N/M	215		Ni-Cd 6V 0,6Ah	•	
	CE11N30EGI	CE 1104	1,5	3 h	N/M	175		Ni-Cd 6V 1,3Ah	•	
	CE24N10EGI	CE 1105	1,6	1 h	N/M	475		Ni-Cd 6V 1,3Ah	•	
	CE24N30EGI	CE 1106	2,6	3 h	N/M	310		Ni-Cd 6V 2,5Ah	•	
REST MODE	CE08N10AGR	CE 1201	4,2	1 h	M	215	215	Ni-Cd 6V 0,6Ah	•	
	CE08N30AGR	CE 1202	4	3 h	M	175	175	Ni-Cd 6V 1,3Ah	•	
	CE11N10AGR	CE 1203	8,3	1 h	M	475	475	Ni-Cd 6V 1,3Ah	•	
	CE11N30AGR	CE 1204	6,5	3 h	M	310	310	Ni-Cd 6V 2,5Ah	•	
	CE24N10AGR	CE 1205	9,5	1 h	M	730	730	Ni-Cd 6V 1,8Ah	•	
	CE24N30AGR	CE 1206	10,7	3 h	M	730	730	Ni-MH 6V 4Ah	•	
ENERGY TEST	CE08N10EGRT	CE 1301	0,9	1 h	N/M	215		Ni-Cd 6V 0,6Ah	•	
	CE08N30EGRT	CE 1302	1,5	3 h	N/M	175		Ni-Cd 6V 1,3Ah	•	
	CE11N10EGRT	CE 1303	1,6	1 h	N/M	475		Ni-Cd 6V 1,3Ah	•	
	CE11N30EGRT	CE 1304	2,6	3 h	N/M	310		Ni-Cd 6V 2,5Ah	•	
	CE24N10EGRT	CE 1305	1,9	1 h	N/M	730		Ni-Cd 6V 1,8Ah	•	
	CE24N30EGRT	CE 1306	3,3	3 h	N/M	730		Ni-MH 6V 4Ah	•	
	CE08N10AGRT	CE 1307	4,2	1 h	M	210	210	Ni-Cd 6V 0,6Ah	•	
	CE08N30AGRT	CE 1308	4	3 h	M	170	170	Ni-Cd 6V 1,3Ah	•	
	CE11N10AGRT	CE 1309	8,3	1 h	M	465	465	Ni-Cd 6V 1,3Ah	•	
	CE11N30AGRT	CE 1310	6,5	3 h	M	320	320	Ni-Cd 6V 2,5Ah	•	
	CE24N10AGRT	CE 1311	9,5	1 h	M	730	730	Ni-Cd 6V 1,8Ah	•	
	CE24N30AGRT	CE 1312	10,7	3 h	M	730	730	Ni-MH 6V 4Ah	•	
	RCE11N30AGRT	CE 1318	6,5	3 h	M	320	320	Ni-Cd 6V 2,5Ah		•
	RCE24N30AGRT	CE 1319	10,7	3 h	M	730	730	Ni-MH 6V 4Ah		•
ENERGY TEST HIGH FLUX	CE24N10EGRT-H	CE 1313	2,6	1 h	N/M	1015		Ni-Cd 6V 2,5Ah	•	
	CE24N10EGRT-HH	CE 1314	2,9	1 h	N/M	1340		Ni-MH 6V 3,3Ah	•	
	CE24N20EGRT-HH	CE 1315	4,2	2 h	N/M	1340		Ni-Cd 6V 5Ah	•	
	CE24N30EGRT-H	CE 1316	4,2	3 h	N/M	1015		Ni-Cd 6V 5Ah	•	
	CE24N10AGRT-H	CE 1317	12,4	1 h	M	1000	1000	Ni-Cd 6V 2,5Ah	•	
SPY SYSTEM	CE08N10EGRC	CE 1501	0,9	1 h	N/M	215		Ni-Cd 6V 0,6Ah	•	
	CE08N30EGRC	CE 1502	1,5	3 h	N/M	175		Ni-Cd 6V 1,3Ah	•	
	CE11N10EGRC	CE 1503	1,6	1 h	N/M	475		Ni-Cd 6V 1,3Ah	•	
	CE11N30EGRC	CE 1504	2,6	3 h	N/M	310		Ni-Cd 6V 2,5Ah	•	
	CE24N10EGRC	CE 1505	1,9	1 h	N/M	730		Ni-Cd 6V 1,8Ah	•	
	CE24N30EGRC	CE 1506	3,3	3 h	N/M	730		Ni-MH 6V 4Ah	•	
	CE08N10AGRC	CE 1507	4,2	1 h	M	210	210	Ni-Cd 6V 0,6Ah	•	
	CE08N30AGRC	CE 1508	4	3 h	M	170	170	Ni-Cd 6V 1,3Ah	•	
	CE11N10AGRC	CE 1509	8,3	1 h	M	465	465	Ni-Cd 6V 1,3Ah	•	
	CE11N30AGRC	CE 1510	6,5	3 h	M	320	320	Ni-Cd 6V 2,5Ah	•	
	CE24N10AGRC	CE 1511	9,5	1 h	M	730	730	Ni-Cd 6V 1,8Ah	•	
	CE24N30AGRC	CE 1512	10,7	3 h	M	730	730	Ni-MH 6V 4Ah	•	
SPY SYSTEM HIGH FLUX	CE24N10EGRC-H	CE 1513	2,6	1 h	N/M	1015		Ni-Cd 6V 2,5Ah	•	
	CE24N10EGRC-HH	CE 1514	2,9	1 h	N/M	1340		Ni-MH 6V 3,3Ah	•	
	CE24N20EGRC-HH	CE 1515	4,2	2 h	N/M	1340		Ni-Cd 6V 5Ah	•	
	CE24N30EGRC-H	CE 1516	4,2	3 h	N/M	1015		Ni-Cd 6V 5Ah	•	
	CE24N10AGRC-H	CE 1517	12,4	1 h	M	1000	1000	Ni-Cd 6V 2,5Ah	•	
SPY SYSTEM WIRELESS	CE08N10EGRW	CE 2401	1,1	1 h	N/M	215		Ni-Cd 6V 0,6Ah		
	CE08N30EGRW	CE 2402	1,6	3 h	N/M	175		Ni-Cd 6V 1,3Ah		
	CE11N10EGRW	CE 2403	1,7	1 h	N/M	475		Ni-Cd 6V 1,3Ah		
	CE11N30EGRW	CE 2404	2,7	3 h	N/M	310		Ni-Cd 6V 2,5Ah		
	CE24N10EGRW	CE 2405	2	1 h	N/M	730		Ni-Cd 6V 1,8Ah		
	CE24N30EGRW	CE 2406	3,4	3 h	N/M	730		Ni-MH 6V 4Ah		
	CE08N10AGRW	CE 2407	4,3	1 h	M	210	210	Ni-Cd 6V 0,6Ah		
	CE08N30AGRW	CE 2408	4,1	3 h	M	170	170	Ni-Cd 6V 1,3Ah		
	CE11N10AGRW	CE 2409	8,4	1 h	M	465	465	Ni-Cd 6V 1,3Ah		
	CE11N30AGRW	CE 2410	6,6	3 h	M	320	320	Ni-Cd 6V 2,5Ah		
	CE24N10AGRW	CE 2411	9,6	1 h	M	730	730	Ni-Cd 6V 1,8Ah		
	CE24N30AGRW	CE 2412	10,8	3 h	M	730	730	Ni-MH 6V 4Ah		
SPY SYSTEM WIRELESS HIGH FLUX	CE24N10EGRW-H	CE 2413	2,7	1 h	N/M	1015		Ni-Cd 6V 2,5Ah		
	CE24N10EGRW-HH	CE 2414	3	1 h	N/M	1340		Ni-MH 6V 3,3Ah		
	CE24N20EGRW-HH	CE 2415	4,3	2 h	N/M	1340		Ni-Cd 6V 5Ah		
	CE24N30EGRW-H	CE 2416	4,3	3 h	N/M	1015		Ni-Cd 6V 5Ah		
	CE24N10AGRW-H	CE 2417	12,5	1 h	M	1000	1000	Ni-Cd 6V 2,5Ah		

	ORDER CODE	SHORT CODE	CONSUMPTION * (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY		
DALI	CE08N10EGRD	CE 1601	0,9	1 h	N/M	215		Ni-Cd 6V 0,6Ah		
	CE08N30EGRD	CE 1602	1,5	3 h	N/M	175		Ni-Cd 6V 1,3Ah		
	CE11N10EGRD	CE 1603	1,6	1 h	N/M	475		Ni-Cd 6V 1,3Ah		
	CE11N30EGRD	CE 1604	2,6	3 h	N/M	310		Ni-Cd 6V 2,5Ah		
	CE24N10EGRD	CE 1605	1,9	1 h	N/M	730		Ni-Cd 6V 1,8Ah		
	CE24N30EGRD	CE 1606	3,3	3 h	N/M	730		Ni-MH 6V 4Ah		
	CE08N10AGRD	CE 1607	4,2	1 h	M	210	210	Ni-Cd 6V 0,6Ah		
	CE08N30AGRD	CE 1608	4	3 h	M	170	170	Ni-Cd 6V 1,3Ah		
	CE11N10AGRD	CE 1609	8,3	1 h	M	465	465	Ni-Cd 6V 1,3Ah		
	CE11N30AGRD	CE 1610	6,5	3 h	M	320	320	Ni-Cd 6V 2,5Ah		
	CE24N10AGRD	CE 1611	9,5	1 h	M	730	730	Ni-Cd 6V 1,8Ah		
	CE24N30AGRD	CE 1612	10,7	3 h	M	730	730	Ni-MH 6V 4Ah		
	CE08000IGS-D	CE 1613	4		L		240			
	CE11000IGS-D	CE 1614	7,5		L		520			
	CE24000IGS-D	CE 1615	8,2		L		790			
DALI HIGH FLUX	CE24N10EGRD-H	CE 1616	2,6	1 h	N/M	1015		Ni-Cd 6V 2,5Ah		
	CE24N10EGRD-HH	CE 1617	2,9	1 h	N/M	1340		Ni-MH 6V 3,3Ah		
	CE24N20EGRD-HH	CE 1618	4,2	2 h	N/M	1340		Ni-Cd 6V 5Ah		
	CE24N30EGRD-H	CE 1619	4,2	3 h	N/M	1015		Ni-Cd 6V 5Ah		
	CE24N10AGRD-H	CE 1620	12,4	1 h	M	1000	1000	Ni-Cd 6V 2,5Ah		
	CE24000IGS-D-H	CE 1621	11		L		1015			
	CE24000IGS-D-HH	CE 1622	17		L		1345			
CENTRAL BATTERY	CE08000IGS	CE 1901	3,1		L		240		•	
	CE11000IGS	CE 1902	6,1		L		520		•	
	CE24000IGS	CE 1903	6,8		L		790		•	
CENTRAL BATTERY HIGH FLUX	CE24000IGS-H	CE 1904	8,5		L		1015		•	
	CE24000IGS-HH	CE 1905	12,8		L		1345		•	
SPY CENTER	CE08000IGS-SC	CE 2001	3,1		L		240		•	
	CE11000IGS-SC	CE 2002	6,1		L		520		•	
	CE24000IGS-SC	CE 2003	6,8		L		790		•	
SPY CENTER HIGH FLUX	CE24000IGS-SC-H	CE 2004	8,5		L		1015		•	
	CE24000IGS-SC-HH	CE 2005	12,8		L		1345		•	
SPY CENTER 24	CE08000IGS-SC24	CE 2101	3,1		L		255			
	CE11000IGS-SC24	CE 2102	5,7		L		460			
	CE24000IGS-SC24	CE 2103	7,1		L		660			
SPY CENTER 24 HIGH FLUX	CE240IGS-SC24-H	CE 2104	9,3		L		900			
	CE240IGS-SC24-HH	CE 2105	13,9		L		1275			

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged.

The products in the Central Battery range can be powered also by a 110VDC relay and are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it)

The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

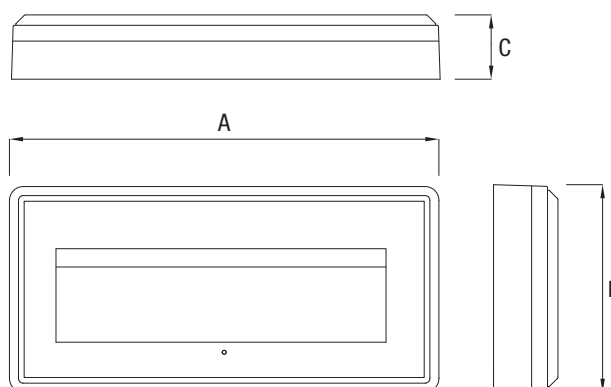
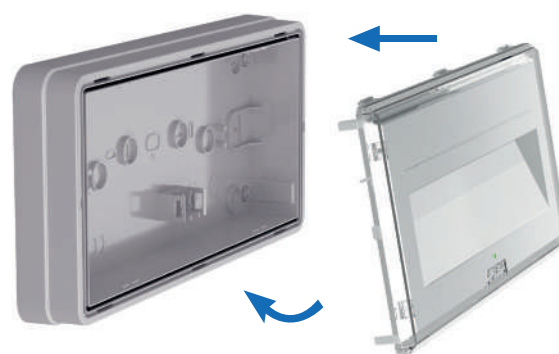
# Cristal Wall



Designed exclusively for wall mount

Ideal for illuminating escape routes in large spaces both indoors and outdoors

Latest generation LED technology



A=380 mm B=180 mm C=58 mm

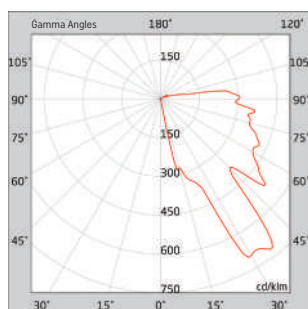
## TECHNICAL FEATURES

- Decorative frame supplied on all individual models
- Wall mount base with predisposition for a 16mm tube on three lateral sides or on the bottom side
- Installation on surfaces that are normally flammable
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471

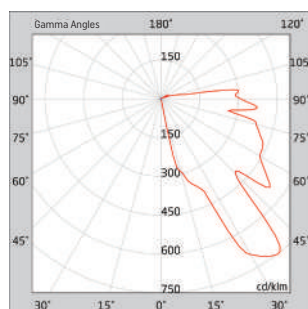
[support@linergy.it](mailto:support@linergy.it) | technical support (+39) 334 1133875



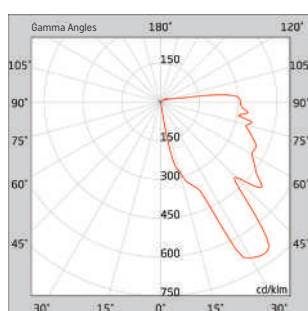
## PHOTOMETRIC DIAGRAMS



10 LED

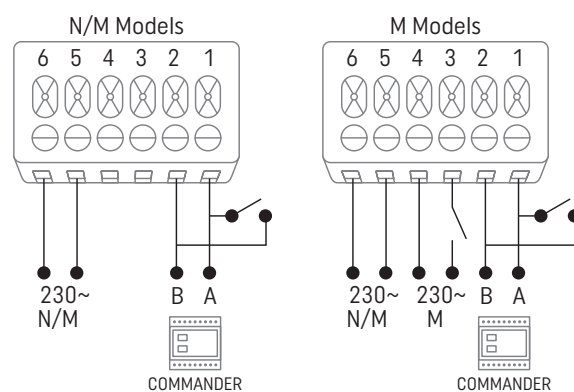


20 LED



40 LED

## ELECTRIC CONNECTIONS

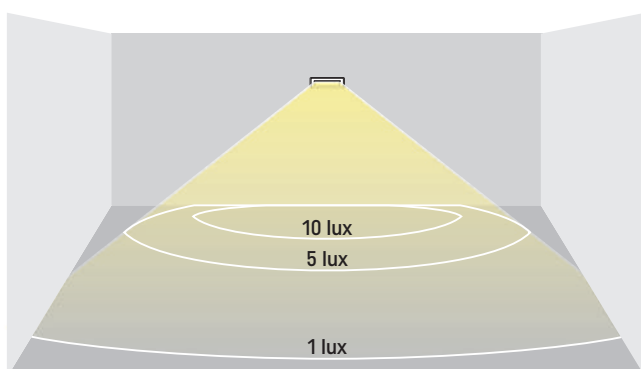


Maintained mode  
interruptible with  
separate power supply

## LIGHTING PERFORMANCE

### Individual installation

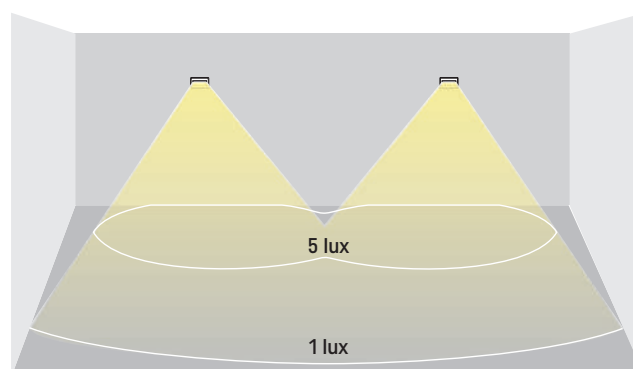
Emergency exits, stairs, first aid areas, fire-fighting equipment, etc.



	MAXIMUM DISTANCE COVERED
1 lux	14 m
5 lux	8,3 m
10 lux	6,7 m

### Multiple installation

Escape routes



	MAXIMUM SPACING BETWEEN FITTINGS	MAXIMUM DISTANCE COVERED
1 lux	12 m	26 m
5 lux	8 m	16,3 m
10 lux	7 m	14,2 m

Mounting height 2.5 m. Values calculated on floors without reflections with the CW24000IGS-HH device.





## ACCESSORIES



**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions



**RACCORDO IP65** - IP65 fitting supplied. The IP65 fitting is supplied with the product to engage a 16 mm tube to the luminaire body



**GRIG02** - Protective grating. Made in galvanized metal for complete protection of the luminaire body against accidental blows or acts of vandalism



**INC M CR** - Wall box for recessed installation. Dimensions (mm): internal 365,6 x 167,1 max external 382,7 x 184,2



**CR KT CGE** - Plasterboard and false ceiling fastening kit. Kit for fixing the ceiling light on the plasterboard walls

ORDER CODE	SHORT CODE	DESCRIPTION
CRKTCGE	A 006	PLASTERBOARD AND DROPPED-CEILING FASTENING KIT
GRIG02	A 013	PROTECTIVE GRATING
INCMCR	A 019	WALL BOX RECESSED INSTALLATION CRISTAL
CORNCR	A 203	AESTHETIC FRAME FOR CRISTAL
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

	ORDER CODE	SHORT CODE	CONSUMPTION * (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY	05
<b>INHIBIT</b>	CW08N10EGI	CW 1101	0,9	1 h	N/M	180		Ni-Cd 6V 0,6Ah	•
	CW08N30EGI	CW 1102	1,2	3 h	N/M	110		Ni-Cd 6V 0,8Ah	•
	CW11N10EGI	CW 1103	0,9	1 h	N/M	225		Ni-Cd 6V 0,6Ah	•
	CW11N30EGI	CW 1104	1,5	3 h	N/M	180		Ni-Cd 6V 1,3Ah	•
	CW24N10EGI	CW 1105	1,6	1 h	N/M	415		Ni-Cd 6V 1,3Ah	•
	CW24N30EGI	CW 1106	2,6	3 h	N/M	280		Ni-Cd 6V 2,5Ah	•
<b>REST MODE</b>	CW08N10AGR	CW 1201	4,2	1 h	M	220	220	Ni-Cd 6V 0,6Ah	•
	CW08N30AGR	CW 1202	4	3 h	M	180	180	Ni-Cd 6V 1,3Ah	•
	CW11N10AGR	CW 1203	8,3	1 h	M	415	415	Ni-Cd 6V 1,3Ah	•
	CW11N30AGR	CW 1204	6,5	3 h	M	280	280	Ni-Cd 6V 2,5Ah	•
	CW24N10AGR	CW 1205	9,5	1 h	M	565	565	Ni-Cd 6V 1,8Ah	•
	CW24N30AGR	CW 1206	10,7	3 h	M	565	565	Ni-MH 6V 4Ah	•
<b>ENERGY TEST</b>	CW08N10EGRT	CW 1301	0,9	1 h	N/M	220		Ni-Cd 6V 0,6Ah	•
	CW08N30EGRT	CW 1302	1,5	3 h	N/M	180		Ni-Cd 6V 1,3Ah	•
	CW11N10EGRT	CW 1303	1,6	1 h	N/M	415		Ni-Cd 6V 1,3Ah	•
	CW11N30EGRT	CW 1304	2,6	3 h	N/M	280		Ni-Cd 6V 2,5Ah	•
	CW24N10EGRT	CW 1305	1,9	1 h	N/M	565		Ni-Cd 6V 1,8Ah	•
	CW24N30EGRT	CW 1306	3,3	3 h	N/M	565		Ni-MH 6V 4Ah	•
	CW08N10AGRT	CW 1307	4,2	1 h	M	220	220	Ni-Cd 6V 0,6Ah	•
	CW08N30AGRT	CW 1308	4	3 h	M	180	180	Ni-Cd 6V 1,3Ah	•
	CW11N10AGRT	CW 1309	8,3	1 h	M	415	415	Ni-Cd 6V 1,3Ah	•
	CW11N30AGRT	CW 1310	6,5	3 h	M	280	280	Ni-Cd 6V 2,5Ah	•
	CW24N10AGRT	CW 1311	9,5	1 h	M	565	565	Ni-Cd 6V 1,8Ah	•
	CW24N30AGRT	CW 1312	10,7	3 h	M	565	565	Ni-MH 6V 4Ah	•
<b>ENERGY TEST HIGH FLUX</b>	CW24N10EGRT-H	CW 1313	2,6	1 h	N/M	715		Ni-Cd 6V 2,5Ah	•
	CW24N10EGRT-HH	CW 1314	2,9	1 h	N/M	1050		Ni-MH 6V 3,3Ah	•
	CW24N20EGRT-HH	CW 1315	4,2	2 h	N/M	1050		Ni-Cd 6V 5Ah	•
	CW24N30EGRT-H	CW 1316	4,2	3 h	N/M	715		Ni-Cd 6V 5Ah	•
	CW24N10AGRT-H	CW 1317	12,4	1 h	M	715	715	Ni-Cd 6V 2,5Ah	•
<b>SPY SYSTEM</b>	CW08N10EGRC	CW 1501	0,9	1 h	N/M	220		Ni-Cd 6V 0,6Ah	•
	CW08N30EGRC	CW 1502	1,5	3 h	N/M	180		Ni-Cd 6V 1,3Ah	•
	CW11N10EGRC	CW 1503	1,6	1 h	N/M	415		Ni-Cd 6V 1,3Ah	•
	CW11N30EGRC	CW 1504	2,6	3 h	N/M	280		Ni-Cd 6V 2,5Ah	•
	CW24N10EGRC	CW 1505	1,9	1 h	N/M	565		Ni-Cd 6V 1,8Ah	•
	CW24N30EGRC	CW 1506	3,3	3 h	N/M	565		Ni-MH 6V 4Ah	•
	CW08N10AGRC	CW 1507	4,2	1 h	M	220	220	Ni-Cd 6V 0,6Ah	•
	CW08N30AGRC	CW 1508	4	3 h	M	180	180	Ni-Cd 6V 1,3Ah	•
	CW11N10AGRC	CW 1509	8,3	1 h	M	415	415	Ni-Cd 6V 1,3Ah	•
	CW11N30AGRC	CW 1510	6,5	3 h	M	280	280	Ni-Cd 6V 2,5Ah	•
	CW24N10AGRC	CW 1511	9,5	1 h	M	565	565	Ni-Cd 6V 1,8Ah	•
	CW24N30AGRC	CW 1512	10,7	3 h	M	565	565	Ni-MH 6V 4Ah	•

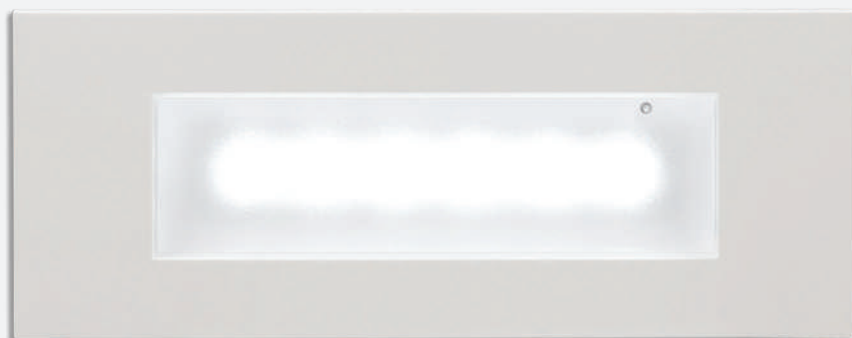


	ORDER CODE	SHORT CODE	CONSUMPTION * (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY	05
SPY SYSTEM HIGH FLUX	CW24N10EGRC-H	CW 1513	2,6	1 h	N/M	715		Ni-Cd 6V 2,5Ah	•
	CW24N10EGRC-HH	CW 1514	2,9	1 h	N/M	1050		Ni-MH 6V 3,3Ah	•
	CW24N20EGRC-HH	CW 1515	4,2	2 h	N/M	1050		Ni-Cd 6V 5Ah	•
	CW24N30EGRC-H	CW 1516	4,2	3 h	N/M	715		Ni-Cd 6V 5Ah	•
	CW24N10AGRC-H	CW 1517	12,4	1 h	M	715	715	Ni-Cd 6V 2,5Ah	•
SPY SYSTEM WIRELESS	CW08N10EGRW	CW 2401	1,1	1 h	N/M	220		Ni-Cd 6V 0,6Ah	
	CW08N30EGRW	CW 2402	1,6	3 h	N/M	180		Ni-Cd 6V 1,3Ah	
	CW11N10EGRW	CW 2403	1,7	1 h	N/M	415		Ni-Cd 6V 1,3Ah	
	CW11N30EGRW	CW 2404	2,7	3 h	N/M	280		Ni-Cd 6V 2,5Ah	
	CW24N10EGRW	CW 2405	2	1 h	N/M	565		Ni-Cd 6V 1,8Ah	
	CW24N30EGRW	CW 2406	3,4	3 h	N/M	565		Ni-MH 6V 4Ah	
	CW08N10AGRW	CW 2407	4,3	1 h	M	220	220	Ni-Cd 6V 0,6Ah	
	CW08N30AGRW	CW 2408	4,1	3 h	M	180	180	Ni-Cd 6V 1,3Ah	
	CW11N10AGRW	CW 2409	8,4	1 h	M	415	415	Ni-Cd 6V 1,3Ah	
	CW11N30AGRW	CW 2410	6,6	3 h	M	280	280	Ni-Cd 6V 2,5Ah	
	CW24N10AGRW	CW 2411	9,6	1 h	M	565	565	Ni-Cd 6V 1,8Ah	
	CW24N30AGRW	CW 2412	10,8	3 h	M	565	565	Ni-MH 6V 4Ah	
SPY SYSTEM WIRELESS HIGH FLUX	CW24N10EGRW-H	CW 2413	2,7	1 h	N/M	715		Ni-Cd 6V 2,5Ah	
	CW24N10EGRW-HH	CW 2414	3	1 h	N/M	1050		Ni-MH 6V 3,3Ah	
	CW24N20EGRW-HH	CW 2415	4,3	2 h	N/M	1050		Ni-Cd 6V 5Ah	
	CW24N30EGRW-H	CW 2416	4,3	3 h	N/M	715		Ni-Cd 6V 5Ah	
	CW24N10AGRW-H	CW 2417	12,5	1 h	M	715	715	Ni-Cd 6V 2,5Ah	
DALI	CW08N10EGRD	CW 1601	0,9	1 h	N/M	220		Ni-Cd 6V 0,6Ah	
	CW08N30EGRD	CW 1602	1,5	3 h	N/M	180		Ni-Cd 6V 1,3Ah	
	CW11N10EGRD	CW 1603	1,6	1 h	N/M	415		Ni-Cd 6V 1,3Ah	
	CW11N30EGRD	CW 1604	2,6	3 h	N/M	280		Ni-Cd 6V 2,5Ah	
	CW24N10EGRD	CW 1605	1,9	1 h	N/M	565		Ni-Cd 6V 1,8Ah	
	CW24N30EGRD	CW 1606	3,3	3 h	N/M	565		Ni-MH 6V 4Ah	
	CW08N10AGRD	CW 1607	4,2	1 h	M	220	220	Ni-Cd 6V 0,6Ah	
	CW08N30AGRD	CW 1608	4	3 h	M	180	180	Ni-Cd 6V 1,3Ah	
	CW11N10AGRD	CW 1609	8,3	1 h	M	415	415	Ni-Cd 6V 1,3Ah	
	CW11N30AGRD	CW 1610	6,5	3 h	M	280	280	Ni-Cd 6V 2,5Ah	
	CW24N10AGRD	CW 1611	9,5	1 h	M	565	565	Ni-Cd 6V 1,8Ah	
	CW24N30AGRD	CW 1612	10,7	3 h	M	565	565	Ni-MH 6V 4Ah	
	CW08000IGS-D	CW 1613	4		L		205		
	CW11000IGS-D	CW 1614	7,5		L		400		
	CW24000IGS-D	CW 1615	8,2		L		625		
DALI HIGH FLUX	CW24N10EGRD-H	CW 1616	2,6	1 h	N/M	715		Ni-Cd 6V 2,5Ah	
	CW24N10EGRD-HH	CW 1617	2,9	1 h	N/M	1050		Ni-MH 6V 3,3Ah	
	CW24N20EGRD-HH	CW 1618	4,2	2 h	N/M	1050		Ni-Cd 6V 5Ah	
	CW24N30EGRD-H	CW 1619	4,2	3 h	N/M	715		Ni-Cd 6V 5Ah	
	CW24N10AGRD-H	CW 1620	12,4	1 h	M	715	715	Ni-Cd 6V 2,5Ah	
	CW24000IGS-D-H	CW 1621	11		L		700		
	CW24000IGS-D-HH	CW 1622	17		L		1040		
CENTRAL BATTERY	CW08000IGS	CW 1901	3,1		L		205		•
	CW11000IGS	CW 1902	6,1		L		400		•
	CW24000IGS	CW 1903	6,8		L		625		•
	CW24000IGS-H	CW 1904	8,5		L		700		•
CENTRAL BATTERY HIGH FLUX	CW24000IGS-HH	CW 1905	12,8		L		1040		•
SPY CENTER	CW08000IGS-SC	CW 2001	3,1		L		205		•
	CW11000IGS-SC	CW 2002	6,1		L		400		•
	CW24000IGS-SC	CW 2003	6,8		L		625		•
SPY CENTER HIGH FLUX	CW24000IGS-SC-H	CW 2004	8,5		L		700		•
	CW24000IGS-SC-HH	CW 2005	12,8		L		1040		•
SPY CENTER 24	CW08000IGS-SC24	CW 2101	3,1		L		220		
	CW11000IGS-SC24	CW 2102	5,7		L		320		
	CW24000IGS-SC24	CW 2103	7,1		L		525		
SPY CENTER 24 HIGH FLUX	CW240IGS-SC24-H	CW 2104	9,3		L		660		
	CW240IGS-SC24-HH	CW 2105	13,9		L		935		

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged.

