CATALOGUE

safety lighting

2024

Beghelli
PRÄZISA

Rev.-No. S2024-03

LIGHT IS SAFETY

True to this motto, **Beghelli PRÄZISA Deutschland** has been a competent partner worldwide for more than three decades for specialist planners, expert companies, industries, trade and commerce. We develop, manufacture and distribute **safety lighting** as well as **interior and exterior lighting**.

Important criteria for the design of our products are the **preservation of resources** and the **protection of the environment**.This is done through products with **high efficiency** and simple operation. This reduces the costs of mounting, installation and operation. The latter through lower **energy consumption and longer service life**. Our standards for general and safety lighting are very high.

We are constantly developing new functions and designs of innovative lighting concepts. This way we do not just provide safety through lighting, but also stage buildings and public spaces.

RELIABLE

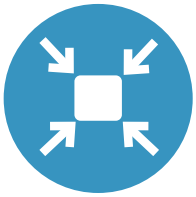
For lighting control and monitoring, we have been relying on wireless communication according to the Zigbee® standard for more than 15 years. This allows optimal management of indoor and outdoor lightings. The standard is particularly advantageous for construction of new lightings as well as the renovation of existing lightings.

SUSTAINABLE

Our concepts Smart Lighting and Sicuro Safety Lighting are extremely efficient. Luminaire power is reduced up to 75%, luminaire quantity up to 40%. Assembly and maintenance are easy. This saves energy and protects the environment.

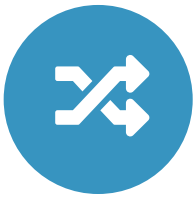
INNOVATIVE

Our products of the latest generation are equipped with long-lasting LIFE batteries (Lithium-Ferro-Phosphate). We provide a guarantee of 10 years on the variant „LIFE“ with an operating temperature range of -10 °C to +45 °C and a guarantee of 5 years on the variant „LIFE ECO“ with an operating temperature range of 0 °C to +40 °C.



COMPACT

Pratica Modula is a variable escape sign and safety luminaire. The on-finery or under-finery installation is carried out over novel mounting adapters with integrated water level. The mounting adapters, which can also be used as junction boxes for all incoming and outgoing cables, are only used for the connection to an integrated plug fixture as well as for accommodation of optional conversion sets, interfaces and subsidiary batteries. The actual luminaire can consequently be configured and (in battery operation) programmed comfortable on a work surface and only needs finally to be latched onto the mounting adapter with the integrated plug fixture.



VARIABLE

Pratica Modula Matrix is a multifunctional safety luminaire which offers the same properties as the luminaire Pratica Modula regarding the installation. The light distribution takes place variable through desired setting of a LED matrix (in 5 LED groups), which is equipped with special lenses. Overall 4 light distributions are at choice for different applications.

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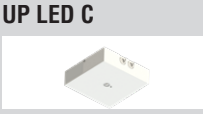
SAFETY LUMINAIRES

	Page	Battery guarantee on self-contained supply	Mounting type / Viewing distance / Type of protection / Impact resistance / Special properties
Pluraluce	66 – 69	10 YEARS GUARANTEE 5 YEARS GUARANTEE	IP20 IP41 IP42 IK07
Lumax	70 – 71	10 YEARS GUARANTEE	IP41 IK03
Lumax65	72 – 73	10 YEARS GUARANTEE	IP65 IK10 UV
Acciaio High	74 – 75		IP66 IK09 UV Oil
LLL Extreme	76 – 79	10 YEARS GUARANTEE	IP65 IK09 Ex UV Oil
S-In	80 – 81		IP65 IK09
Triangle	82 – 83	10 YEARS GUARANTEE	IP66 IK09 UV V2A
F30 / F50 / F70 LED	84 – 85	5 YEARS GUARANTEE	IP65 IK09 UV Oil
UP LED M	86 – 87	10 YEARS GUARANTEE	IP20 IP40 IK05
UP LED C 	88 – 89	10 YEARS GUARANTEE	IP40 IK07
Infinita LED X5	90 – 93	10 YEARS GUARANTEE	IP65 IK08
DOT	94 – 97	10 YEARS GUARANTEE 5 YEARS GUARANTEE	IP20 IP65 IK07
Pratica Modula Matrix	98 – 101	10 YEARS GUARANTEE	IP40 IP42 IP65 IK07

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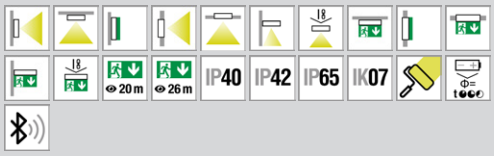
VARIABLE ESCAPE SIGN AND SAFETY LUMINAIRES	**Pratica Modula**	102 – 105	10 YEARS GUARANTEE	
	Kubus	106 – 109	10 YEARS GUARANTEE	
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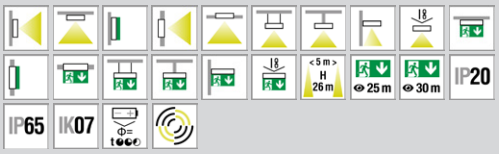
	Formula65	118 – 121	10 YEARS GUARANTEE	
	Aestetica	122 – 123		
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	Tula	128 – 131		

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		Page	Mounting type / Viewing distance / Type of protection / Impact resistance / Special properties
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COMBINED SAFETY SIGN AND SAFETY LUMINAIRES	**Sign LED**	132 – 133 10 YEARS GUARANTEE	26 m IP40 IK05
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B.CONNECT - THE BEGHELLI APP FOR ADMINISTRATION OF TEST DEVICES AND EQUIPMENT, LOCAL OR THROUGH REMOTE ACCESS

B.connect

Download on the App Store

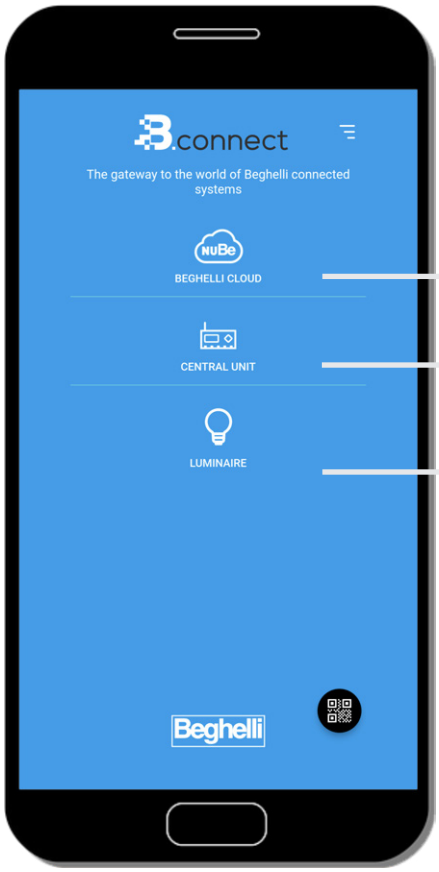
GET IT ON Google Play

B.connect is the app for the local access to the equipment of many Beghelli systems.

It is available to all installers and other users and enables it directly to access luminaires of the safety lighting with self-contained supply over an optical interface (unidirectional) per flashlight of the smartphone camera or over Bluetooth®. For an indirect access, various central test devices can be connected over LAN and WLAN with the smartphone in order to reach the luminaires of the safety lighting with self-contained supply over the respectively used cable or radio bus of the test device. QR codes attached to central test devices are simplifying their adding into the app. A variety of functions are available for monitoring and control. B.connect offers furthermore a direct connection to NuBe, whereby the advantages of the app merge with the advantages of the cloud to build a common unit in perfect cooperation. B.connect supports automatic test devices for self-contained supply. The app is available for free.

MAXIMUM DATA SECURITY

...the connection to the equipment is secure and password-protected.



Access to the added central test device through change in the cloud NuBe.

All programming made with B.connect as well as saved test book entries are transferred in NuBe by a synchronization procedure and are then immediately available.

Indirect access to the read-in equipment of the added central test device through communication over LAN and WLAN with the test device.

B.connect is designed for a quick adding of compatible central test devices through the use of QR codes. The serial number (ID) and simultaneously the type of the test device are recognized at it. After the adding of the test device, all essential functions are already available for a further proceeding. A local network is here sufficient for a solely function of B.connect, even without internet. Depending on the type of test device, the network can be configured either in mode STA or AP regarding WLAN.

Direct access to the read-in equipment of the added central test device as well as to the equipment of systems without central test device through communication over an optical interface or Bluetooth® with the respective equipment.

B.connect uses the flashlight of the smartphone camera as an optical interface (unidirectional). A patented communication technology, which is based on the emission of light impulses that equipment equipped with an intelligent photo sensor can pick up and understand. In this way, any functions can be transferred with just one „tool“ - the smartphone.

The **smartphone** becomes the **programming device**

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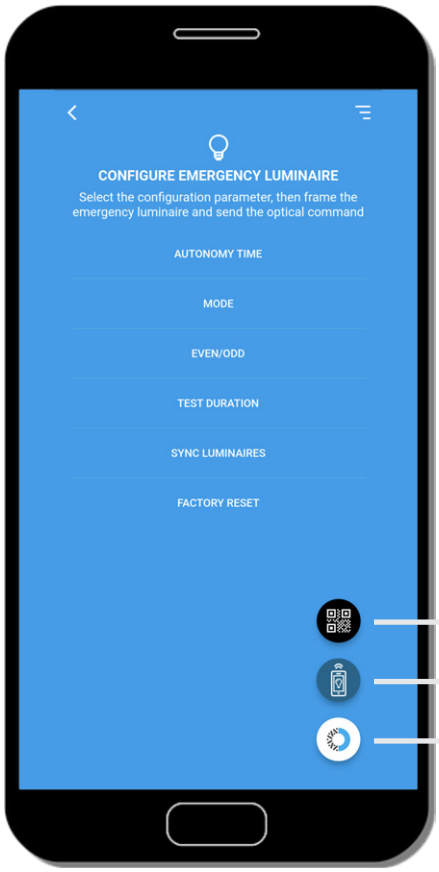
Information - quick and specific

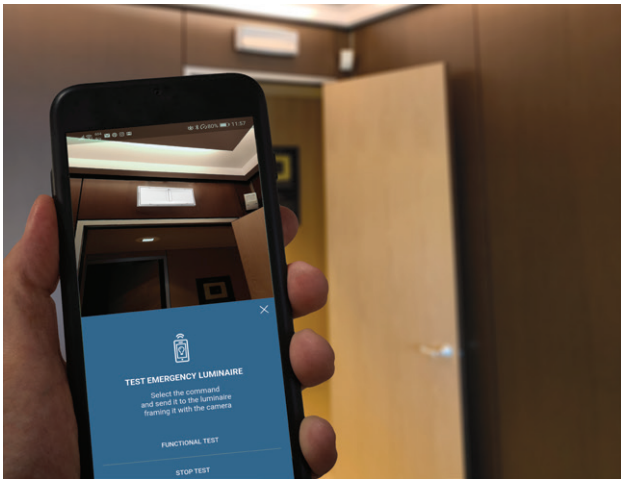
Beside the central test devices, also luminaires and other equipment is labelled with a QR code. This enables the call-up of content of our web catalogue. Product designations, updated instructions in PDF format and respective order codes for the particular equipment as well as for available spare parts are making the work on the system enormously easier - quite without any paper.



Web catalogue over **QR codes** of the equipment callable

Test procedures - selective and uncomplicated

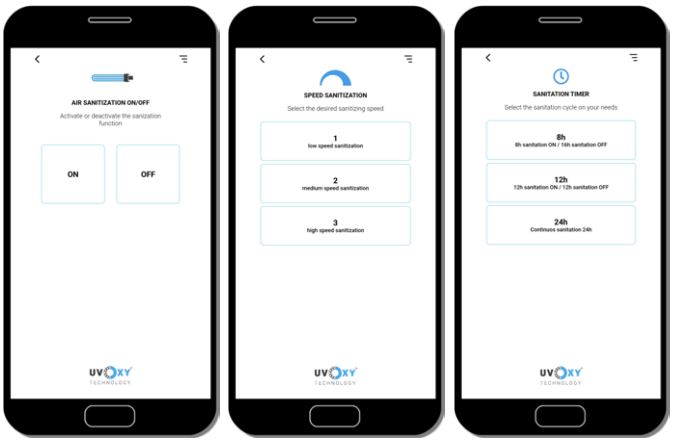
Among other things, it is possible with B.connect to execute function and duration tests. The commands are either transmitted directly from the smartphone to the equipment or indirectly over a test device that may be present.



Flashlight of the smartphone camera for optical communication with equipment, which features an intelligent photo sensor - example: luminaire.

Room air cleaning - hygiene new imagined

Various luminaires, hybrid devices for room air cleaning from the SanificaAria series, are also equipped with an intelligent photo sensor. Beside the configuration of the illumination, there is the possibility to configure the cleaning parameters as well. The disinfection process can be activated or deactivated. The fan speed for generating the air flow through the uvOxy® disinfection cell is adjustable and disinfection times can be individually adjusted depending on room use and environment conditions.



BEGHELLI CLOUD

NUBE - THE BEGHELLI CLOUD THE RIGHT PLACE FOR YOUR SYSTEMS

Go to https://nube.beghelli.it/

NuBe is the cloud for the access and the administration of many Beghelli systems.

It is available to all installers and other users and enables it to keep the safety lighting in overview. A variety of functions are available for monitoring and control. With regard to many issues, this saves you visiting the respective system on site and thus effort, time and money. NuBe offers furthermore a direct connection to B.connect, whereby the advantages of the cloud merge with the advantages of the app to build a common unit in perfect cooperation. NuBe supports central automatic test devices for self-contained supply. The cloud is available for free in the Basic version or for a fee in the Professional version. The latter makes it possible to further expand the already numerous possibilities of NuBe, such as with a function that can order maintenance interventions on the system through the user to avoid malfunctions.

MAXIMUM DATA SECURITY AND AVAILABILITY

.....we guarantee that! Not only with, but also without connection to the cloud.

All equipment of Beghelli is connecting in secure mode to NuBe using an end-to-end encryption that meets high safety standards. After authenticating yourself with your access data, you can navigate in NuBe in compliance with the latest safety protocols. This is done with real-time evidence of occurred resp. not rectified malfunctions. For ongoing operation without connection to the cloud, the automatic test devices are independently collecting data of the luminaires, supply modules and supply devices. The upload of the local data to NuBe is done as soon as the internet connection is restored.

NUBE PRO - EXTENDED FUNCTIONS IN OVERVIEW

The version NuBe PRO extends the functions of the Basic version...

The quantity of administrable automatic test devices and thus the quantity of luminaires, supply modules and supply devices is no longer limited here. Through the upgrade to NuBe PRO it is possible to get access to enhanced functions such as the insertion of luminaires on photos or in plans of the rooms. There is furthermore an unlimited memory available regarding the test book and a functionality for predictive maintenance, which is able to anticipate malfunctions and to propose the necessary interventions for prevention of these malfunctions for future maintenance procedures. This elevates system integrity to a whole new level of safety with strong potential for an easement of the customers of our cloud NuBe PRO.

	Max. quantity of luminaires / supply devices / supply modules per system	Multi system management	Type and max. quantity of test devices per system[1]	Storage capacity of test book	Predictive maintenance	Room photo management	Planimetry management	Spare part management
NuBe (Basic)	256		8x CableCom Connect (20151) or alternatively 2x Logica S Connect (12100C) or alternatively 1x Logica FM Compact (12128C) or alternatively 1x Logica FM (21102)	12months				
NuBe PRO (Professional)	no limitation	✓	No limitation of the quantity of: CableCom Connect (20151) Logica S Connect (12100C) Logica FM Compact (12128C) Logica FM (21102)	no limitation	✓	✓	✓	✓

[1] Compatibility of test device with software resp. cloud must be considered - see page for software resp. cloud.

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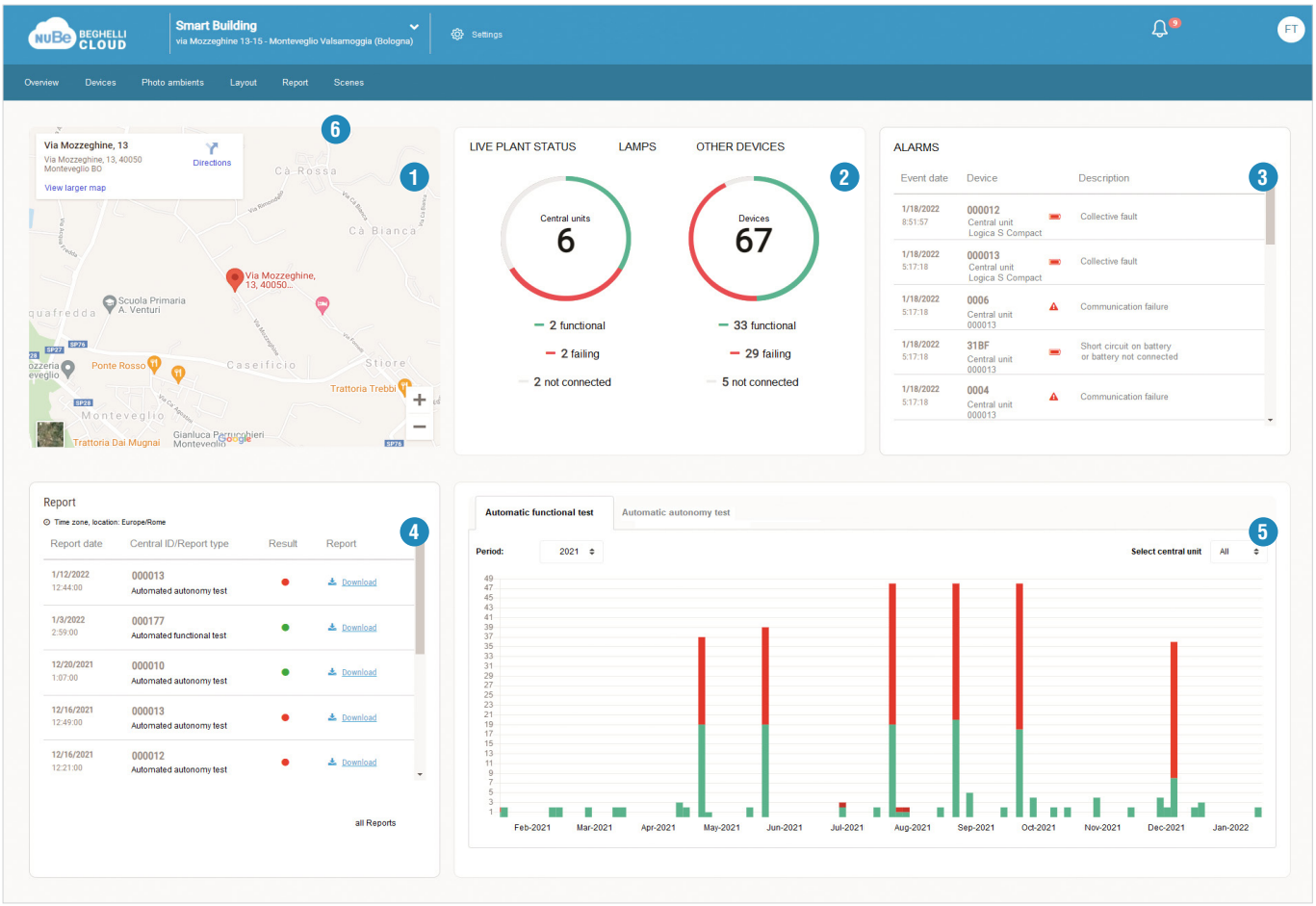
SMART DASHBOARD FOR MONITORING OF THE SYSTEM STATUS

This is the overview tab of NuBe.

It is possible here to monitor the structure and the status of the system in realtime. This is done using quick query widgets, which show the system location on a map and list the results of the function and duration tests as well as the current failures of all luminaires, supply modules and supply devices. The operation is intuitive thanks to the graphical user interface. Through it, the quantity of present test devices and the quantity of present luminaires, supply modules and supply devices are highlighted. A differentiation takes place into functioning, failing and not reachable equipment with respective quantification. All failures are plainly highlighted for quick problem solving. Adaptable diagrams are showing detailed information about the already executed automatic and manual tests.



1 System description with location
Precise positioning of the system through geolocation on dynamic map.

2 System condition
Graphical user interface with dynamic acting elements zur highlighting of failures.

3 Listing of the current failures
With type of failure and addresses for unique identification of the equipment. The mounting location of the equipment can be determined through respective navigation.

4 Test book
Compact listing of all function and duration tests with possibility for download. Binary evaluation of the tests with focus on collective fault.

5 Results of automatic tests
A block diagram compares all selected tests according to the setting (for example: monthly / yearly).

6 Navigation bar
Change between overview, automatic test systems, rooms, buildings, test results and scenarios.

The cloud solution enables the **access and the administration of all systems under supervision - worldwide**

Cooperation mode: NuBe offers a connection to B.connect for the perfect cooperation of both solutions

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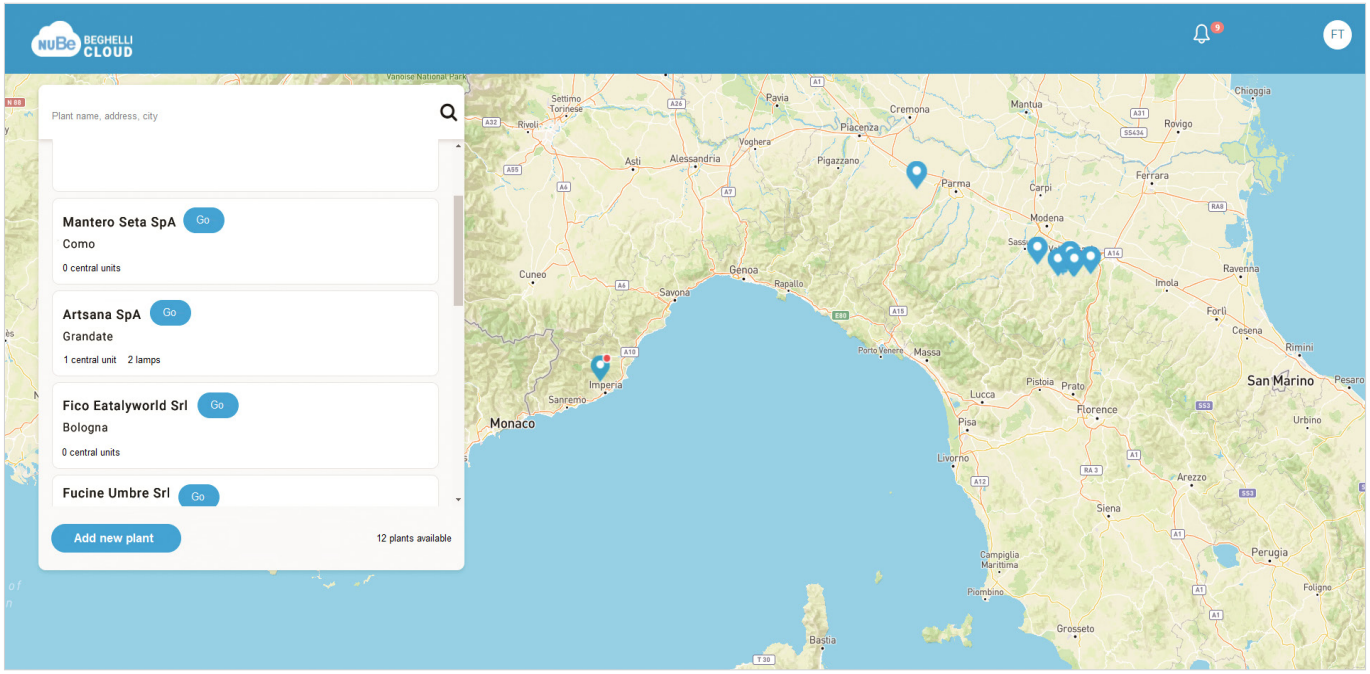
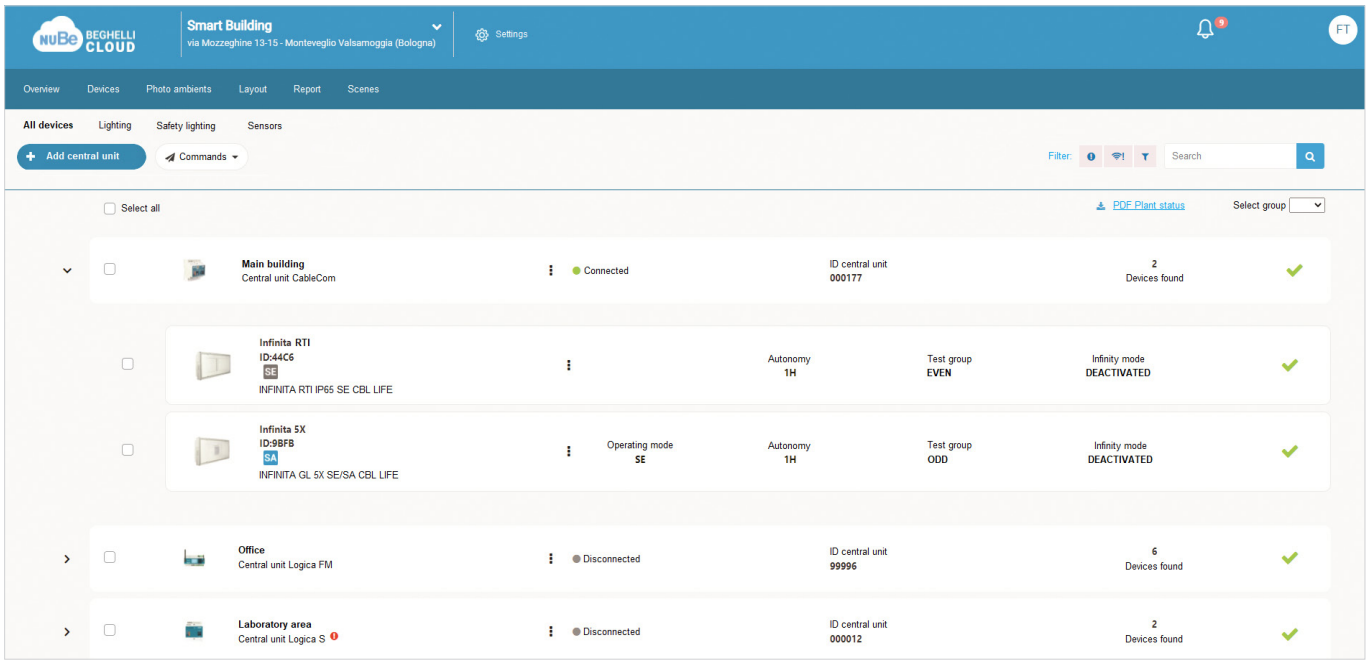
EXTENDED FUNCTIONS OF NUBE PRO



GLOBAL OVERVIEW OF ALL SYSTEMS

For the monitoring of several systems, a global indication with the positioning of the systems at the respective location can be generated. Systems with failures are particularly highlighted on the indicated map. In the overview tab, all systems can be found bundled in real time, divided into failurefree and not failurefree.



A CLOUD FOR COMBINATION OF DIFFERENT TEST DEVICES IN ONE SYSTEM

It is possible to combine several different test devices in systems, which enables maximum freedom and expandability without restrictions regarding the implemented field technology of the test devices. The available commands and parameters can be sent per remote access either to all compatible equipment or only to selected equipment. Precisely through selective test commands on single equipment maintenance procedures are greatly simplified. The associated test devices and their luminaires, supply devices and supply modules are indicated in a classic tree view. Each data set shows the essential information about the respective equipment. It is furthermore possible to extend the selected data set to get the complete technical information in a structured view. Additional documentation (for example: the installation instruction of a luminaire) in PDF format can be downloaded here and order codes of suitable spare parts are indicated. Every equipment can be individually designated with a description stored directly in the cloud.

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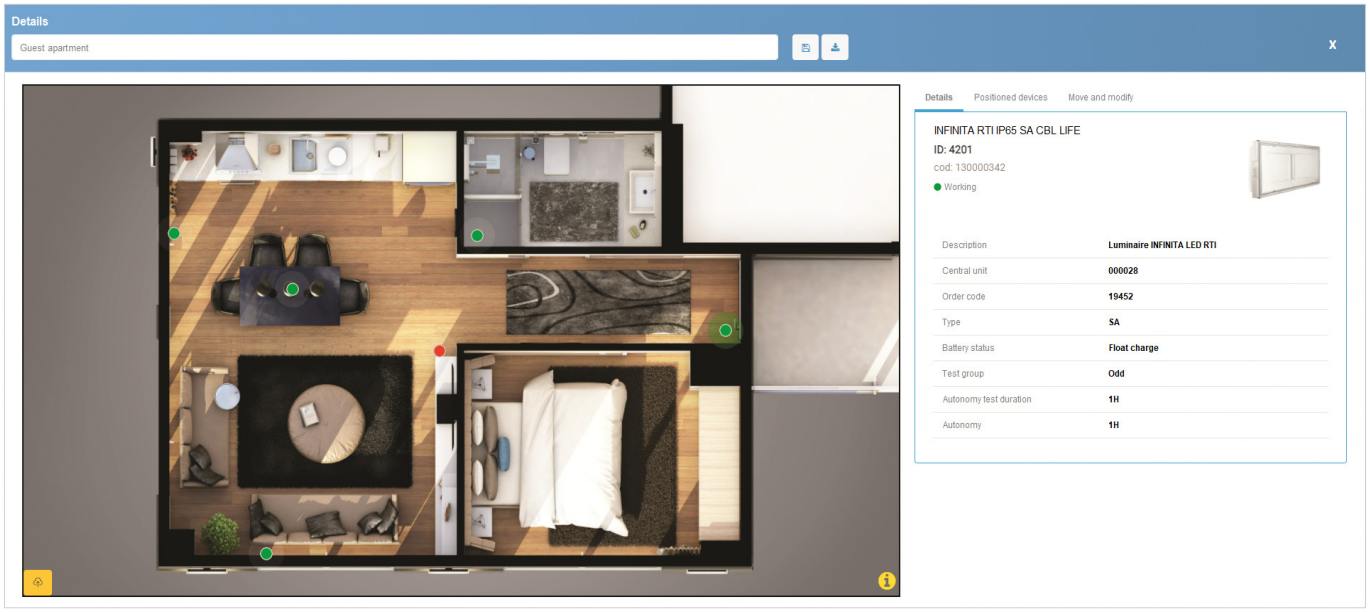
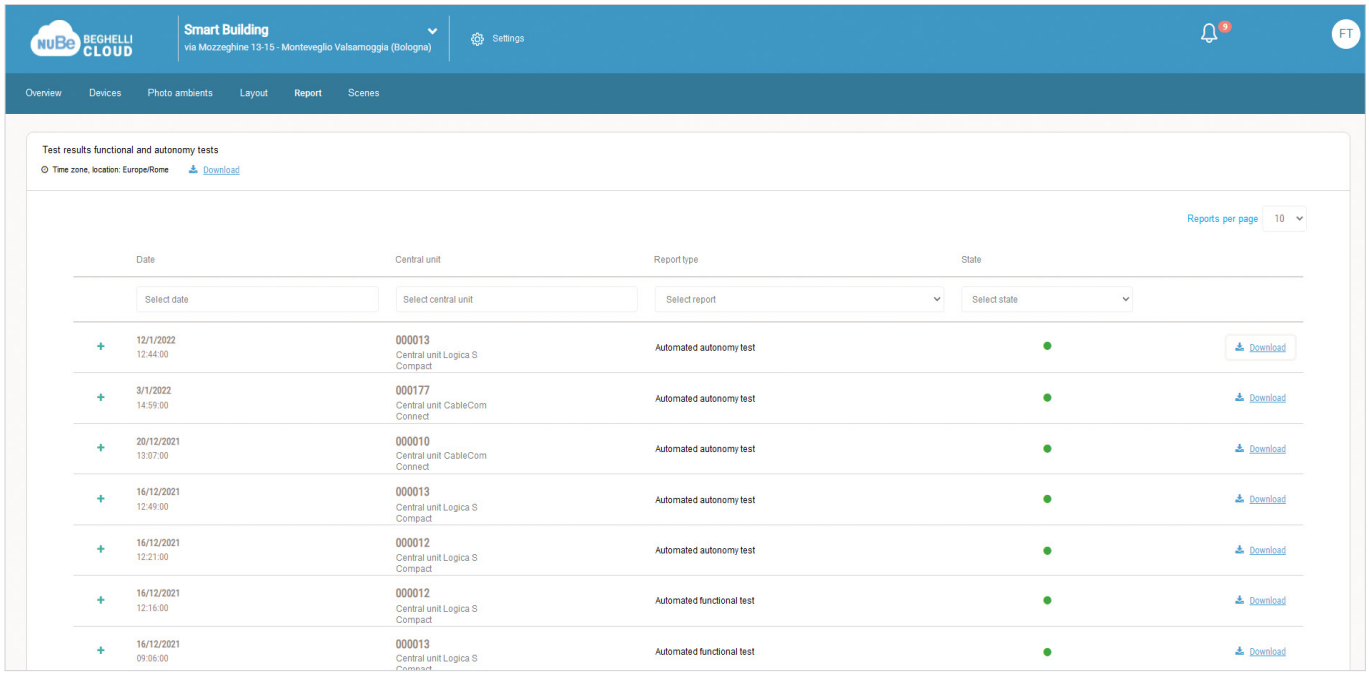


POSITIONING OF EQUIPMENT ON BUILDING PLANS OR ON PHOTOS OF ROOMS

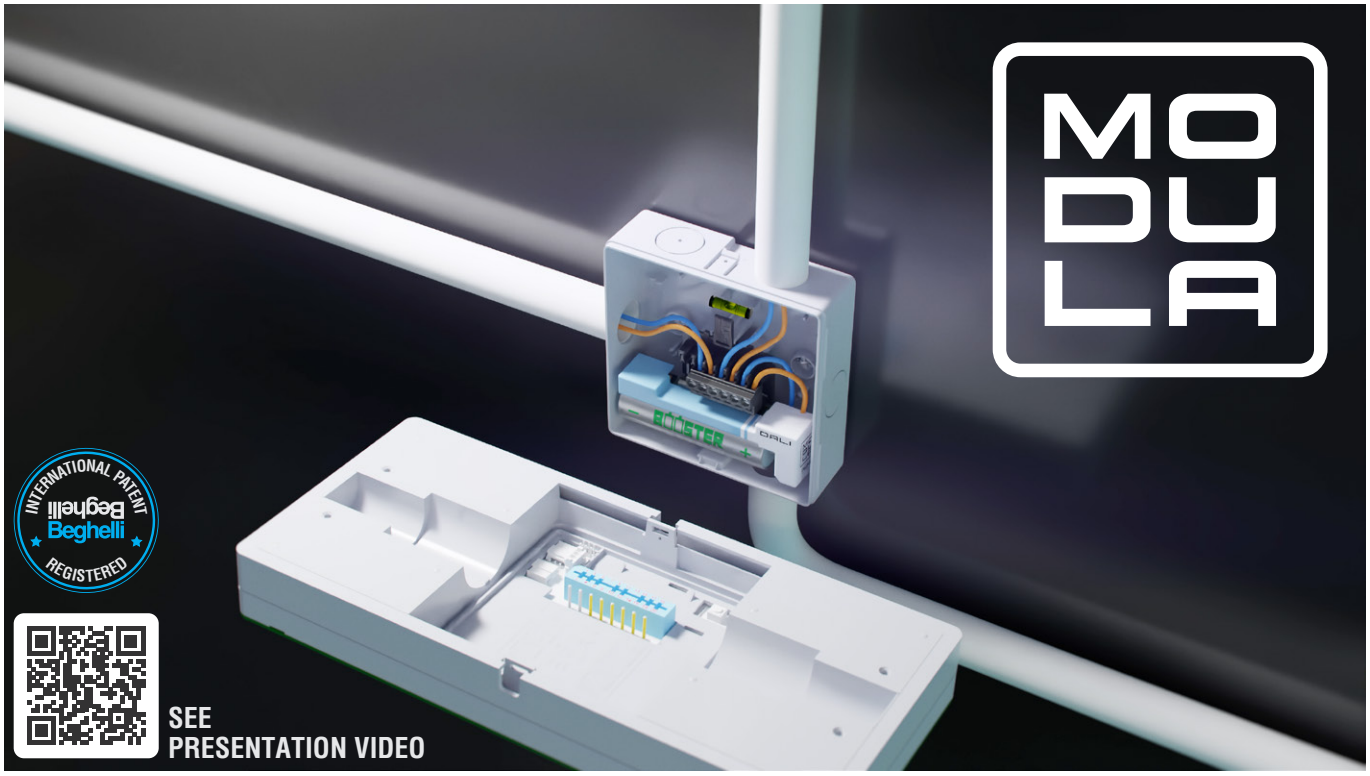
Quick positioning of luminaires, supply devices and supply modules on building plans or on photos of rooms. The files required for this can be deposited in JPEG format directly in NuBe through a simple operation per drag&drop. Between failurefree and not failurefree equipment is distinguished by colour (green and red). Through selection of a positioned equipment, all technical information as well as deposited statements of location and any failures are indicated. This leads to a quick identification and greatly simplifies the failure rectification. Each system can be administrated with different building plans and photos to get a divided view of the system and thereby avoiding one single complex plan. The operation on building plans or on photos is always relieved through features like zoom-in, zoom-out, drag&drop as well as filter functions.