The products in the Central Battery range can be powered also by a 110VDC relay and are compatible with the Spy Center system, but they do not have control of the individual fixture. The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

# Seven Glass



Ultra thin

Ideal for small areas

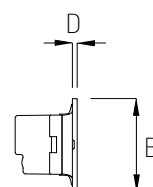
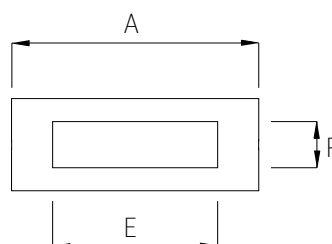
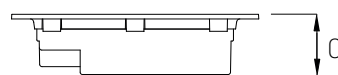
Suited for entertainment venues as floorpath illumination for stairs



IP40



PACK 12



## TECHNICAL FEATURES

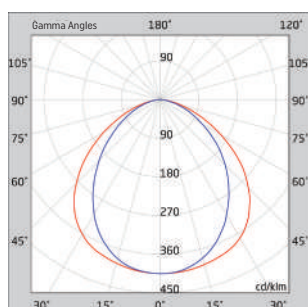
- Plate with integrated diffuser
- Lithium Phosphate Iron Battery: lasts twice as long as traditional Nickel Cadmium batteries
- Recessed on 6 modules box
- Recharge: 12h
- Complies with European standards EN 60598-1, EN 60598-2-22
- No photobiological risk according to EN 62471

A=206mm B=80mm C=52mm D=4mm E=138mm F=40mm

 [support@linergy.it](mailto:support@linergy.it) |  technical support (+39) 334 1133875



## PHOTOMETRIC DIAGRAM



## ACCESSORIES



**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions.

ORDER CODE	SHORT CODE	DESCRIPTION
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE



	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
<b>REST MODE</b>	SB100N30EBR	SB 1201	0,8	3 h	N/M	60		Li-FePO4 3,2V 0,55Ah
	SB100N30ABR	SB 1202	0,8	3 h	M	60	60	Li-FePO4 3,2V 0,55Ah
<b>MOVIE</b>	SB100N30MBR	SB 1701	0,8	3 h	MOVIE	60	12	Li-FePO4 3,2V 0,55Ah
<b>CENTRAL BATTERY</b>	SB100000IBS	SB 1901	0,8		L		60	

\* **Note:** the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture.



# Mini Glass



Maintained + Movie  
Minimum thickness  
Ideal for small areas  
Suited for entertainment  
venues as floorpath  
illumination for stairs



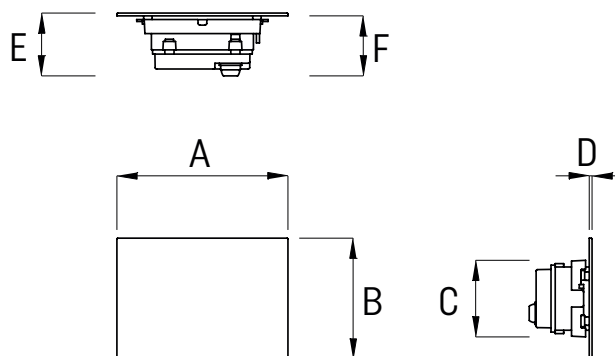
IP65



PACK 12

## TECHNICAL FEATURES

- Plate with integrated diffuser
- Possibility to change the maintained luminosity
- Predisposition for N/M (non maintained) or M (maintained) mode
- Maintained mode can be turned on/off with an external switch
- Recessed installations inside standard 3 module boxes
- New generation, environmentally friendly battery
- Recharge: 12h
- Complies with European standards EN 60598-1, EN 60598-2-22
- No photobiological risk according to EN 62471

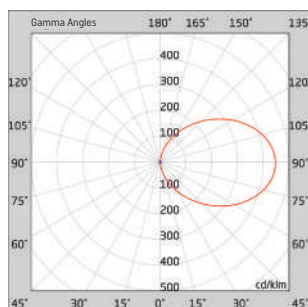


A=128mm B=86mm C=55mm D=2mm  
E=45mm F=43mm

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## PHOTOMETRIC DIAGRAM



## QUICK AND EASY INSTALLATION

For best flush wall installation Miniglass allows the tuning of the positioning depth. The transparent plate is safely kept attached to the base by powerful magnets.



## ACCESSORIES



**MGDIFF** - Spare plate with integrated diffuser.

**ORDER CODE**  
MGDIFF

**SHORT CODE**  
A 298

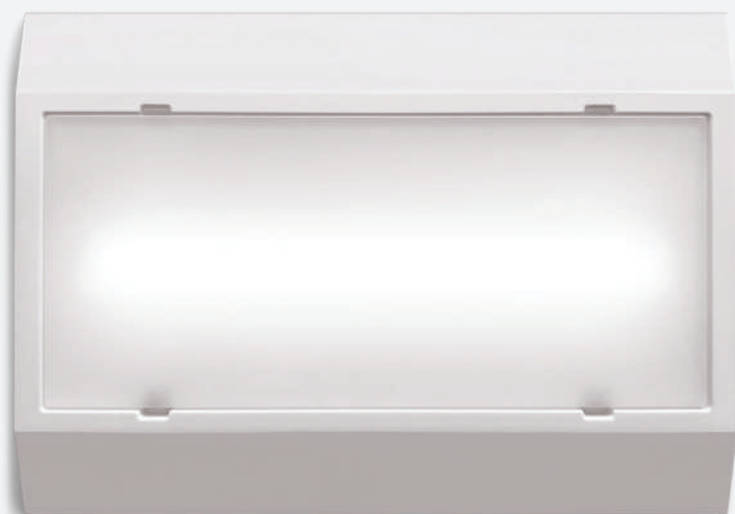
**DESCRIPTION**  
MINI GLASS DIFFUSER GLASS



	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
<b>STANDARD</b>	MG100N20ABS	MG 1001	0,9	2 h	M	44	20	Li-FeP04 3,2V 0,55Ah
<b>CENTRAL BATTERY</b>	MG100000IBS	MG 1901	1		L		26	

\* **Note:** the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. .

# Free



Selectable M + N/M mode

Minimum thickness

Ideal for small areas

Selectable battery duration  
up to 6h



IP40

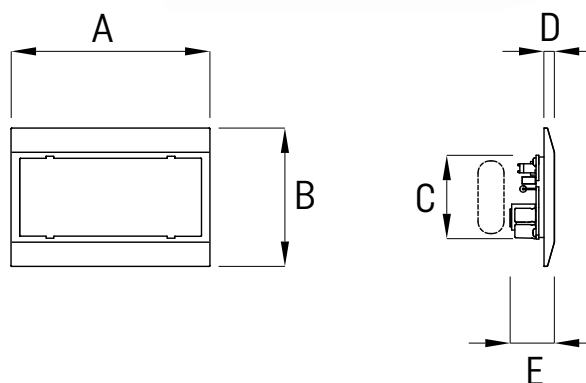
IK06



PACK 24

## TECHNICAL FEATURES

- Selectable duration: 1h/3h, 2h/6h
- Recessed installation inside standard 503 boxes
- Possibility to set the luminaire for NM (Non Maintained) or M (Maintained)
- Flush with the wall installation
- Integrated plaque and diffuser
- Rechargeable and replaceable battery
- Complies to European Norms EN 60598-1, EN 60598-2-22
- No photobiological risk in accordance to EN 62471



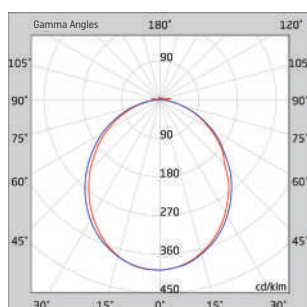
A=115mm B=80mm C=48mm D=6mm E=26mm



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## PHOTOMETRIC DIAGRAM



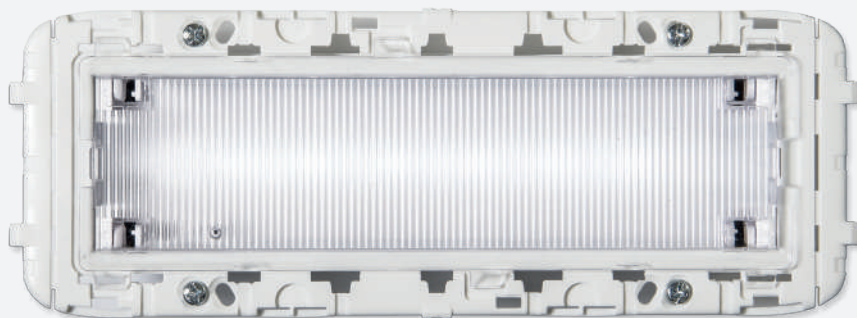
	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
STANDARD	FE100N30ABS	FE 1001	2,8/0,7	1 h/3 h	M/N-M	150/50	150/50	Ni-Cd 3,6V 0,6Ah
	FE100N60ABS	FE 1002	2,8/0,7	2 h/6 h	M/N-M	150/50	150/50	Ni-Cd 3,6V 1,2Ah

\* **Note:** the indicated input power (expressed in W) is the one measured when the battery is charged. Values related to the M/NM operation mode.






# Seven Plus Led

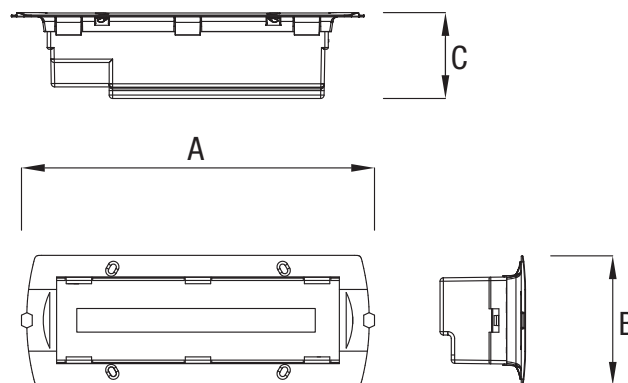


High luminosity  
Ideal for small areas  
Suited for entertainment  
venues as floorpath  
illumination for stairs

CE  IP40  PACK 12

## TECHNICAL FEATURES

- Movie version for cinemas and theatres
- Lithium Iron Phosphate battery: lasts twice as long as traditional Nickel Cadmium batteries
- Recharge: 12h
- Recessed on 506 box
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471

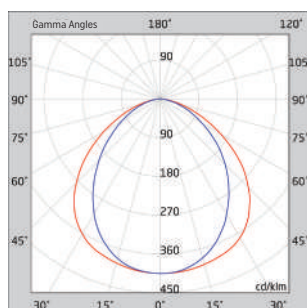


A=188 mm B=71 mm C=54 mm

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## PHOTOMETRIC DIAGRAM



## ACCESSORIES



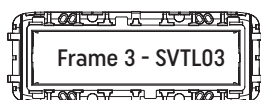
**SV PL55-N / SV PL55-M**  
The IP55 kit comprises the frame SVTL03, the diffuser, the grid and the seal.



**SVPL-B / SVPL-G**  
White or grey colored finishing plate.

## ADAPTER FRAMES

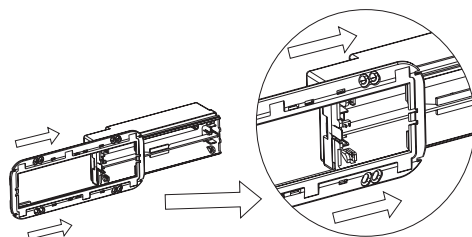
Frames 3 and 4 are **supplied as per standard**.



**VIMAR** Eikon - Eikon Evo - Arké - Plana  
**B-TICINO** Matix

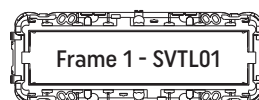


**VIMAR** Idea  
**B-TICINO** Axolute - Living Light



**Frame assembly system**  
(patent pending)

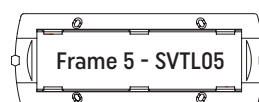
Frames 1, 2 and 5 are **available on request**.



**VIMAR** Idea Classica - Idea Rondò - Plana - Eikon  
**AVE** Noir - Banquise - Zama 45 - Yes 45 - Ral 45 - Sistema 44



**B-TICINO** Axolute - Living Classic - Living International - Light - Light Tech - Matix  
**GEWISS** Chorus Lux - Chorus One - Chorus Geo  
**MASTER** Modo + 7 modules accessory



**B-TICINO** Living Light Air

	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	SG100N30EBR	SG 1201	0,8	3 h	N/M	60		Li-FePO4 3,2V 0,55Ah
	SG100N30ABR	SG 1202	0,8	3 h	M	60	60	Li-FePO4 3,2V 0,55Ah
MOVIE	SG100N30MBR	SG 1701	0,8	3 h	MOVIE	60	12	Li-FePO4 3,2V 0,55Ah
CENTRAL BATTERY	SG100000IBS	SG 1901	0,8		L		60	

\* **Note:** the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. The SC MDL control module must be connected outside the fixture.

# Cometa



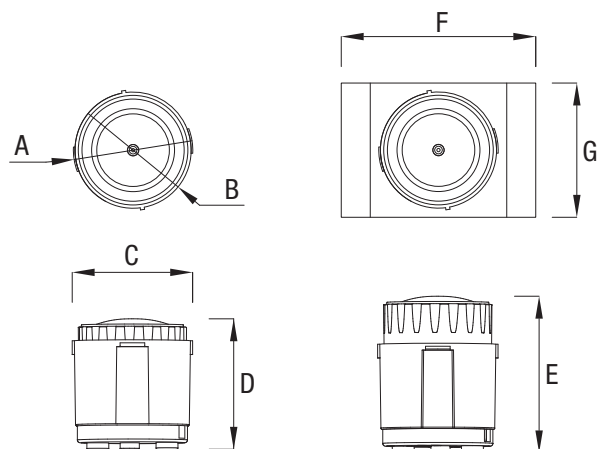
Removable and portable  
Compatible with most  
retail series available on the  
market  
2-in-1 modes of operation:  
N/M (non maintained) and  
floorpath illumination

CE IP40 PACK 40



## TECHNICAL FEATURES

- High-brightness LED
- Guarantees 2 hours duration with 12h recharge
- Power supply terminals protected with extracted torch
- On/off key on the back
- Anti-shoplifting screw
- Blue marker light
- Recessed on 503 boxes
- NI-MH rechargeable and replaceable battery
- Available in a 2 and 3 modules version
- Red indicator for incorrect insertion
- Adapter frames available in white, black and grey
- Compliant with European standards EN 60598-1, EN 60598-2-22

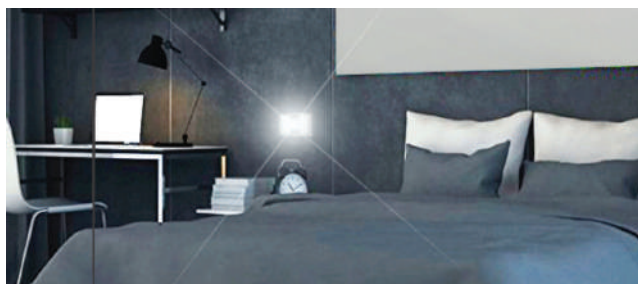


TORCH WITH SUPPORT - CLOSED

TORCH WITH SUPPORT - OPEN

A=44 mm B=42 mm C=44 mm D=48 mm  
E=57 mm F=71 mm G=49 mm

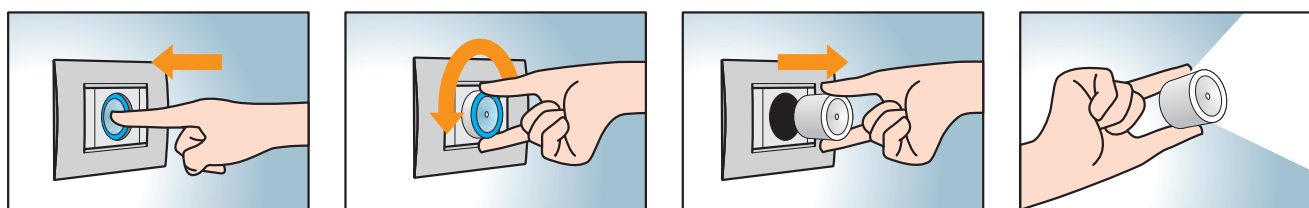
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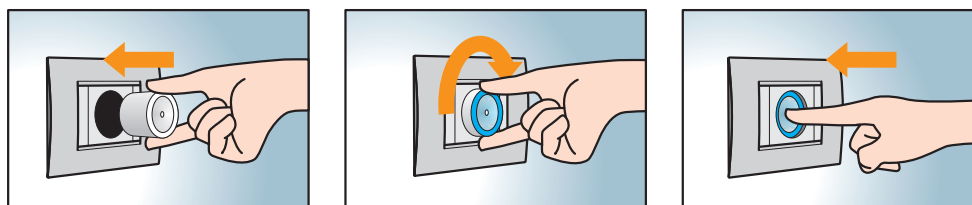
PLATES BRANDS AND MODELS	2 MODULES PLATES			3 MODULES PLATES		
	WHITE	GREY	BLACK	WHITE	GREY	BLACK
<b>B-TICINO</b> Matix	A 083			A 087		
<b>B-TICINO</b> Axolute - Axolute Air	A 084	A 070	A 060	A 088	A 073	A 063
<b>B-TICINO</b> Light - Living Light - Living Light Air	A 085	A 071	A 061	A 089	A 074	A 064
<b>VIMAR</b> Eikon - Eikon Evo - Plana - Arké	A 086	A 072	A 062	A 090	A 075	A 065
<b>GEWISS</b> Chorus	A 091	A 076	A 066	A 082	A 069	A 059

## PUSH & PULL SYSTEM

### EXTRACTION



### REINSERTION



	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
<b>INHIBIT</b>	CM01N20ABI	CM 1101		2 h	M*			Ni-MH 3,6V 40mAh

\* Circular blue Led stair light.




# K-Led



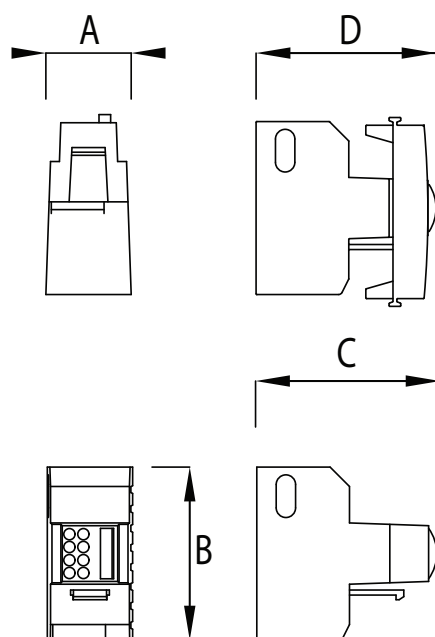
LED emergency device for  
recessed installation on  
1-module box

Ideal for residential use

CE  IP20  PACK 16

## TECHNICAL FEATURES

- Compatible with the main civil series by means of included adapters
- Recessed product with "keystone" fastener
- One space-saving module only
- 2 in 1 operation: n/m (not maintained) and step marker
- Consumption < 1 W
- 2-hour light autonomy
- Charging time of less than 3 hours
- It is installed on standard boxes of the electrical system
- Maintained or not maintained mode
- Ni-Mh rechargeable and replaceable battery
- Complies with european standards EN 60598-1, EN 60598-2-22



A=22 mm B=44,5 mm C=46 mm D=46 mm

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## EASY AND QUICK INSTALLATION



K-LED is extremely easy to install and can remain on for more than two hours.

## ADAPTERS INCLUDED



VIMAR  
ARKÈ



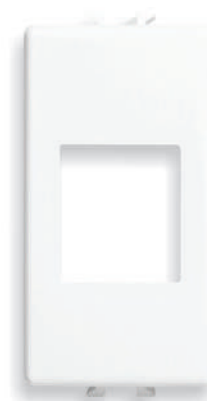
BTICINO LIVING  
LIGHT/INTERNATIONAL



BTICINO  
LIVING LIGHT

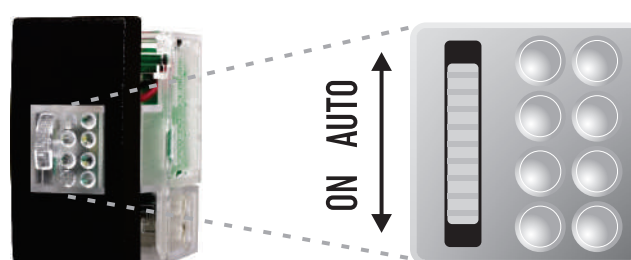
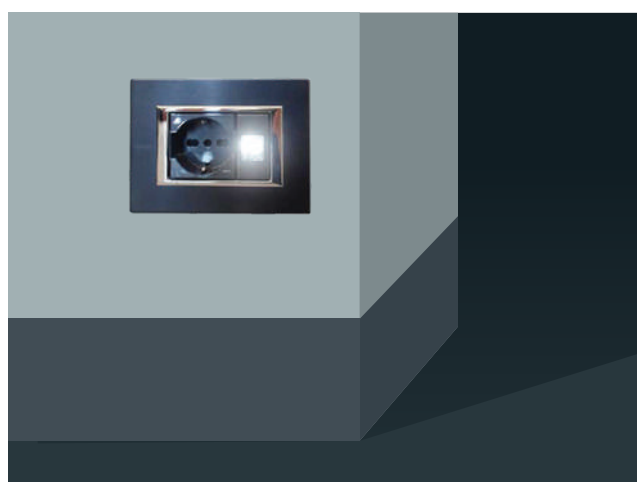


VIMAR  
PLANA



BTICINO  
MATIX

## POWERING MODE



**ON:** manual switch-on

**AUTO:** automatic light switch-on in case of power failure

	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
<b>STANDARD</b>	KL01N20ABS	KL 1001		2 h	M			Ni-MH 4,8V 80mAh

# Vialed Evo

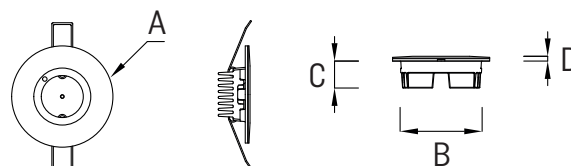


Studied for standard height applications  
New high-brightness LED  
High lighting performances  
Includes symmetrical and asymmetrical optics



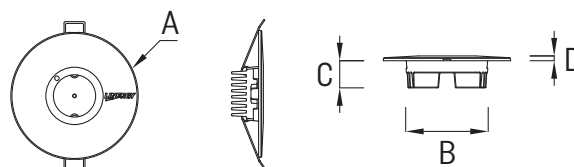
New model  
Ø 68 mm

## 68 mm DIAMETER



A=68 mm B=55 mm C=18 mm D=3 Ø foro 55 mm

## 85 mm DIAMETER



A=85 mm B=55 mm C=18 mm D=3 mm Ø hole 65 mm

## TECHNICAL FEATURES

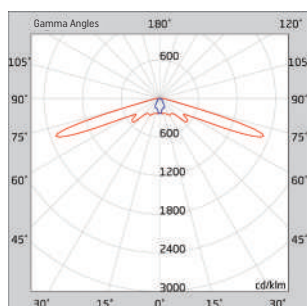
- High-brightness LED
- Patented optics
- Lens studied to optimise the luminous flux
- Recessed installation on false ceiling, ceiling installation with accessory kit
- Available in white or grey
- Compliant with European standards EN 60598-1, EN 60598-2-22

**Note:** For the complete dimensions of the electronic parts, consult [www.linergy.it](http://www.linergy.it).

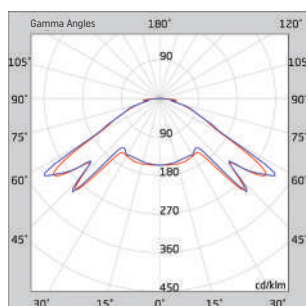
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## PHOTOMETRIC DIAGRAMS



ASYMMETRICAL



SYMMETRICAL

## ACCESSORIES



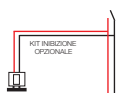
**VLTFS-B** - Kit for ceiling installation, white colour (190 x 190 x 43 mm). Compatible only with Ø 85 mm luminaires.



**VLTFS-G** - Kit for ceiling installation, grey color (190 x 190 x 43 mm). Compatible only with Ø 85 mm luminaires.



**VLTSEG** - It makes it possible to use the luminaire as a signalling device, kit of pictograms included. Visibility distance with pictogram = 22m. It must be used with the kit for ceiling installation.



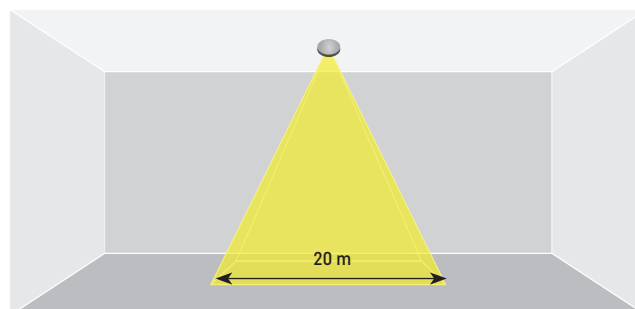
**KIT MSINIB** - Kit consisting of wires and connector to make an external Inhibition line. Only for codes type M with Rest Mode and Energy Test.



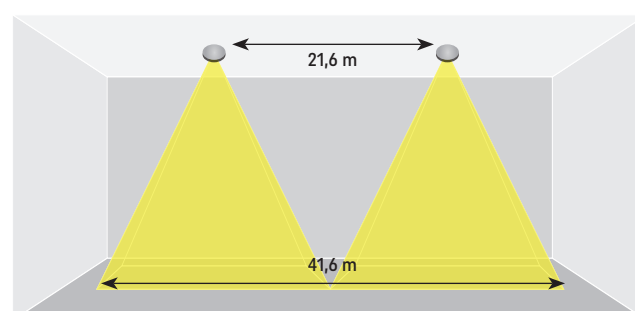
**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions.

ORDER CODE	SHORT CODE	DESCRIPTION
KITMSINIB	A 028	INHIBITION KIT
VLTFS-G	A 080	CLASP FOR CEILING FASTENING VIALED GREY
VLTFS-B	A 095	CLASP FOR CEILING FASTENING VIALED WHITE
VLTSEG	A 320	SIGNALING KIT
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

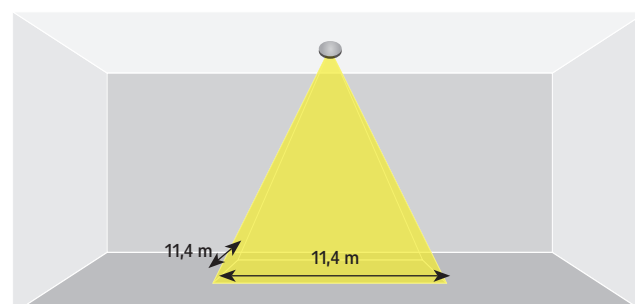
## LIGHTING PERFORMANCE UP TO 3 M



**ASYMMETRICAL** Individual installation  
Exit route illuminated with 1 lux

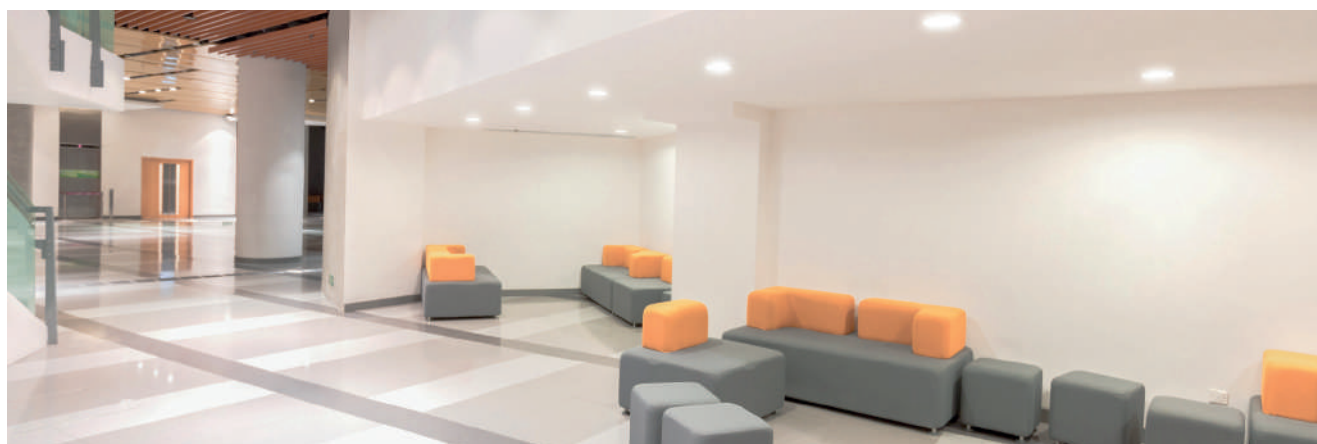


**ASYMMETRICAL** Multiple installation  
Exit route illuminated with 1 lux



**SYMMETRICAL** (surface covered 131 m<sup>2</sup>)  
Area illuminated with 0.5 lux

All values are calculated on the floor without reflections with VE03000IBS luminaire.