TEST REPORTS AND DOCUMENTATION

Every automatic function and duration test generates a stored test result, which is directly visible in the cloud or can be downloaded in PDF format. NuBe ensures the automatic archiving of the generated test results, enables an Anpassung by insertion of maintenance hints and proposes possible solutions for found failures. Every stored test result is processed. If failures are present, they can be reported immediately per e-mail to the responsible installer or system manager. It is possible to download the status of the system in PDF format at any time. The document is personalized with logos and additional information to be in accordance with DIN EN 50172 (test book).

PRATICA MODULA -
THE ADVANTAGES OF AN INTEGRATED MOUNTING ADAPTER



DEVELOPMENT OF A NEW INSTALLATION CONZEPT

The use of luminaires from the MODULA series brings with it a significant simplification of the work procedure and thus leads to a considerable shortening of the required installation time with respective cost reduction. The possibility to be able to renounce conventional junction sockets stood in the center stage for the development of a whole new installation method - preventng conventional junction sockets and exchanging them by mounting adapters in two variants. Both mounting adapters offer many space for the entry of incoming and outgoing cables as well as their wiring. If required, the terminal block of the mounting adapters can be removed for a wiring without barriers. Precisely this property makes through wiring imaginably easy. Maintenance procedures have also been optimized - All luminaires can be latched out from the mounting adapter and are afterwards freely accessible.

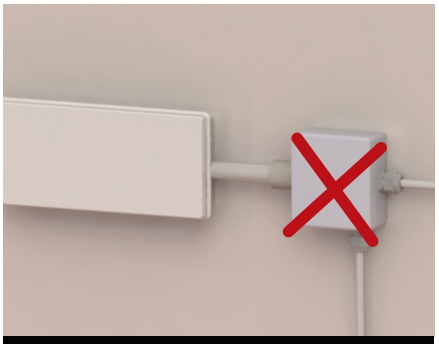
TWO LUMINAIRES FOR DIFFERENT APPLICATIONS - WITH SAME MOUNTING ADAPTERS

PRATICA MODULA

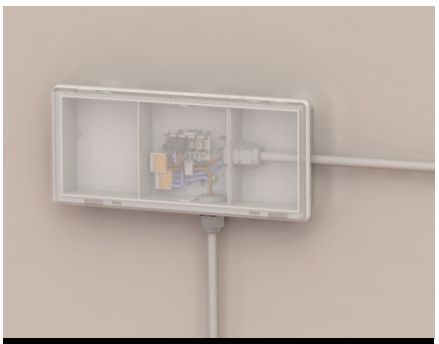
Variable escape sign and safety luminaire. Suitable for escape route and area illumination as well as for escape route indication. 4 escape sign foils in scope of delivery. Many accessories for escape route indication. Versions for self-contained supply (LIFE) with up to 2.000 lm light flux in battery operation (1 h) through subsidiary battery.

PRATICA MODULA MATRIX

Multifunctional safety luminaire with adjustable LED matrix (24 LEDs) in 5 different LED groups, local or per remote access. Suitable for escape route and area illumination. Versions for self-contained supply (LIFE) with up to 2.700 lm ideational light flux in battery operation (1 h).



CONVENTIONAL



WITH MODULA SYSTEM

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INSTALLATIONS IN IP65, IP42 AND IP40 THROUGH INTEGRATED MOUNTING ADAPTER

The series Pratica Modula is delivered with a flat and a high mounting adapter. Both mounting adapters serve as junction socket for wiring of the incoming and outgoing cables - the choice of the cable entries on the mounting adapter determines the type of protection (IP).

UP TO 50 % REDUCED INSTALLATION TIMES PER LUMINAIRE

Thanks to the MODULA system, the internal wiring and all settings are enormously simplified and accelerated. The work steps for this take place on the mounting adapter and on the backside of the luminaire - both components are finally only latched into each other.

MANY CABLE ENTRIES

The flat mounting adapter is capable of 2 backward entries with gasket (M16), 2 backward drillable entries (max. 10 mm Ø) and 4 sideward breakable entries (2x 15x7 and 2x 15x10 mm). The high mounting adapter is capable of 2 backward and 6 sideward entries (M20) for cable glands - ideal for a on-finery installation in IP65.

QUICK MAINTENANCE, WITHOUT OPENING THE LUMINAIRE

Through a simgle off-latching on the closing system, mounting adaper and luminaire are separated again from each other - this enables a maintenance of the luminaire, which can happen comfortable on a work surface.

PERFECT ALIGNMENT THROUGH INTEGRATED WATER LEVEL

Included in both in the flat and in the high mounting adapter, this element offers right from the beginning of the installation a perfect comfort regarding the fastening - easy, quick and always straight.

REMOVABLE TERMINAL BLOCK FOR WIRING COMFORT

The usable space can be expanded through the temporary removal of the terminal block from the mounting adapter - particularly well suited for the wiring in the cross section 2,5 mm² in combination with additional plug terminals.

THE MOUNTING ADAPTER - THE HEART OF THE MODULA SYSTEM

All luminaires of the MODULA series are including a flat and a high mounting adapter in the scope of delivery. After installation of one of the two components, the remaining mounting adapter can be used to cover the installed mounting adapter during the building phase. Also this takes place through a simple latching of both components into each other. The final latching of the luminaire on the installed mounting adapter can thus take place time-delayed in a separate work step without having to renounce temporarily to a contact and foreign body protection.

- The flat mounting adapter is for under-finery installation.
- The high mounting adapter is for on-finery installation.

The terminal block contains an integrated plug fixture for contact making with the luminaire. Through additional plug terminals, all wires within the mounting adapter can be bundled and routed to the preinstalled terminal block. Both the terminal block and water level are temporarily removable to ease the wiring. The mounting adapters are furthermore used for accommodation of optional conversion sets, interfaces and subsidiary batteries.

- Luminaires of the MODULA series, which are factory-made suitable for Sicuro230 with circuit monitoring, can be used as well for Sicuro24 and Sicuro230 with single monitoring through additional conversion sets.
- Luminaires of the MODULA series, which are factory-made suitable for Autotest and CableCom, can be used as well for Logica, Logica FM and DALI through additional interfaces.
- Through a subsidiary battery, the light flux can be enormously increased in emergency operation with self-contained supply - up to 50 %.

Up to **50 % reduced installations time** per luminaire

Bluetooth for direct communication with the luminaire, without having to open it

PRATICA MODULA - SYSTEM FOR HALVING OF THE INSTALLATION TIMES

THERE IS NO ALTERNATIVE FOR ENVIRONMENT PROTECTION

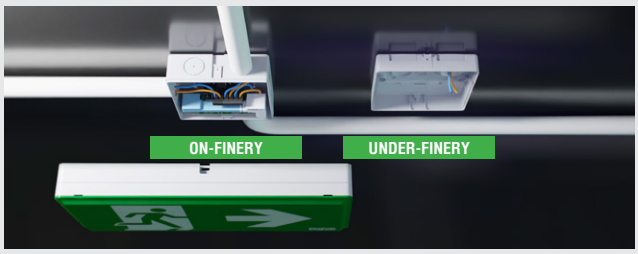
One of our responses to the preservation of limited resources is the summarization of products. Among other things, we achieve this through a design philosophy with focus on a universal usability. In doing so, we summarize technical components with similar properties for different applications. This reduction improves the ecological footprint in the production process and helps to have shorter delivery times, for what our customers thank us for. The MODULA series also arose from the desire to develop the ultimate multipurpose luminaire. The name says it all - „modularity“ with great versatility in the application. All luminaires of this series can be installed in the simplest way...

1. Choose desired mounting adapter as base - high or flat,
2. wire mounting adaper, accommodate components from the accessories if necessary,
3. make settings on the backside of the luminaire and latch luminaire onto mounting adapter,

...ready.

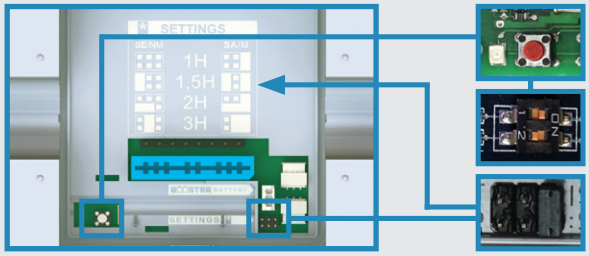
01 TWO DELIVERED MOUNTING ADAPTERS

The mounting adapters are development enhancements of common junction sockets. They enable a through wiring with a variety of incoming and outgoing cables. Problem-free use with cable pipes, cable conduits and cable glands. Flat mounting adapter for under-finery installation. High mounting adapter for on-finery installation. A type of protection up to IP65 can be realized depending on the used entries.



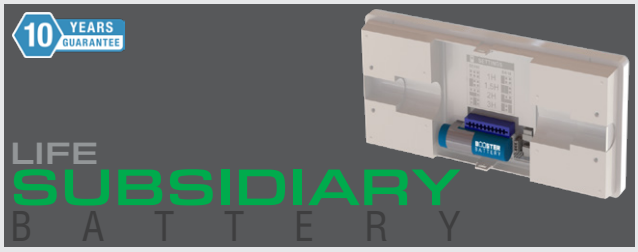
02 SETTINGS ON LUMINAIRE

The luminaire does not have to be opened for this procedure. All settings are made on the backside of the luminaire. Operating duration (1 h / 1.5 h / 2 h / 3 h) and operating mode (maintained mode or non-maintained mode) per jumper. Product specific: brightness (in 4 steps) per DIP switch for central supply with circuit monitoring. LED matrix (in 5 LED groups) for Pratica Modula Matrix. Reset to factory settings per pushbutton for self-contained supply.



05 SUBSIDIARY BATTERY

Available as accessory for the luminaire series Pratica Modula. Easy connection on the backside of the luminaire, which does not have to be opened for this procedure. The light flux in emergency operation can be increased up to 50 % for self-contained supply (product specific). Reliable Lithium-Ferro-Phosphate technology (LIFE) with 10 years guarantee.

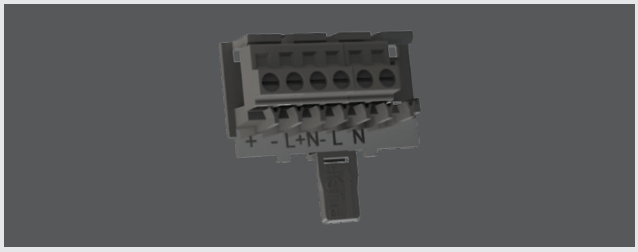


06 ONE TERMINAL BLOCK FOR ALL

Depending on application:

- Monitoring and charging voltage, without or with cable bus (Powerline)
- Cable bus (DALI)
- Switch input (230 V / 50 Hz).

Over the switch input, the operating mode can be set as well or a switching together with the general lighting can take place alternatively.



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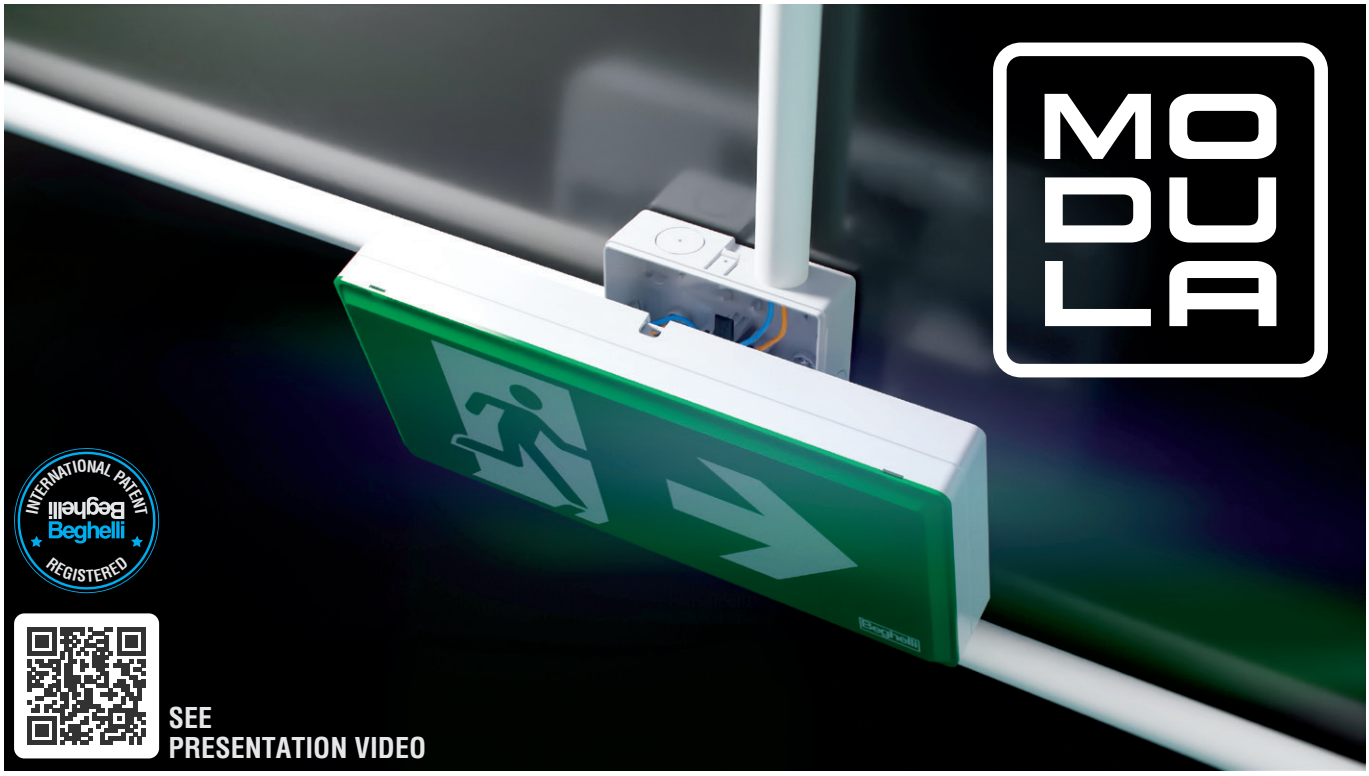
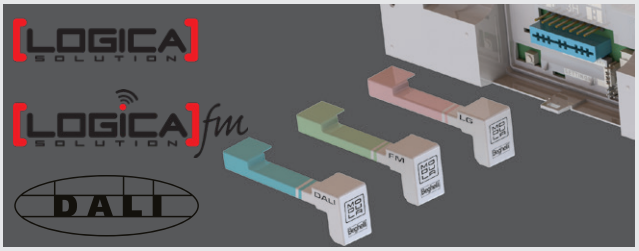


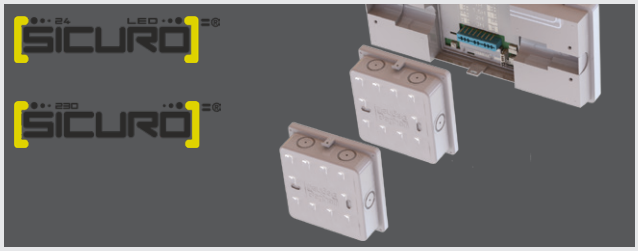
03 THREE ADDITIONAL INTERFACES

The variants for Autotest / CableCom can be used as well for Logica, Logica FM and DALI through the additional interfaces. Easy connection through plugging on the backside of the luminaire, which does not have to be opened for this procedure. No additional wiring necessary.



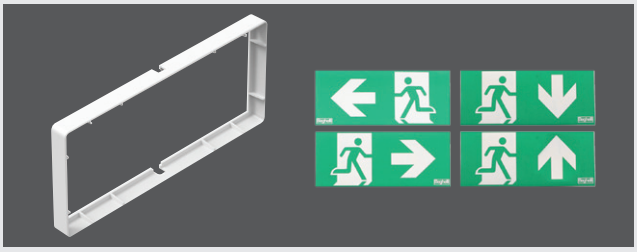
04 TWO ADDITIONAL CONVERSION SETS

The variants for Sicuro230 with circuit monitoring can be used as well for Sicuro24 and Sicuro230 with single monitoring through the additional conversion sets. Easy connection through latching of a high mounting adapter (delivered) on the backside of the luminaire, which does not have to be opened for this procedure. The wiring takes place within the high mounting adapter.



07 DELIVERED FRAME BEZEL AND FOILS

Can be used as design element. Easy installation through latching with click-closures on the backside of the luminaire. When using the backward entries, the unused sideward entries can be covered through the frame bezel. Ideal for under-finery installations in offices, schools, restaurants... Four escape sign foils (self-adhesive) enable 1-sided escape route indication.

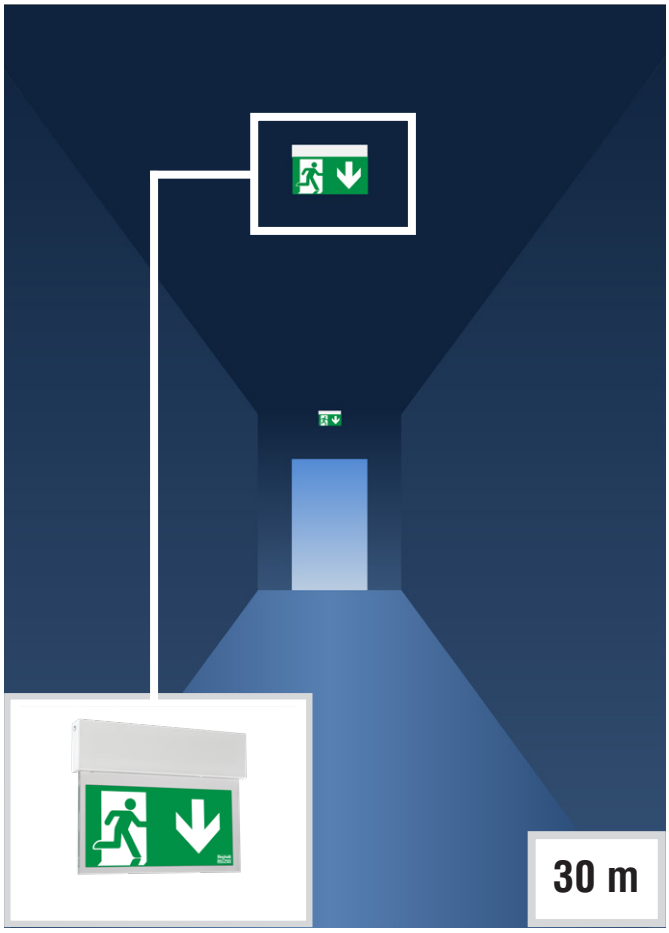


08 EXTENSIVE ACCESSORIES

Accessories to be ordered separately enable a variety of further mounting types, additional protection against mechanical influences and rain as well as 1-sided and 2-sided escape route indication with escape sign covers and escape sign display panes.