## WHITE COLOUR

Ø 85 mm	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	VE03N10EBR	VE 1201	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EBR	VE 1202	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10ABR	VE 1203	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30ABR	VE 1204	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
ENERGY TEST	VE03N10EBRT	VE 1301	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EBRT	VE 1302	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10ABRT	VE 1303	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30ABRT	VE 1304	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
SPY SYSTEM	VE03N10EBRC	VE 1501	0,8	1 h	N/M	340		Ni-MH 4,8V 2Ah
	VE03N30EBRC	VE 1502	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10ABRC	VE 1503	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30ABRC	VE 1504	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
SPY SYSTEM WIRELESS	VE03N10EBRW	VE 2401	0,9	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EBRW	VE 2402	0,9	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10ABRW	VE 2403	5,4	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30ABRW	VE 2404	5,4	3 h	M	360	360	Li-FePO4 6,4V 3Ah
DALI	VE03N10EBRD	VE 1601	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EBRD	VE 1602	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10ABRD	VE 1607	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30ABRD	VE 1608	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
	VE03000IBS-D	VE 1603	5,5		L		360	
CENTRAL BATTERY	VE03000IBS	VE 1901	4,5		L		360	
SPY CENTER	VE03000IBS-SC	VE 2001	4,5		L		360	
SPY CENTER 24	VE03000IBS-SC24	VE 2101	4,5		L		360	



## GRAY COLOUR

Ø 85 mm	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	VE03N10EGR	VE 1205	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EGR	VE 1206	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10AGR	VE 1207	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30AGR	VE 1208	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
ENERGY TEST	VE03N10EGRT	VE 1305	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EGRT	VE 1306	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10AGRT	VE 1307	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30AGRT	VE 1308	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
SPY SYSTEM	VE03N10EGRC	VE 1505	0,8	1 h	N/M	340		Ni-MH 4,8V 2Ah
	VE03N30EGRC	VE 1506	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10AGRC	VE 1507	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30AGRC	VE 1508	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
SPY SYSTEM WIRELESS	VE03N10EGRW	VE 2405	0,9	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EGRW	VE 2406	0,9	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10AGRW	VE 2407	5,4	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30AGRW	VE 2408	5,4	3 h	M	360	360	Li-FePO4 6,4V 3Ah
DALI	VE03N10EGRD	VE 1604	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EGRD	VE 1605	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10AGRD	VE 1609	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30AGRD	VE 1610	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
	VE03000IGS-D	VE 1606	5,5		L		360	
CENTRAL BATTERY	VE03000IGS	VE 1902	4,5		L		360	
SPY CENTER	VE03000IGS-SC	VE 2002	4,5		L		360	
SPY CENTER 24	VE03000IGS-SC24	VE 2102	4,5		L		360	



## WHITE COLOUR

Ø 68 mm	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	VE03N10EBR-68	VE 1209	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EBR-68	VE 1210	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10ABR-68	VE 1211	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30ABR-68	VE 1212	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
ENERGY TEST	VE03N10EBRT-68	VE 1309	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EBRT-68	VE 1310	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10ABRT-68	VE 1311	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30ABRT-68	VE 1312	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
SPY SYSTEM	VE03N10EBRC-68	VE 1509	0,8	1 h	N/M	340		Ni-MH 4,8V 2Ah
	VE03N30EBRC-68	VE 1510	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10ABRC-68	VE 1511	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30ABRC-68	VE 1512	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
SPY SYSTEM WIRELESS	VE03N10EBRW-68	VE 2409	0,9	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EBRW-68	VE 2410	0,9	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10ABRW-68	VE 2411	5,4	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30ABRW-68	VE 2412	5,4	3 h	M	360	360	Li-FePO4 6,4V 3Ah
DALI	VE03N10EBRD-68	VE 1611	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EBRD-68	VE 1612	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10ABRD-68	VE 1617	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30ABRD-68	VE 1618	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
	VE03000IBS-D-68	VE 1613	5,5		L		360	
CENTRAL BATTERY	VE03000IBS-68	VE 1903	4,5		L		360	
SPY CENTER	VE03000IBS-SC-68	VE 2003	4,5		L		360	
SPY CENTER 24	VE030IBS-SC24-68	VE 2103	4,5		L		360	



## GRAY COLOUR

Ø 68 mm	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	VE03N10EGR-68	VE 1213	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EGR-68	VE 1214	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10AGR-68	VE 1215	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30AGR-68	VE 1216	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
ENERGY TEST	VE03N10EGRT-68	VE 1313	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EGRT-68	VE 1314	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10AGRT-68	VE 1315	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30AGRT-68	VE 1316	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
SPY SYSTEM	VE03N10EGRC-68	VE 1513	0,8	1 h	N/M	340		Ni-MH 4,8V 2Ah
	VE03N30EGRC-68	VE 1514	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10AGRC-68	VE 1515	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30AGRC-68	VE 1516	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
SPY SYSTEM WIRELESS	VE03N10EGRW-68	VE 2413	0,9	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EGRW-68	VE 2414	0,9	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10AGR-68	VE 2415	5,4	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30AGR-68	VE 2416	5,4	3 h	M	360	360	Li-FePO4 6,4V 3Ah
DALI	VE03N10EGRD-68	VE 1614	0,8	1 h	N/M	340		Ni-Cd 4,8V 1,4Ah
	VE03N30EGRD-68	VE 1615	0,8	3 h	N/M	225		Ni-MH 4,8V 2Ah
	VE03F10AGRD-68	VE 1619	5,3	1 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VE03F30AGRD-68	VE 1620	5,3	3 h	M	360	360	Li-FePO4 6,4V 3Ah
	VE03000IGS-D-68	VE 1616	5,5		L		360	
CENTRAL BATTERY	VE03000IGS-68	VE 1904	4,5		L		360	
SPY CENTER	VE03000IGS-SC-68	VE 2004	4,5		L		360	
SPY CENTER 24	VE030IGS-SC24-68	VE 2104	4,5		L		360	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. uminous flux for symmetrical lens. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it). The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

# Vialed High

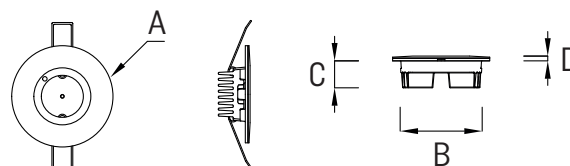


Studied for high ceilings applications (over 10m)  
New high-brightness LED  
High lighting performances  
Includes symmetrical and asymmetrical optics



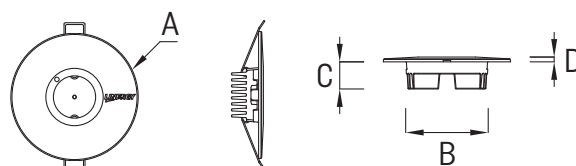
New model  
Ø 68 mm

## 68 mm DIAMETER



A=68 mm B=55 mm C=18 mm D=3 Ø foro 55 mm

## 85 mm DIAMETER



A=85 mm B=55 mm C=18 mm D=3 mm Ø hole 65 mm

## TECHNICAL FEATURES

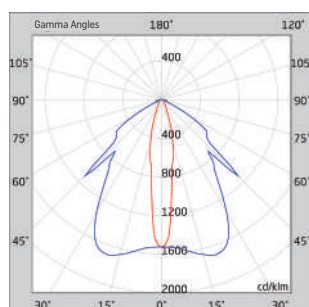
- High-brightness LED
- Lens studied to optimise the luminous flux
- Recessed installation on false ceiling, ceiling installation with accessory kit
- Available in white or grey
- Compliant with European standards EN 60598-1, EN 60598-2-22

**Note:** For the complete dimensions of the electronic parts, consult [www.linergy.it](http://www.linergy.it).

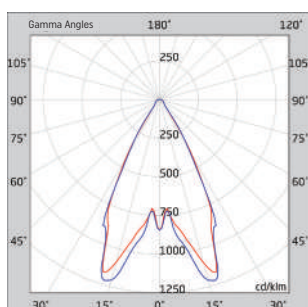
[support@linergy.it](mailto:support@linergy.it) | technical support (+39) 334 1133875



## PHOTOMETRIC DIAGRAMS



ASYMMETRICAL



SYMMETRICAL

## ACCESSORIES



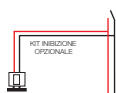
**VLKTFS-B** - Kit for ceiling installation, white colour (190 x 190 x 43 mm). Compatible only with Ø 85 mm luminaires.



**VLKTFS-G** - Kit for ceiling installation, gray colour (190 x 190 x 43 mm). Compatible only with Ø 85 mm luminaires.



**VLKTSEG** - It makes it possible to use the luminaire as a signalling device, kit of pictograms included. Visibility distance with pictogram = 22m. It must be used with the kit for ceiling installation.



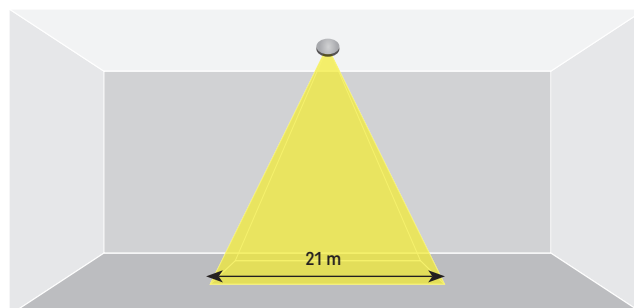
**KIT MSINIB** - Kit consisting of wires and connector to make an external Inhibition line. Only for codes type M with Rest Mode and Energy Test.



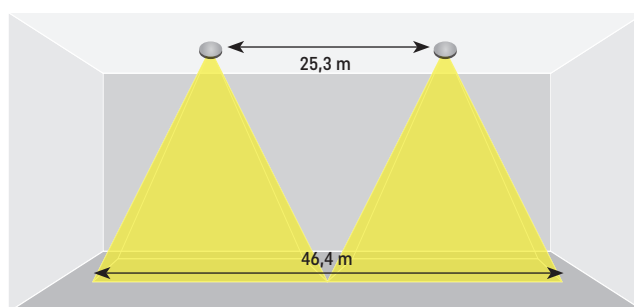
**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions.

ORDER CODE	SHORT CODE	DESCRIPTION
KITMSINIB	A 028	INHIBITION KIT
VLKTFS-G	A 080	CLASP FOR CEILING FASTENING VIALED GREY
VLKTFS-B	A 095	CLASP FOR CEILING FASTENING VIALED WHITE
VLKTSEG	A 320	SIGNALING KIT
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

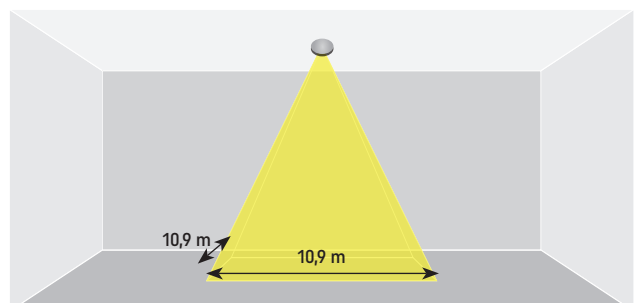
## LIGHTING PERFORMANCE UP TO 10 M



**ASYMMETRICAL** Individual installation  
Exit route illuminated with 1 lux



**ASYMMETRICAL** Multiple installation  
Exit route illuminated with 1 lux



**SYMMETRICAL** (surface covered 119 m<sup>2</sup>)  
Area illuminated with 0.5 lux

All values are calculated on the floor without reflections with VH03000IBS luminaire.





## WHITE COLOR

Ø 85 mm	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	VH03N10EBR	VH 1201	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EBR	VH 1202	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10ABR	VH 1203	5,3	1 h	M	355	355	Li-FePO4 6,4V 1,5Ah
	VH03F30ABR	VH 1204	5,3	3 h	M	355	355	Li-FePO4 6,4V 3Ah
ENERGY TEST	VH03N10EBRT	VH 1301	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EBRT	VH 1302	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10ABRT	VH 1303	5,3	1 h	M	355	355	Li-FePO4 6,4V 1,5Ah
	VH03F30ABRT	VH 1304	5,3	3 h	M	355	355	Li-FePO4 6,4V 3Ah
SPY SYSTEM	VH03N10EBRC	VH 1501	0,8	1 h	N/M	370		Ni-MH 4,8V 2Ah
	VH03N30EBRC	VH 1502	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10ABRC	VH 1503	5,3	1 h	M	355	355	Li-FePO4 6,4V 1,5Ah
	VH03F30ABRC	VH 1504	5,3	3 h	M	355	355	Li-FePO4 6,4V 3Ah
SPY SYSTEM WIRELESS	VH03N10EBRW	VH 2401	0,9	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EBRW	VH 2402	0,9	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10ABRW	VH 2403	5,4	1 h	M	355	355	Li-FePO4 6,4V 1,5Ah
	VH03F30ABRW	VH 2404	5,4	3 h	M	355	355	Li-FePO4 6,4V 3Ah
DALI	VH03N10EBRD	VH 1601	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EBRD	VH 1602	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10ABRD	VH 1607	5,3	1 h	M	355	355	Li-FePO4 6,4V 1,5Ah
	VH03F30ABRD	VH 1608	5,3	3 h	M	355	355	Li-FePO4 6,4V 3Ah
	VH03000IBS-D	VH 1603	5,5		L		355	
CENTRAL BATTERY	VH03000IBS	VH 1901	4,5		L		355	
SPY CENTER	VH03000IBS-SC	VH 2001	4,5		L		355	
SPY CENTER 24	VH03000IBS-SC24	VH 2101	4,5		L		355	



## GRAY COLOUR

Ø 85 mm	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	VH03N10EGR	VH 1205	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EGR	VH 1206	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10AGR	VH 1207	5,3	1 h	M	355	355	Li-FePO4 6,4V 1,5Ah
	VH03F30AGR	VH 1208	5,3	3 h	M	355	355	Li-FePO4 6,4V 3Ah
ENERGY TEST	VH03N10EGRT	VH 1305	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EGRT	VH 1306	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10AGRT	VH 1307	5,3	1 h	M	355	355	Li-FePO4 6,4V 1,5Ah
	VH03F30AGRT	VH 1308	5,3	3 h	M	355	355	Li-FePO4 6,4V 3Ah
SPY SYSTEM	VH03N10EGRC	VH 1505	0,8	1 h	N/M	370		Ni-MH 4,8V 2Ah
	VH03N30EGRC	VH 1506	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10AGRC	VH 1507	5,3	1 h	M	355	355	Li-FePO4 6,4V 1,5Ah
	VH03F30AGRC	VH 1508	5,3	3 h	M	355	355	Li-FePO4 6,4V 3Ah
SPY SYSTEM WIRELESS	VH03N10EGRW	VH 2405	0,9	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EGRW	VH 2406	0,9	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10AGRW	VH 2407	5,4	1 h	M	355	355	Li-FePO4 6,4V 1,5Ah
	VH03F30AGRW	VH 2408	5,4	3 h	M	355	355	Li-FePO4 6,4V 3Ah
DALI	VH03N10EGRD	VH 1604	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EGRD	VH 1605	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10AGRD	VH 1609	5,3	1 h	M	355	355	Li-FePO4 6,4V 1,5Ah
	VH03F30AGRD	VH 1610	5,3	3 h	M	355	355	Li-FePO4 6,4V 3Ah
	VH03000IGS-D	VH 1606	5,5		L		355	
CENTRAL BATTERY	VH03000IGS	VH 1902	4,5		L		355	
SPY CENTER	VH03000IGS-SC	VH 2002	4,5		L		355	
SPY CENTER 24	VH03000IGS-SC24	VH 2102	4,5		L		355	





## WHITE COLOR

Ø 68 mm	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	VH03N10EBR-68	VH 1209	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EBR-68	VH 1210	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10ABR-68	VH 1211	5,3	1 h	M	355	355	Li-FeP04 6,4V 1,5Ah
	VH03F30ABR-68	VH 1212	5,3	3 h	M	355	355	Li-FeP04 6,4V 3Ah
ENERGY TEST	VH03N10EBRT-68	VH 1309	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EBRT-68	VH 1310	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10ABRT-68	VH 1311	5,3	1 h	M	355	355	Li-FeP04 6,4V 1,5Ah
	VH03F30ABRT-68	VH 1312	5,3	3 h	M	355	355	Li-FeP04 6,4V 3Ah
SPY SYSTEM	VH03N10EBRC-68	VH 1509	0,8	1 h	N/M	370		Ni-MH 4,8V 2Ah
	VH03N30EBRC-68	VH 1510	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10ABRC-68	VH 1511	5,3	1 h	M	355	355	Li-FeP04 6,4V 1,5Ah
	VH03F30ABRC-68	VH 1512	5,3	3 h	M	355	355	Li-FeP04 6,4V 3Ah
SPY SYSTEM WIRELESS	VH03N10EBRW-68	VH 2409	0,9	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EBRW-68	VH 2410	0,9	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10ABRW-68	VH 2411	5,4	1 h	M	355	355	Li-FeP04 6,4V 1,5Ah
	VH03F30ABRW-68	VH 2412	5,4	3 h	M	355	355	Li-FeP04 6,4V 3Ah
DALI	VH03N10EBRD-68	VH 1611	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EBRD-68	VH 1612	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10ABRD-68	VH 1617	5,3	1 h	M	355	355	Li-FeP04 6,4V 1,5Ah
	VH03F30ABRD-68	VH 1618	5,3	3 h	M	355	355	Li-FeP04 6,4V 3Ah
	VH03000IBS-D-68	VH 1613	5,5		L		355	
CENTRAL BATTERY	VH03000IBS-68	VH 1903	4,5		L		355	
SPY CENTER	VH03000IBS-SC-68	VH 2003	4,5		L		355	
SPY CENTER 24	VH030IBS-SC24-68	VH 2103	4,5		L		355	



## GRAY COLOUR

Ø 68 mm	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	VH03N10EGR-68	VH 1213	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EGR-68	VH 1214	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10AGR-68	VH 1215	5,3	1 h	M	355	355	Li-FeP04 6,4V 1,5Ah
	VH03F30AGR-68	VH 1216	5,3	3 h	M	355	355	Li-FeP04 6,4V 3Ah
ENERGY TEST	VH03N10EGRT-68	VH 1313	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EGRT-68	VH 1314	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10AGRT-68	VH 1315	5,3	1 h	M	355	355	Li-FeP04 6,4V 1,5Ah
	VH03F30AGRT-68	VH 1316	5,3	3 h	M	355	355	Li-FeP04 6,4V 3Ah
SPY SYSTEM	VH03N10EGRC-68	VH 1513	0,8	1 h	N/M	370		Ni-MH 4,8V 2Ah
	VH03N30EGRC-68	VH 1514	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10AGRC-68	VH 1515	5,3	1 h	M	355	355	Li-FeP04 6,4V 1,5Ah
	VH03F30AGRC-68	VH 1516	5,3	3 h	M	355	355	Li-FeP04 6,4V 3Ah
SPY SYSTEM WIRELESS	VH03N10EGRW-68	VH 2413	0,9	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EGRW-68	VH 2414	0,9	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10AGRW-68	VH 2415	5,4	1 h	M	355	355	Li-FeP04 6,4V 1,5Ah
	VH03F30AGRW-68	VH 2416	5,4	3 h	M	355	355	Li-FeP04 6,4V 3Ah
DALI	VH03N10EGRD-68	VH 1614	0,8	1 h	N/M	370		Ni-Cd 4,8V 1,4Ah
	VH03N30EGRD-68	VH 1615	0,8	3 h	N/M	220		Ni-MH 4,8V 2Ah
	VH03F10AGRD-68	VH 1619	5,3	1 h	M	355	355	Li-FeP04 6,4V 1,5Ah
	VH03F30AGRD-68	VH 1620	5,3	3 h	M	355	355	Li-FeP04 6,4V 3Ah
	VH03000IGS-D-68	VH 1616	5,5		L		355	
CENTRAL BATTERY	VH03000IGS-68	VH 1904	4,5		L		355	
SPY CENTER	VH03000IGS-SC-68	VH 2004	4,5		L		355	
SPY CENTER 24	VH030IGS-SC24-68	VH 2104	4,5		L		355	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it). The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

# Vialed Evo Minibox



Vialed Evo ceiling version  
without battery

Studied for standard height  
applications

New high-brightness LED

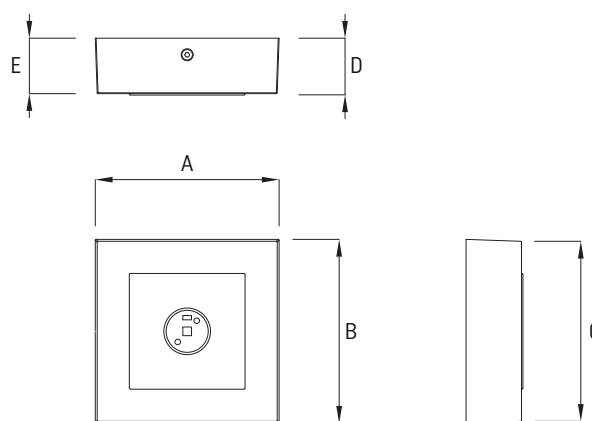
High lighting performances

Includes symmetrical and  
asymmetrical optics



## TECHNICAL FEATURES

- High-brightness LED
- Patented optics
- Lens studied to optimise the luminous flux
- Ceiling installation
- Available in white
- Compliant with European standards EN 60598-1, EN 60598-2-22



A=130 mm B=130 mm C=125 mm  
D=40 mm E=39 mm

	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
CENTRAL BATTERY	VB03000IBS	VB 1901	4,5		L		360	
SPY CENTER	VB03000IBS-SC	VB 2001	4,5		L		360	
SPY CENTER 24	VB03000IBS-SC24	VB 2101	4,5		L		360	

\* **Nota:** the power (expressed in W) absorbed by the appliance is intended when the battery is charged. Luminous flux for symmetrical lens. T. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tabelle con le distanze di installazione disponibili sul sito [www.linergy.it](http://www.linergy.it). The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51.

# Vialed High Minibox



Vialed High ceiling version  
without battery

Studied for high ceilings  
applications (over 10m)

New high-brightness LED

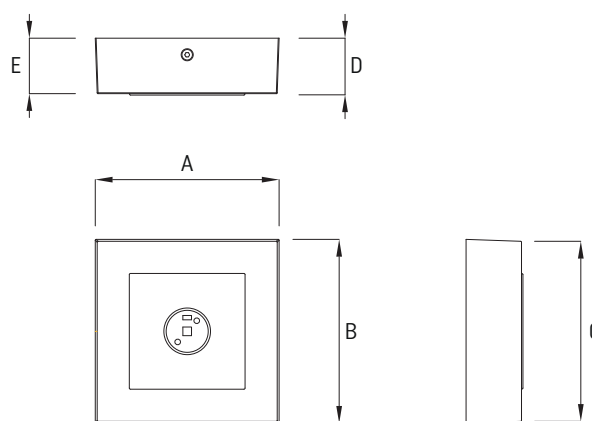
High lighting performances

Includes symmetrical and  
asymmetrical optics



## TECHNICAL FEATURES

- High-brightness LED
- Lens studied to optimise the luminous flux
- Ceiling installation
- Available in white
- Compliant with European standards EN 60598-1, EN 60598-2-22



A=130 mm B=130 mm C=125 mm  
D=40 mm E=39 mm

	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
CENTRAL BATTERY	VF03000IBS	VF 1901	4,5		L		355	
SPY CENTER	VF03000IBS-SC	VF 2001	4,5		L		355	
SPY CENTER 24	VF03000IBS-SC24	VF 2101	4,5		L		355	

\* Nota: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tabelle con le distanze di installazione disponibili sul sito [www.linergy.it](http://www.linergy.it). The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51.

# Vialed IP65



2 LEDs for an even higher luminous flux

Metal gear in white or grey color

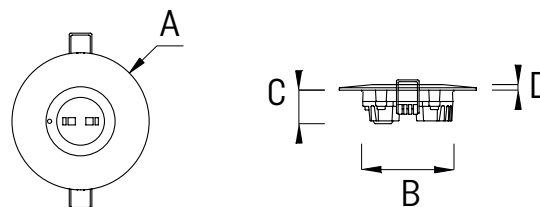
Includes symmetrical and asymmetrical optics



Double light source

## TECHNICAL FEATURES

- 2 LEDs with the highest light efficiency
- Patented optics
- Colour temperature 4000K
- Recessed installation in the false ceiling
- Available in white or grey
- Compliant with European standards EN 60598-1, EN 60598-2-22

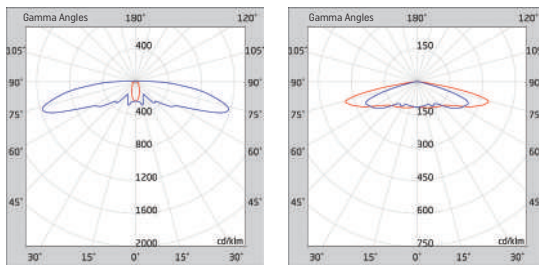


A=85mm B=55mm C=18mm D=3,2mm Ø hole = 65mm

**Note:** For the complete dimensions of the electronic parts, consult [www.linergy.it](http://www.linergy.it).

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## PHOTOMETRIC DIAGRAMS



ASYMMETRICAL

SYMMETRICAL

## ACCESSORIES



**VLKTF5-B - VLKTF5-G** - Kit for ceiling installation available in white and grey (190 x 190 x 43 mm)



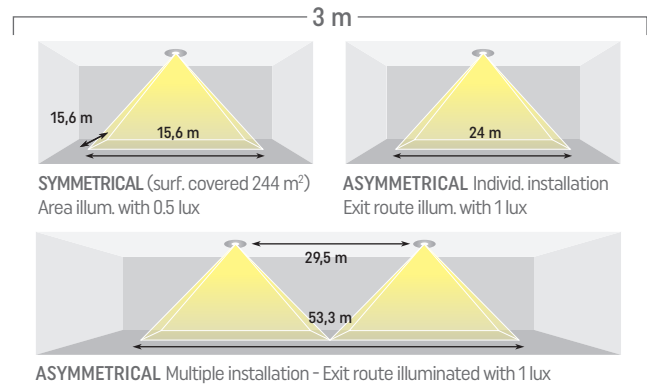
**VAKTF5-B - VAKTF5-G** - Kit IP65 for ceiling installation available in white and grey (190 x 190 x 43 mm)



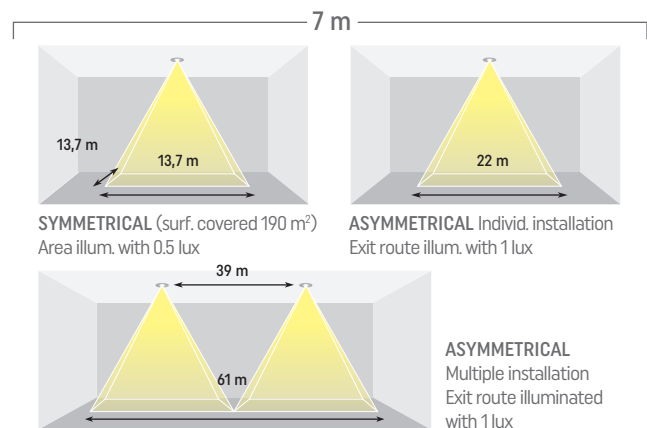
**VLKTSEG** - It makes it possible to use the luminaire as a signalling device, kit of pictograms included. Visibility distance with pictogram = 22m. It must be used with the kit for ceiling installation.

ORDER CODE	SHORT CODE	DESCRIPTION
KITMSINIB	A 028	INHIBITION KIT
VLKTF5-G	A 080	CLASP FOR CEILING FASTENING VIALED GREY
VLKTF5-B	A 095	CLASP FOR CEILING FASTENING VIALED WHITE
VAKTF5-B	A 306	CLASP FOR CEILING FASTENING VIALED WHITE IP65
VAKTF5-G	A 307	CLASP FOR CEILING FASTENING VIALED GREY IP65
VLKTSEG	A 320	SIGNALING KIT
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

## LIGHTING PERFORMANCE UP TO 3 M AND 7 M



ASYMMETRICAL Multiple installation - Exit route illuminated with 1 lux



ASYMMETRICAL Multiple installation Exit route illuminated with 1 lux

All values are calculated on the floor without reflections.

## WHITE COLOUR

	ORDER CODE	SHORT CODE	CONS.* (W)	DURAT.	TYPE N/M - M - L	AV. FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	VA03F20EBR	VA 1201	1	2 h	N/M	580		Li-FePO4 9,6V 1,5Ah
	VA03F30EBR	VA 1202	1	3 h	N/M	580		Li-FePO4 9,6V 3Ah
	VA03F20ABR	VA 1203	7,8	2 h	M	580	580	Li-FePO4 9,6V 1,5Ah
	VA03F30ABR	VA 1204	7,8	3 h	M	580	580	Li-FePO4 9,6V 3Ah
ENERGY TEST	VA03F20EBRT	VA 1301	1	2 h	N/M	580		Li-FePO4 9,6V 1,5Ah
	VA03F30EBRT	VA 1302	1	3 h	N/M	580		Li-FePO4 9,6V 3Ah
	VA03F20ABRT	VA 1303	7,8	2 h	M	580	580	Li-FePO4 9,6V 1,5Ah
	VA03F30ABRT	VA 1304	7,8	3 h	M	580	580	Li-FePO4 9,6V 3Ah
SPY SYSTEM	VA03F20EBRC	VA 1501	1	2 h	N/M	580		Li-FePO4 9,6V 1,5Ah
	VA03F30EBRC	VA 1502	1	3 h	N/M	580		Li-FePO4 9,6V 3Ah
	VA03F20ABRC	VA 1503	7,8	2 h	M	580	580	Li-FePO4 9,6V 1,5Ah
	VA03F30ABRC	VA 1504	7,8	3 h	M	580	580	Li-FePO4 9,6V 3Ah
SPY SYSTEM WIRELESS	VA03F20EBRW	VA 2401	1,1	2 h	N/M	580		Li-FePO4 9,6V 1,5Ah
	VA03F30EBRW	VA 2402	1,1	3 h	N/M	580		Li-FePO4 9,6V 3Ah
	VA03F20ABRW	VA 2403	7,9	2 h	M	580	580	Li-FePO4 9,6V 1,5Ah
	VA03F30ABRW	VA 2404	7,9	3 h	M	580	580	Li-FePO4 9,6V 3Ah
DALI	VA03F20EBRD	VA 1601	1	2 h	N/M	580		Li-FePO4 9,6V 1,5Ah
	VA03F30EBRD	VA 1602	1	3 h	N/M	580		Li-FePO4 9,6V 3Ah
	VA03F20ABRD	VA 1603	7,9	2 h	M	580	580	Li-FePO4 9,6V 1,5Ah
	VA03F30ABRD	VA 1604	7,9	3 h	M	580	580	Li-FePO4 9,6V 3Ah
	VA03000IBS-D	VA 1605	5,4		L		580	
CENTRAL BATTERY	VA03000IBS	VA 1901	5,4		L		580	
SPY CENTER	VA03000IBS-SC	VA 2001	5,4		L		580	
SPY CENTER 24	VA03000IBS-SC24	VA 2101	6		L		580	

## GREY COLOUR

	ORDER CODE	SHORT CODE	CONS.* (W)	DURAT.	TYPE N/M - M - L	AV. FLUX N/M (lm)	FLUX M (lm)	BATTERY
	VA03F20EGR	VA 1205	1	2 h	N/M	580		Li-FePO4 9,6V 1,5Ah
	VA03F30EGR	VA 1206	1	3 h	N/M	580		Li-FePO4 9,6V 3Ah
	VA03F20AGR	VA 1207	7,8	2 h	M	580	580	Li-FePO4 9,6V 1,5Ah
	VA03F30AGR	VA 1208	7,8	3 h	M	580	580	Li-FePO4 9,6V 3Ah
	VA03F20EGRT	VA 1305	1	2 h	N/M	580		Li-FePO4 9,6V 1,5Ah
	VA03F30EGRT	VA 1306	1	3 h	N/M	580		Li-FePO4 9,6V 3Ah
	VA03F20AGRT	VA 1307	7,8	2 h	M	580	580	Li-FePO4 9,6V 1,5Ah
	VA03F30AGRT	VA 1308	7,8	3 h	M	580	580	Li-FePO4 9,6V 3Ah
	VA03F20EGRC	VA 1505	1	2 h	N/M	580		Li-FePO4 9,6V 1,5Ah
	VA03F30EGRC	VA 1506	1	3 h	N/M	580		Li-FePO4 9,6V 3Ah
	VA03F20AGRC	VA 1507	7,8	2 h	M	580	580	Li-FePO4 9,6V 1,5Ah
	VA03F30AGRC	VA 1508	7,8	3 h	M	580	580	Li-FePO4 9,6V 3Ah
	VA03F20EGRW	VA 2405	1,1	2 h	N/M	580		Li-FePO4 9,6V 1,5Ah
	VA03F30EGRW	VA 2406	1,1	3 h	N/M	580		Li-FePO4 9,6V 3Ah
	VA03F20AGRW	VA 2407	7,9	2 h	M	580	580	Li-FePO4 9,6V 1,5Ah
	VA03F30AGRW	VA 2408	7,9	3 h	M	580	580	Li-FePO4 9,6V 3Ah
	VA03F20EGRD	VA 1606	1	2 h	N/M	580		Li-FePO4 9,6V 1,5Ah
	VA03F30EGRD	VA 1607	1	3 h	N/M	580		Li-FePO4 9,6V 3Ah
	VA03F20AGRD	VA 1608	7,9	2 h	M	580	580	Li-FePO4 9,6V 1,5Ah
	VA03F30AGRD	VA 1609	7,9	3 h	M	580	580	Li-FePO4 9,6V 3Ah
	VA03000IGS-D	VA 1610	5,4		L		580	
	VA03000IGS	VA 1902	5,4		L		580	
	VA03000IGS-SC	VA 2002	5,4		L		580	
	VA03000IGS-SC24	VA 2102	6		L		580	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. Luminous flux for asymmetrical lens. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linery.it](http://www.linery.it). The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51



# Vialed Wall



New high-brightness LED  
Aluminum casing  
Wall mount applications  
Light source can be  
angled at 0°, 10°, or 20°  
Includes symmetrical  
and asymmetrical optics



Light source  
at 0°



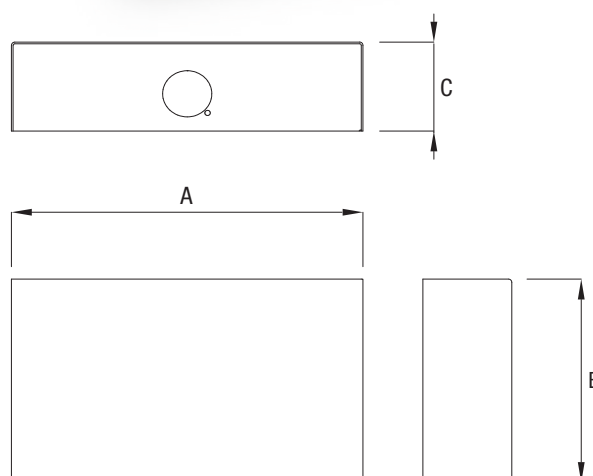
Light source  
at 10°



Light source  
at 20°



Also available  
in white colour



A=207 mm B=120 mm C=52 mm

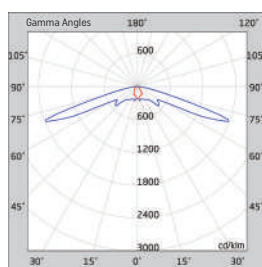
## TECHNICAL FEATURES

- High-brightness LED
- Patented optics
- Lens studied to optimise the luminous flux
- Maximum battery charge time of 12h
- Compliant with European standards EN 60598-1, EN 60598-2-22

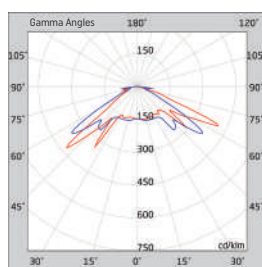
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## PHOTOMETRIC DIAGRAMS

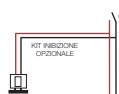


ASYMMETRICAL 10°



SYMMETRICAL 10°

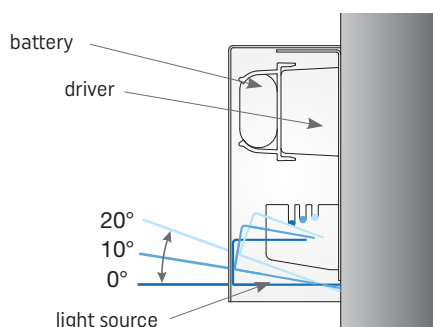
## ACCESSORIES



**KIT MSINIB** - Kit consisting of wires and connector to make an external Inhibition line. Only for codes type M with Rest Mode and Energy Test.

ORDER CODE	SHORT CODE	DESCRIPTION
KITMSINIB	A 028	INHIBITION KIT
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

## LIGHTING SOURCE INCLINATION

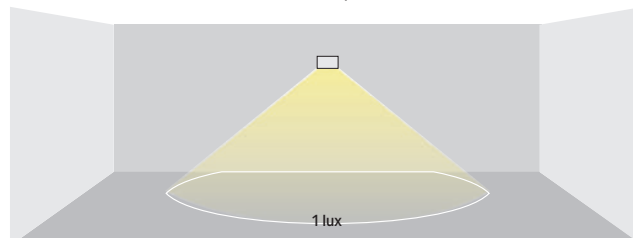


	WHITE COLOUR									GREY COLOUR							
	ORDER CODE	SHORT CODE	CONSUM.* (W)	DURAT.	TYPE N/M - M - L	AV. FLUX N/M (lm)	FLUX M (lm)	BATTERY		ORDER CODE	SHORT CODE	CONSUM.* (W)	DURAT.	TYPE N/M - M - L	AV. FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	VW03N20EBR	VW 1201	0,8	2 h	N/M	300		Ni-MH 4,8V 2Ah		VW03N20EGR	VW 1202	0,8	2 h	N/M	300		Ni-MH 4,8V 2Ah
	VW03F20ABR	VW 1203	5,3	2 h	M	340	340	Li-FePO4 6,4V 1,5Ah		VW03F20AGR	VW 1204	5,3	2 h	M	340	340	Li-FePO4 6,4V 1,5Ah
ENERGY TEST	VW03N20EBRT	VW 1301	0,8	2 h	N/M	300		Ni-MH 4,8V 2Ah		VW03N20EGRT	VW 1302	0,8	2 h	N/M	300		Ni-MH 4,8V 2Ah
	VW03F20ABRT	VW 1303	5,3	2 h	M	340	340	Li-FePO4 6,4V 1,5Ah		VW03F20AGRT	VW 1304	5,3	2 h	M	340	340	Li-FePO4 6,4V 1,5Ah
SPY SYSTEM	VW03N20EBRC	VW 1501	0,8	2 h	N/M	300		Ni-MH 4,8V 2Ah		VW03N20EGRC	VW 1502	0,8	2 h	N/M	300		Ni-MH 4,8V 2Ah
	VW03F20ABRC	VW 1503	5,3	2 h	M	340	340	Li-FePO4 6,4V 1,5Ah		VW03F20AGRC	VW 1504	5,3	2 h	M	340	340	Li-FePO4 6,4V 1,5Ah
SPY SYSTEM WIRELESS	VW03N20EBRW	VW 2401	0,9	2 h	N/M	300		Ni-MH 4,8V 2Ah		VW03N20EGRW	VW 2403	0,9	2 h	N/M	300		Ni-MH 4,8V 2Ah
	VW03F20ABRW	VW 2402	5,4	2 h	M	340	340	Li-FePO4 6,4V 1,5Ah		VW03F20AGRW	VW 2404	5,4	2 h	M	340	340	Li-FePO4 6,4V 1,5Ah
DALI	VW03N20EBRD	VW 1601	0,8	2 h	N/M	300		Ni-MH 4,8V 2Ah		VW03N20EGRD	VW 1603	0,8	2 h	N/M	300		Ni-MH 4,8V 2Ah
	VW03F20ABRD	VW 1605	5,3	2 h	M	340	340	Li-FePO4 6,4V 1,5Ah		VW03F20AGRD	VW 1606	5,3	2 h	M	340	340	Li-FePO4 6,4V 1,5Ah
	VW03000IBS-D	VW 1602	5,5		L		340			VW03000IGS-D	VW 1604	5,5		L		340	
CENTRAL BATTERY	VW03000IBS	VW 1901	4,5		L		340			VW03000IGS	VW 1902	4,5		L		340	
SPY CENTER	VW03000IBS-SC	VW 2001	4,5		L		340			VW03000IGS-SC	VW 2002	4,5		L		340	
SPY CENTER 24	VW03000IBS-SC24	VW 2101	4,5		L		340			VW03000IGS-SC24	VW 2102	4,5		L		340	

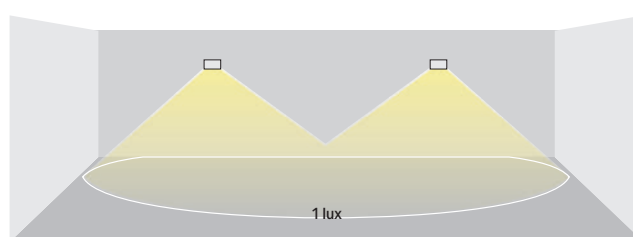
\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. Luminous flux for symmetrical lens with 10° inclination. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

## LIGHTING PERFORMANCE

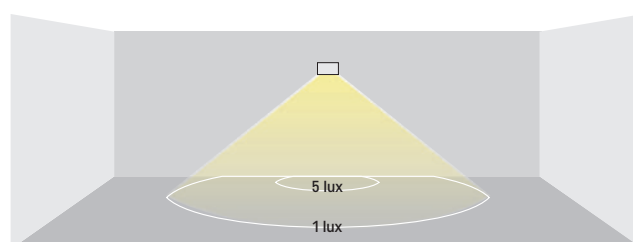
**ASYMMETRICAL** Individual installation (escape routes)  
Maximum distance covered: 18,2 m > 1 lx



**ASYMMETRICAL** Multiple installation (escape routes)  
Maximum distance covered: 36,6 m > 1 lx



**SYMMETRICAL** Individual installation (emergency exits, stairs, first aid areas, fire-fighting equipment, etc.)  
Maximum distance covered: 10,9 m > 1 lx



Mounting height 2.5 m. Values calculated on floors without reflections with VW03000IBS luminaire and 20° inclination.

# Vialed Tube



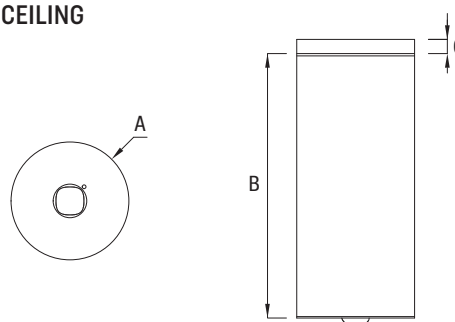
Available with lenses for  
standard or high ceilings  
New high-brightness LED  
High lighting performances  
Aluminum casing  
Symmetrical and asymmetrical  
lenses included



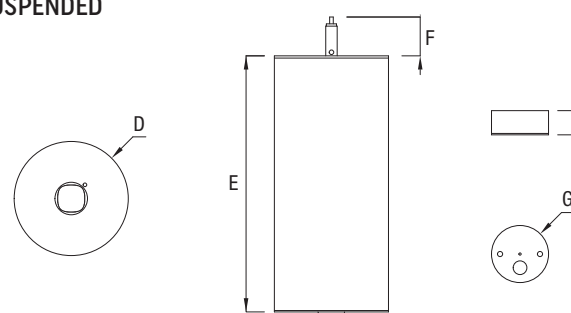
## TECHNICAL FEATURES

- High-efficiency lighting LED
- Patented optics
- Lens studied to optimise the luminous flux
- Ceiling and suspended installation with accessory kit
- Maximum battery charge time of 12h
- Compliant with European standards EN 60598-1, EN 60598-2-22

### CEILING



### SUSPENDED

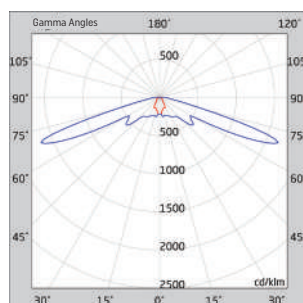


A=100 mm B=225 mm C=12 mm  
D=100 mm E=225 mm F=34 mm G=50 mm H=21 mm

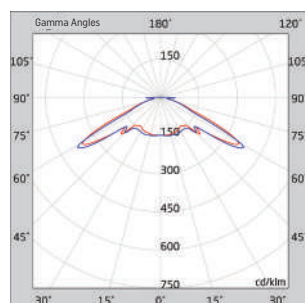
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## PHOTOMETRIC DIAGRAMS

## STANDARD LENSES

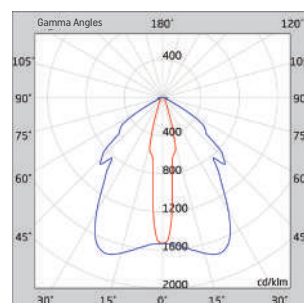


ASYMMETRICAL

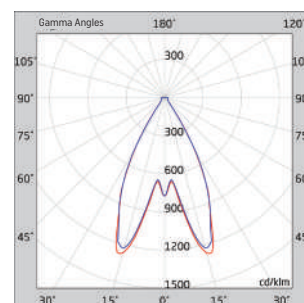


SYMMETRICAL

## LARGE HEIGHT LENSES

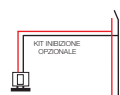


ASYMMETRICAL



SYMMETRICAL

## ACCESSORIES



**KIT MSINIB** - Kit consisting of wires and connector to make an external Inhibition line. Only for codes type M with Rest Mode and Energy Test.



**VTKTSOS** - Kit for suspension installation Viald Tube.



**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions.

ORDER CODE	SHORT CODE	DESCRIPTION
KITMSINIB	A 028	INHIBITION KIT
VTKTSOS	A 058	KIT FOR SUSPENSION INSTALLATION VIALED TUBE
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

## STANDARD LENSES

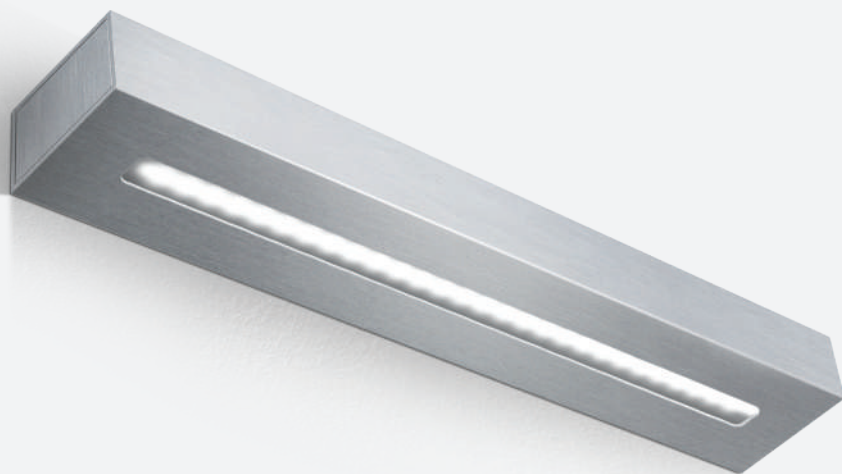
	ORDER CODE	SHORT CODE	CONSUM.* (W)	DURAT.	TYPE N/M - M - L	AV. FLUX N/M (lm)	FLUX M (lm)	BATTERY
REST MODE	VT03N20EGR	VT 1201	0,8	2 h	N/M	295		Ni-MH 4,8V 2Ah
	VT03F20AGR	VT 1202	5,3	2 h	M	360	360	Li-FePO4 6,4V 1,5Ah
ENERGY TEST	VT03N20EGRT	VT 1301	0,8	2 h	N/M	295		Ni-MH 4,8V 2Ah
	VT03F20AGRT	VT 1302	5,3	2 h	M	360	360	Li-FePO4 6,4V 1,5Ah
SPY SYSTEM	VT03N20EGRC	VT 1501	0,8	2 h	N/M	295		Ni-MH 4,8V 1,4Ah
	VT03F20AGRC	VT 1502	5,3	2 h	M	360	360	Li-FePO4 6,4V 1,5Ah
SPY SYSTEM WIRELESS	VT03N20EGRW	VT 2401	0,9	2 h	N/M	295		Ni-MH 4,8V 2Ah
	VT03F20AGRW	VT 2402	5,4	2 h	M	360	360	Li-FePO4 6,4V 1,5Ah
DALI	VT03N20EGRD	VT 1601	0,8	2 h	N/M	295		Ni-MH 4,8V 2Ah
	VT03F20AGRD	VT 1603	5,3	2 h	M	360	360	Li-FePO4 6,4V 1,5Ah
	VT03000IGS-D	VT 1602	5,5		L		360	
CENTRAL BATTERY	VT03000IGS	VT 1901	4,5		L		360	
SPY CENTER	VT03000IGS-SC	VT 2001	4,5		L		360	
SPY CENTER 24	VT03000IGS-SC24	VT 2101	4,5		L		360	

## LARGE HEIGHT LENSES

	ORDER CODE	SHORT CODE	CONSUM.* (W)	DURAT.	TYPE N/M - M - L	AV. FLUX N/M (lm)	FLUX M (lm)	BATTERY
	VU03N20EGR	VU 1201	0,8	2 h	N/M	305		Ni-MH 4,8V 2Ah
	VU03F20AGR	VU 1202	5,3	2 h	M	365	365	Li-FePO4 6,4V 1,5Ah
	VU03N20EGRT	VU 1301	0,8	2 h	N/M	305		Ni-MH 4,8V 2Ah
	VU03F20AGRT	VU 1302	5,3	2 h	M	365	365	Li-FePO4 6,4V 1,5Ah
	VU03N20EGRC	VU 1501	0,8	2 h	N/M	305		Ni-MH 4,8V 2Ah
	VU03F20AGRC	VU 1502	5,3	2 h	M	365	365	Li-FePO4 6,4V 1,5Ah
	VU03N20EGRW	VU 2401	0,9	2 h	N/M	305		Ni-MH 4,8V 2Ah
	VU03F20AGRW	VU 2402	5,4	2 h	M	365	365	Li-FePO4 6,4V 1,5Ah
	VU03N20EGRD	VU 1601	0,8	2 h	N/M	305		Ni-MH 4,8V 2Ah
	VU03F20AGRD	VU 1603	5,3	2 h	M	365	365	Li-FePO4 6,4V 1,5Ah
	VU03000IGS-D	VU 1602	5,5		L		365	
	VU03000IGS	VU 1901	4,5		L		365	
	VU03000IGS-SC	VU 2001	4,5		L		365	
	VU03000IGS-SC24	VU 2101	4,5		L		365	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. Standard lens: luminous flux for symmetrical lens. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it). The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

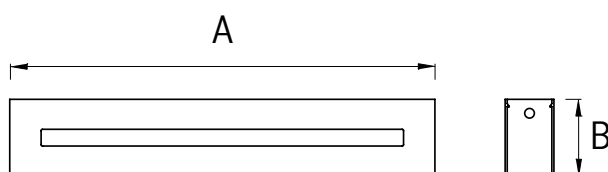
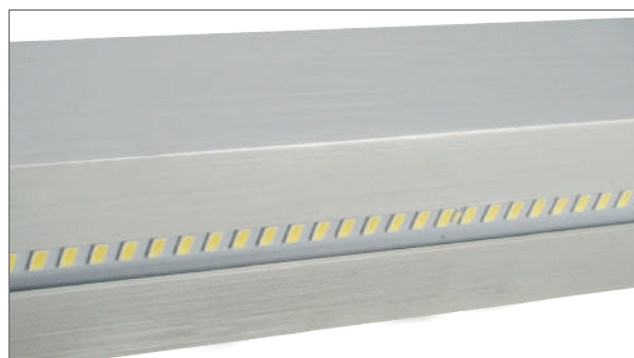
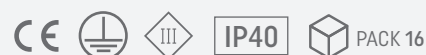
# Linea Led



Designed exclusively  
for wall mount  
installations

Aluminum casing

High lighting  
performances



## TECHNICAL FEATURES

- High luminous efficiency led
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471

A=300mm B=55mm C=35mm

[support@linergy.it](mailto:support@linergy.it) | technical support (+39) 334 1133875

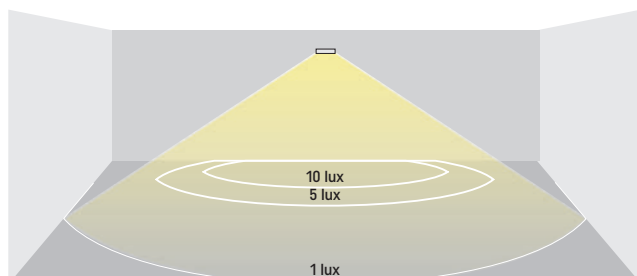




## LIGHTING PERFORMANCE

### Individual installation

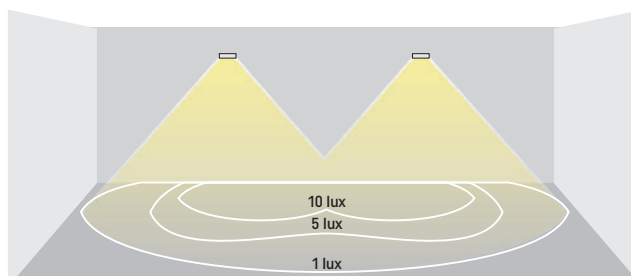
Emergency exits, stairs, first aid areas, fire-fighting equipment, etc.



	MAXIMUM DISTANCE COVERED
1 lux	11.4 m
5 lux	7 m
10 lux	5.3 m

### Multiple installation

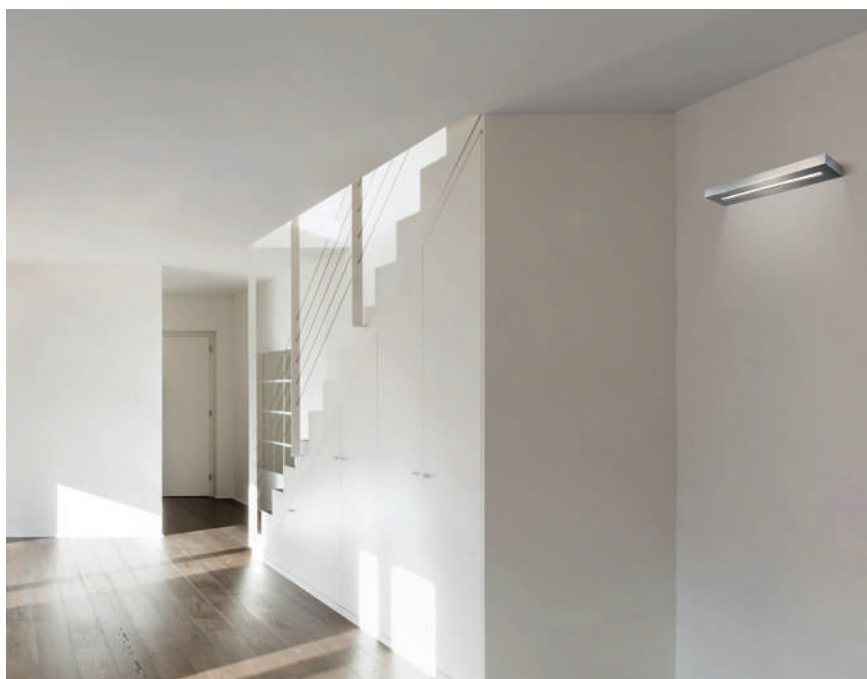
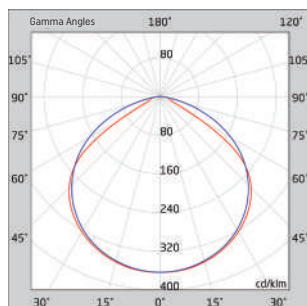
Escape routes



	MAXIMUM SPACING BETWEEN FITTINGS	MAXIMUM DISTANCE COVERED
1 lux	13.4 m	24.8 m
5 lux	8.6 m	15.6 m
10 lux	6.8 m	12.2 m

Mounting height 2.5 m. Values calculated on floors without reflections.

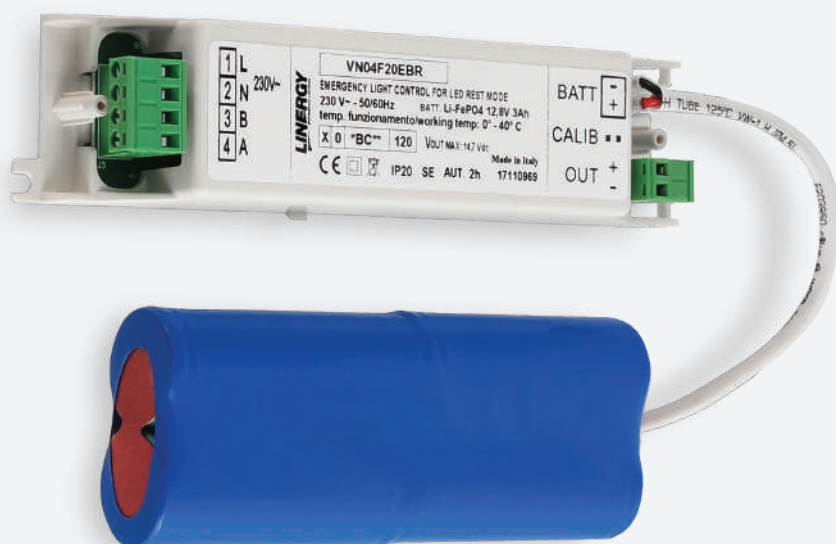
## PHOTOMETRIC DIAGRAM



	ORDER CODE	SHORT CODE	CONSUMPTION (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
CENTRAL BATTERY	LN24000IGS	LN 1901	6,7		L		785	
SPY CENTER	LN24000IGS-SC	LN 2001	6,7		L		785	
SPY CENTER 24	LN24000IGS-SC24	LN 2101	6,9		L		740	

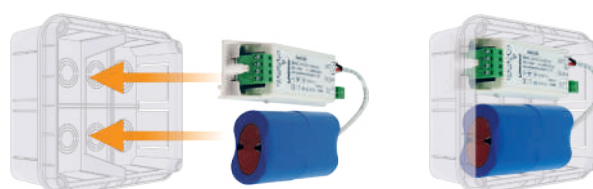
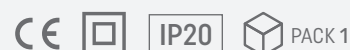
\* **Note:** the products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture.

# Vialed Net

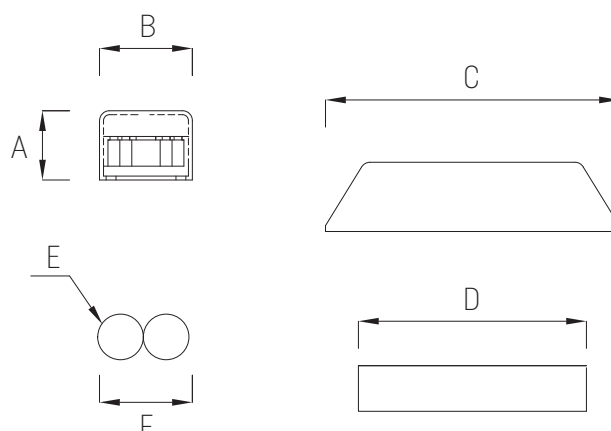


Emergency unit for  
Vialed series

Allows a star or cascade  
connection



Recessed installation inside of PT junction boxes



## TECHNICAL FEATURES

- Installable inside of pt junction boxes (starting from the PT 6 type)
- Maximum battery charge time of 12h
- Can control 4 VialNet spotlights
- Compliant with European standards EN 60598-2-22, EN 61347-1

A=27 mm B=46 mm C=182 mm  
D=135 mm E=27 mm F=54 mm

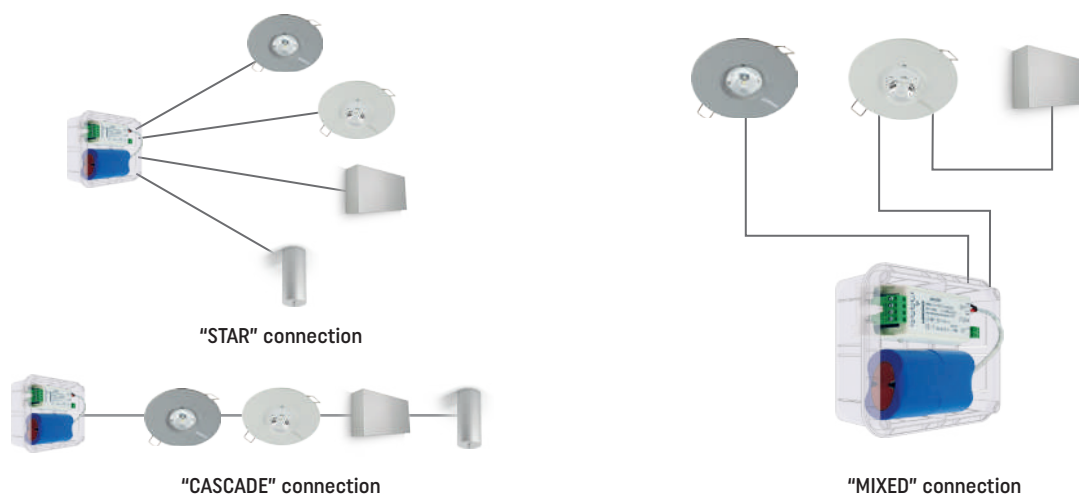
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## CABLE CROSS-SECTIONS AND LENGTHS

		0.75 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
"STAR" Connection	MAX distance of each light from central unit	40 m	80 m	140 m
"CASCADE" Connection	MAX distance of light farther from central unit*	40 m	80 m	140 m

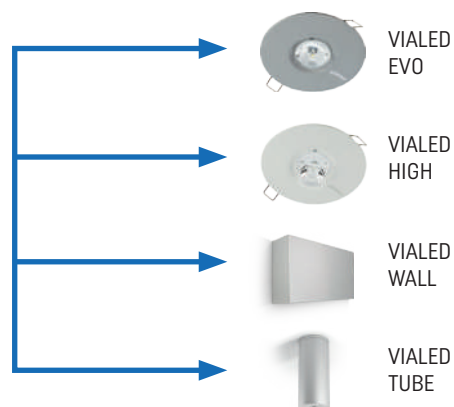
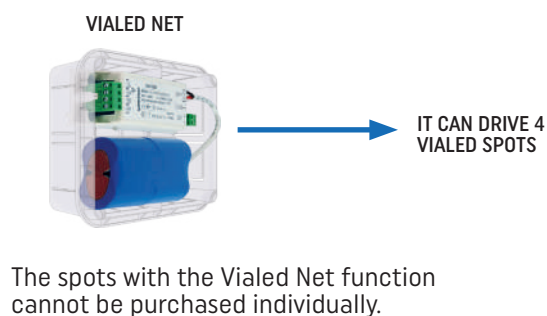
\* MAX distance between each light with "cascade" installation: 20 m

The kit to install in the junction boxes of the installation allows totally flexible connection of 4 Viald devices.



Note. Box sold separately. Installable inside of PT junction boxes (starting from the PT 6 type).

## HOW TO COMPOSE YOUR SYSTEM



## EXAMPLE OF SYSTEM LAYOUT

VN04F20EBRT

+

VE03000IBS-N  
VH03000IGS-N  
VH03000IGS-N  
VW03000IBS-N

ORDER CODE	SHORT CODE	DESCRIPTION
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

	ORDER CODE	SHORT CODE	DURAT.	TYPE	BATTERY
REST MODE	VN04F20EBR	VN 1201	2 h	N/M	Li-FePO4 12,8V 3Ah
ENERGY TEST	VN04F20EBRT	VN 1301	2 h	N/M	Li-FePO4 12,8V 3Ah
SPY SYSTEM	VN04F20EBRC	VN 1501	2 h	N/M	Li-FePO4 12,8V 3Ah

Note: the synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

ORDER CODE	SHORT CODE	CONSUM. (W)	DURAT.	TYPE	LUM. FLUX (lm)	BATTERY
VIALED EVO / WHITE COLOUR						
VE03000IBS-N	VE 1801	4,5		L	360	
VIALED EVO / GREY COLOUR						
VE03000IGS-N	VE 1802	4,5		L	360	
VIALED HIGH / WHITE COLOUR						
VH03000IBS-N	VH 1801	4,5		L	355	
VIALED HIGH / GREY COLOUR						
VH03000IGS-N	VH 1802	4,5		L	355	
VIALED WALL / WHITE COLOUR						
VW03000IBS-N	VW 1801	4,5		L	340	
VIALED WALL / GREY COLOUR						
VW03000IGS-N	VW 1802	4,5		L	340	
VIALED TUBE / STANDARD LENSES						
VT03000IGS-N	VT 1801	4,5		L	360	
VIALED TUBE / HIGH CEILINGS LENSES						
VU03000IGS-N	VU 1801	4,5		L	365	

# Nanoled



Simple and efficient solution  
for residential applications

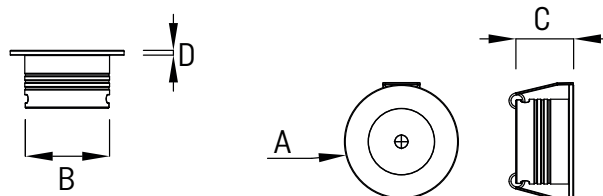
Maintenance free

Recessed installation  
in the ceiling



## TECHNICAL FEATURES

- Symmetrical lens
- Available in white
- Protection rating: IP40 from the bottom and IP20 from the top
- Maximum battery recharging time 12h
- Compliant with European standards EN 60598-1, EN 60598-2-22



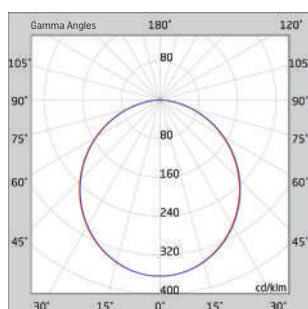
A=43 mm B=31 mm C=25 mm D=2 mm

**Note:** For the complete dimensions of the electronic parts, consult [www.linergy.it](http://www.linergy.it).

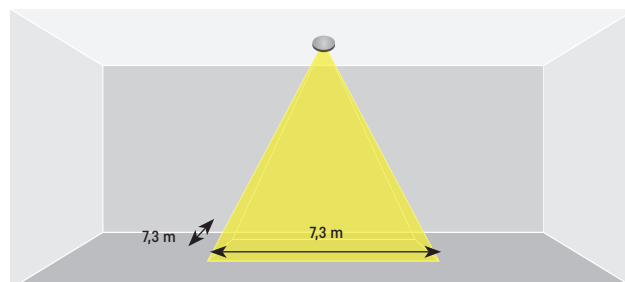
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## PHOTOMETRIC DIAGRAM



## LIGHTING PERFORMANCE UP TO 3 M



Covered surface 54 m<sup>2</sup> - Area illuminated with 0.5 lux

### INSTALLATION VERSATILITY

It can be recessed in the false ceiling through a 35 mm diameter hole; the spotlight and the battery attach to each other via a quick coupling fitting. It is almost invisible in recharge stand-by conditions.