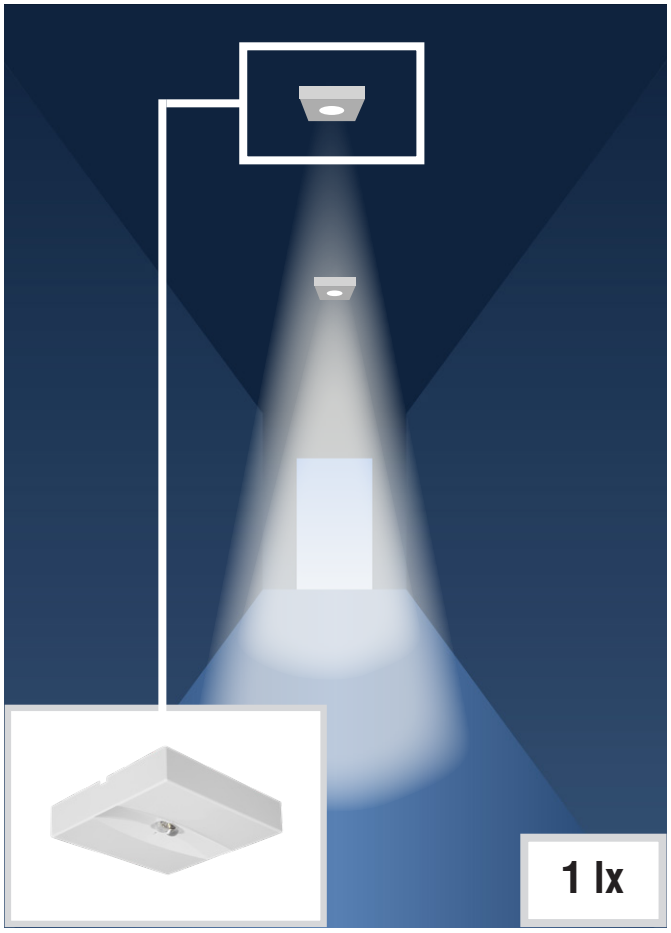
ESCAPE SIGN LUMINAIRES

for indication of escape routes and emergency exits



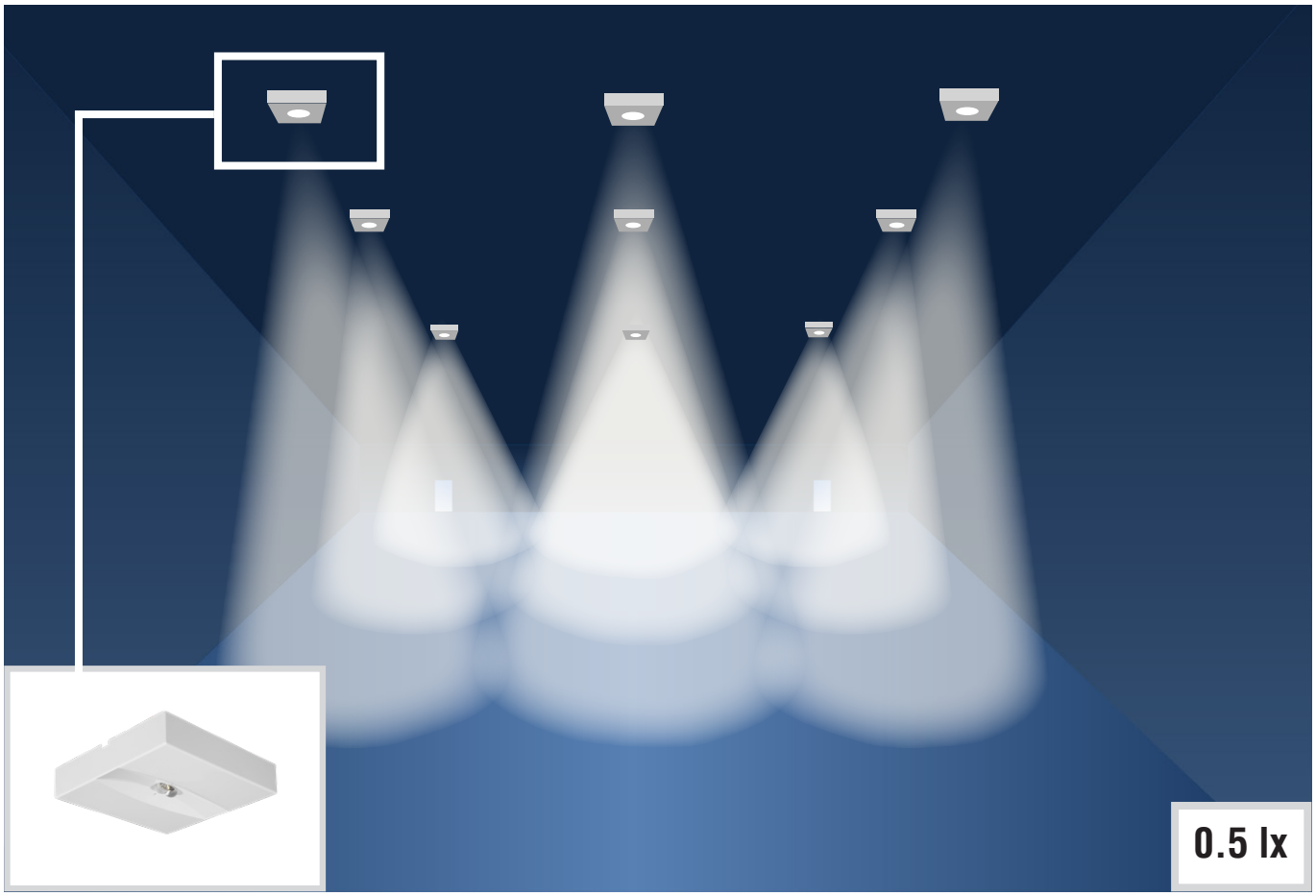
SAFETY LUMINAIRES

for illumination of escape routes



SAFETY LUMINAIRES

for illumination of areas



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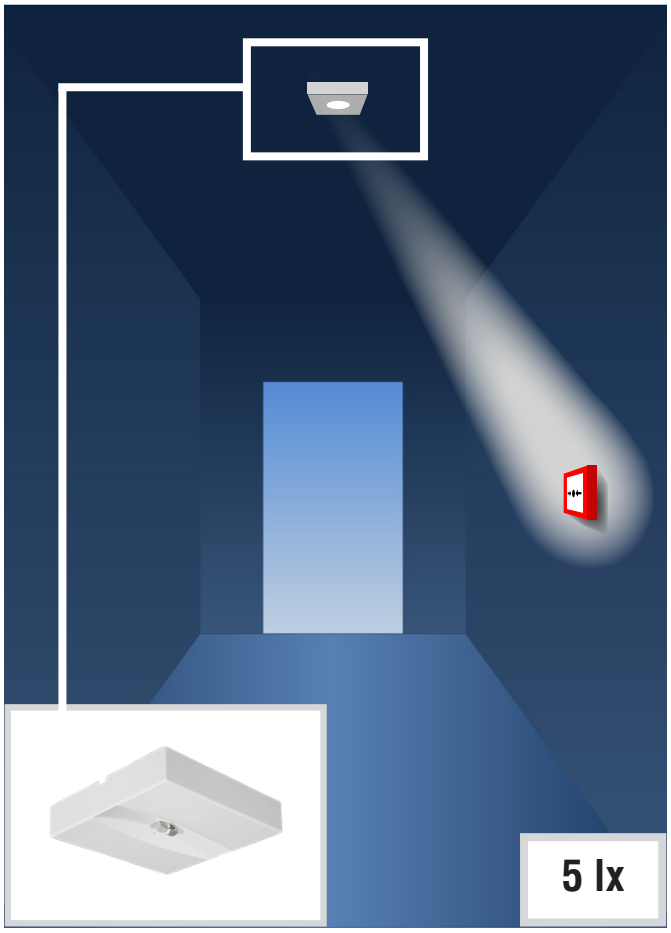
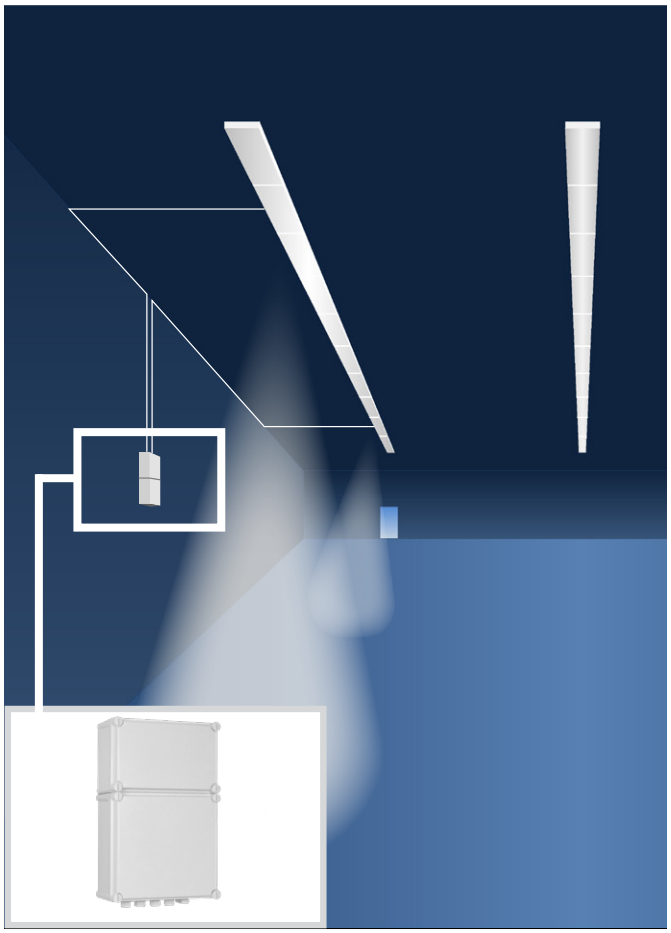
SAFETY LUMINAIRES

for illumination of safety devices



SUPPLY DEVICES

for operation of interior and exterior luminaires as safety luminaires



Integration of the general lighting into the safety lighting

No reduction of the light flux in battery operation (with appropriate control gears)

Ideal for **commercial** and **industrial** halls or for sport sites

Also for **large distances** between supply device and luminaire

LIFE & LIFE ECO

› INNOVATIVE SELF-CONTAINED SUPPLY

Lithium-Ferro-Phosphate batteries (LIFE) in the variants:

LIFE

LIFE ECO

› WITH LONG BATTERY LIFE

Environment-friendly, safe and cost-optimized:

10 years guarantee for batteries in the variant LIFE - Symbol: 10 YEARS GUARANTEE

5 years guarantee for batteries in the variant LIFE ECO - Symbol: 5 YEARS GUARANTEE

› IN TWO OPERATING TEMPERATURE RANGES FOR LUMINAIRES WITH INTERNAL BATTERIES

Constant light flux, sparing charge and discharge procedures:

-10 °C to +45 °C for luminaires with batteries in the variant LIFE

0 °C to +40 °C for luminaires with batteries in the variant LIFE ECO

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AVAILABLE AS

ESCAPE SIGN LUMINAIRES
SAFETY LUMINAIRES
VARIABLE ESCAPE SIGN AND SAFETY LUMINAIRES
COMBINED SAFETY SIGN AND SAFETY LUMINAIRES
EMERGENCY LIGHT SUPPLY MODULES
WITH
LITHIUM-FERRO-PHOSPHATE BATTERIES (LIFE)

FUNCTIONS

Programmable / adjustable operating duration

1 h / 1.5 h / 2 h / 3 h / 8 h
Programmability, adjustability as well as operating duration are product-specific.
Specific possibilities have to be set out from the respective catalogue pages.

Programmable / adjustable operating mode

maintained mode / non-maintained mode
Programmability, adjustability as well as operating modes are product-specific.
Specific possibilities have to be set out from the respective catalogue pages.

Possibilities for realization of an automatic test device

Self test:
AutoTest

Remote test:
- CableCom (cable bus, Powerline)
- Logica (cable bus, DALI)
- Logica FM (radio bus, ZigBee®)

ADVANTAGES COMPARED TO CENTRAL SUPPLY

No battery room

No additional distributors (also no functional integrity)

No additional cables (also no functional integrity)

No divided luminaire circuits

No battery maintenance

Higher safety through decentralization

[AUTOTEST] Decentral test device as stand-alone-system, **integrated** in the luminaire, the supply module or the supply device.

FUNCTIONS IDEAL FOR SMALLER BUILDINGS AND WORK SITES

- AUTO Automatic tests
- Decentral messages
- Product specific: adjustable operating mode
- Product specific: programmable operating mode over B.connect
- Product specific: adjustable operating time
- Product specific: programmable operating time over B.connect
- No central switching
- No central dimming
- No integrated test book
- No adjustable test parameters
- No programmable test parameters

CABLECOM Central test device as master-slave-system, **integrated interfaces** for communication over a cable bus (Powerline). Optional interfaces for monitoring and control over a **building management system**.

FUNCTIONS IDEAL FOR SMALLER BUILDINGS AND WORK SITES

- AUTO Automatic tests
- Central messages
- Product specific: adjustable operating mode on connected equipment
- Product specific: programmable operating mode over NuBe / B.connect
- Product specific: adjustable operating time on connected equipment
- Programmable operating time over test device (not selective) / NuBe (selective) / B.connect (selective)
- No central switching over test device
- No central dimming over test device
- No integrated test book
- Last test result over test device (binary) / NuBe / B.connect
- No adjustable test parameters
- Programmable test parameters over NuBe / B.connect

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Central test devices as master-slave-systems, **integrated interfaces** for communication over a **cable bus** (DALI standard) or a **radio bus** (ZigBee® standard). Optional interfaces for monitoring and control over a **building management system**.

FUNCTIONS IDEAL FOR LARGER BUILDINGS AND WORK SITES

AUTO✓ Automatic tests

Central messages

Product specific: adjustable operating mode

Product specific: programmable operating mode over test device, NuBe / B.connect / Logica Visual

Product specific: adjustable operating time on connected equipment

Product specific: programmable operating time over test device, NuBe / B.connect / Logica Visual

Product specific: central switching with Logica Z and Logica FM

Product specific: central dimming with Logica Z and Logica FM

Logica S Connect:

No integrated test book

Last test result over test device (binary) / NuBe / B.connect

No adjustable test parameters

Programmable test parameters over NuBe / B.connect

Logica S Connect together with Logica Z:

Integrated test book

Adjustable test parameters

Programmable test parameters over Logica Visual for Logica S with Logica Z

Logica FM:

Integrated test book

Adjustable test parameters

Programmable test parameters over NuBe / B.connect / Logica Visual

Logica FM Compact:

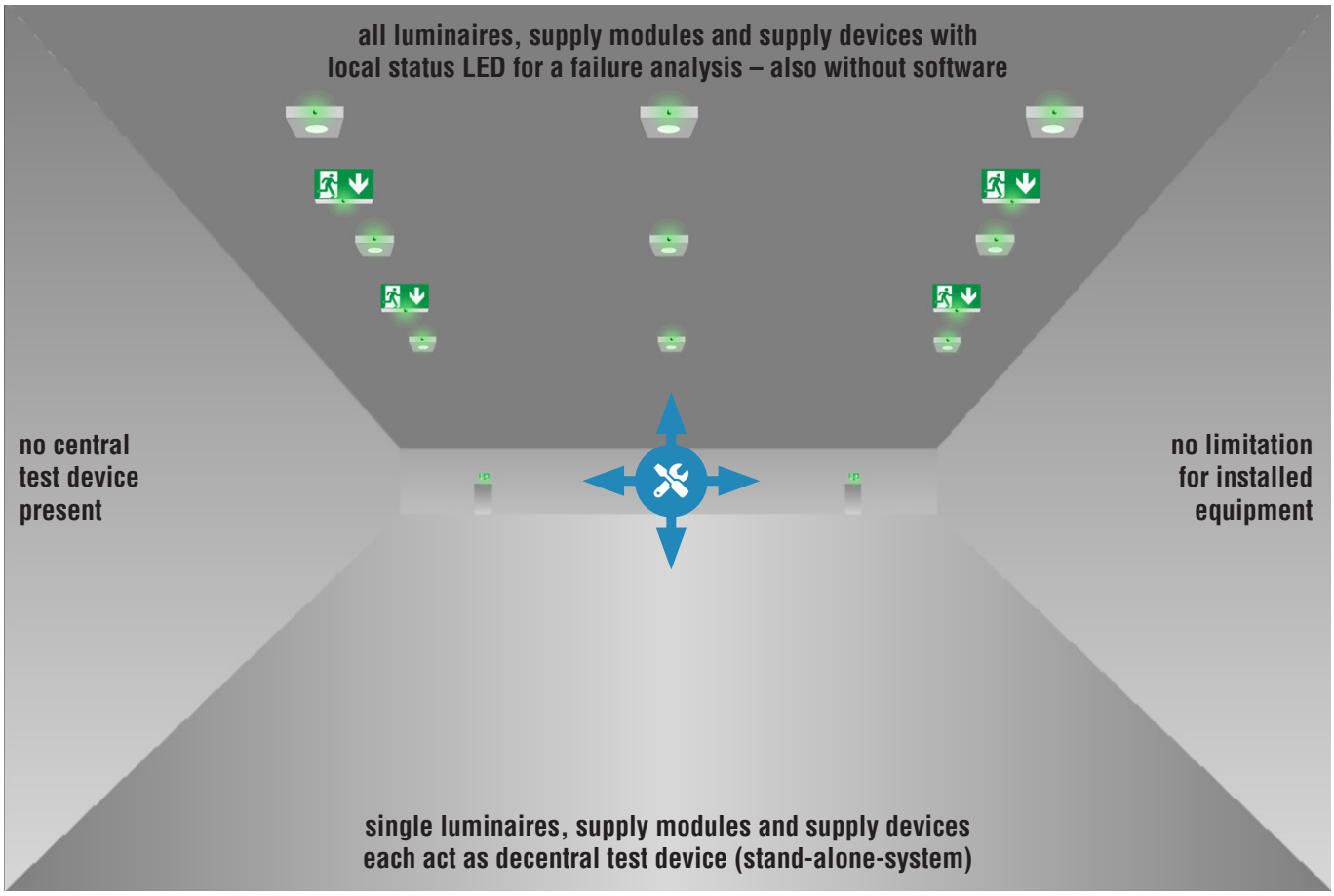
Integrated test book

Last test result over test device (binary) / NuBe / B.connect

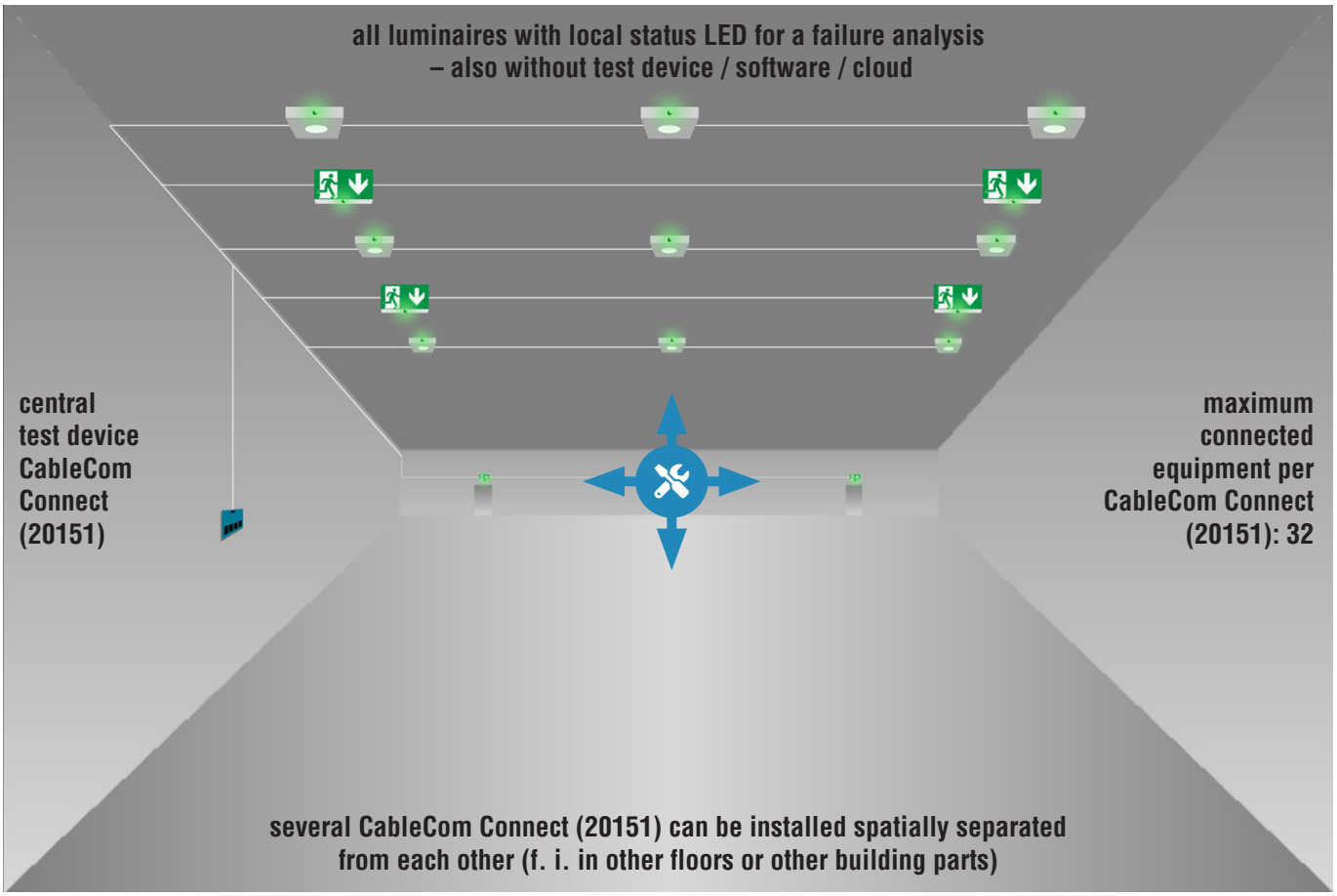
No adjustable test parameters

Programmable test parameters over NuBe / B.connect

SCHEME [AUTOTEST] without bus



BUS SCHEME CABLECOM with cable bus - Powerline



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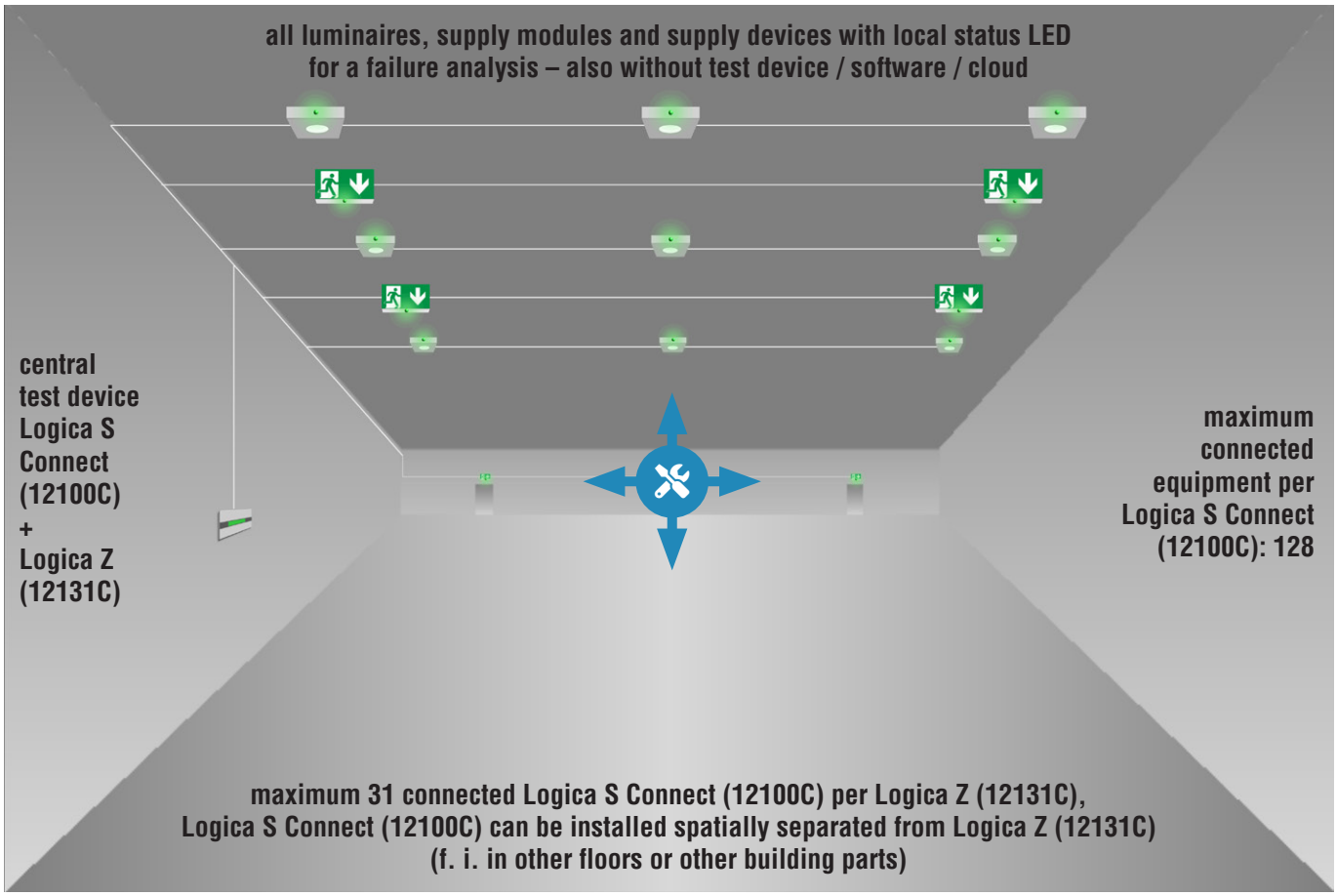
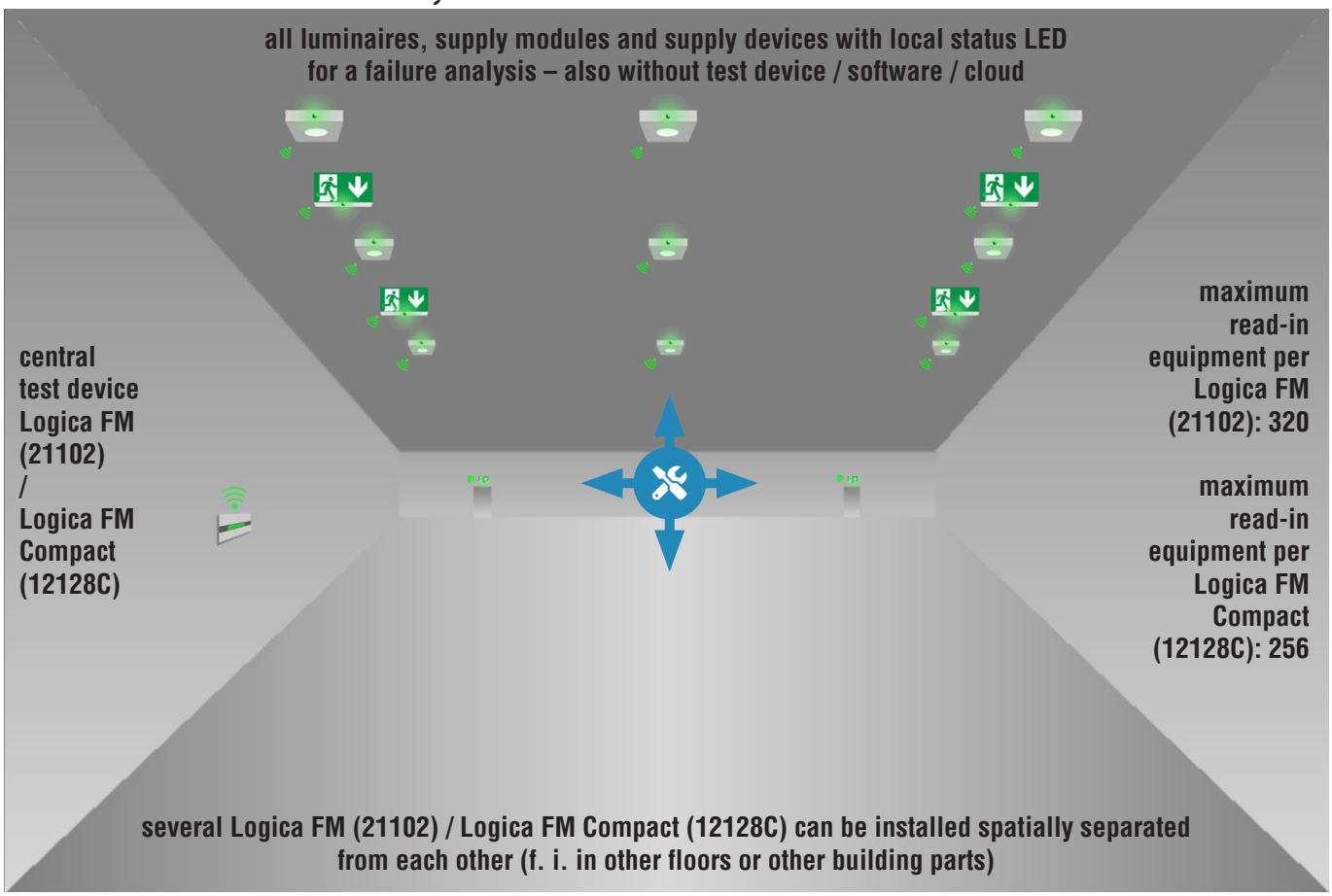
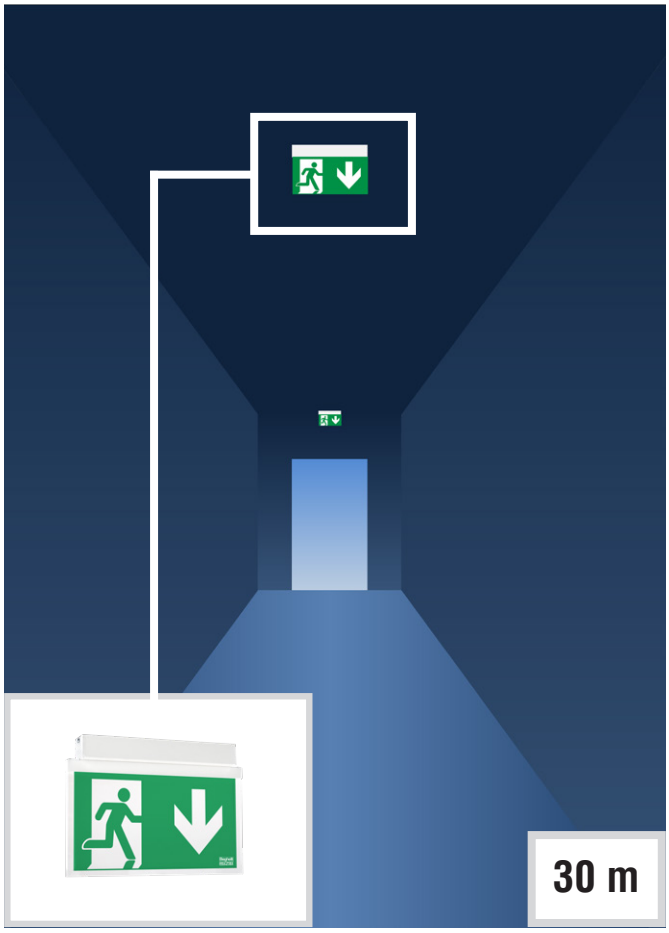
BUS SCHEME [LOGICA SOLUTION] with cable bus - DALI standard



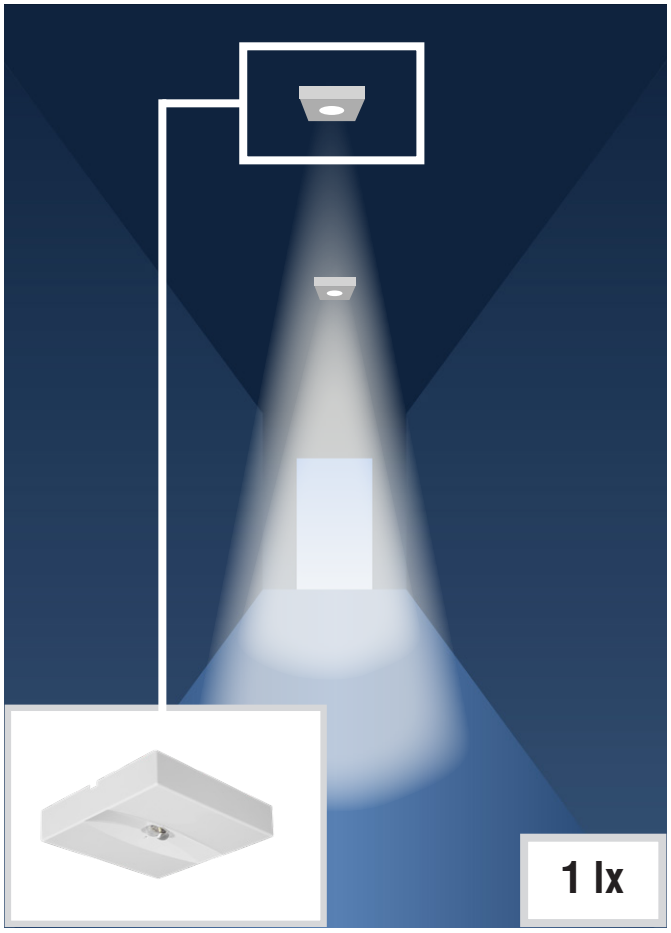
BUS SCHEME [LOGICA SOLUTION fm] with radio bus - ZigBee® standard



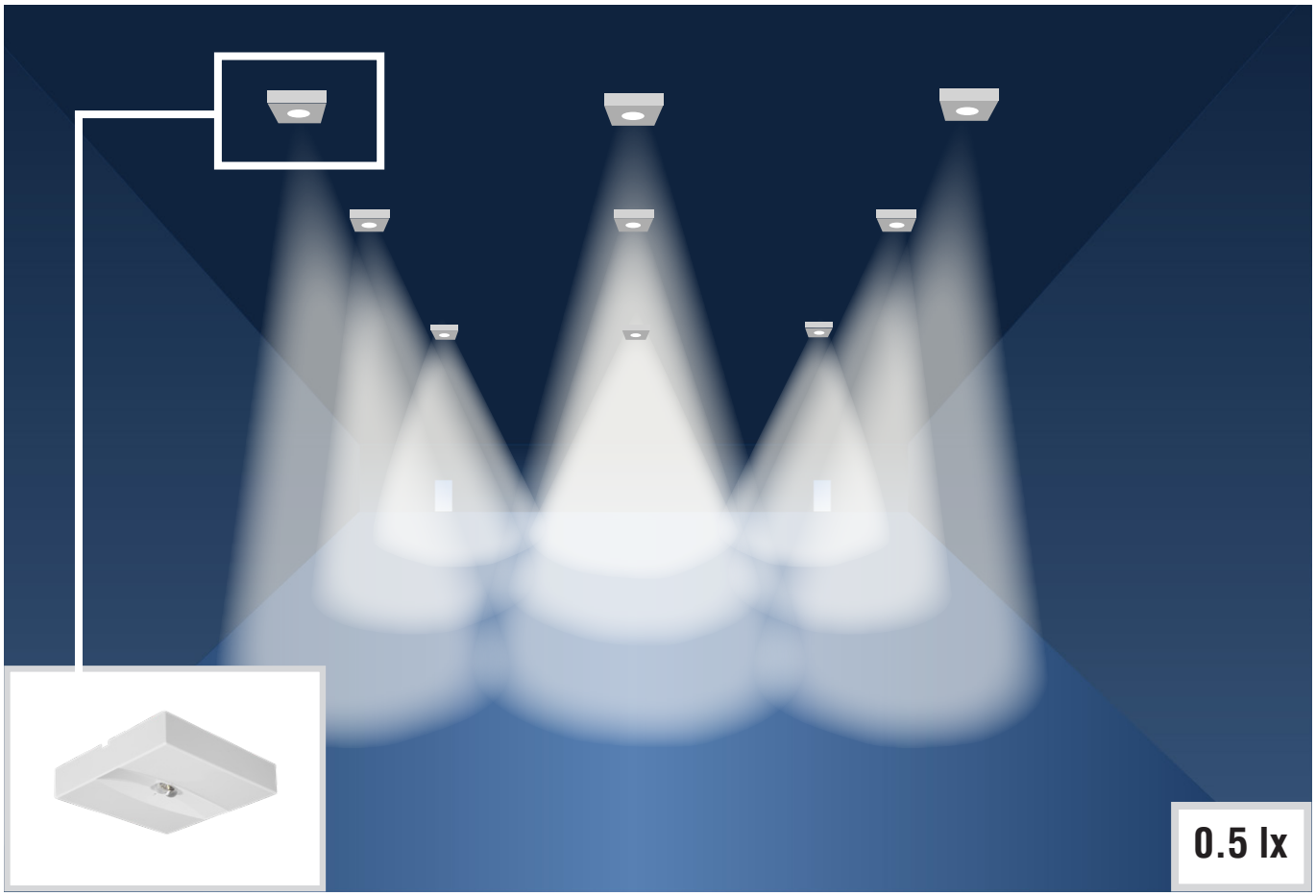
ESCAPE SIGN LUMINAIRES
for indication of escape routes and emergency exits