### SMALL AND BRIGHT

Through the symmetrical optics, Nanoled emits a bright flux ideal for installation heights up to 6 m. It is the ideal solution for residential settings.

### EFFICIENT AND LONG-LASTING

It guarantees duration of 3 h after recharge of 12 h. Duration of the Led is 50,000 operating hours. It operates at temperature from 0 °C to +40 °C.



## ACCESSORIES



NLKTFS-B -Kit for ceiling installation available in white (190 x 190 x 43 mm)



VLKTSEG - It makes it possible to use the luminaire as a signalling device, kit of pictograms included. Visibility distance with pictogram = 22m. It must be used with the kit for ceiling installation.

ORDER CODE	SHORT CODE	DESCRIPTION
NLKTFS-B	A 275	CLASP FOR CEILING FASTENING NANOLED WHITE
VLKTSEG	A 320	SIGNALING KIT

	ORDER CODE	SHORT CODE	CONSUMPTION (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
STANDARD	NL03N30EBS	NL 1001	1,1	3 h	N/M	130		Ni-Cd 4,8V 1,8Ah
CENTRAL BATTERY	NL03000IBS	NL 1901	2,3		L		130	
SPY CENTER	NL03000IBS-SC	NL 2001	2,3		L		130	
SPY CENTER 24	NL03000IBS-SC24	NL 2101	1,5		L		130	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it).



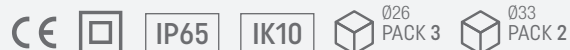
# Moon Led



Ideal for condominiums

For indoor and outdoor installations

LED source with practically unlimited lifetime and number of commutations



Ø 265 mm



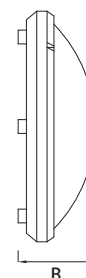
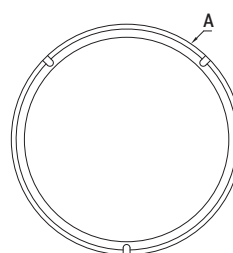
Ø 335 mm



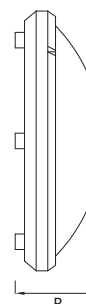
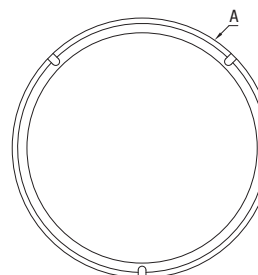
Also available  
in white  
colour

## TECHNICAL FEATURES

- Maximum energy saving thanks to LED technology
- M (Maintained mode) managed by integrated motion and light sensors
- Colour temperature: 4000 K
- Maximum recharging time: 12 h
- Wall mount or ceiling installation
- Installation on surfaces that are normally flammable
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471



**COD. MB**  
A=265 mm  
B=106 mm



**COD. ML**  
A=335 mm  
B=119 mm

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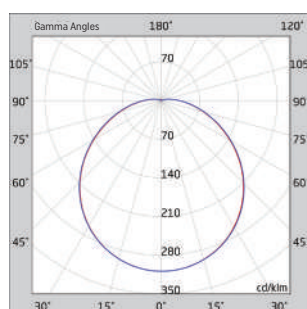
## ADJUSTABLE MOVEMENT SENSOR



## ADJUSTABLE DUSK SENSOR



## PHOTOMETRIC DIAGRAM

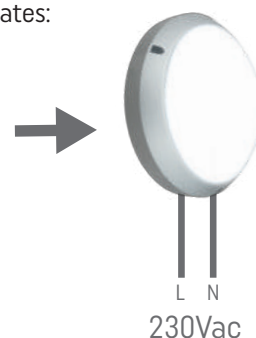


## ONE POWER SUPPLY FOR ORDINARY AND EMERGENCY MODES

The sensors inside the device will switch on the lamp as function of the ambient light and whether there are any people in the area.  
The product will always switch on in emergency backup even during power outages for 1h/3h.

A single electronic board integrates:

- driver
- movement/dusk sensor
- emergency



## WHITE COLOUR

	ORDER CODE	SHORT CODE	Ø (cm)	CONS.* (W)	DUR.	TYPE N/M - M - L/N/M (lm)	AVE. FLUX M (lm)	NOM. FL. M (lm)	BATTERY
REST MODE	MB14F10ABR	MB 1201	26	14	1 h	M	183	1950	Li-FePO4 6,4V 1,5Ah
	MB14F30ABR	MB 1202	26	14	3 h	M	183	1950	Li-FePO4 6,4V 3Ah
	ML14F10ABR	ML 1201	33	14	1 h	M	235	1950	Li-FePO4 6,4V 1,5Ah
	ML14F30ABR	ML 1202	33	14	3 h	M	235	1950	Li-FePO4 6,4V 3Ah
ENERGY TEST	MB14F10ABRT	MB 1301	26	14	1 h	M	183	1950	Li-FePO4 6,4V 1,5Ah
	MB14F30ABRT	MB 1302	26	14	3 h	M	183	1950	Li-FePO4 6,4V 3Ah
	ML14F10ABRT	ML 1301	33	14	1 h	M	235	1950	Li-FePO4 6,4V 1,5Ah
	ML14F30ABRT	ML 1302	33	14	3 h	M	235	1950	Li-FePO4 6,4V 3Ah
SPY SYSTEM	MB14F10ABRC	MB 1501	26	14	1 h	M	183	1950	Li-FePO4 6,4V 1,5Ah
	MB14F30ABRC	MB 1502	26	14	3 h	M	183	1950	Li-FePO4 6,4V 3Ah
	ML14F10ABRC	ML 1501	33	14	1 h	M	235	1950	Li-FePO4 6,4V 1,5Ah
	ML14F30ABRC	ML 1502	33	14	3 h	M	235	1950	Li-FePO4 6,4V 3Ah
CENTRAL BATTERY	MB14000IBS	MB 1901	26	13,5		L		1950	
	ML14000IBS	ML 1901	33	13,5		L		1950	
SPY CENTER	MB14000IBS-SC	MB 2001	26	13,5		L		1950	
	ML14000IBS-SC	ML 2001	33	13,5		L		1950	

## GREY COLOUR

	ORDER CODE	SHORT CODE	Ø (cm)	CONS.* (W)	DUR.	TYPE N/M - M - L/N/M (lm)	AVE. FLUX M (lm)	NOM. FL. M (lm)	BATTERY
REST MODE	MB14F10AGR	MB 1203	26	14	1 h	M	183	1950	Li-FePO4 6,4V 1,5Ah
	MB14F30AGR	MB 1204	26	14	3 h	M	183	1950	Li-FePO4 6,4V 3Ah
	ML14F10AGR	ML 1203	33	14	1 h	M	235	1950	Li-FePO4 6,4V 1,5Ah
	ML14F30AGR	ML 1204	33	14	3 h	M	235	1950	Li-FePO4 6,4V 3Ah
ENERGY TEST	MB14F10AGRT	MB 1303	26	14	1 h	M	183	1950	Li-FePO4 6,4V 1,5Ah
	MB14F30AGRT	MB 1304	26	14	3 h	M	183	1950	Li-FePO4 6,4V 3Ah
	ML14F10AGRT	ML 1303	33	14	1 h	M	235	1950	Li-FePO4 6,4V 1,5Ah
	ML14F30AGRT	ML 1304	33	14	3 h	M	235	1950	Li-FePO4 6,4V 3Ah
SPY SYSTEM	MB14F10AGRC	MB 1503	26	14	1 h	M	183	1950	Li-FePO4 6,4V 1,5Ah
	MB14F30AGRC	MB 1504	26	14	3 h	M	183	1950	Li-FePO4 6,4V 3Ah
	ML14F10AGRC	ML 1503	33	14	1 h	M	235	1950	Li-FePO4 6,4V 1,5Ah
	ML14F30AGRC	ML 1504	33	14	3 h	M	235	1950	Li-FePO4 6,4V 3Ah
CENTRAL BATTERY	MB14000IGS	MB 1902	26	13,5		L		1950	
	ML14000IGS	ML 1902	33	13,5		L		1950	
SPY CENTER	MB14000IGS-SC	MB 2002	26	13,5		L		1950	
	ML14000IGS-SC	ML 2002	33	13,5		L		1950	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it)  
The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

# Vip Led



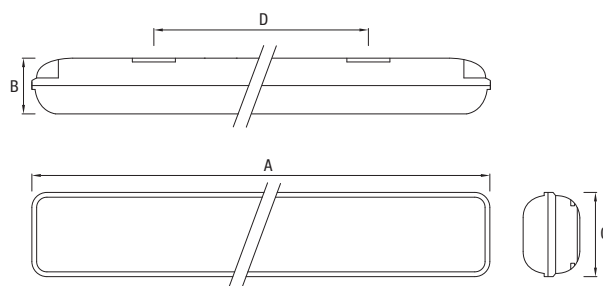
For industrial applications: ideal for large outdoor areas

Maintenance free and high energy saving



## TECHNICAL FEATURES

- Polycarbonate housing
- UV stabilised transparent polycarbonate diffuser
- Reflector made of white (UV-resistant) painted steel sheet
- Polyurethane foam gasket
- Clip in technopolymer reinforced with fibreglass
- Stainless steel springs for quick ceiling mount
- Maximum battery recharge time: 12h
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471

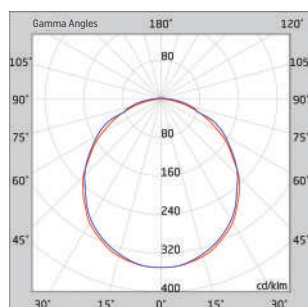


Cod.	W	A (mm)	B (mm)	C (mm)	D (mm)
VD 15	15	675	95	145	330
VD 42	42	1285	95	145	800
VD 56	56	1585	95	145	860

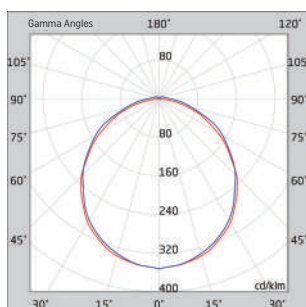
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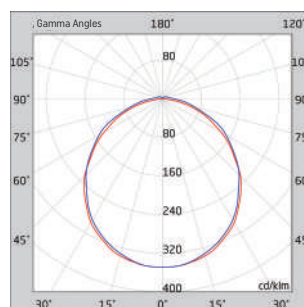
## PHOTOMETRIC DIAGRAMS



15 W



42 W



56 W

	ORDER CODE	SHORT CODE	CONSUMPTION (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	NOM. FLUX M (lm)	BATTERY
REST MODE	VD15F10EGR	VD 1201	1,5	1 h	N/M	390		Li-FePO4 6,4V 1,5Ah
	VD15F30EGR	VD 1202	1,5	3 h	N/M	390		Li-FePO4 6,4V 3Ah
	VD42F10EGR	VD 1203	1,5	1 h	N/M	420		Li-FePO4 6,4V 1,5Ah
	VD42F30EGR	VD 1204	1,5	3 h	N/M	420		Li-FePO4 6,4V 3Ah
	VD56F10EGR	VD 1205	1,5	1 h	N/M	420		Li-FePO4 6,4V 1,5Ah
	VD56F30EGR	VD 1206	1,5	3 h	N/M	420		Li-FePO4 6,4V 3Ah
	VD15F10AGR	VD 1207	16	1 h	M	390	1914	Li-FePO4 6,4V 1,5Ah
	VD15F30AGR	VD 1208	16	3 h	M	390	1914	Li-FePO4 6,4V 3Ah
	VD42F10AGR	VD 1209	43	1 h	M	420	5742	Li-FePO4 6,4V 1,5Ah
	VD42F30AGR	VD 1210	43	3 h	M	420	5742	Li-FePO4 6,4V 3Ah
	VD56F10AGR	VD 1211	57	1 h	M	420	7656	Li-FePO4 6,4V 1,5Ah
	VD56F30AGR	VD 1212	57	3 h	M	420	7656	Li-FePO4 6,4V 3Ah
ENERGY TEST	VD15F10EGRT	VD 1301	1,5	1 h	N/M	390		Li-FePO4 6,4V 1,5Ah
	VD15F30EGRT	VD 1302	1,5	3 h	N/M	390		Li-FePO4 6,4V 3Ah
	VD42F10EGRT	VD 1303	1,5	1 h	N/M	420		Li-FePO4 6,4V 1,5Ah
	VD42F30EGRT	VD 1304	1,5	3 h	N/M	420		Li-FePO4 6,4V 3Ah
	VD56F10EGRT	VD 1305	1,5	1 h	N/M	420		Li-FePO4 6,4V 1,5Ah
	VD56F30EGRT	VD 1306	1,5	3 h	N/M	420		Li-FePO4 6,4V 3Ah
	VD15F10AGRT	VD 1307	16	1 h	M	390	1914	Li-FePO4 6,4V 1,5Ah
	VD15F30AGRT	VD 1308	16	3 h	M	390	1914	Li-FePO4 6,4V 3Ah
	VD42F10AGRT	VD 1309	43	1 h	M	420	5742	Li-FePO4 6,4V 1,5Ah
	VD42F30AGRT	VD 1310	43	3 h	M	420	5742	Li-FePO4 6,4V 3Ah
	VD56F10AGRT	VD 1311	57	1 h	M	420	7656	Li-FePO4 6,4V 1,5Ah
	VD56F30AGRT	VD 1312	57	3 h	M	420	7656	Li-FePO4 6,4V 3Ah
SPY SYSTEM	VD15F10EGRC	VD 1501	1,5	1 h	N/M	390		Li-FePO4 6,4V 1,5Ah
	VD15F30EGRC	VD 1502	1,5	3 h	N/M	390		Li-FePO4 6,4V 3Ah
	VD42F10EGRC	VD 1503	1,5	1 h	N/M	420		Li-FePO4 6,4V 1,5Ah
	VD42F30EGRC	VD 1504	1,5	3 h	N/M	420		Li-FePO4 6,4V 3Ah
	VD56F10EGRC	VD 1505	1,5	1 h	N/M	420		Li-FePO4 6,4V 1,5Ah
	VD56F30EGRC	VD 1506	1,5	3 h	N/M	420		Li-FePO4 6,4V 3Ah
	VD15F10AGRC	VD 1507	16	1 h	M	390	1914	Li-FePO4 6,4V 1,5Ah
	VD15F30AGRC	VD 1508	16	3 h	M	390	1914	Li-FePO4 6,4V 3Ah
	VD42F10AGRC	VD 1509	43	1 h	M	420	5742	Li-FePO4 6,4V 1,5Ah
	VD42F30AGRC	VD 1510	43	3 h	M	420	5742	Li-FePO4 6,4V 3Ah
	VD56F10AGRC	VD 1511	57	1 h	M	420	7656	Li-FePO4 6,4V 1,5Ah
	VD56F30AGRC	VD 1512	57	3 h	M	420	7656	Li-FePO4 6,4V 3Ah
DALI	VD15000IGS-D	VD 1601	15		L		1914	
	VD42000IGS-D	VD 1602	42		L		5742	
	VD56000IGS-D	VD 1603	56		L		7656	
CENTRAL BATTERY	VD15000IGS	VD 1901	15		L		1914	
	VD42000IGS	VD 1902	42		L		5742	
	VD56000IGS	VD 1903	56		L		7656	
SPY CENTER	VD15000IGS-SC	VD 2001	15		L		1914	
	VD42000IGS-SC	VD 2002	42		L		5742	
	VD56000IGS-SC	VD 2003	56		L		7656	

\* **Note:** the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it)  
The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

# Cristal Ice



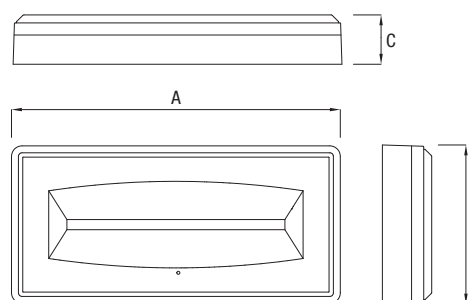
Studied for ceiling  
and wall mount  
applications in areas with  
temperatures as low  
as -30°C



**NEW**

**For ceiling installation**

## CEILING

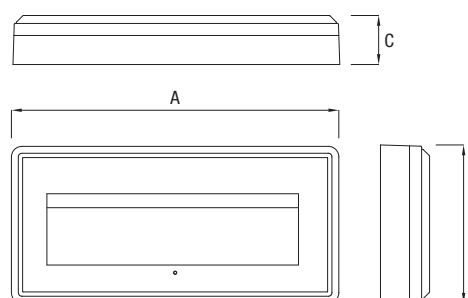


A=380 mm B=180 mm C=58 mm

## TECHNICAL FEATURES

- High light efficiency LED
- Decorative frame supplied on all individual models
- The batteries are recharged at low temperature
- In case of a blackout emergency operation is ensured up to -30°C
- Installation on surfaces that are normally flammable
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471

## WALL

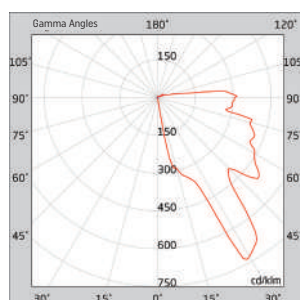


A=380 mm B=180 mm C=58 mm

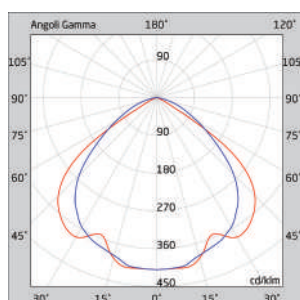
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## PHOTOMETRIC DIAGRAM



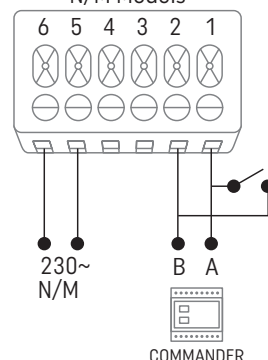
WALL



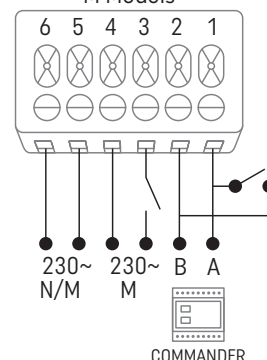
CEILING

## ELECTRIC CONNECTIONS

N/M Models



M Models



Maintained mode  
interruptible with  
separate power supply

## ACCESSORIES



**INC M CR** - Wall box for recessed installation.  
Dimensions (mm): internal 365.6 x 167.1  
max external 382.7 x 184.2



**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions



**RACCORDO IP65** - IP65 fitting supplied. The IP65 fitting is supplied with the product to engage a 16 mm tube to the luminaire body



**GRIG02** - Protective grating. Made in galvanized metal for complete protection of the luminaire body against accidental blows or acts of vandalism



**CI KT SEG** - Signalling kit for the ceiling-mounted model. With this kit, the CRISTAL ICE can be used like a signalling luminaire in compliance with EN 1838 Standard. Kit of pictograms supplied as standard. Visual range with pictogram = 30 m



**CEIS01 - CEIS02 - CEIS08** - Pictograms for the ceiling-mounted model. See the "Accessories and spare parts" section on page 160. Visual range with pictogram = 21 m

ORDER CODE	SHORT CODE	DESCRIPTION
GRIG02	A 013	PROTECTIVE GRATING
INCMCR	A 019	WALL BOX RECESSED INSTALLATION CRISTAL
CEIS01	A 146	PICTOGRAM FOR CRISTAL EVO ARROW LEFT
CEIS02	A 147	PICTOGRAM FOR CRISTAL EVO ARROW RIGHT
CEIS08	A 148	PICTOGRAM FOR CRISTAL EVO ARROW DOWN
CIKTSEG	A 314	SIGNALING KIT CRISTAL ICE
COMMANDER	CN0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

## WALL INSTALLATION

	ORDER CODE	SHORT CODE	CONS.* (W)	DUR.	TYPE N/M - M - L	AVERAGE FL. N/M (lm)	FLUX M (lm)	BATTERY
ENERGY TEST	CI24N20EGRT-P	CI 1303	6	2 h	N/M	565		Ni-MH 6V 4Ah
	CI24N20AGRT-P	CI 1304	14	2 h	M	565	565	Ni-MH 6V 4Ah
SPY SYSTEM	CI24N20EGRC-P	CI 1503	6	2 h	N/M	565		Ni-MH 6V 4Ah
	CI24N20AGRC-P	CI 1504	14	2 h	M	565	565	Ni-MH 6V 4Ah
SPY SYSTEM WIRELESS	CI24N20EGRW-P	CI 2403	6,1	2 h	N/M	565		Ni-MH 6V 4Ah
	CI24N20AGRW-P	CI 2404	14,1	2 h	M	565	565	Ni-MH 6V 4Ah
CENTRAL BATTERY	CI24000IGS-P	CI 1902	6,8		L		625	
SPY CENTER	CI24000IGS-SC-P	CI 2002	6,8		L		625	
SPY CENTER 24	CI240IGS-SC24-P	CI 2102	7,1		L		525	

## CEILING INSTALLATION

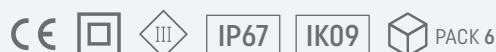
	ORDER CODE	SHORT CODE	CONS.* (W)	DUR.	TYPE N/M - M - L	AVERAGE FL. N/M (lm)	FLUX M (lm)	BATTERY
ENERGY TEST	CI24N20EGRT-S	CI 1305	6	2 h	N/M	730		Ni-MH 6V 4Ah
	CI24N20AGRT-S	CI 1306	14	2 h	M	730	730	Ni-MH 6V 4Ah
SPY SYSTEM	CI24N20EGRC-S	CI 1505	6	2 h	N/M	730		Ni-MH 6V 4Ah
	CI24N20AGRC-S	CI 1506	14	2 h	M	730	730	Ni-MH 6V 4Ah
SPY SYSTEM WIRELESS	CI24N20EGRW-S	CI 2405	6,1	2 h	N/M	730		Ni-MH 6V 4Ah
	CI24N20AGRW-S	CI 2406	14,1	2 h	M	730	730	Ni-MH 6V 4Ah
CENTRAL BATTERY	CI24000IGS-S	CI 1903	6,8		L		790	
SPY CENTER	CI24000IGS-SC-S	CI 2003	6,8		L		790	
SPY CENTER 24	CI240IGS-SC24-S	CI 2103	7,1		L		660	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it).



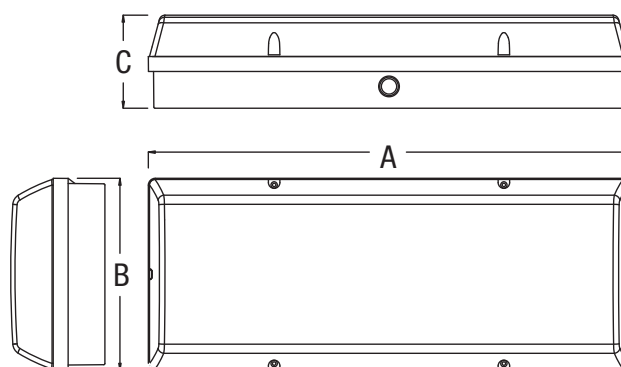
Studied for applications in areas with temperatures as low as -40 °C

Totally protected against dust and water



## TECHNICAL FEATURES

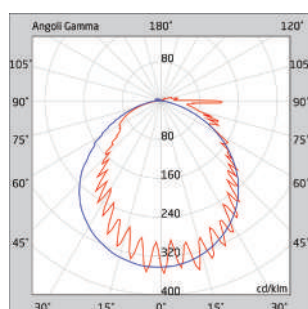
- High light efficiency LED
- Battery recharged even at low temperature
- In case of a blackout emergency operation is ensured up to -40° C
- IP67 cable gland included
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471



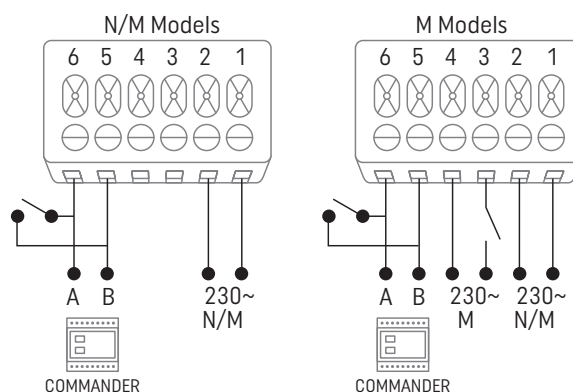
A=420 mm B=168 mm C=82 mm

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## PHOTOMETRIC DIAGRAM



## ELECTRIC CONNECTIONS



Maintained mode  
interruptible with  
separate power supply

## ACCESSORIES



**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions



**IP67 CABLE GLAND** - Comes standard with the product. Allows you to connect the device to the electric cable ensuring the tightness of the IP67 protection rating



**GRIG02** - Protective grating. Made in galvanized metal for complete protection of the luminaire body against accidental blows or acts of vandalism



**TKIS01 - TKIS02 - TKIS08** - Pictograms. See the "Accessories and spare parts" section on page 160. Visual range with pictogram = 25 m

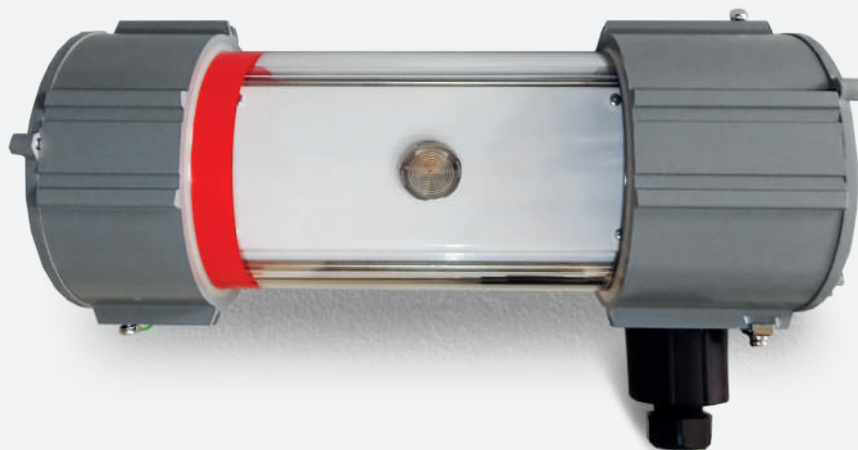


ORDER CODE	SHORT CODE	DESCRIPTION
GRIG02	A 013	PROTECTIVE GRATING
TKIS01	A 180	PICTOGRAMS FOR ICETEK - LEFT
TKIS02	A 181	PICTOGRAMS FOR ICETEK - RIGHT
TKIS08	A 182	PICTOGRAMS FOR ICETEK - DOWN
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

	ORDER CODE	SHORT CODE	CONSUMPTION (W)	DURATION	TYPE N/M - M - L	AVERAGE FLUX N/M (lm)	FLUX M (lm)	BATTERY
<b>ENERGY TEST</b> HIGH FLUX	IT24N10EGRT-H	IT 1301	6	1 h	N/M	900		Ni-MH 6V 4Ah
	IT24N10EGRT-HH	IT 1302	6	1 h	N/M	1300		Ni-MH 6V 4Ah
	IT24N10AGRT-H	IT 1303	14	1 h	M	900	1000	Ni-MH 6V 4Ah
<b>SPY SYSTEM</b> HIGH FLUX	IT24N10EGRC-H	IT 1501	6	1 h	N/M	900		Ni-MH 6V 4Ah
	IT24N10EGRC-HH	IT 1502	6	1 h	N/M	1300		Ni-MH 6V 4Ah
	IT24N10AGRC-H	IT 1503	14	1 h	M	900	1000	Ni-MH 6V 4Ah
<b>SPY SYSTEM</b> WIRELESS HIGH FLUX	IT24N10EGRW-H	IT 2401	6,1	1 h	N/M	900		Ni-MH 6V 4Ah
	IT24N10EGRW-HH	IT 2402	6,1	1 h	N/M	1300		Ni-MH 6V 4Ah
	IT24N10AGRW-H	IT 2403	14,1	1 h	M	900	1000	Ni-MH 6V 4Ah
<b>CENTRAL BATTERY</b> HIGH FLUX	IT240001GS-H	IT 1901	8,5		L		1000	
	IT240001GS-HH	IT 1902	12,8		L		1300	
<b>SPY CENTER</b> HIGH FLUX	IT240001GS-SC-H	IT 2001	8,5		L		1000	
	IT240001GS-SC-HH	IT 2002	12,8		L		1300	
<b>SPY CENTER 24</b> HIGH FLUX	IT2401GS-SC24-H	IT 2101	9,3		L		825	
	IT2401GS-SC24-HH	IT 2102	13,9		L		1300	

\* **Note:** the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. Tables with installation distances available at [www.linergy.it](http://www.linergy.it)  
The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

# Atex Led



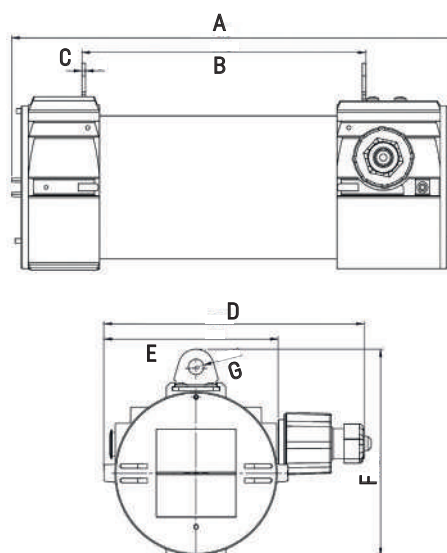
Anti-explosion  
emergency luminaire for  
areas at risk of explosion,  
indoors or outdoors

Suited for zone 1, 2 and  
zone 21, 22



## TECHNICAL FEATURES

- Energy Test function with Test Button
- Maintained (M) type with Not Maintained (N/M) operation option
- Operating temperature from -20°C to +50°C
- Corrosion-resistant polyurethane powder-coated aluminum end caps
- Borosilicate glass diffuser
- Silicone rubber seals
- Installation: suspension, wall and ceiling
- Complies with ATEX Directive 94/9/EC
- Conforms to European standards: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31, EN 60598-1, EN 60598-2-22, EN 62034, EN 62031, EN 62471
- Ex II 2 G - Ex d IIC T6 Gb from -20°C to +50°C
- Ex II 2 G - Ex de IIC T6 Gb from -20°C to +50°C
- Ex II 2 D - Ex tb IIIC T80°C Db IP66 from -20°C to +50°C



A=375mm B=240mm C=3mm  
D=220mm E=147mm F=174mm G=Ø13mm

## ACCESSORI



AXIS01 - AXIS02 - AXIS08 -Pittograms  
See the "Accessories and spare parts" section on  
page 160. Visual range with pictogram = 18 m.