SAFETY LUMINAIRES
for illumination of escape routes



SAFETY LUMINAIRES
for illumination of areas



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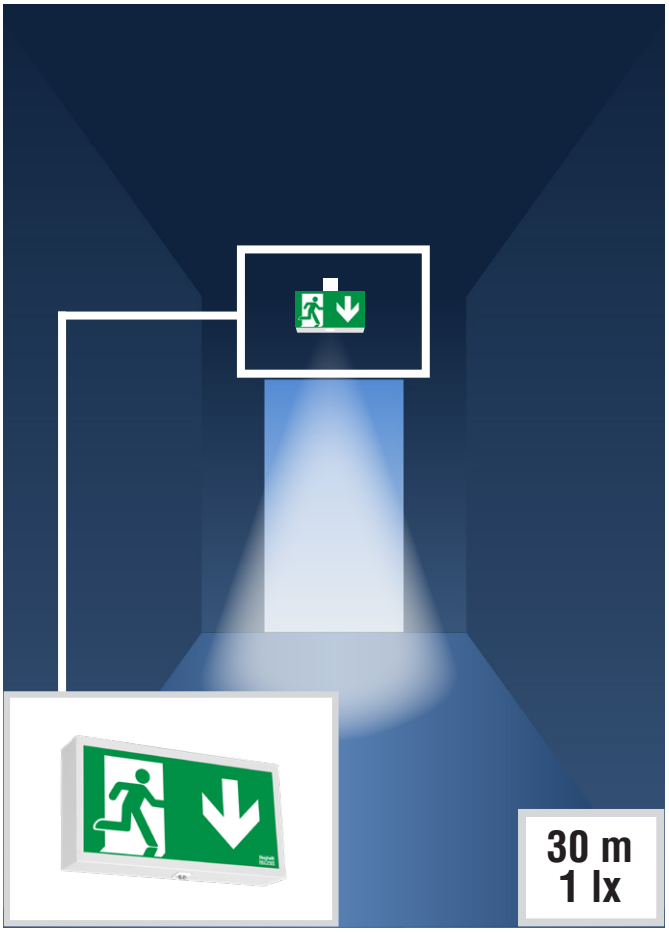
COMBINED LUMINAIRES

Combined escape sign and safety luminaires for indication and illumination



Combination of escape sign and safety luminaire in one luminaire

Ideal for **indication and illumination of emergency exits and changes of direction**

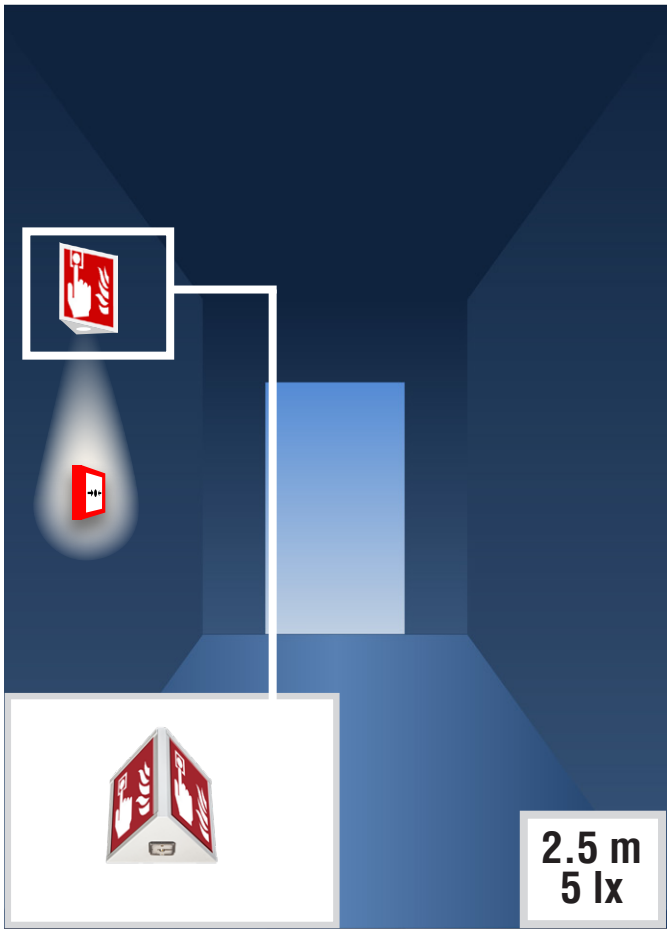
Also for **indication and illumination of safety devices**

Separate switching of both luminaires

Shorter installation times through reduction of the quantity of luminaires

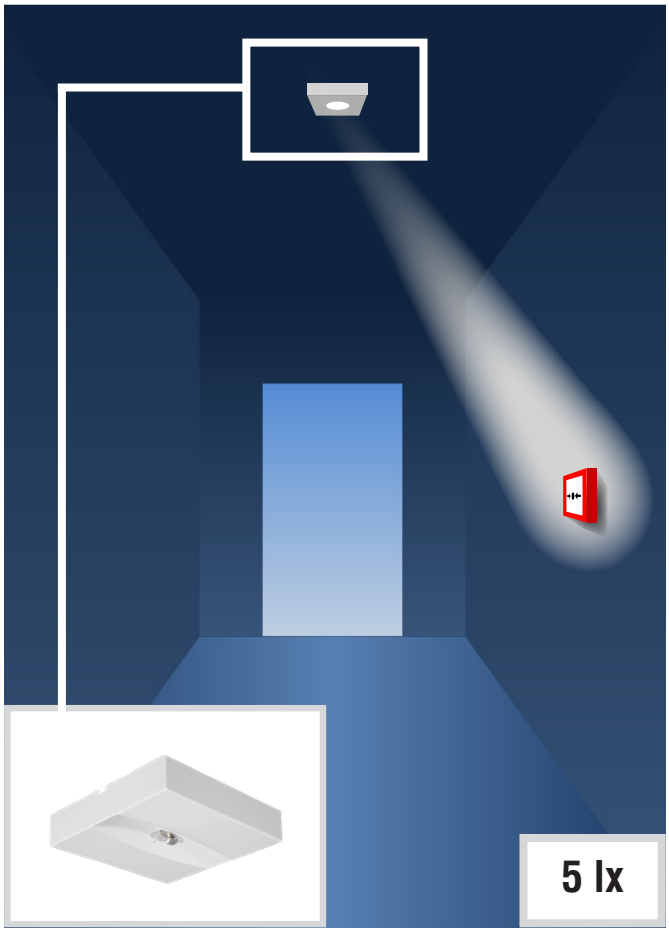
COMBINED LUMINAIRES

Combined safety sign and safety luminaires for indication and illumination of safety devices



SAFETY LUMINAIRES

for illumination of safety devices



SICURO 24 LED & SICURO 230

› LUMINAIRES FOR INNOVATIVE DECENTRAL & CENTRAL SUPPLY
Lithium-Titanate-Oxide batteries (LTO) for Sicuro24G

› INTEGRATED SWITCHING FUNCTIONS
for static and dynamic control

› INTEGRATED TEST DEVICE
for automatic tests

› EXTREME TEMPERATURE RANGE FOR SICURO24G
-10 °C to +45 °C

SICURO 24 LED

SICURO 230

Rev.-No. S2024-02

AVAILABLE AS

SEPARATE ESCAPE SIGN LUMINAIRES
SEPARATE SAFETY LUMINAIRES
DYNAMIC ESCAPE SIGN LUMINAIRES (ONLY WITH SICURO24)
DYNAMIC LUMINOUS MARKER (ONLY WITH SICURO24)
COMBINED ESCAPE SIGN AND SAFETY LUMINAIRES
COMBINED SAFETY SIGN AND SAFETY LUMINAIRES
FOR
DECENTRAL AND CENTRAL SUPPLY

FUNCTIONS

Luminaire monitoring with Sicuro230 and Sicuro24

Circuit monitoring with Sicuro230

Programmable operating mode

Combinable operating mode

Automatic addressing with Sicuro24

Manual and automatic addressing with Sicuro230

ADVANTAGES

Fire section or building-related supply

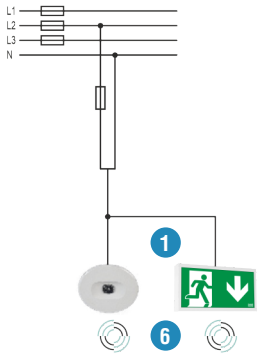
Danger-depending dynamic control of the escape route indication

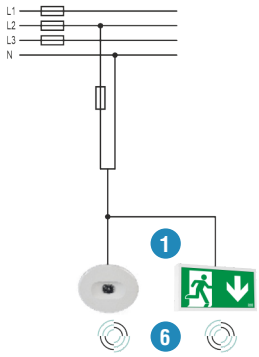
Danger-depending dynamic control of the escape route illumination

Choice of **automatic** or **manual** addressing

Automatic addressing for prevention of addressing failures

[AUTOTEST]





1. **Escape sign and safety luminaires** (AT)
2. **Supply module** (AT)
3. **Supply device** (AT)
4. **Combined general lighting and safety luminaire** (AT)
5. **Smartphone** with software B.connect[1]
6. **Optical interface** - flashlight of smartphone to light sensor of luminaire (unidirectional)

230 V AC
230 V AC / 230 V AC (rectangular-shaped) / 230 V DC
various voltages (mains voltage / lamp voltage)

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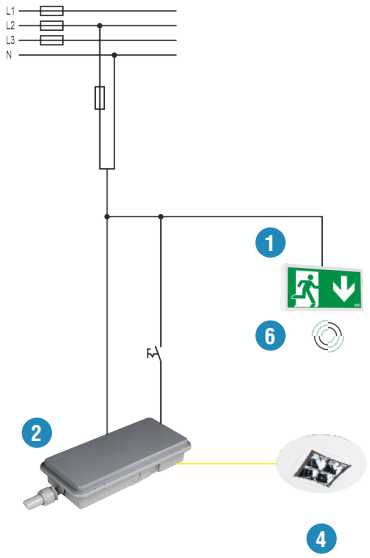
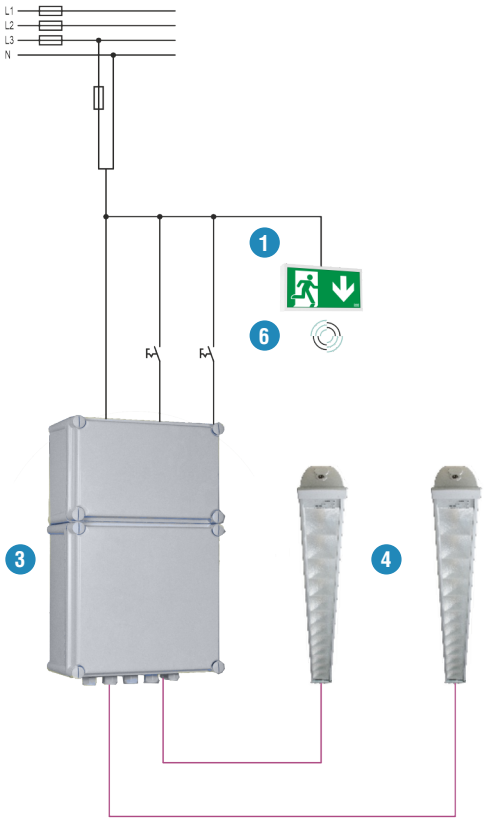
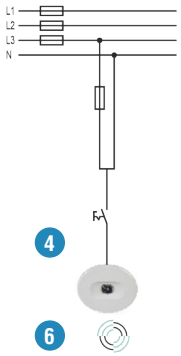
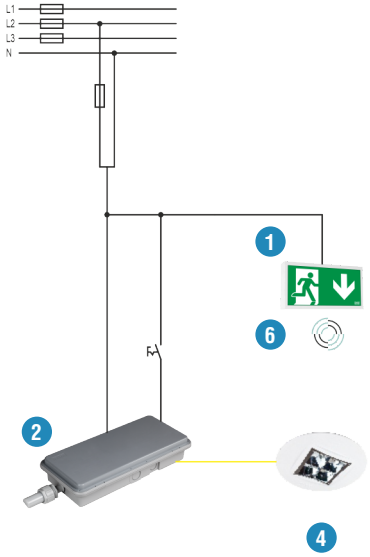
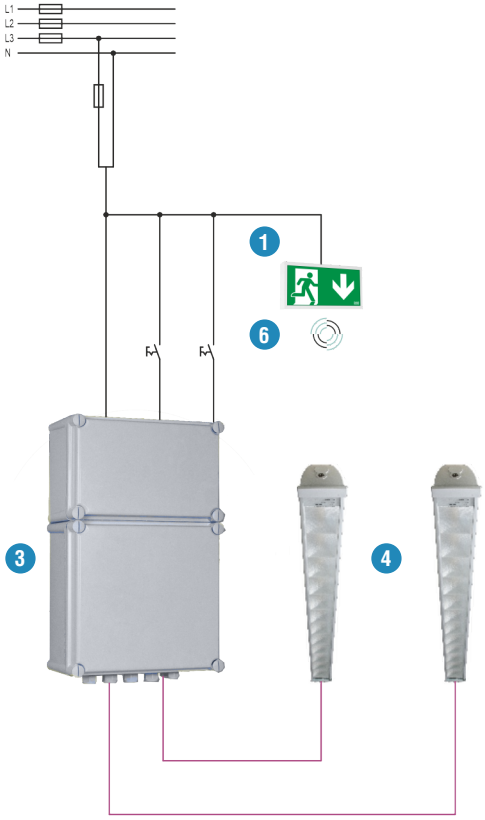
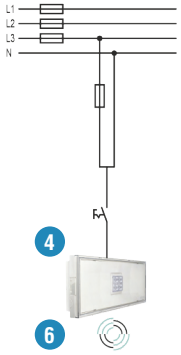




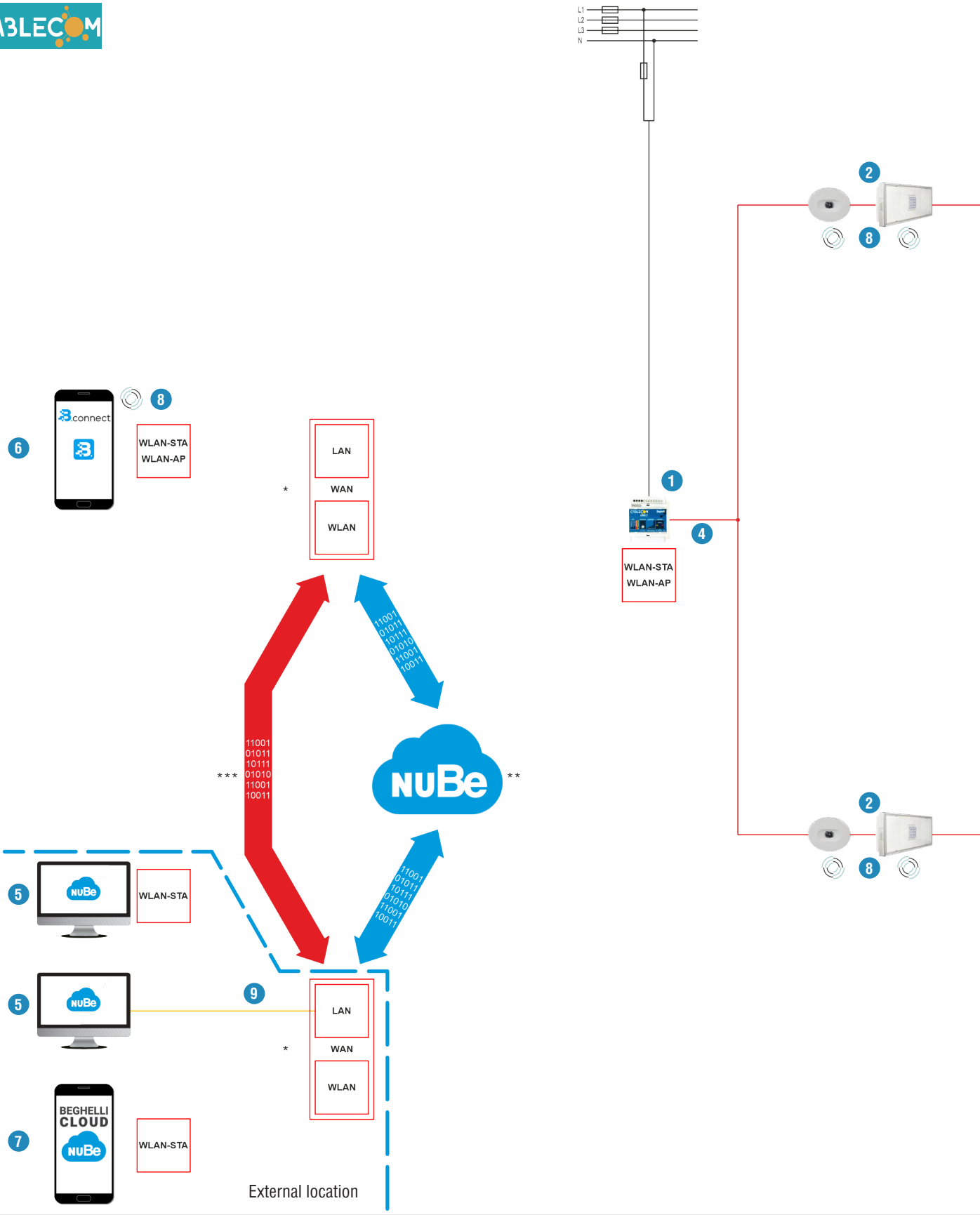








[1] Compatibility of test device with software resp. cloud must be considered - see page for software resp. cloud