	ORDER CODE	SHORT CODE	DURAT.	TYPE N/M - M - L	AV. FLUX N/M (lm)	FLUX M (lm)	BATTERY
ENERGY TEST	AX20N30AGRT	AX 1301	3 h	M	200	400	Ni-MH 3,6V 2Ah

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# Dual Led

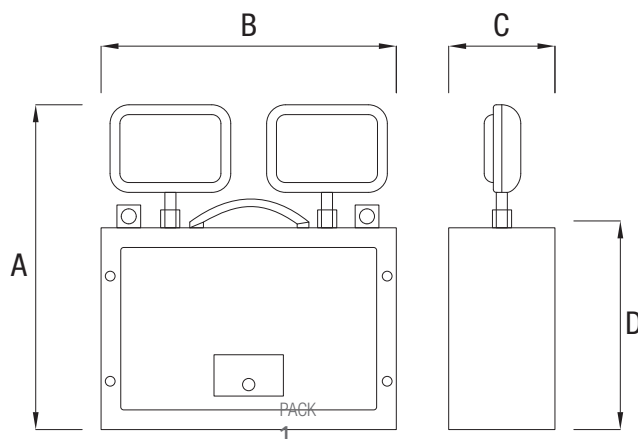


Suited for large areas  
It can be also installed  
on high ceilings  
Fixed or portable usage

CE IP65 IK10 PACK 1

## TECHNICAL FEATURES

- High light efficiency LED
- Adjustable spotlights
- Compliant with European standards EN 60598-1, EN 60598-2-22, EN 60598-2-8
- Photobiological hazard free according to standard EN 62471



A = 333 mm B = 307 mm C = 95 mm D = 205 mm

	ORDER CODE	SHORT CODE	DURAT.	TYPE N/M - M - L	AV. FLUX M (lm)	BATTERY
STANDARD	DU239P13EGS	DU 1001	1,5 h	N/M	3200	Pb 12V 7Ah
	DU239P30EGS	DU 1002	3 h	N/M	3200	2 x Pb 12V 7Ah
ENERGY TEST	DU237P30EGST	DU 1301	3 h	N/M	3200	2 x Pb 12V 7Ah

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# LED technology signalling luminaires

## WHAT ARE THEY?

The signalling luminaires are essential for guaranteeing the correct identification of escape routes, as required by the regulations in force and in particular EN 1838. The signs must be visible in all points of the escape route and must indicate it without any possibility of error.

## HOW TO CHOOSE THEM

Choosing the right signal luminaire requires knowledge of the various typologies and functionality of the same and the basic features.

## SIGN VISIBILITY

A fundamental parameter is the size of the sign, which affects the visual range. EN 1838 establishes the maximum visual range of the sign in relation to its height according to the following formula:

$$L = z \times h$$

L is the maximum visual range of the signal, h is the height of the pictogram, z is respectively: 100 for signs that are externally lit

200 for signs that are internally lit. Therefore, in addition to the size, it is important to pay attention to the light source of the sign itself, i.e. check to see whether it is lit from the inside, like a ceiling light equipped with a pictogram, or from the outside.

## FUNCTIONING TYPE

Normally, M type luminaires or maintained luminaires are used, because the sign must be lit constantly, with or without the presence of a network. L models are also used, powered from a centralized energy station.

## INHIBITION AND REST MODE

Whenever long periods of plant inactivity are foreseen, it is appropriate to choose ceiling lights that come with this function. Having the "Rest mode" function can be important when it is necessary to inhibit the functioning of the signalling system. Using the special remote control device, the rest-mode status can be managed and the inhibition of the luminaires is

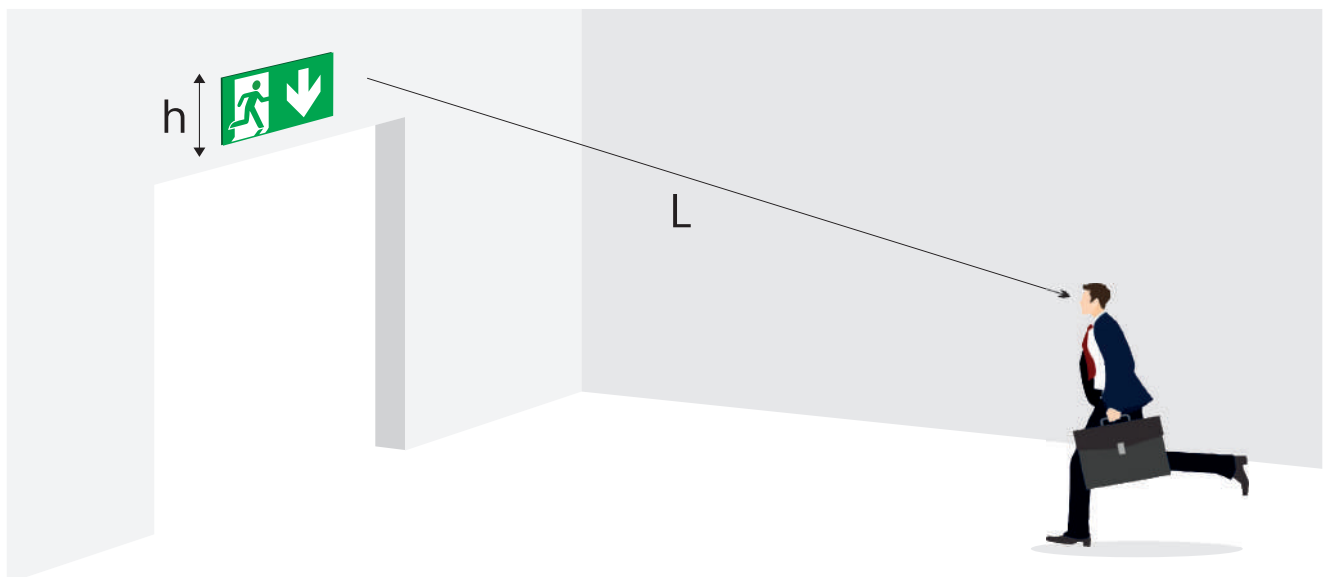
guaranteed, while still keeping them active and self-restorable in the event of a blackout.

## DURATION

The luminaire duration required by regulations prescribes 1 or 3 hours; in some cases even 2, depending on the various settings. As the batteries discharge over time, the real duration of the new luminaire will always be greater compared to the nominal declared. When, as a result of natural deterioration of the batteries, nominal duration is no longer ensured, these batteries should be replaced.

## RECHARGE

The battery recharge time after switch-on of a luminaire during an emergency must guarantee the nominal duration of the luminaire itself. Normally, the regulations establish a recharging time of 24 hours. Only in certain settings are fixtures with a 12-hour recharging time mandatory.





# Orion



Maintained (M)	3 W
Brightness reduced (MOVIE)	1 W
Non-Maintained (N/M)	0,8 W



High luminosity  
New panel for better diffusion  
and uniformity of light  
Die-cast casing  
Latest generation LED  
technology



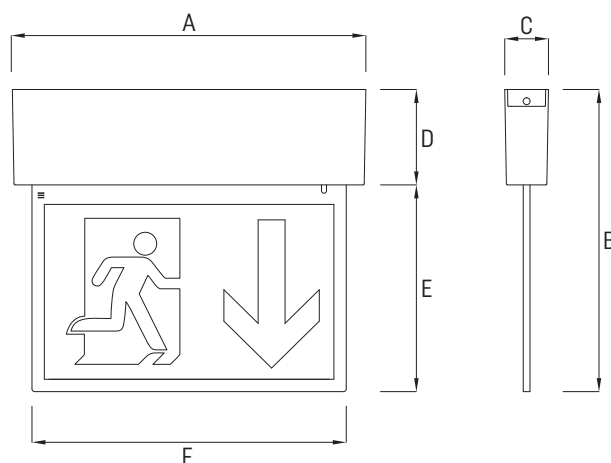
PACK 4



Also with  
white body

## TECHNICAL FEATURES

- Test button: it allows to perform a manual functional test and to dim the light level in permanent mode (for cinemas and theaters)
- Also works in non maintained mode (N/M)
- Installable with single or double sides with pictogram kit supplied as standard
- Available in white (RAL 9003) and in grey (RAL 9006)
- Installation: wall, ceiling and flag style
- Installation: suspension by accessory kit
- Maximum battery recharging time: 12h
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471



A=315 mm B=269 mm C=39 mm  
D=85 mm E=184 mm F=280 mm



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## STANDARD ACCESSORIES



OR KT STAFFA-G / -B  
Bracket for flag style fastening.



OR KT STAFFA-G / -B  
Bracket for wall fastening.



Bracket/cover for ceiling fastening.



KIT LV ISO - Kit with new European pictograms  
for all the signs (arrow right, left, down).

## SINGLE BRACKET



Wall-mounted



Flag style

## ACCESSORIES TO BE ORDERED SEPARATELY



OR KT SOS - Kit for suspension fastening  
for ORION with steel cables.



LV32IS08-A - Down arrow pictogram. Use it to  
configure the luminaire in case of double face  
down signal.

ORDER CODE	SHORT CODE	DESCRIPTION
ORKTSOS	A 037	KIT FOR SUSPENSION INSTALLATION ORION
ORKTSTAFFA-G	A 077	KIT FOR FLAG-STYLE AND WALL FASTENING GREY
ORKTSTAFFA-B	A 093	KIT FOR FLAG-STYLE AND WALL FASTENING WHITE
KITLVISO	A 163	4 PICTOGRAMS KIT FOR ORION AND LYRA EVO 32 M
LV32IS08-A	A 283	PICTOGRAM FOR LYRA EVO 32M DOWN DIRECTION LEFT
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE



## GREY COLOUR

	ORDER CODE	SHORT CODE	CONS.* (W)	DURAT.	TYPE N/M - N - L	VISIB.	BATTERY	05		ORDER CODE	SHORT CODE	CONS.* (W)	DURAT.	TYPE N/M - N - L	VISIB.	BATTERY	05
REST MODE	OR32N10AGR	OR 1201	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah	•		OR32N10ABR	OR 1203	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah	•
	OR32N30AGR	OR 1202	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah	•		OR32N30ABR	OR 1204	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah	•
ENERGY TEST	OR32N10AGRT	OR 1301	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah	•		OR32N10ABRT	OR 1303	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah	•
	OR32N30AGRT	OR 1302	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah	•		OR32N30ABRT	OR 1304	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah	•
SPY SYSTEM	OR32N10AGRC	OR 1501	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah	•		OR32N10ABRC	OR 1503	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah	•
	OR32N30AGRC	OR 1502	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah	•		OR32N30ABRC	OR 1504	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah	•
SPY SYSTEM WIRELESS	OR32N10AGRW	OR 2401	3,1	1 h	M	32m	Ni-Cd 4,8V 0,5Ah			OR32N10ABRW	OR 2403	3,1	1 h	M	32m	Ni-Cd 4,8V 0,5Ah	
	OR32N30AGRW	OR 2402	1,8	3 h	M	32m	Ni-Cd 4,8V 0,5Ah			OR32N30ABRW	OR 2404	1,8	3 h	M	32m	Ni-Cd 4,8V 0,5Ah	
DALI	OR32N10AGRD	OR 1601	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah			OR32N10ABRD	OR 1604	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah	
	OR32N30AGRD	OR 1602	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah			OR32N30ABRD	OR 1605	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah	
	OR32000IGS-D	OR 1603	2		L	32m				OR32000IBS-D	OR 1606	2		L	32m		
CENTRAL BATTERY	OR32000IGS	OR 1901	2		L	32m		•		OR32000IBS	OR 1902	2		L	32m		•
SPY CENTER	OR32000IGS-SC	OR 2001	2		L	32m		•		OR32000IBS-SC	OR 2002	2		L	32m		•
SPY CENTER 24	OR32000IGS-SC24	OR 2101	0,8		L	32m				OR32000IBS-SC24	OR 2102	0,8		L	32m		

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged.

The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture.

The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

# Swing



Maintained (M) 3 W  
Non-Maintained (N/M) 0,8 W



Anodized aluminum casing  
obtained from a solid block  
Suspended on two steel cables  
High thickness panel with  
uniform luminosity



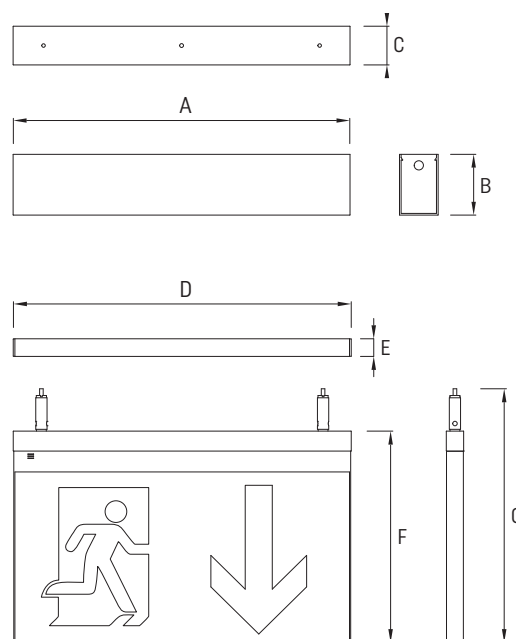
RECESSED  
PACK 2



CEILING  
PACK 6

## TECHNICAL FEATURES

- Viewing distance of 30m
- Also features in non maintained operation (N/M) mode
- One- or two-face installation with pictogram kit supplied as standard
- Suspension installation
- Double installation option: ceiling or recessed in the false ceiling
- Maximum battery charge time: 12h
- Compliant with European standards EN 60598-1, EN 60598-2-22, EN 1838
- No photobiological risk compliant with EN 62471



A=305 mm B=55 mm C=35 mm  
D=300 mm E=15 mm F=188 mm G=225 mm



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## METHOD OF INSTALLATION

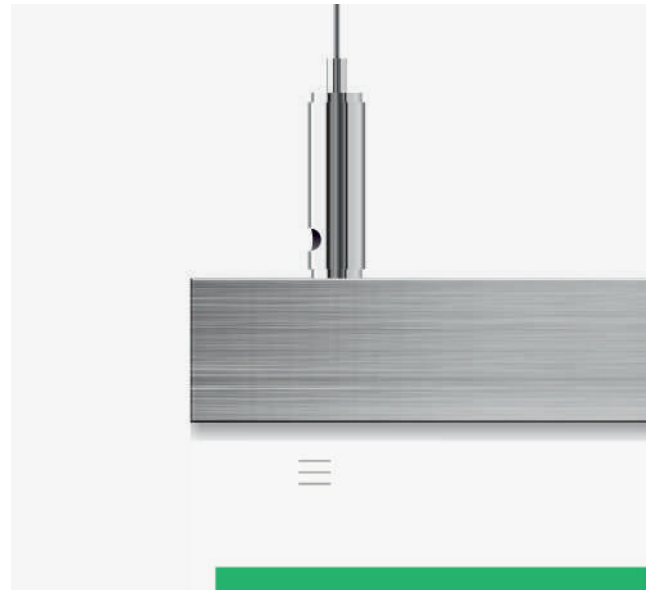
Two thin anodized steel cables discretely sustain with elegance the anodized aluminum casing of the Swing



Ceiling



Recessed



## STANDARD ACCESSORIES



**KIT SW ISO** - Kit with new european pictograms for all the signs (arrow right, left, down).

## ACCESSORIES



**SWIS08-A** - Down arrow pictogram. Use it to configure the luminaire in case of double face down signal.



ORDER CODE	SHORT CODE	DESCRIPTION
KITSWISO	A 167	PICTOGRAMS FOR SWING
SWIS08-A	A 297	PICTOGRAM FOR SWING DOWN DIRECTION LEFT
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

### RECESSED INSTALLATION

	ORDER CODE	SHORT CODE	CONSUM.* (W)	DURAT.	TYPE N/M - N - L	VISIB.	BATTERY
<b>REST MODE</b>	SU30N10AGR	SU 1201	3	1 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SU30N30AGR	SU 1202	1,7	3 h	M	30m	Ni-Cd 4,8V 0,5Ah
<b>ENERGY TEST</b>	SU30N10AGRT	SU 1301	3	1 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SU30N30AGRT	SU 1302	1,7	3 h	M	30m	Ni-Cd 4,8V 0,5Ah
<b>SPY SYSTEM</b>	SU30N10AGRC	SU 1501	3	1 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SU30N30AGRC	SU 1502	1,7	3 h	M	30m	Ni-Cd 4,8V 0,5Ah
<b>SPY SYSTEM WIRELESS</b>	SU30N10AGRW	SU 2401	3,1	1 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SU30N30AGRW	SU 2402	1,8	3 h	M	30m	Ni-Cd 4,8V 0,5Ah
<b>DALI</b>	SU30N10AGRD	SU 1601	3	1 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SU30N30AGRD	SU 1602	1,7	3 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SU30000IGS-D	SU 1603	2		L	30m	
<b>CENTRAL BATTERY</b>	SU30000IGS	SU 1901	2		L	30m	
<b>SPY CENTER</b>	SU30000IGS-SC	SU 2001	2		L	30m	
<b>SPY CENTER 24</b>	SU30000IGS-SC24	SU 2101	0,8		L	30m	

### CEILING INSTALLATION

	ORDER CODE	SHORT CODE	CONSUM.* (W)	DURAT.	TYPE N/M - N - L	VISIB.	BATTERY
	SW30N10AGR	SW 1201	3	1 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SW30N30AGR	SW 1202	1,7	3 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SW30N10AGRT	SW 1301	3	1 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SW30N30AGRT	SW 1302	1,7	3 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SW30N10AGRC	SW 1501	3	1 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SW30N30AGRC	SW 1502	1,7	3 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SW30N10AGRW	SW 2401	3,1	1 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SW30N30AGRW	SW 2402	1,8	3 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SW30N10AGRD	SW 1601	3	1 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SW30N30AGRD	SW 1602	1,7	3 h	M	30m	Ni-Cd 4,8V 0,5Ah
	SW30000IGS-D	SW 1603	2		L	30m	
	SW30000IGS	SW 1901	2		L	30m	
	SW30000IGS-SC	SW 2001	2		L	30m	
	SW30000IGS-SC24	SW 2101	0,8		L	30m	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

# Flag



When powered	4,5 W
Maintained (M)	3,5 W
Non-Maintained (N/M)	0,1 W



New leds for safety lighting

Range completion with autonomous luminaires

Anodized aluminum profiles

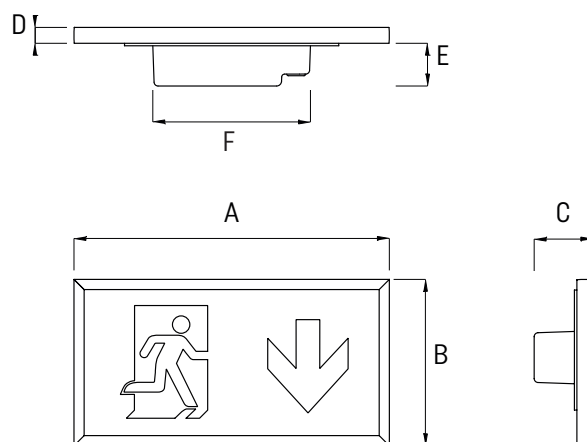
Studied for wall mount applications inside 6 module box



LED for safety lighting

## TECHNICAL FEATURES

- New LEDs to illuminate the emergency exits during a blackout (available on models with battery)
- High luminosity panel with excellent light uniformity
- Also configurable in non maintained (N/M) mode
- It allows to dim the light level in permanent mode (for cinemas and theaters)
- Viewing distance of 30m
- Installed at single face with the set of pictograms included
- Maximum battery charge time: 12h
- Compliant with European standards EN 60598-1, EN 60598-2-22, EN 1838
- No photobiological risk compliant with EN 62471



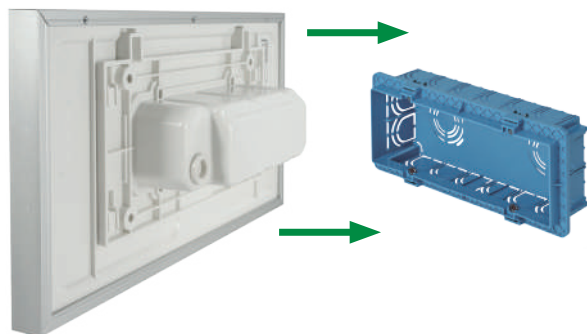
A=317mm B=168mm C=60mm  
D=16mm E=43mm F=159mm

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## METHOD OF INSTALLATION

The FLAG signalling device must be installed recessed in the standard 6 module box.

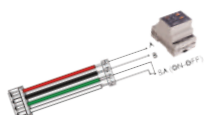


## STANDARD ACCESSORIES



**KIT FG ISO** - Kit with new European pictograms for all the signs (arrow right, left, down)

## ACCESSORI



**KIT ALIM FG** - Kit consisting of wires and connector for connection with interruptible permanent lighting and/or rest mode by means of Commander

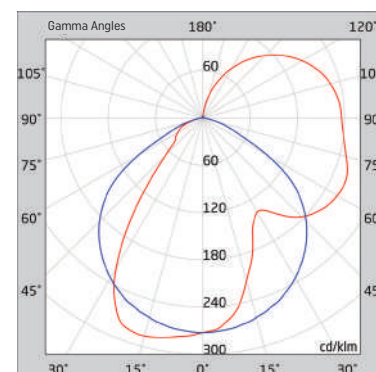
ORDER CODE	SHORT CODE	DESCRIPTION
KITFGISO	A 281	KIT 4 PICTOGRAMS FOR FLAG
KITALIMFG	A 305	KIT FOR PERMANENT SWITCHING/COMMANDER FOR FLAG
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	VISIBILITY	BATTERY
<b>REST MODE</b>	FG30F10AGR	FG 1201	3,5	1 h	M	30m	Li-FeP04 6,4V 1,5Ah
	FG30F30AGR	FG 1202	1,9	3 h	M	30m	Li-FeP04 6,4V 1,5Ah
<b>ENERGY TEST</b>	FG30F10AGRT	FG 1301	3,5	1 h	M	30m	Li-FeP04 6,4V 1,5Ah
	FG30F30AGRT	FG 1302	1,9	3 h	M	30m	Li-FeP04 6,4V 1,5Ah
<b>SPY SYSTEM</b>	FG30F10AGRC	FG 1501	3,5	1 h	M	30m	Li-FeP04 6,4V 1,5Ah
	FG30F30AGRC	FG 1502	1,9	3 h	M	30m	Li-FeP04 6,4V 1,5Ah
<b>SPY SYSTEM WIRELESS</b>	FG30F10AGRW	FG 2401	3,6	1 h	M	30m	Li-FeP04 6,4V 1,5Ah
	FG30F30AGRW	FG 2402	2	3 h	M	30m	Li-FeP04 6,4V 1,5Ah
<b>DALI</b>	FG30F10AGRD	FG 1601	3,5	1 h	M	30m	Li-FeP04 6,4V 1,5Ah
	FG30F30AGRD	FG 1602	1,9	3 h	M	30m	Li-FeP04 6,4V 1,5Ah
	FG30000IGS-D	FG 1603	3,5		L	30m	
<b>CENTRAL BATTERY</b>	FG30000IGS	FG 1901	4,5		L	30m	
<b>SPY CENTER</b>	FG30000IGS-SC	FG 2001	4,5		L	30m	
<b>SPY CENTER 24</b>	FG30000IGS-SC24	FG 2101	5,7		L	30m	

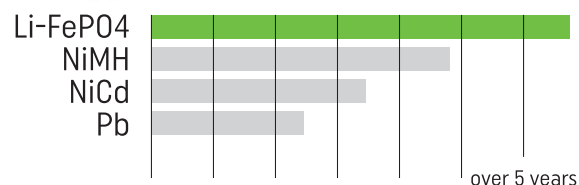
\* **Note:** the power (expressed in W) absorbed by the appliance is intended when the battery is charged.

The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture.

## PHOTOMETRIC DIAGRAMS



**Li-FeP04 Battery**  
service efficiency



# Lyra Evo



Maintained (M)	1,7 W
Brightness reduced (MOVIE)	1 W
Non-Maintained (N/M)	0,8 W



High luminosity

New panel for better diffusion and uniformity of light

Latest generation LED technology

Ideal for designer spaces, such as galleries, theatres and show rooms



32 m

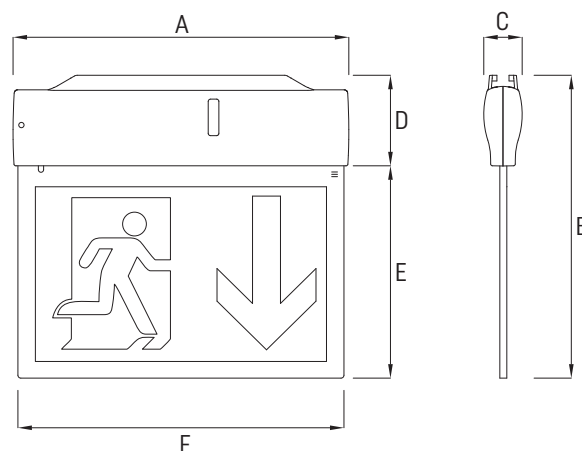


22 m



## TECHNICAL FEATURES

- Test button: it allows to perform a manual functional test and to dim the light level in permanent mode (for cinemas and theaters)
- Also works in non maintained mode (N/M)
- Installable with double and single side with pictograms kit supplied as per standard
- Pre-disposition for ceiling and flag style installation
- Installation: wall, recessed and suspended using small chains
- Maximum battery recharging time: 12h
- Compliant with European standards EN 60598-1, EN 60598-2-22
- No photobiological risk compliant with EN 62471



**VISIBILITY 32 M** A=289 mm B=261 mm C=34 mm  
D=77 mm E=185 mm F=280 mm

**VISIBILITY 22 M** A=289 mm B=211 mm C=34 mm  
D=77 mm E=134 mm F=280 mm

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## STANDARD ACCESSORIES



**LV KT FB** - Bracket for flag style fastening  
The bracket is flexible on the 503 box for the flag style installation of the LYRA EVO ceiling light



**LV KT FS** - Bracket for ceiling fastening  
For the ceiling installation of the LYRA EVO



**KIT LV ISO - KIT LV ISO-22** - Kit with pictograms for all the signs (arrow right, left, down). Available in 22m and 32m versions

## ACCESSORIES TO BE ORDERED SEPARATELY



**LV KT SOS** - Kit for suspension installation  
The kit includes the eyelets and small chains for the suspended fastening of the LYRA EVO



**LV KT INC** - Kit for recessed installation on a false ceiling. So as to leave only the signalling panel visible; this kit allows for the recessed installation of the LYRA EVO



**LV KT INC-B** - Kit for recessed installation on a false ceiling in white colour. So as to leave only the signalling panel visible; this kit allows for the recessed installation of the LYRA EVO



**LV22IS08-A / LV32IS08-A** - Down arrow pictogram. Use it to configure the luminaire in case of double face down signal. Available in 22m and 32m versions



**LV KT FP** - Bracket for wall fastening  
It is needed for the wall-installation of the LYRA EVO using the fastenings of the 503 box

It allows to perform the manual functional test also on the REST MODE models.

It allows to reduce by half the luminosity in cinemas and theatres.