1. Test device **CableCom Connect** - 20151
2. **Escape sign and safety luminaires** (CC)
3. **Combined general lighting and safety luminaire** (CC)
4. **CableCom cable bus (Powerline)** for max. 32 luminaires
5. **PC** with cloud NuBe[2]
6. **Smartphone** with software B.connect[2]
7. **Smartphone** with cloud NuBe[2]
8. **Optical interface** - flashlight of smartphone to light sensor of luminaire (unidirectional)

230 V AC
230 V AC with CableCom wire bus (Powerline)
Ethernet

* LAN and WLAN with connection to WAN (internet)
** Cloud NuBe on servers of Beghelli
*** For remote access over Logica Visual required VPN connection

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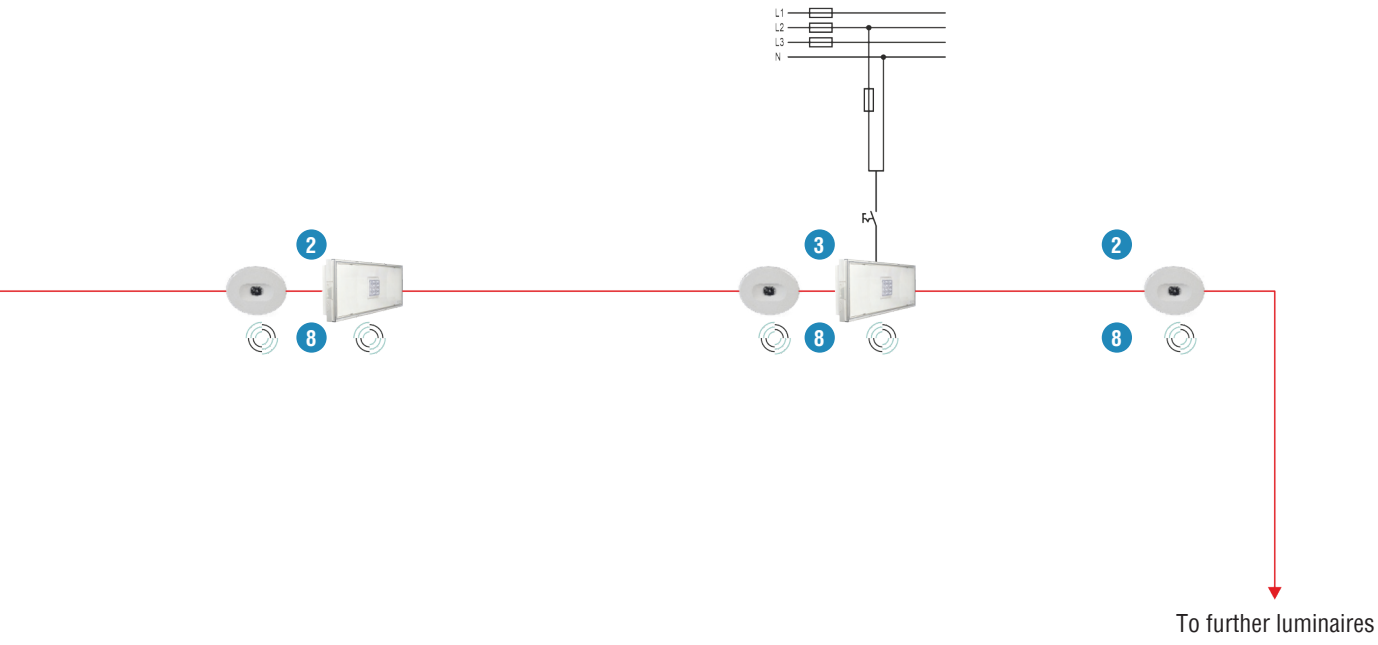
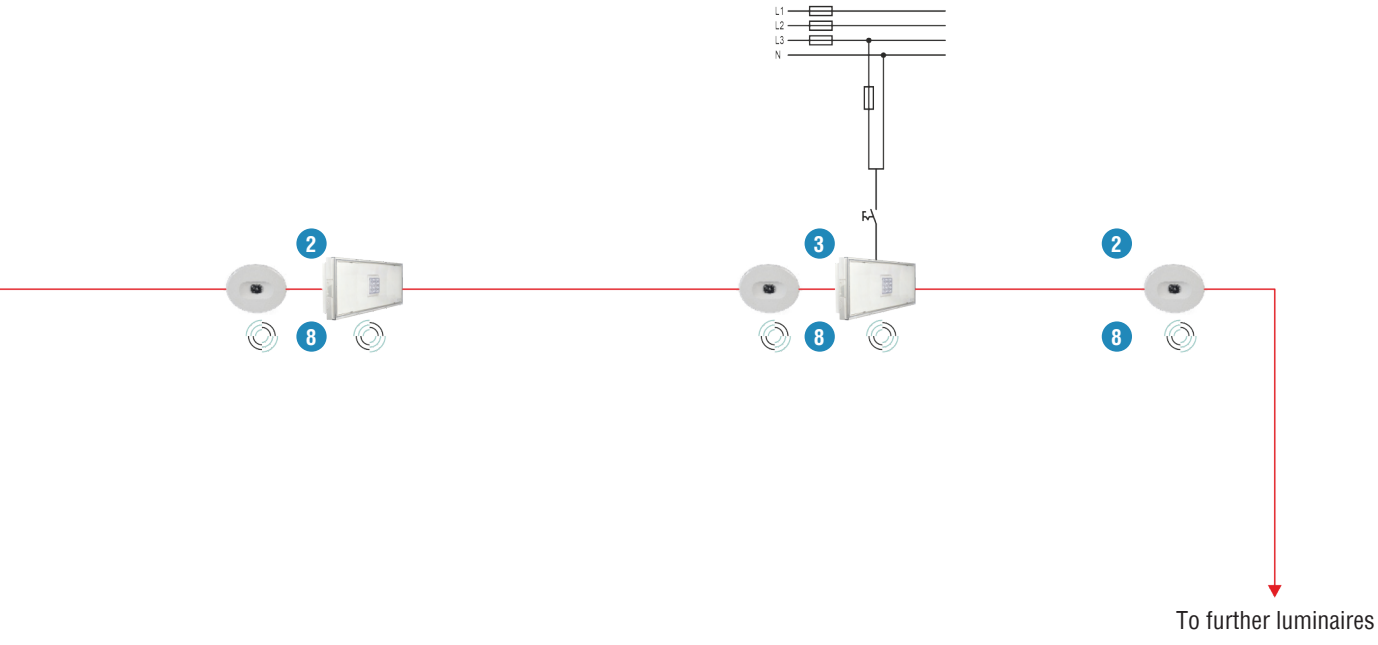


To further luminaires



To further luminaires

9 Ethernet[1]

[1] Cable: min. CAT-5

[2] Compatibility of test device with software resp. cloud must be considered - see page for software resp. cloud

CENTRAL TEST DEVICE CABLECOM CONNECT

Automatic test device for monitoring and control of luminaires with self-contained supply and integrated CableCom interface. Communication between test device CableCom Connect and max. 32 luminaires with self-contained supply and integrated CableCom interface via cable bus according to the Powerline principle (voltage supply and bus of luminaire in one cable). Automatic addressing of the luminaires.

PROGRAMMING

- System parameters per system[1]
- Test parameters (date, time, cycle) per system[1]
- Operating duration per system and luminaire[1] (programming overwrites possibly setting on luminaire)

INTERFACES

Powerline bus / CableCom interface for communication to

- Luminaires

WLAN-STA, WLAN-AP for communication to

- PC or Smartphone

OPERATION

Operation on the automatic test device or from a PC (option) / Smartphone (option).

2 buttons and 1 rotary switch for input and 16 LEDs with alpha-numeric labelling for output of all data and parameters. A slot screwdriver (3 mm) is required additionally for the input.

TECHNICAL DATA

Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	90 x 71 x 60 mm
Division units:	4 DU
Type of protection:	IP20
Protection class:	II
Mounting:	Distributor installation (DIN rail)
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

IP20

FUNCTIONS

TESTING

- Automatic execution of function and duration tests per system, simultaneous or delayed for the monitoring groups[2]
- Manual execution of function and duration tests per system or luminaire[1]

CONTROL

- Manual switching (on / off) in mains operation (only at maintained mode) per system[1] or luminaire[1]
- Manual dimming to fixed dimm value in mains operation (only at maintained mode) per system[1] or luminaire[1]

SIGNALLING

- Faults (lamp, communication fault, battery fault) per system or luminaire[1]

STORAGE

- Last 4 tests per system resp. luminaire
- Battery for data retention

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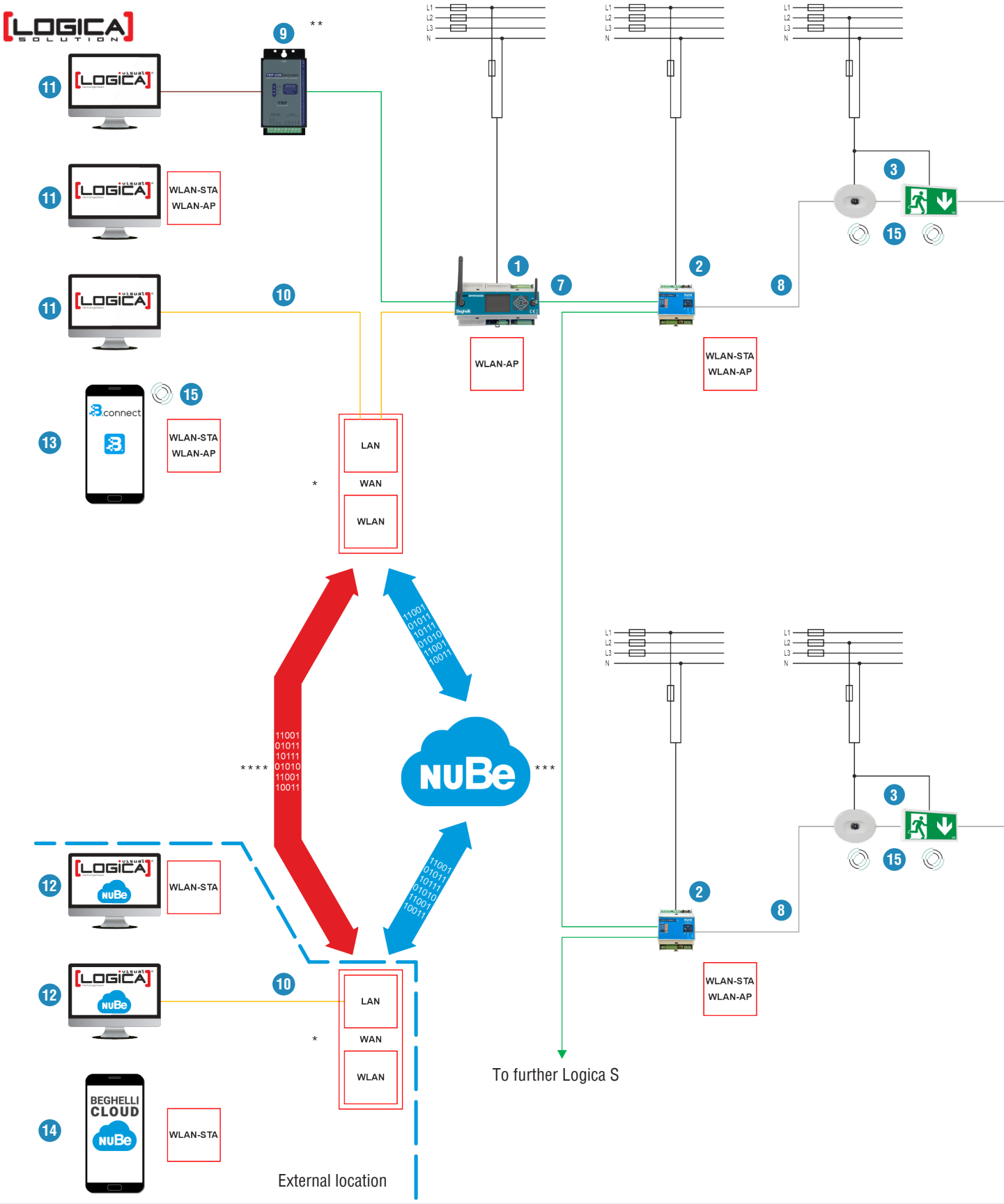
CABLECOM CONNECT FOR DISTRIBUTOR INSTALLATION

Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	90 x 71 x 60 mm
Division units:	4 DU
Type of protection:	IP20
Protection class:	II
Mounting:	Distributor installation (DIN rail)
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
20151	CableCom Connect for distributor installation (DIN rail)

[1] Only over software B.connect / cloud NuBe possible.

[2] Monitoring groups: Division of luminaires in the groups "Even" and "Odd". Defined factory-made through the adicity (even or odd) of the hexadecimal device addresses. The definition can be changed over software B.connect / cloud NuBe (programming overwrites factory-made definition on luminaire).



1. Test device **Logica Z** - 12131C
2. Test devices **Logica S Connect** - 12100C
3. **Escape sign and safety luminaires** (LG)
4. **Supply module** (LG)
5. **Supply device** (LG)
6. **Combined general lighting and safety luminaire** (LG)
7. **RS485 bus** for max. 31 Logica S Connect[1]
8. **Logica cable bus (DALI)** for max. 128 luminaires / supply modules / supply devices[2]

- 230 V AC
- 230 V AC / 230 V AC (rectangular-shaped) / 230 V DC
- RS485
- USB
- Ethernet
- Logica cable bus (DALI)
- various voltages (mains voltage / lamp voltage)

* LAN and WLAN with connection to WAN (internet)
** Only one interface per test device possible
*** Cloud NuBe on servers of Beghelli
**** For remote access over Logica Visual required VPN connection

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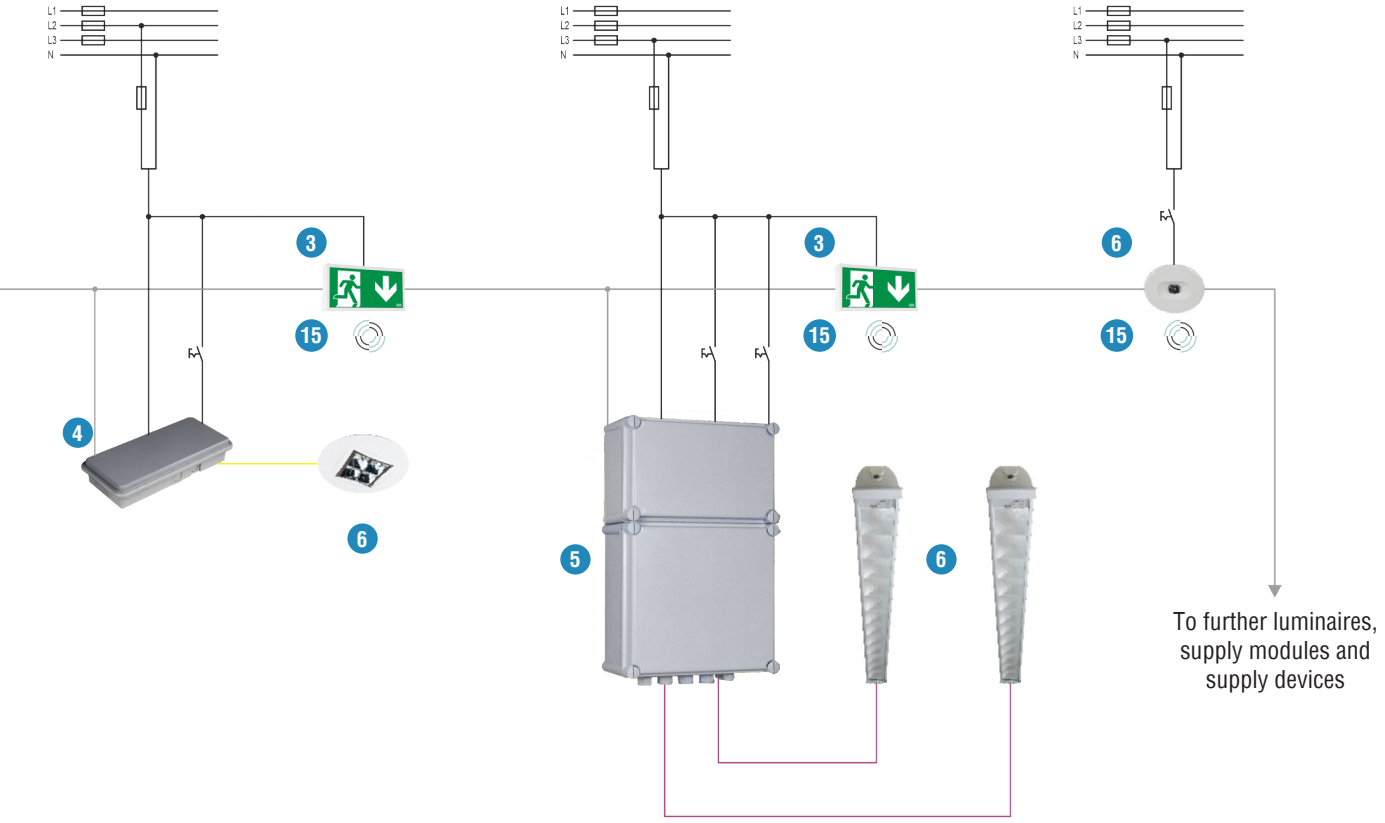