**GRIG05** - Protective grating made in galvanised metal for complete protection of the luminaire body against accidental blows or acts of vandalism. Only for wall mounting in combination with the LV KT FP kit

ORDER CODE	SHORT CODE	DESCRIPTION
GRIG05	A 016	PROTECTIVE GRATING
LVKTFB	A 031	CLASP FOR FLAG-STYLE FASTENING LYRA EVO
LVKTFP	A 032	CLASP FOR WALL FASTENING LYRA EVO
LVKTFS	A 033	CLASP FOR CEILING FASTENING LYRA EVO
LVKTINC	A 034	KIT FOR FALSE CEILING WITH INOX STEEL SHEET
LVKTSOS	A 035	KIT FOR SUSPENSION INSTALLATION LYRA EVO
KITLVISO	A 163	4 PICTOGRAMS KIT FOR ORION AND LYRA EVO 32 M
KITLVISO-22	A 164	PICTOGRAMS FOR LYRA EVO 22M
LV22IS08-A	A 282	PICTOGRAM FOR LYRA EVO 22M DOWN DIRECTION LEFT
LV32IS08-A	A 283	PICTOGRAM FOR LYRA EVO 32M DOWN DIRECTION LEFT
LVKTINC-B	A 284	KIT FOR FALSE CEILING WITH WHITE METAL SHEET
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	VISIBILITY	BATTERY
REST MODE	LV22N10ABR	LV 1201	1,7	1 h	M	22m	Ni-Cd 4,8V 0,5Ah
	LV22N30ABR	LV 1202	1,7	3 h	M	22m	Ni-Cd 4,8V 0,5Ah
	LV32N10ABR	LV 1203	1,7	1 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LV32N30ABR	LV 1204	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah
ENERGY TEST	LV22N10ABRT	LV 1301	1,7	1 h	M	22m	Ni-Cd 4,8V 0,5Ah
	LV22N30ABRT	LV 1302	1,7	3 h	M	22m	Ni-Cd 4,8V 0,5Ah
	LV32N10ABRT	LV 1303	1,7	1 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LV32N30ABRT	LV 1304	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah
SPY SYSTEM	LV22N10ABRC	LV 1501	1,7	1 h	M	22m	Ni-Cd 4,8V 0,5Ah
	LV22N30ABRC	LV 1502	1,7	3 h	M	22m	Ni-Cd 4,8V 0,5Ah
	LV32N10ABRC	LV 1503	1,7	1 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LV32N30ABRC	LV 1504	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah
SPY SYSTEM WIRELESS	LV22N10ABRW	LV 2401	1,8	1 h	M	22m	Ni-Cd 4,8V 0,5Ah
	LV22N30ABRW	LV 2402	1,8	3 h	M	22m	Ni-Cd 4,8V 0,5Ah
	LV32N10ABRW	LV 2403	1,8	1 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LV32N30ABRW	LV 2404	1,8	3 h	M	32m	Ni-Cd 4,8V 0,5Ah
DALI	LV22N10ABRD	LV 1601	1,7	1 h	M	22m	Ni-Cd 4,8V 0,5Ah
	LV22N30ABRD	LV 1602	1,7	3 h	M	22m	Ni-Cd 4,8V 0,5Ah
	LV32N10ABRD	LV 1603	1,7	1 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LV32N30ABRD	LV 1604	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LV22000IBS-D	LV 1605	1,3		L	22m	
	LV32000IBS-D	LV 1606	1,3		L	32m	
CENTRAL BATTERY	LV22000IBS	LV 1901	1,3		L	22m	
	LV32000IBS	LV 1902	1,3		L	32m	
SPY CENTER	LV22000IBS-SC	LV 2001	1,3		L	22m	
	LV32000IBS-SC	LV 2002	1,3		L	32m	
SPY CENTER 24	LV22000IBS-SC24	LV 2101	0,8		L	22m	
	LV32000IBS-SC24	LV 2102	0,8		L	32m	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51



# Lexit



Maintained (M)	3 W
Non-Maintained (N/M)	0,8 W

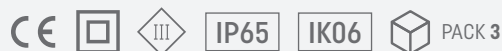


High luminosity

New panel for better diffusion and uniformity of light

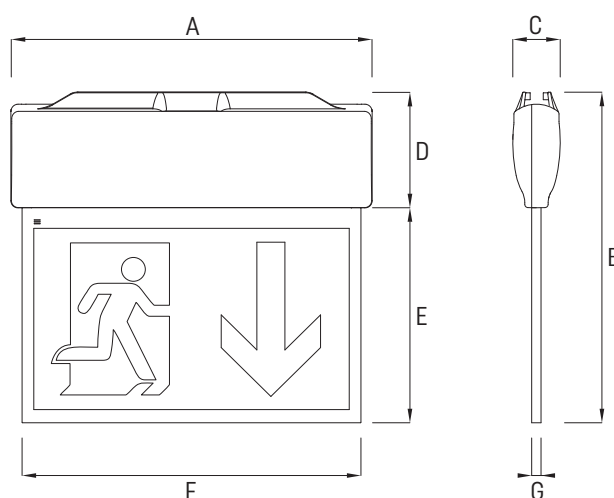
High protection degree IP65

Guaranteed for outdoor areas such as industrial buildings, parking lots, warehouses, garages



## TECHNICAL FEATURES

- Also works in non maintained mode (N/M)
- Installation with double and single side with pictograms kit supplied as per standard
- Pre-disposition for ceiling and flag style installation
- Installation: wall, recessed and suspended using small chains
- Maximum recharging time: 12h
- Compliant with European standards EN 60598-1, EN 60598-2-22
- No photobiological risk compliant with EN 62471



A=309 mm B=283 mm C=41 mm D=99 mm  
E=185 mm F=290 mm G=8 mm

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## STANDARD ACCESSORIES



**LV KT FB** - Bracket for flag style fastening  
The bracket is flexible on the 503 box for the flag style installation of the LEXIT ceiling light



**LV KT FS** - Bracket for ceiling fastening  
For the ceiling installation of the LEXIT



**KIT LX ISO** - Kit with pictograms for all the signs  
(arrow right, left, down)



## ACCESSORIES TO BE ORDERED SEPARATELY



**LV KT SOS** - Kit for suspension installation  
The kit includes the eyelets and small chains for the suspended fastening of the LEXIT



**LX KT INC** - Kit for recessed installation on a false ceiling. So as to leave only the signalling panel visible; this kit allows for the recessed installation of the LEXIT



**LX KT INC-B** - Kit for recessed installation on a false ceiling in white colour. So as to leave only the signalling panel visible; this kit allows for the recessed installation of the LEXIT



**LX32IS08-A** - Down arrow pictogram. Use it to configure the luminaire in case of double face down signal



**LV KT FP** - Bracket for wall fastening  
It is needed for the wall-installation of the LEXIT using the fastenings of the 503 box



**GRIG05** - Protective grating - Made in galvanised metal for complete protection of the luminaire body against accidental blows or acts of vandalism. Only for wall mounting in combination with the LV KT FP kit

ORDER CODE	SHORT CODE	DESCRIPTION
GRIG05	A 016	PROTECTIVE GRATING
LVKTFB	A 031	CLASP FOR FLAG-STYLE FASTENING LYRA EVO
LVKTFP	A 032	CLASP FOR WALL FASTENING LYRA EVO
LVKTFS	A 033	CLASP FOR CEILING FASTENING LYRA EVO
LVKTSOS	A 035	KIT FOR SUSPENSION INSTALLATION LYRA EVO
LXKTINC	A 036	KIT FOR FALSE CEILING WITH INOX STEEL SHEET
LXKTINC-B	A 285	KIT FOR FALSE CEILING WITH WHITE METAL SHEET
KITLXISO	A 317	KIT 4 PICTOGRAMS FOR LEXIT
LX32IS08-A	A 318	PICTOGRAM FOR LEXIT DOWN DIRECTION LEFT
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	VISIBILITY	BATTERY
REST MODE	LX32N10ABR	LX 1201	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LX32N30ABR	LX 1202	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah
ENERGY TEST	LX32N10ABRT	LX 1301	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LX32N30ABRT	LX 1302	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah
SPY SYSTEM	LX32N10ABRC	LX 1501	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LX32N30ABRC	LX 1502	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah
SPY SYSTEM WIRELESS	LX32N10ABRW	LX 2401	3,1	1 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LX32N30ABRW	LX 2402	1,8	3 h	M	32m	Ni-Cd 4,8V 0,5Ah
DALI	LX32N10ABRD	LX 1601	3	1 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LX32N30ABRD	LX 1602	1,7	3 h	M	32m	Ni-Cd 4,8V 0,5Ah
	LX32000IBS-D	LX 1603	2		L	32m	
CENTRAL BATTERY	LX32000IBS	LX 1901	2		L	32m	
SPY CENTER	LX32000IBS-SC	LX 2001	2		L	32m	
SPY CENTER 24	LX32000IBS-SC24	LX 2101	0,8		L	32m	

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51

# Astra



Maintained (M)	2,9 W
Brightness reduced (MOVIE)	0,6 W
Non-Maintained (N/M)	0,3 W



Only one bracket for  
3 type of installation

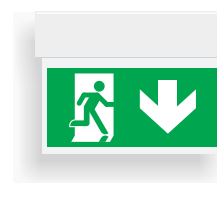
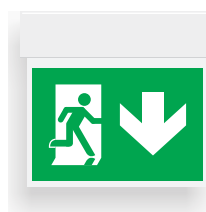
Battery duration selectable  
according to the need

Suited for entertainment  
venues



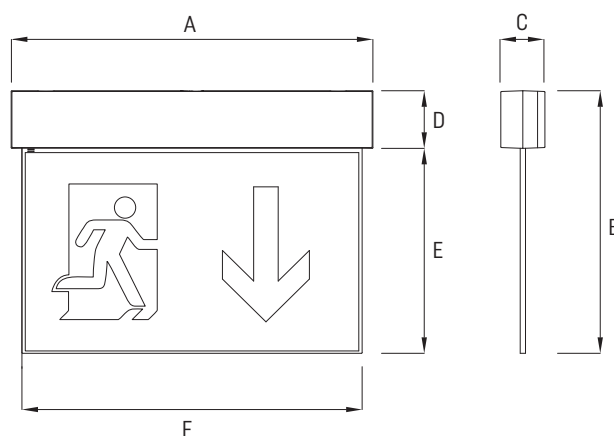
32 m

22 m



## TECHNICAL FEATURES

- Viewing distance of 22m and 32m
- Selectable duration: 1h, 2h, 3h
- Features adjustable output lighting when powered by mains, or use in cinemas and theatres
- Also configurable in non maintained (N/M) mode
- One or two-side installation with pictogram kit supplied
- Installation: ceiling, wall, fag style, recessed and suspended
- High efficiency Li-FePO4 battery
- Installable on 3-module boxes
- Maximum battery charge time of 12h
- Compliant with European standards EN 60598-1, EN 60598-2-22, EN 1838
- No photobiological risk compliant with EN 62471



**VISIBILITY 32 M** A=271 mm B=206 mm C=33 mm  
D=43 mm E=163 mm F=255 mm

**VISIBILITY 22 M** A=271 mm B=167 mm C=33 mm  
D=43 mm E=123 mm F=255 mm

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## SINGLE BRACKET SUPPLIED



Flag style



Ceiling mount



Wall mount

## STANDARD ACCESSORIES



**KIT AS ISO-22 - KIT AS ISO-32** - Kit with pictograms for all the signs (arrow right, left, down). Available in 22m and 32m versions

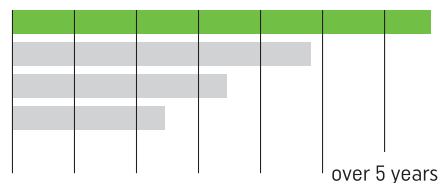


**ASKTSTAF** - Fixing bracket for ceiling, wall and flag style installation of the luminaire



**Li-FeP04 Battery**  
service efficiency

Li-FeP04  
NiMH  
NiCd  
Pb



## ACCESSORIES TO BE ORDERED SEPARATELY



**AS KT SOS** - Kit for suspension installation  
The kit includes the eyelets and small chains for the suspended fastening of the ASTRA



**AS KT INC** - Kit for recessed installation on a false ceiling. So as to leave only the signalling panel visible; this kit allows for the recessed installation of the ASTRA



**AS KT INC-B** - Kit for recessed installation on a false ceiling in white colour. So as to leave only the signalling panel visible; this kit allows for the recessed installation of the ASTRA



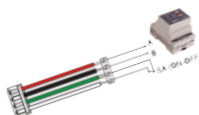
**AS22IS08-A / AS32IS08-A** - Down arrow pictogram. Use it to configure the luminaire in case of double face down signal. Available in 22m and 32m versions



**AS KT 503** - Bracket for wall fastening  
It is needed for the wall-installation of the ASTRA using the fastenings of the 503 box



**GRIG05** - Protective grating  
Made in galvanised metal for complete protection of the luminaire body against accidental blows or acts of vandalism. Only for wall mounting



**KIT ALIM AS** - Kit consisting of wires and connector for connection with interruptible permanent lighting and/or rest mode by means of Commander

ORDER CODE	SHORT CODE	DESCRIPTION
ASKTINC	A 001	KIT FOR FALSE CEILING WITH GREY METAL SHEET
ASKTSOS	A 002	KIT FOR SUSPENSION INSTALLATION ASTRA
GRIG05	A 016	PROTECTIVE GRATING
ASKT503	A 068	BRACKET FLUSH BOX 503 SERIES ASTRA
ASKTSTAF	A 081	BRACKET SERIES ASTRA
KITASISO-22	A 161	PICTOGRAMS FOR ASTRA 22M
KITASISO-32	A 162	PICTOGRAMS FOR ASTRA 32M
KITALIMAS	A 252	KIT FOR PERMANENT SWITCHING/COMMANDER FOR ASTRA
AS22IS08-A	A 277	PICTOGRAM FOR ASTRA 22M DOWN DIRECTION LEFT
AS32IS08-A	A 278	PICTOGRAM FOR ASTRA 32M DOWN DIRECTION LEFT
ASKTINC-B	A 279	KIT FOR FALSE CEILING WITH WHITE METAL SHEET
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	VISIBILITY	BATTERY
REST MODE	AS22F30ABR	AS 1201	2,9	1 h/2 h/3 h	M	22m	Li-FeP04 3,2V 1,5Ah
	AS32F30ABR	AS 1202	2,9	1 h/2 h/3 h	M	32m	Li-FeP04 3,2V 1,5Ah

\* Note: the power (expressed in W) absorbed by the appliance is intended when the battery is charged.

# Qube



Available in two versions  
with 26 m or 44 m visibility

Wall mount or ceiling  
installation



PACK 1

44 m

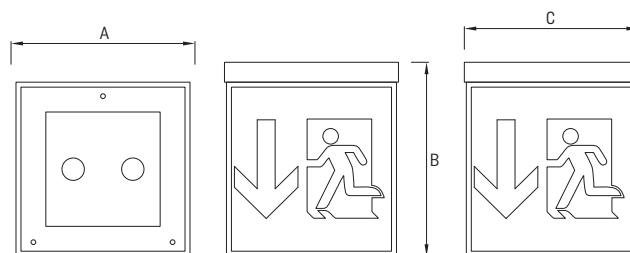


26 m



## TECHNICAL FEATURES

- Viewing distance of 26m and 44m
- Test button to verify correct operation in emergency mode
- Kit with pictograms supplied as standard
- Protection rating: IP32 (26m) - IP43 (44m)
- Installation: ceiling and wall
- Installation with 50 or 100cm rigid extruded aluminum rod. Installation with chains (by ordering the dedicated kit)
- Compliant with European standards EN 60598-1, EN 60598-2-22, EN 1838
- Photobiological hazard free according to standard EN 62471



**VISIBILITY 44 M** A=250 mm B=270 mm C=250 mm

**VISIBILITY 26 M** A=175 mm B=179 mm C=175 mm



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## ACCESSORIES TO BE ORDERED SEPARATELY



**QUKTSOS** - Suspension kit for QUBE (ceiling fixing brackets not included)



**KIT QU 26 ISO - KIT QU 44 ISO**  
Kit with squared pictograms for all the signs  
(arrow right, left, down)



**QUPEND100 - QUPEND50** - Pendulum kit for QUBE.  
Available in 100cm and 50cm versions

ORDER CODE	SHORT CODE	DESCRIPTION
QUKTSOS	A 040	KIT FOR SUSPENSION INSTALLATION QUBE
QUPEND100	A 041	KIT FOR QUBE PENDULUM 100CM
QUPEND50	A 042	KIT FOR QUBE PENDULUM 50CM
KITQU26ISO	A 165	PICTOGRAMS FOR QUBE
KITQU44ISO	A 166	PICTOGRAMS FOR QUBE

	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	TYPE N/M - M - L	VISIBILITY	BATTERY
<b>ENERGY TEST</b>	QU26N30EBST	QU 1301	3 h	N/M	26m	Ni-Cd 3,6V 0,9Ah
	QU44N30EBST	QU 1302	3 h	N/M	44m	Ni-MH 3,6V 2,5Ah
	QU26N30ABST	QU 1303	3 h	M	26m	Ni-Cd 3,6V 0,9Ah
	QU44N30ABST	QU 1304	3 h	M	44m	Ni-MH 3,6V 2,5Ah
<b>CENTRAL BATTERY</b>	QU26000IBS	QU 1901		L	26m	
	QU44000IBS	QU 1902		L	44m	
<b>SPY CENTER</b>	QU26000IBS-SC	QU 2001		L	26m	
	QU44000IBS-SC	QU 2002		L	44m	
<b>SPY CENTER 24</b>	QU26000IBS-SC24	QU 2101		L	26m	
	QU44000IBS-SC24	QU 2102		L	44m	

**Note.** The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture.

# Big One



Ideal for large areas  
Available in the  
versions with 60 m  
and 80 m visibility  
Low environmental  
impact



IP40

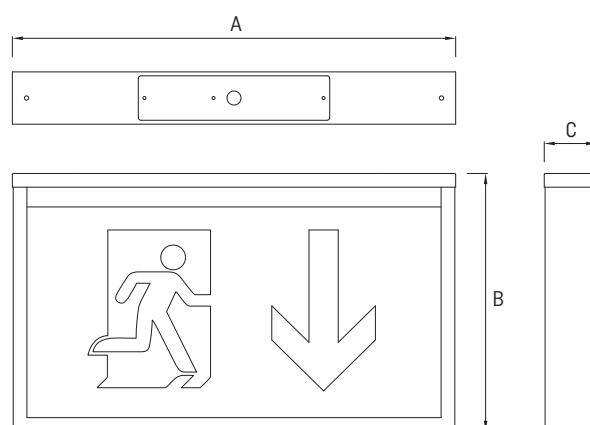


PACK 1

60 m



80 m



## TECHNICAL FEATURES

- Not maintained (N/M) operation option
- High brightness polycarbonate panel
- Pictograms in PVC to be ordered separately
- Available in white colour (RAL 9003)
- Max battery recharge time: 12h
- Compliant with European standards EN 60598-1, EN 60598-2-22
- Photobiological hazard free according to standard EN 62471

**VISIBILITY 80 M** A=840 mm B=472 mm C=72 mm

**VISIBILITY 60 M** A=646 mm B=377 mm C=72 mm



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## METHOD OF INSTALLATION



Ceiling



Wall-mounted

Available in two  
big formats.



## ACCESSORIES



BGKTSOS - Suspension kit for BIG ONE



New European Pictograms. for all the signs  
(arrow right, left, down). Available in 60m and  
80m versions

ORDER CODE	SHORT CODE	DESCRIPTION
BGKTSOS	A 003	KIT FOR SUSPENSION INSTALLATION BIG ONE
BG60IS01	A 136	PICTOGRAM FOR BIG ONE 60M IS01
BG60IS02	A 137	PICTOGRAM FOR BIG ONE 60M IS02
BG60IS08-A	A 139	PICTOGRAM FOR BIG ONE 60M IS08
BG60IS08-B	A 140	PICTOGRAM FOR BIG ONE 60M IS08
BG80IS01	A 141	PICTOGRAM FOR BIG ONE 80M IS01
BG80IS02	A 142	PICTOGRAM FOR BIG ONE 80M IS02
BG80IS08-A	A 144	PICTOGRAM FOR BIG ONE 80M IS08
BG80IS08-B	A 145	PICTOGRAM FOR BIG ONE 80M IS08
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

	ORDER CODE	SHORT CODE	CONSUMPTION* (W)	DURATION	TYPE N/M - M - L	VISIBILITY	BATTERY
REST MODE	BG60N10ABR	BG 1201	9,4	1 h	M	60m	Ni-Cd 6V 1,8Ah
	BG60N30ABR	BG 1202	10,7	3 h	M	60m	Ni-MH 6V 4Ah
	BG80N10ABR	BG 1203	10,2	1 h	M	80m	Ni-Cd 6V 1,8Ah
	BG80N30ABR	BG 1204	12	3 h	M	80m	Ni-MH 6V 4Ah
ENERGY TEST	BG60N10ABRT	BG 1301	9,4	1 h	M	60m	Ni-Cd 6V 1,8Ah
	BG60N30ABRT	BG 1302	10,7	3 h	M	60m	Ni-MH 6V 4Ah
	BG80N10ABRT	BG 1303	10,2	1 h	M	80m	Ni-Cd 6V 1,8Ah
	BG80N30ABRT	BG 1304	12	3 h	M	80m	Ni-MH 6V 4Ah
SPY SYSTEM	BG60N10ABRC	BG 1501	9,4	1 h	M	60m	Ni-Cd 6V 1,8Ah
	BG60N30ABRC	BG 1502	10,7	3 h	M	60m	Ni-MH 6V 4Ah
	BG80N10ABRC	BG 1503	10,2	1 h	M	80m	Ni-Cd 6V 1,8Ah
	BG80N30ABRC	BG 1504	12	3 h	M	80m	Ni-MH 6V 4Ah
SPY SYSTEM WIRELESS	BG60N10ABRW	BG 2401	9,5	1 h	M	60m	Ni-Cd 6V 1,8Ah
	BG60N30ABRW	BG 2402	10,8	3 h	M	60m	Ni-MH 6V 4Ah
	BG80N10ABRW	BG 2403	10,3	1 h	M	80m	Ni-Cd 6V 1,8Ah
	BG80N30ABRW	BG 2404	12,1	3 h	M	80m	Ni-MH 6V 4Ah
CENTRAL BATTERY	BG60000IBS	BG 1901	15		L	60m	
	BG80000IBS	BG 1902	20		L	80m	
SPY CENTER	BG60000IBS-SC	BG 2001	15		L	60m	
	BG80000IBS-SC	BG 2002	20		L	80m	

\* **Note:** the power (expressed in W) absorbed by the appliance is intended when the battery is charged. The products in the Central Battery range are compatible with the Spy Center system, but they do not have control of the individual fixture. The synchronization procedure for the function and duration tests of Linergy Energy test fixtures is on page 51. The product is factory set to operate with the COMMANDER in the REST MODE mode. For info: support@linergy.it





## Fluorescent emergency luminaires



### Cristal

Ideal for large outdoor areas,  
versatile installation.

---



### Step

Short installation times,  
ideal for indoor areas.

---



### Fox

Ideal for indoor areas.

---



### Seven Plus

Suited for residential applications and  
entertainment venues, recessed installation  
in 6 module box.







# Emergency kit

## WHAT ARE THEY?

The emergency kits allow normal ceiling lights to be used even for emergency lighting. In this way, we have a unique light source with double function, without seeing the emergency system.

## WHY USE THEM?

The kit is especially important in environments of particular architectural value, where the traditional emergency system could upset the beauty of the environment.

## FUNCTIONING TYPE

The emergency kits are available in N/M versions (non-maintained) and M versions (maintained). Normally the latter version is used because in conjunction with the ceiling light where they are installed, they can provide normal and emergency lighting.

## LUMINAIRE MAXIMUM POWER

The emergency kits are characterised by the maximum power of the tube that can be installed: therefore, there will be 58 W kits that can power a 58 W fluorescent tube to maximum and, obviously, tubes with smaller wattage.

## DURATION

Normally, the duration of the emergency kits are supplied for the maximum powerable luminaire. For example, with the 58W models, the stated duration of 1 h is valid for a 58W luminaire. The autonomy increases if the luminaires have lower power.

## CONNECTIONS

The emergency kits lend themselves to different kind of connections: they can be paired with ceiling lights which have a traditional reactor and starter, or with models which have an electronic ballast.

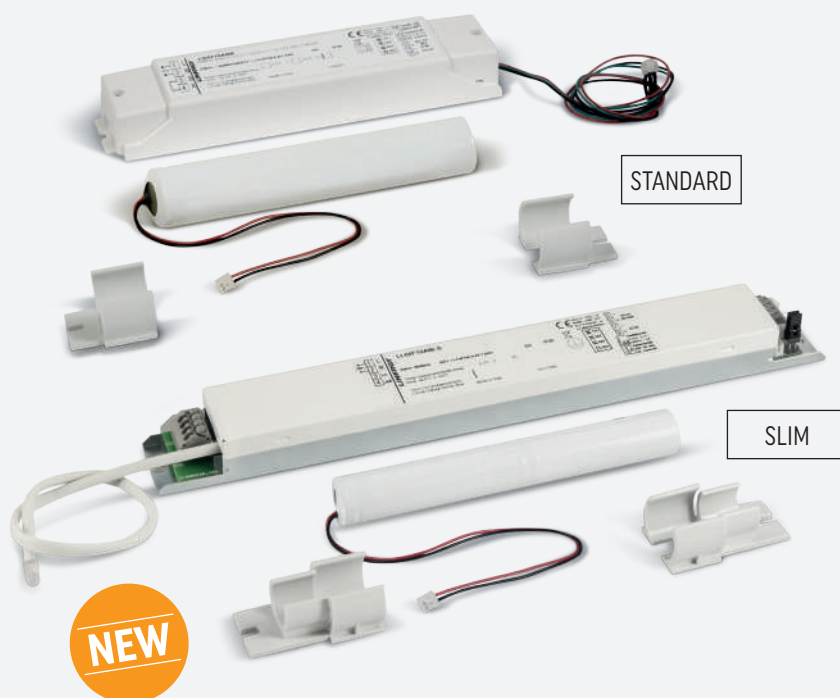
## REST MODE

Also for the control kit, it is important to be able to manage rest mode whenever it is necessary to inhibit emergency system operation. In this case, using the appropriate remote control device, the rest mode can be managed correctly. The luminaires remain inhibited, but they are active and self-restorable in the event of a blackout.

**Note:** the fluorescent tubes that are compatible with Linergy Euroinverter and Fastinverter L models are those with 4 pins.



# Led Inverter



For LED lighting devices  
Available in two formats  
for every installation  
need

Switches the LED driving  
current from ordinary  
lighting to emergency  
lighting

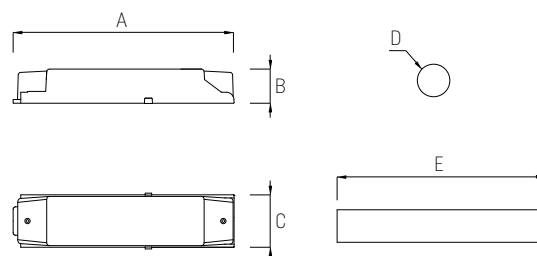
STANDARD IP30 PACK 16

SLIM IP20 PACK 16

## TECHNICAL FEATURES

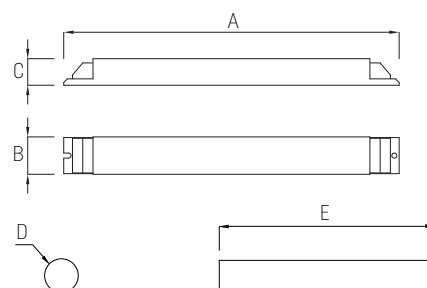
- Led Inverter Standard: ideal for fitting inside/outside the ordinary luminaire
- Led Inverter Slim: ideal for fitting inside the ordinary luminaire
- Low voltage version, compatible with drivers at maximum 60Vdc/2A output
- High voltage version, compatible with drivers at maximum 300Vdc/2A output
- Combined operation - maintained (if used with luminaire driver) and not maintained
- Instant intervention time in the event of a blackout
- Battery recharge and power on Led
- Quick coupling terminal board
- Lithium Iron Phosphate Li-FePO<sub>4</sub> battery: lasts twice as long as traditional Ni-Cd batteries
- Prolonged discharge protection device
- Operation with LED strips max 30W
- Double relay
- Compliant with European standards EN 60598-2-22, EN 61347-1-7

### STANDARD



A=175mm B=27mm C=46mm D=Ø19/27mm E=135mm

### SLIM



A=278mm B=30mm C=22mm D=Ø19/27mm E=135mm

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## OUTPUT IN EMERGENCY

In normal conditions (network present) the Leds light up with maximum power, determined by the driver that powers them. In emergency conditions, the Leds light up with reduced power, because they are powered by the Led Inverter. The maximum output power of the Led Inverter is 4 W.

The output is therefore calculated as follows:

$$\text{OUTPUT (\%)} = 100 \times (4 / \text{MAXIMUM POWER})$$

Example of a 10 W luminaire:

$$\text{Output in emergency mode} = 100 \times (4 / 10) = 40\%$$

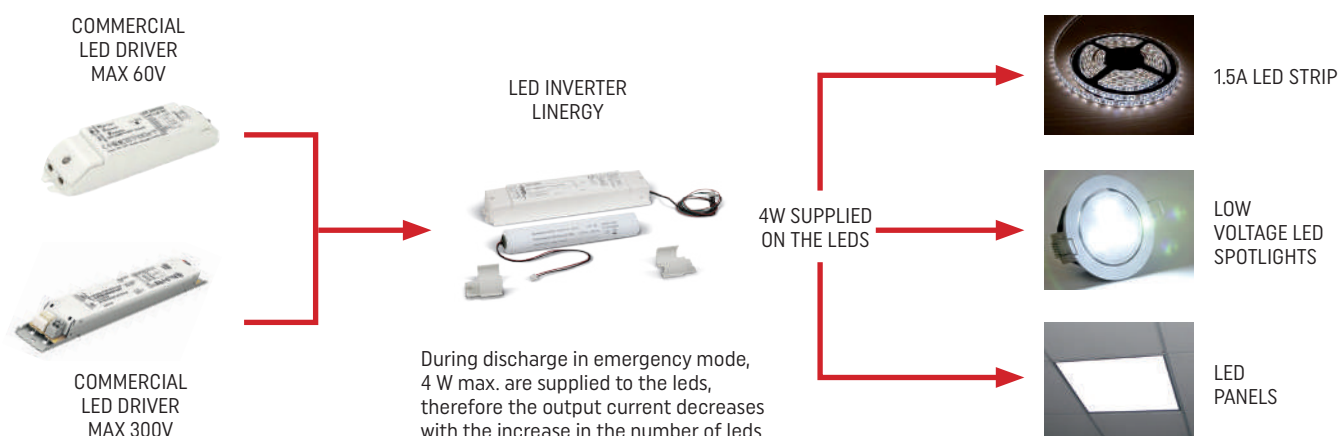


**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions



**KITBOXBAT** - Battery container to be used when the Led Inverter Standard is installed outside the ordinary luminaire

ORDER CODE	SHORT CODE	DESCRIPTION
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE
KITBOXBAT	A 300	CONTAINER FOR BATTERY

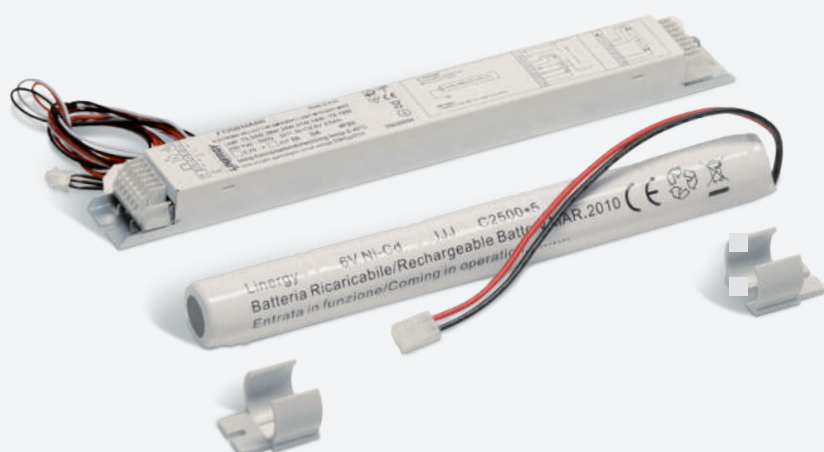


LOW VOLTAGE						HIGH VOLTAGE				
STANDARD	ORDER CODE	SHORT CODE	OUTPUT	DURATION	BATTERY	ORDER CODE	SHORT CODE	OUTPUT	DURATION	BATTERY
REST MODE	LL04F10ABR	LL 1201	4W	1 h	Li-FeP04 6,4V 1,5Ah	LH04F10ABR	LH 1201	4W	1 h	Li-FeP04 6,4V 1,5Ah
	LL04F30ABR	LL 1202	4W	3 h	Li-FeP04 6,4V 3Ah	LH04F30ABR	LH 1202	4W	3 h	Li-FeP04 6,4V 3Ah
ENERGY TEST	LL04F10ABRT	LL 1301	4W	1 h	Li-FeP04 6,4V 1,5Ah	LH04F10ABRT	LH 1301	4W	1 h	Li-FeP04 6,4V 1,5Ah
	LL04F30ABRT	LL 1302	4W	3 h	Li-FeP04 6,4V 3Ah	LH04F30ABRT	LH 1302	4W	3 h	Li-FeP04 6,4V 3Ah
SPY SYSTEM	LL04F10ABRC	LL 1501	4W	1 h	Li-FeP04 6,4V 1,5Ah	LH04F10ABRC	LH 1501	4W	1 h	Li-FeP04 6,4V 1,5Ah
	LL04F30ABRC	LL 1502	4W	3 h	Li-FeP04 6,4V 3Ah	LH04F30ABRC	LH 1502	4W	3 h	Li-FeP04 6,4V 3Ah
SPY SYSTEM WIRELESS	LL04F10ABRW	LL 2401	4W	1 h	Li-FeP04 6,4V 1,5Ah	LH04F10ABRW	LH 2401	4W	1 h	Li-FeP04 6,4V 1,5Ah
	LL04F30ABRW	LL 2402	4W	3 h	Li-FeP04 6,4V 3Ah	LH04F30ABRW	LH 2402	4W	3 h	Li-FeP04 6,4V 3Ah

LOW VOLTAGE						HIGH VOLTAGE				
SLIM	ORDER CODE	SHORT CODE	OUTPUT	DURATION	BATTERY	ORDER CODE	SHORT CODE	OUTPUT	DURATION	BATTERY
REST MODE	LL04F10ABR-S	LL 1203	4W	1 h	Li-FeP04 6,4V 1,5Ah	LH04F10ABR-S	LH 1203	4W	1 h	Li-FeP04 6,4V 1,5Ah
	LL04F30ABR-S	LL 1204	4W	3 h	Li-FeP04 6,4V 3Ah	LH04F30ABR-S	LH 1204	4W	3 h	Li-FeP04 6,4V 3Ah
ENERGY TEST	LL04F10ABRT-S	LL 1303	4W	1 h	Li-FeP04 6,4V 1,5Ah	LH04F10ABRT-S	LH 1303	4W	1 h	Li-FeP04 6,4V 1,5Ah
	LL04F30ABRT-S	LL 1304	4W	3 h	Li-FeP04 6,4V 3Ah	LH04F30ABRT-S	LH 1304	4W	3 h	Li-FeP04 6,4V 3Ah
SPY SYSTEM	LL04F10ABRC-S	LL 1503	4W	1 h	Li-FeP04 6,4V 1,5Ah	LH04F10ABRC-S	LH 1503	4W	1 h	Li-FeP04 6,4V 1,5Ah
	LL04F30ABRC-S	LL 1504	4W	3 h	Li-FeP04 6,4V 3Ah	LH04F30ABRC-S	LH 1504	4W	3 h	Li-FeP04 6,4V 3Ah
SPY SYSTEM WIRELESS	LL04F10ABRW-S	LL 2403	4W	1 h	Li-FeP04 6,4V 1,5Ah	LH04F10ABRW-S	LH 2403	4W	1 h	Li-FeP04 6,4V 1,5Ah
	LL04F30ABRW-S	LL 2404	4W	3 h	Li-FeP04 6,4V 3Ah	LH04F30ABRW-S	LH 2404	4W	3 h	Li-FeP04 6,4V 3Ah

**Note:** The product is factory set to operate with the COMMANDER in the REST MODE mode. For info: support@linergy.it

# Fastinverter L

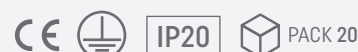


Only for T5, T8 linear and compact 4-pin fluorescent tubes

Technological evolution of traditional emergency units

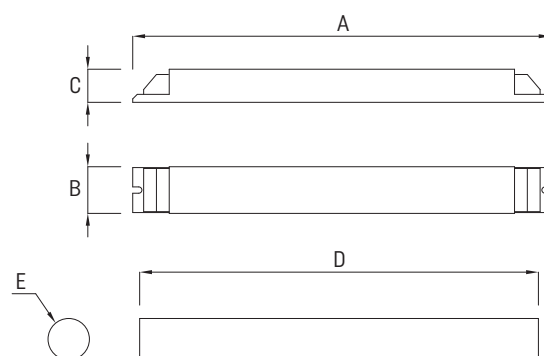
Compatible with almost all existing fluorescent luminaires

Fast charge current followed by a maintenance current for a long battery life



## TECHNICAL FEATURES

- Smaller clearance: height 21 mm
- Quick coupling terminal board
- Maintained operation with ballast or non-maintained
- Possibility of remote management of the rest mode using the COMMANDER
- Battery recharging time: 12h
- Operation of fluorescent TUBEs with 4 PINs
- Compliant with European standards  
EN 60598-2-22, EN 61347-1-7



A=278 mm B=30 mm C=22 mm D=245/298 mm E=Ø 25/32 mm

ORDER CODE	SHORT CODE	DESCRIPTION
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

[support@linergy.it](mailto:support@linergy.it) | technical support (+39) 334 1133875

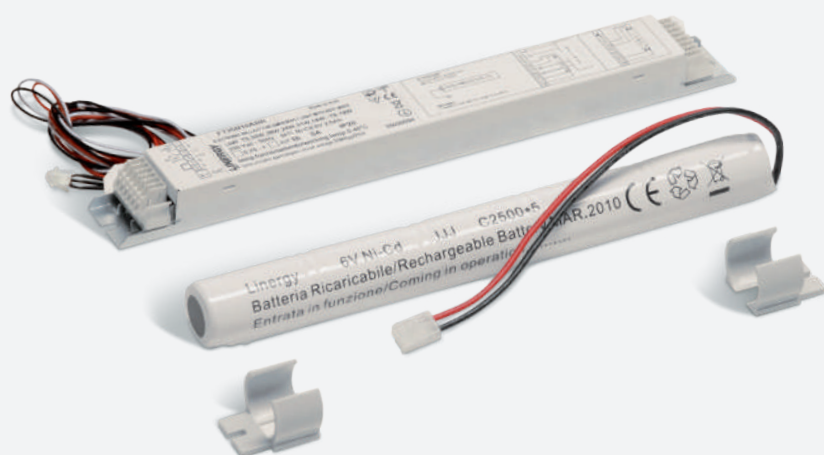
	ORDER CODE	SHORT CODE	OUTPUT T5	OUTPUT T8	DURAT.	BATTERY
REST MODE	FT35N10ABR	FT 1201	T5: 14W(15%)-21W(17%)-24W(9%)-28W(15%)-35W(15%)	T8: 18W(8%)	1 h	Ni-Cd 6V 2,5Ah
	FT35N30ABR	FT 1202	T5: 14W(15%)-21W(17%)-24W(9%)-28W(15%)-35W(15%)	T8: 18W(8%)	3 h	Ni-Cd 6V 5Ah
	FT80N10ABR	FT 1203	T5: 39W(9%)-49W(11%)-54W(9%)-80W(6%)	T8: 36W(7%)-58W(6%)	1 h	Ni-Cd 6V 2,5Ah
	FT80N30ABR	FT 1204	T5: 39W(9%)-49W(11%)-54W(9%)-80W(6%)	T8: 36W(7%)-58W(6%)	3 h	Ni-MH 6V 7Ah
ENERGY TEST	FT35N10ABRT	FT 1301	T5: 14W(15%)-21W(17%)-24W(9%)-28W(15%)-35W(15%)	T8: 18W(8%)	1 h	Ni-Cd 6V 2,5Ah
	FT35N30ABRT	FT 1302	T5: 14W(15%)-21W(17%)-24W(9%)-28W(15%)-35W(15%)	T8: 18W(8%)	3 h	Ni-Cd 6V 5Ah
	FT80N10ABRT	FT 1303	T5: 39W(9%)-49W(11%)-54W(9%)-80W(6%)	T8: 36W(7%)-58W(6%)	1 h	Ni-MH 6V 2,8Ah
	FT80N30ABRT	FT 1304	T5: 39W(9%)-49W(11%)-54W(9%)-80W(6%)	T8: 36W(7%)-58W(6%)	3 h	Ni-MH 6V 7Ah
SPY SYSTEM	FT35N10ABRC	FT 1501	T5: 14W(15%)-21W(17%)-24W(9%)-28W(15%)-35W(15%)	T8: 18W(8%)	1 h	Ni-Cd 6V 2,5Ah
	FT35N30ABRC	FT 1502	T5: 14W(15%)-21W(17%)-24W(9%)-28W(15%)-35W(15%)	T8: 18W(8%)	3 h	Ni-Cd 6V 5Ah
	FT80N10ABRC	FT 1503	T5: 39W(9%)-49W(11%)-54W(9%)-80W(6%)	T8: 36W(7%)-58W(6%)	1 h	Ni-MH 6V 2,8Ah
	FT80N30ABRC	FT 1504	T5: 39W(9%)-49W(11%)-54W(9%)-80W(6%)	T8: 36W(7%)-58W(6%)	3 h	Ni-MH 6V 7Ah

**Industrial Pack** The Fastinverters L are available in 24-pieces industrial packs whenever the individual pack is not requested.  
For the industrial pack add "-C24" to the Model Code. Example: FT35N10ABR-C24

**Note:** The product is factory set to operate with the COMMANDER in the REST MODE mode. For info: [support@linergy.it](mailto:support@linergy.it)  
**Note:** The synchronization procedure for the function and duration tests of Fastinverter L Energy test is on page 51



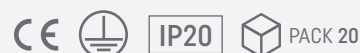
# Fastinverter Alta Resa T8



Only for T8 linear and compact 4-pin fluorescent tubes

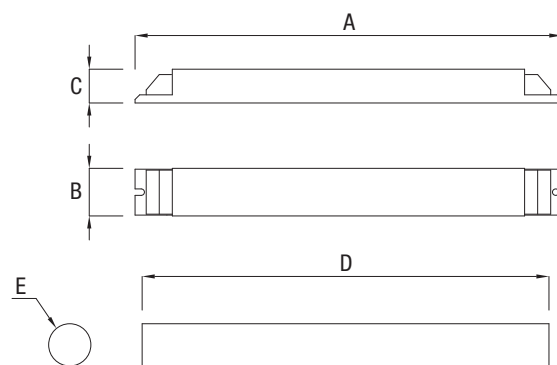
Compatible with almost all existing fluorescent luminaires

Fast charge current followed by a maintenance current for a long battery life



## TECHNICAL FEATURES

- High output: T8 18W (27%) 36W (21%) 58W (15%)
- Small size
- Maintained operation with ballast or not-maintained
- Led for indication of mains on and battery charge
- Protection device against prolonged discharges
- The product is factory set for operating with the commander in rest mode
- Compliant with european standards EN 60598-2-22, EN 61347-1



A=278 mm B=30 mm C=22 mm D=245 mm E=Ø 25 mm

## ACCESSORIES



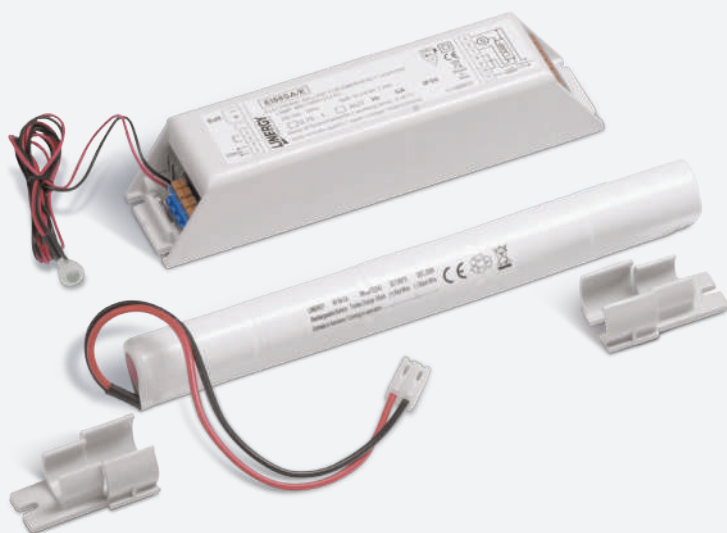
**COMMANDER** - Controller for the remote management of rest mode. Commander manages the rest status and carries out tests on the luminaire. On self-test models it allows for centralized control of the self-diagnosis functions

[support@linergy.it](mailto:support@linergy.it) | [technical support \(+39\) 334 1133875](tel:+393341133875)

ORDER CODE	SHORT CODE	DESCRIPTION
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

	ORDER CODE	SHORT CODE	OUTPUT T8	DURATION	BATTERY
<b>REST MODE</b>	FT58N10ABR	FT 1205	T8: 18W(27%)-36W(21%)-58W(15%)	1 h	Ni-MH 6V 3,3Ah
<b>ENERGY TEST</b>	FT58N10ABRT	FT 1305	T8: 18W(27%)-36W(21%)-58W(15%)	1 h	Ni-MH 6V 3,3Ah
<b>SPY SYSTEM</b>	FT58N10ABRC	FT 1505	T8: 18W(27%)-36W(21%)-58W(15%)	1 h	Ni-MH 6V 3,3Ah

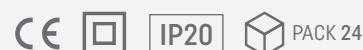
# Euroinverter



Only for T8 linear and compact 4-pin fluorescent tubes

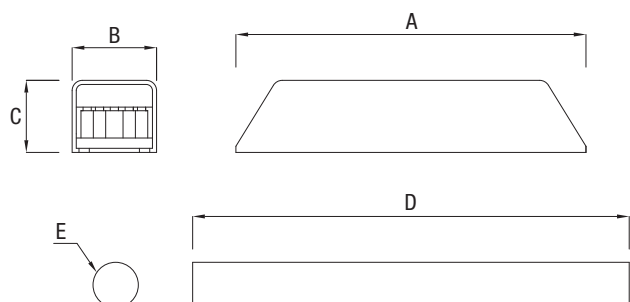
Compatible with both electro magnetic and electronic ballasts

Easy to install also in difficult locations



## TECHNICAL FEATURES

- Turns any fluorescent light source into an emergency light
- For maintained or not maintained emergency lighting
- Quick coupling terminal board
- Maintained operation with ballast or non-maintained
- Maximum battery recharging time: 24h
- Fluorescent tubes 18W-36W-58W T8
- The inverters are also available in industrial packing with 24 pieces (code EI58M-E-C24)
- Compliant with European standards EN 60598-2-22, EN 61347-1-7

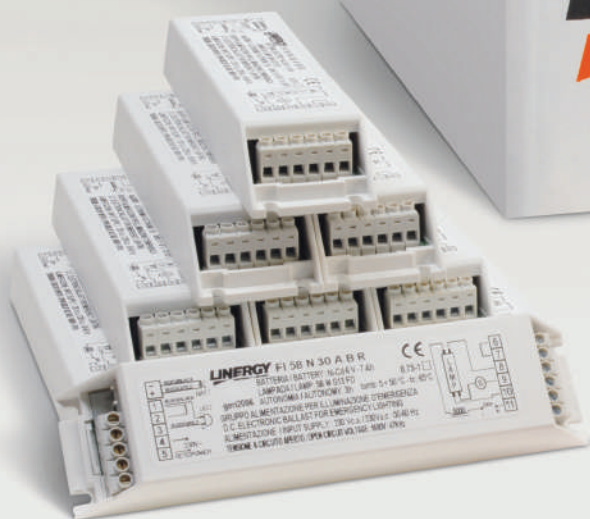


A=170 mm B=41 mm C=35 mm D=212 mm E=Ø 22 mm

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	ORDER CODE	SHORT CODE	OUTPUT T8	DURATION	BATTERY
INHIBIT	EI58SA-E	EI 1101	T8: 18W(15%)-36W(10%)-58W(7%)	1 h	Ni-Cd 6V 1,3Ah
	EI58SA-E-C24	EI 1102	T8: 18W(15%)-36W(10%)-58W(7%)	1 h	Ni-Cd 6V 1,3Ah

**LINERGY**  
EMERGENCY LIGHTING











# Commander



In case of mains failure it can remotely turn on or off the emergency luminaires and control the state of charge

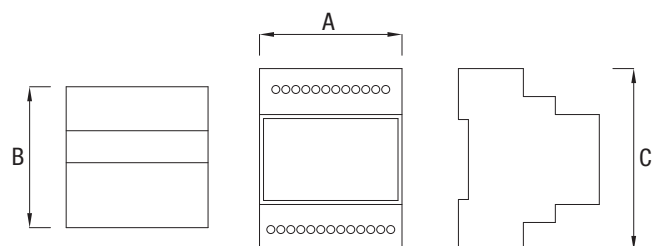
After the mains supply has been restored, the lamps return to their normal state so that they will turn on again at the next blackout

Used to keep the batteries efficient in those installations where the mains supply is turned off for long periods



## TECHNICAL FEATURES

- With the Energy Test models it can be used for remote testing
- Rest mode management compliant with standard EN 60598-2-22
- Max number of luminaires that can be controlled: 120
- Maximum connection distance: 500 m
- Installation on DIN guide (4 modules)
- Battery incorporated
- Weight 230 g



A=71 mm B=70,5 mm C=91 mm

ORDER CODE	SHORT CODE	DESCRIPTION
COMMANDER	CN 0001	CONTROLLER FOR THE REMOTE MANAGEMENT OF REST MODE

 [support@linergy.it](mailto:support@linergy.it) |  technical support (+39) 334 1133875





# Pictograms

Pictograms in conformity with standard UNI EN ISO 7010



01



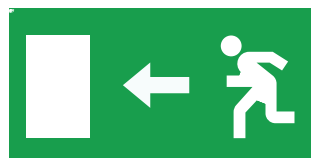
02



08

The pictogram code is established by placing the number that indicates the pictogram type after the four characters indicating the luminaire model.

Custom pictograms are available on request. Examples of non-standard pictograms (**code PITTOGEN**):



D.LGS 81/08



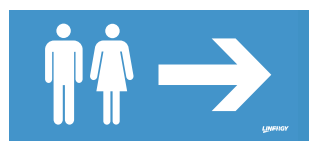
SAFE AREA



EXIT



STAIRWAY EXIT



GENTS-LADIES WC



EXIT



SAFETY EXIT



FIRE ALARM

The management of feasibility and the type coupled to the various sizes, must be performed directly with the Linergy technical dept.

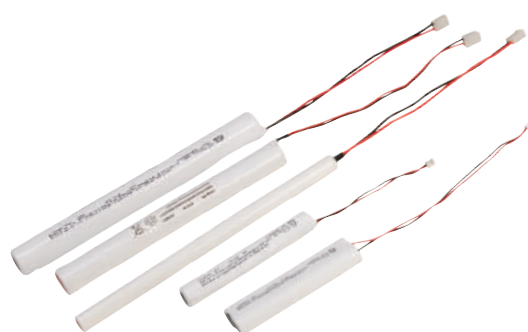
ORDER CODE	SHORT CODE	DESCRIPTION
AS22IS08-A	A 277	PICTOGRAM FOR ASTRA 22M DOWN DIRECTION LEFT
AS32IS08-A	A 278	PICTOGRAM FOR ASTRA 32M DOWN DIRECTION LEFT
AXIS01	A 311	PICTOGRAM FOR ATEX LED ARROW LEFT
AXIS02	A 312	PICTOGRAM FOR ATEX LED ARROW RIGHT
AXIS08	A 313	PICTOGRAM FOR ATEX LED ARROW DOWN
BG60IS01	A 136	PICTOGRAM FOR BIG ONE 60M IS01
BG60IS02	A 137	PICTOGRAM FOR BIG ONE 60M IS02
BG60IS08-A	A 139	PICTOGRAM FOR BIG ONE 60M IS08
BG60IS08-B	A 140	PICTOGRAM FOR BIG ONE 60M IS08
BG80IS01	A 141	PICTOGRAM FOR BIG ONE 80M IS01
BG80IS02	A 142	PICTOGRAM FOR BIG ONE 80M IS02
BG80IS08-A	A 144	PICTOGRAM FOR BIG ONE 80M IS08
BG80IS08-B	A 145	PICTOGRAM FOR BIG ONE 80M IS08
CEIS01	A 146	PICTOGRAM FOR CRISTAL EVO ARROW LEFT
CEIS02	A 147	PICTOGRAM FOR CRISTAL EVO ARROW RIGHT
CEIS08	A 148	PICTOGRAM FOR CRISTAL EVO ARROW DOWN
CRIS01	A 149	PICTOGRAM FOR CRISTAL ARROW LEFT
CRIS02	A 150	PICTOGRAM FOR CRISTAL ARROW RIGHT
CRIS08	A 151	PICTOGRAM FOR CRISTAL ARROW DOWN
FXIS01	A 158	PICTOGRAMS FOR FOX L
FXIS02	A 159	PICTOGRAMS FOR FOX R
FXIS08	A 160	PICTOGRAMS FOR FOX LW
LX32IS08-A	A 318	PICTOGRAM FOR LEXIT DOWN DIRECTION LEFT
KITASISO-22	A 161	PICTOGRAMS FOR ASTRA 22M
KITASISO-32	A 162	PICTOGRAMS FOR ASTRA 32M
KITFGISO	A 281	KIT 4 PICTOGRAMS FOR FLAG

ORDER CODE	SHORT CODE	DESCRIPTION
KITLVIS0	A 163	4 PICTOGRAMS KIT FOR ORION AND LYRA EVO 32 M
KITLVIS0-22	A 164	PICTOGRAMS FOR LYRA EVO 22M
KITLXISO	A 317	KIT 4 PICTOGRAMS FOR LEXIT
KITQU26ISO	A 165	PICTOGRAMS FOR QUBE
KITQU44ISO	A 166	PICTOGRAMS FOR QUBE
KITSWISO	A 167	PICTOGRAMS FOR SWING
LDIS01	A 168	PICTOGRAMS FOR LEDY L
LDIS02	A 169	PICTOGRAMS FOR LEDY R
LDIS08	A 170	PICTOGRAMS FOR LEDY LW
LV22IS08-A	A 282	PICTOGRAM FOR LYRA EVO 22M DOWN DIRECTION LEFT
LV32IS08-A	A 283	PICTOGRAM FOR LYRA EVO 32M DOWN DIRECTION LEFT
PITTOGEN	A 135	CUSTOM PICTOGRAM
PITTOGEN-LARGE	A 308	LARGE CUSTOM PICTOGRAM
PRIS01	A 171	PICTOGRAM FOR PRODIGY ARROW LEFT
PRIS02	A 172	PICTOGRAM FOR PRODIGY ARROW RIGHT
PRIS08	A 173	PICTOGRAM FOR PRODIGY ARROW DOWN
PXIS01	A 288	PICTOGRAM FOR PRODIGY XL ARROW LEFT
PXIS02	A 289	PICTOGRAM FOR PRODIGY XL ARROW RIGHT
PXIS08	A 290	PICTOGRAM FOR PRODIGY XL ARROW DOWN
STIS01	A 177	PICTOGRAM FOR STEP ARROW LEFT
STIS02	A 178	PICTOGRAM FOR STEP ARROW RIGHT
STIS08	A 179	PICTOGRAM FOR STEP ARROW DOWN
SWIS08-A	A 297	PICTOGRAM FOR SWING DOWN DIRECTION LEFT
TKIS01	A 180	PICTOGRAMS FOR ICETEK - LEFT
TKIS02	A 181	PICTOGRAMS FOR ICETEK - RIGHT
TKIS08	A 182	PICTOGRAMS FOR ICETEK - DOWN



# Batteries

CODE	BATTERY	DESCRIPTION
B 004	LI-FEPO4 6,4V 1,5AH	BATTERY LiFePO4 6,4V 1,5AH
B 005	LI-FEPO4 6,4V 3AH	BATTERY LiFePO4 6,4V 3,0AH
B 012	NI-CD 6V 0,7AH	BATTERY NICKD 6V 0,7AH SIZE 1/2A COMMANDER
B 021	NI-MH 6V 3,8AH HT	BATTERY NIMH 6 VOLT 3,8AH 25/245 C HT=55
B 032	LI-ION 3,7V 1,7AH	BATTERY LI-ION 3,7 VOLT 1,7AH 10X34X55
B 033	LI-ION 3,7V 4AH	BATTERY LI-PO 3,7 VOLT 4AH 8X47X96
B 036	NI-CD 4,8V 0,5AH	BATTERY NICKD 4,8 VOLT 0,5AH 14X28X98 AA
B 038	NI-CD 4,8V 1,4AH	Battery NiCd 4,8 Volt 1,4Ah 16,5X33X98 A
B 040	NI-CD 6V 0,8AH	BATTERY NICKD 6V 0,8AH AA
B 042	NI-CD 6V 1,3AH	BATTERY NICKD 6 VOLT 1,3AH D=22 L=212 SC
B 044	NI-CD 6V 1,8AH	BATTERY NICKD 6 VOLT 1,8AH D=22 L=212 SC
B 046	NI-CD 6V 5AH	BATTERY NICKD 6 VOLT 5AH D=32 L=300 D
B 047	NI-MH 4,8V 2AH	BATTERY NIMH 4,8 VOLT 2AH 16,5X33X98 A
B 050	NI-MH 6V 2,8AH	BATTERY NIMH 6 VOLT 2,8AH D=22 L=212 SC
B 052	NI-MH 6V 4AH	BATTERY NIMH 6 VOLT 4AH D=25 L=245 C
B 053	NI-MH 6V 7AH	BATTERY NIMH 6 VOLT 7AH D=32 L=300 D
B 056	NI-CD 6V 0,4AH	BATTERY NICKD 6 VOLT 0,45AH D=17 L=111 2/5A
B 057	NI-CD 6V 0,6AH	BATTERY NICKD 6 VOLT 0,6AH D=14 L=240 AA
B 063	NI-CD 6V 2,5AH	BATTERY NICKD 6 VOLT 2,5AH D=25 L=245 C
B 066	NI-MH 6V 3,3AH	BATTERY NIMH 6 VOLT 3,3AH D=25 L=245 C
B 072	NI-MH 3,6V 40MAH	BATTERY NH 3,6V 40MAH
B 083	NI-CD 4,8V 1,8AH	BATTERY NICKD 4,8V 1,8AH SC FOR NANOLED
B 087	LI-FEPO4 3,2V 1,5AH	BATTERY LiFePO4 3,2V 1,5AH
B 101	LI-FEPO4 3,2V 0,55AH	BATTERY LiFePO4 3,2V 0,55AH SIZE 1450
B 102	LI-FEPO4 3,2V 3AH	BATTERY LiFePO4 3,2V 3AH SIZE 18650
B 103	LI-FEPO4 3,2V 4,5AH	BATTERY LiFePO4 3,2V 4,5AH
B 104	LI-FEPO4 12,8V 3AH	BATTERY LiFePO4 12,8V 3,0AH
B 105	LI-FEPO4 6,4V 1,5AH	BATTERY LiFePO4 6,4V 1,5AH 3P
B 106	LI-FEPO4 6,4V 3AH	BATTERY LiFePO4 6,4V 3,0AH 3P
B 107	NI-MH 4,8V 80MAH	BATTERY NIMH 4,8V 80MAH (K-LED)
B 110	LI-FEPO4 9,6V 1,5AH	BATTERY LiFePO4 9,6V 1,5AH SIZE 18650
B 111	LI-FEPO4 9,6V 3AH	BATTERY LiFePO4 9,6V 3AH SIZE 26650
B 124	LI-FEPO4 6,4V 1,5AH	BATTERY LiFePO4 6,4V 1,5AH 3P SIDE
B 125	NI-CD 3,6V 0,6AH	BATTERY NICKD 3,6V 0,6AH SPRINT-FREE
B 126	NI-CD 3,6V 1,2AH	BATTERY NICKD 3,6V 1,2AH SPRINT-FREE



# Centralized supervision systems batteries

CODE	BATTERY	DESCRIPTION
B 001	LI-FEPO4 3,2V 0,55AH	BATTERY LiFePO4 3,2V 0,55AH SIZE 1450
B 030	PB 12V 75AH	BATTERY LEAD 12V 75AH
B 034	LI-ION 3,7V 4,4AH	Battery Li-PO 3,7 Volt 4Ah 8X47X96
B 067	PB 12V 7AH	BATTERY LEAD 12V 7,2AH
B 070	PB 12V 55AH	BATTERY LEAD 12V 55AH
B 075	PB 12V 24AH	BATTERY LEAD 12V 24AH
B 076	PB 12V 100AH	BATTERY LEAD 12V 100AH
B 079	PB 12V 60AH	BATTERY LEAD 12V 60AH
B 080	PB 12V 42AH	BATTERY LEAD 12V 42AH
B 089	PB 12V 70AH	Battery Pb 12 Volt 70Ah
B 090	PB 12V 90AH	BATTERY LEAD 12V 90AH
B 092	PB 12V 33AH	BATTERY LEAD 12V 33AH
B 100	PB 12V 12AH	BATTERY LEAD 12V 12AH
B 115	PB 12V 150AH	BATTERY LEAD 12V 150AH



# Fluorescent tubes

ORDER CODE	SHORT CODE	DESCRIPTION
LMPNC0112G7	A 127	COMPACT FLUORESCENT LUMINAIRE 11W 2G7
LMPNC0182G11	A 129	COMPACT FLUORESCENT LUMINAIRE 18W 2G11
LMPNC0242G11	A 130	COMPACT FLUORESCENT LUMINAIRE 24W 2G11
LMPNC0242G11C	A 131	COMPACT FLUO. LUMINAIRE 24W STEP/EVOLUTION 2G110C
LMPNL004G5	A 132	LINEAR FLUORESCENT LUMINAIRE 4W G5
LMPNL006G5	A 133	LINEAR FLUORESCENT LUMINAIRE 6W G5
LMPNL008G5	A 134	LINEAR FLUORESCENT LUMINAIRE 8W G5



## SALES

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### ORDER ACCEPTANCE

The orders are subject to the approval of Linergy's business management staff and are understood to be accepted in accordance with general sales conditions stated herein, without reservation of any kind.

Orders received any other way that is different to that stated shall not be accepted.

Any waivers must be confirmed in writing by Linergy. Linergy reserves the right to fulfil orders only partially as well as void them, also for any remaining parts of orders, if the status of the buyer changes. For that not provided for by the general sales conditions, the laws of the Italian Civil Code on that matter shall apply.

### DELIVERY AND SHIPPING OF GOODS

The terms of delivery are always approximate and are normally calculated in working days. Linergy shall with the utmost diligence try to respect the terms indicated on the order, however the buyer may not attempt to cancel the order or be compensated if these terms are not respected. Any modifications of the terms of delivery requested by the buyer must be accepted in writing by Linergy. Freight costs shall be paid by the buyer.

The goods always travel at the risk and danger of the buyer even if they are dispatched free port. In the event of theft or tampering, the buyer must contact to the carrier; any dispute relative to the number and status of the parcels shall be rejected if it is not reported to the carrier and if Linergy is not notified in writing within 8 days of the dispatching of the goods themselves.

### PRICES

The prices are always understood to be ex works Linergy unless there is a different written agreement. The proposal and acceptance of orders are always understood to be in accordance with the prices and conditions which apply at the moment of the delivery of the goods. The prices are understood to be net of VAT and other potential fiscal burdens.

### QUANTITIES - PACKAGING

The quantities ordered are subject to variations in relation to availability and the standard packaging for products.

### RETURNS

Returned goods are not accepted unless pre-emptively authorized in writing by Linergy's business management staff. Shipping costs for any return are to be paid by the customer. Linergy will provide for the accrediting or the rejection of returns only after having checked the condition of returned goods, reserving the right to the recovery of the expenses and costs incurred for the restoration of the products.

### PAYMENTS

The goods are sold with the explicit agreement of reserved ownership in favour of Linergy up until their complete payment. Payments are valid only if they are made at Linergy's registered premises and in accordance with the conditions of the invoice. Any delay in payment, even if partial, shall give Linergy the right to charge interest at the official discount rate increased by 5 percentage points. Any delay in payment authorizes Linergy to suspend the existing orders and supplies.

### DISPUTES

The competent jurisdiction for any disputes is exclusively the Law Court of Ascoli Piceno, with no possibility of any changes. All contracts are governed by Italian law.

## WARRANTY

### WARRANTY CONDITIONS

1. The warranty covers any manufacturing defect of the product or any components used which are acknowledged to be defective by Linergy. During the warranty period the products can be replaced or repaired according to the unquestionable judgment of Linergy. Labour and materials are completely free of charge.  
The guarantee becomes null and void if the material has been tampered with or repaired by personnel not authorized by Linergy
2. The warranty does not apply in case of damage caused:  
By failure to respect the assembly, maintenance and usage instructions.  
By atmospheric phenomenon, overvoltages or over-currents due to causes that are external to the product.  
By damage occurring during the transport. Damage occurring during transport shall be acknowledged only if a written claim is made to the carrier when the material is picked-up and a copy of said claim is given to Linergy.  
Damage caused by use that contradicts the technical and/or safety measures required in the country in which the products are utilized.
3. Any complaints regarding faults and/or functioning defects must be made within thirty days of their discovery or the warranty will become null and void. In the event of disputes relating to the quality and condition of the product, article 1513 of the Italian Civil Code shall apply.

### WARRANTY TERMS

#### FIXED LUMINAIRES - EMERGENCY KIT

1. The products are guaranteed for 2 years from the purchase date of the ceiling light.
2. The light sources and leds are guaranteed for 2 years.
3. The fluorescent tubes are guaranteed for 6 months.
4. The storage batteries already installed onto the luminaires are guaranteed for 4 years from the manufacturing date of the ceiling light.  
The storage batteries that are purchased as spare parts are guaranteed for 2 years from the manufacturing date on the condition that, what is provided for by European regulations, is applied.
5. The manufacturing date is reported on each individual luminaire via an identification code of the production batch.

#### SPY SYSTEM AND SPY CENTER

1. The guarantee on this equipment is for 2 years from the start-up date, proven by a document which Linergy must receive in writing.

#### ACCESSORIES

1. All the fixed-luminaire accessories are guaranteed for 2 years.
2. All the accessories of the Spy System and Spy Center control units are guaranteed for 2 years from the start-up date.

#### 5 YEARS WARRANTY

1. The 5-year warranty applies only to products that have the relative logo shown on the catalogue pages.
2. The extension of the warranty to 5 years only concerns products not subjected to negligence, improper use, tampering, and/or repairs by third parties, as well as accidental damage such as lightning and/or over-voltage.
3. The electronic components, subject to normal wear over time, are excluded from the warranty.

CERTIFIED COMPANY  
UNI EN ISO 9001







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