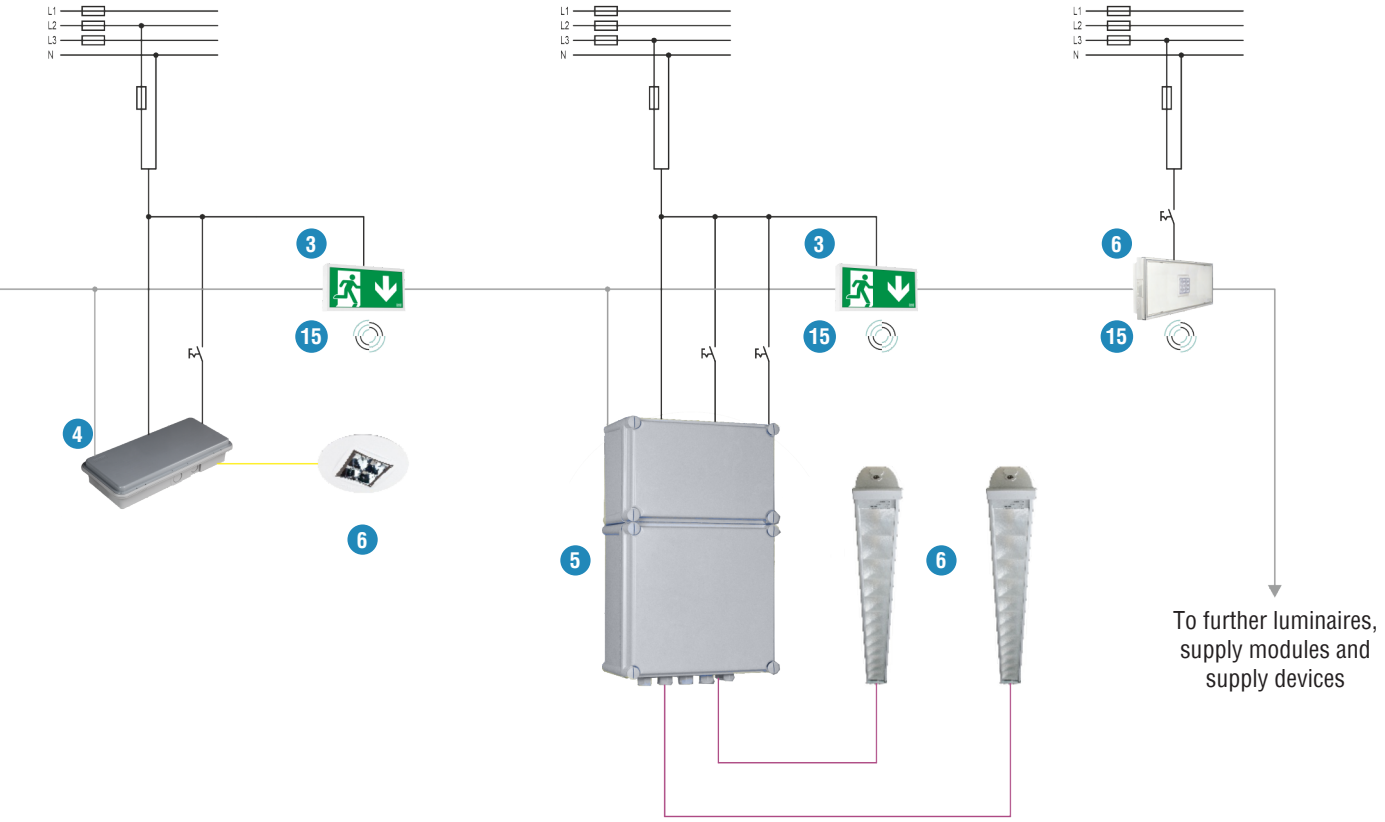

9 **RS485/USB interface** for PC with software Logica Visual[1]
10 **Ethernet**[3]
11 **PC** with software Logica Visual[4]
12 **PC** with software Logica Visual / cloud NuBe[4]
13 **Smartphone** with software B.connect[4]
14 **Smartphone** with cloud NuBe[4]
15 **Optical interface** - flashlight of smartphone to light sensor of luminaire (unidirectional)

[1] Cable (RS485): min. 2 x 2 x 0.8 mm
Length: max. 1.000 m
Topology: serial

[2] Cables: 2 x 0.5 mm², length max. 150 m
2 x 1 mm², length max. 300 m
2 x 1.5 mm², length max. 500 m
Topology: serial or parallel

[3] Cable: min. CAT-5

[4] Compatibility of test device with software resp. cloud must be considered - see page for software resp. cloud

CENTRAL TEST DEVICES LOGICA S CONNECT & LOGICA Z

Automatic test devices, in combination according to DIN EN 62034, for monitoring and control of luminaires, supply modules and supply devices with self-contained supply and integrated Logica interface. Communication between test device Logica S Connect and max. 128 luminaires, supply modules and supply devices with self-contained supply and integrated Logica interface via cable bus according to the DALI standard. Communication between test device Logica Z and max. 31 test devices Logica S Connect via cable bus (RS485). Automatic addressing of the luminaires, supply modules and supply devices.

PROGRAMMING

Logica S Connect:

- System parameters per system[1]
- Test parameters (date, time, cycle) per system[1]
- Operating duration per system[1], luminaire[1], supply module[1] and supply device[1] (programming overwrites setting on luminaire, supply module and supply device)
- Switching per luminaire[3] and group[3] (only at maintained mode)
- Free assignment of luminaires[1] to 16 groups per system

Logica Z:

- System parameters per system[1]
- Test parameters (date, time, cycle) per system or per Logica S Connect
- Switching per system[4] or per Logica S Connect[4] (only at maintained mode)

INTERFACES

Logica S Connect:
RS485 bus for communication to

- PC[6]
- Logica Z

DALI bus / Logica interface for communication to

- Luminaires, supply modules and supply devices

LAN (Ethernet), WLAN-AP/STA for communication to

- PC or Smartphone

Logica Z:
RS485 bus for communication to

- PC[6]
- Logica S Connect
- Building management system over Modbus RTU (RS485)

RS232 bus for communication to

- Printer

LAN (Ethernet), WLAN-AP for communication to

- PC or Smartphone
- Building management system over Modbus TCP (LAN)

2x USB (type A) for

- Download of system configuration
- Download of test results
- Software updates

LTE modem (4G) for communication over

- Mobile radio network[7]

OPERATION

Operation on the automatic test devices and additionally from a PC / smartphone.

Logica S Connect:
2 buttons for input and 8 LEDs with alphanumeric labelling for output of all data and parameters.

Logica Z:
4 buttons for input and colored 2.2“ display with graphic and alphanumeric interface for output of all data and parameters, multilingual (depending on installed software).

TECHNICAL DATA

Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	90 x 71 x 60 mm (Logica S Connect) 90 x 160 x 75 mm (Logica Z)
Division units:	4 DU (Logica S Connect) 9 DU (Logica Z)
Type of protection:	IP20
Protection class:	II
Mounting:	Distributor installation (DIN rail)
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

IP20

FUNCTIONS

TESTING

- Automatic execution of function and duration tests per system, simultaneous or delayed for the monitoring groups[2]
- Logica S Connect: manual execution of function and duration tests per system, luminaire[1], supply module[1] and supply device[1] or group[1]
- Logica Z: manual execution of function and duration tests per system or per Logica S Connect

CONTROL

- Logica S Connect: manual switching (on / off) in mains operation (only at maintained mode) per system[1], luminaire[1] or group[1]
- Logica Z: manual switching (on / off) in mains operation (only at maintained mode) per system or per Logica S Connect
- Logica S Connect: manual dimming to fixed dimm value in mains operation (only at maintained mode) per system[1], luminaire[1] or group[1]

SIGNALLING

- Logica S Connect: faults (lamp, communication fault, battery fault) per system or luminaire[1], supply module[1] and supply device[1]
- Logica Z: faults (lamp, communication fault, battery fault) per system or per Logica S Connect

STORAGE

- Logica S Connect: last 4 tests per system resp. luminaire, supply module and supply device
- Logica Z: tests of the last 2 years per system resp. luminaire, supply module and supply device
- Logica S Connect: battery for data retention / operation during mains failure
- Logica Z: battery for data retention

CONTROL INPUTS AND CONTROL OUTPUTS

- Logica S Connect: 4 control inputs[3] for switching of luminaires or groups (control signal: contact, potential-free)
- Logica S Connect: 1 control input[3] for sub distribution monitoring (control signal: 230 V / 50-60 Hz, 1-phase)
- Logica S Connect: 1 control output[3] for signalling of collective faults (control output: 1 changeover, potential-free)
- Logica Z: 4 control inputs[4] for switching of luminaires or groups (control signal: contact, potential-free)
- Logica Z: 3 control outputs[5] in combination with 1 to 3 fault signalling modules for signalling of collective faults (control output per fault signalling module: 1 changeover, potential-free)

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LOGICA S CONNECT & LOGICA Z FOR DISTRIBUTOR INSTALLATION

Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	90 x 71 x 60 mm (Logica S Connect) / 90 x 160 x 75 mm (Logica Z)
Division units:	4 DU (Logica S Connect) / 9 DU (Logica Z)
Type of protection:	IP20
Protection class:	II
Mounting:	Distributor installation (DIN rail)
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
12100C	Logica S Connect for distributor installation (DIN rail)
12131C	Logica Z for distributor installation (DIN rail)

LOGICA S CONNECT FOR SURFACE WALL MOUNTING

Housing:	Polystyrene, grey (RAL 7035)
Dimensions (H x W x D):	458 x 295 x 129 mm
Type of protection:	IP65
Protection class:	II
Mounting:	Surface wall mounting
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
12100C-B	Logica S Connect for surface wall mounting

LOGICA Z FOR SURFACE WALL MOUNTING

Housing:	Polystyrene, grey (RAL 7035)
Dimensions (H x W x D):	458 x 295 x 129 mm
Type of protection:	IP65
Protection class:	II
Mounting:	Surface wall mounting
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
12131C-B	Logica Z for surface wall mounting, with fault signalling module

LOGICA S CONNECT & LOGICA Z FOR SURFACE WALL MOUNTING

Housing:	Polystyrene, grey (RAL 7035)
Dimensions (H x W x D):	583 x 295 x 129 mm
Type of protection:	IP65
Protection class:	II
Mounting:	Surface wall mounting
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
12131C-S-B	Logica S Connect and Logica Z for surface wall mounting, with fault signalling module

[1] Only over software Logica Visual with Logica Z / software B.connect with Logica S Connect / cloud NuBe with Logica S Connect possible.

[2] Monitoring groups: Division of luminaires in the groups "Even" and "Odd". Defined factory-made through the adicity (even or odd) of the hexadecimal device addresses. The definition can be changed over Logica Z and software B.connect / cloud NuBe (programming overwrites factory-made definition on luminaire).

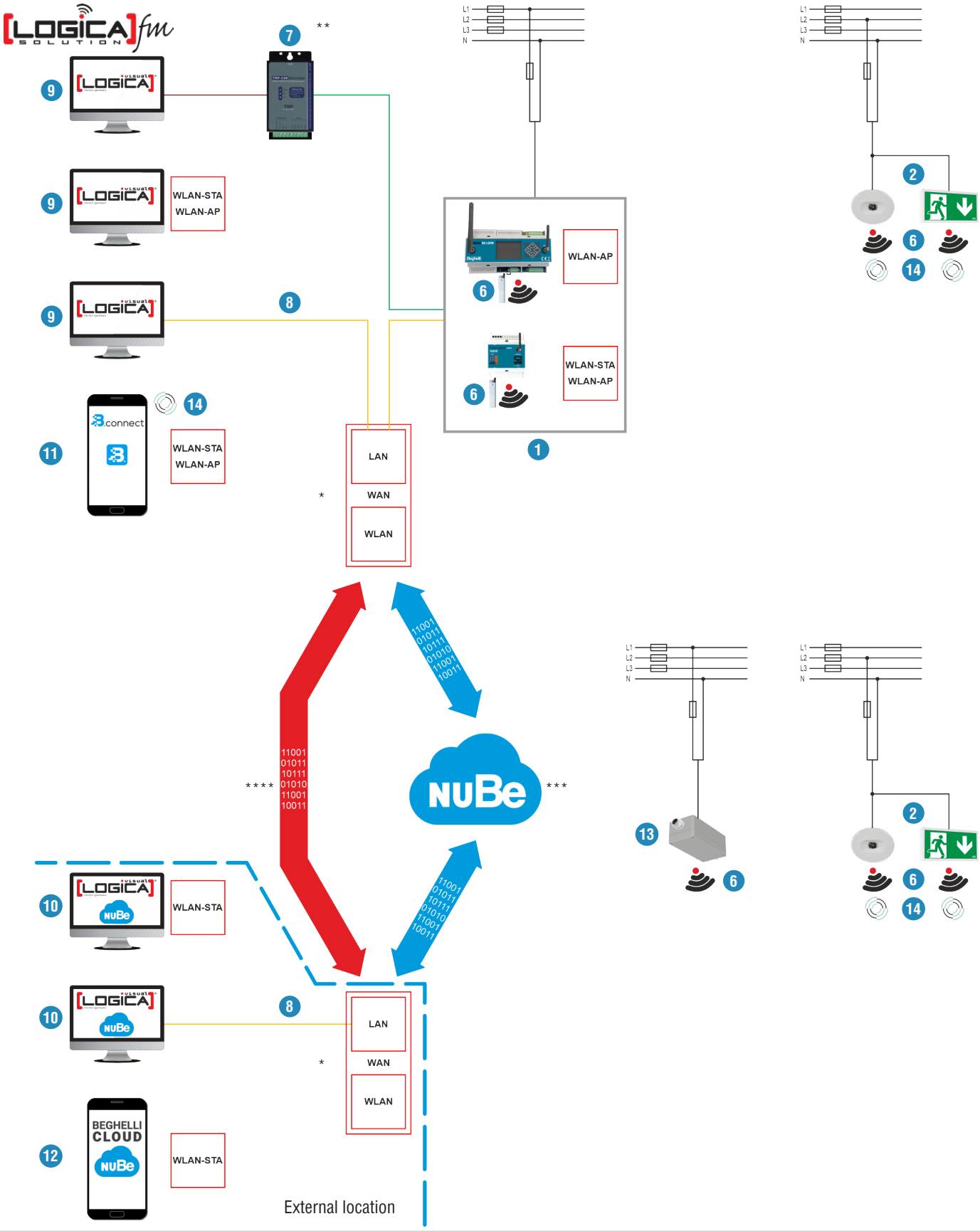
[3] Programmable (software only available for service technicians of Beghelli PRÄZISA Deutschland).

[4] Only programmable over software Real Time Risparmia (software only available for service technicians of Beghelli PRÄZISA Deutschland).

[5] Free programmable over Logica Z and software Real Time Risparmia (software only available for service technicians of Beghelli PRÄZISA Deutschland).

[6] For PC possibly additional interface for conversion from RS485 to USB or LAN (Ethernet) required. For smartphone only indirectly possible through conversion to LAN (Ethernet) with WLAN.

[7] The access to internet (WAN) takes place over the mobile radio network through an access point (APN). The data exchange is realized over a web server from Beghelli.



1. **Test devices Logica FM** - 21102 (above) / 12128C (below)
2. **Escape sign and safety luminaires** (FM)
3. **Supply module** (FM)
4. **Supply device** (FM)
5. **Combined general lighting and safety luminaire** (FM)
6. **Logica FM interface for radio bus** (ZigBee®)[1] for max. luminaires / supply modules / supply devices: 320 with 21102 or 256 with 12128C

- 230 V AC
- 230 V AC / 230 V AC (rectangular-shaped) / 230 V DC
- RS485
- USB
- Ethernet
- various voltages (mains voltage / lamp voltage)

* LAN and WLAN with connection to WAN (internet)
** Only one interface per test device possible
*** Cloud NuBe on servers of Beghelli
**** For remote access over Logica Visual required VPN connection

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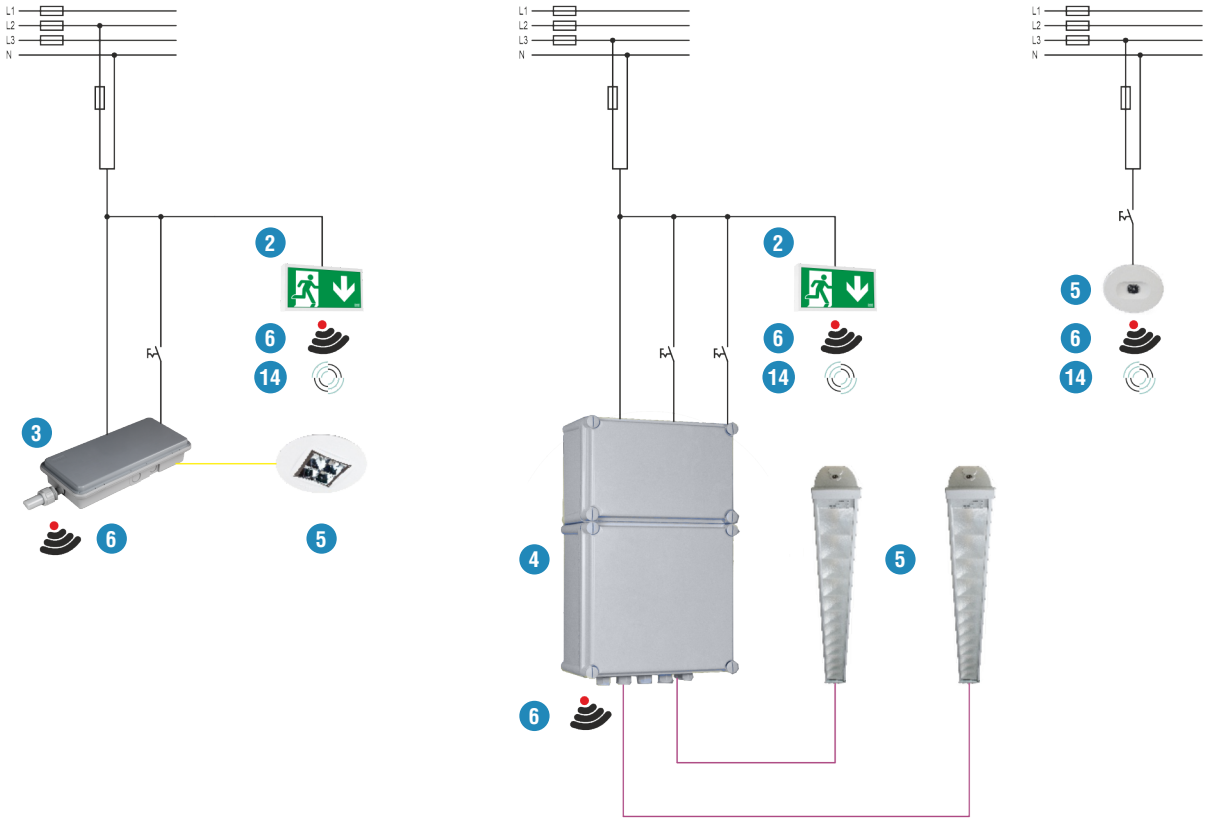

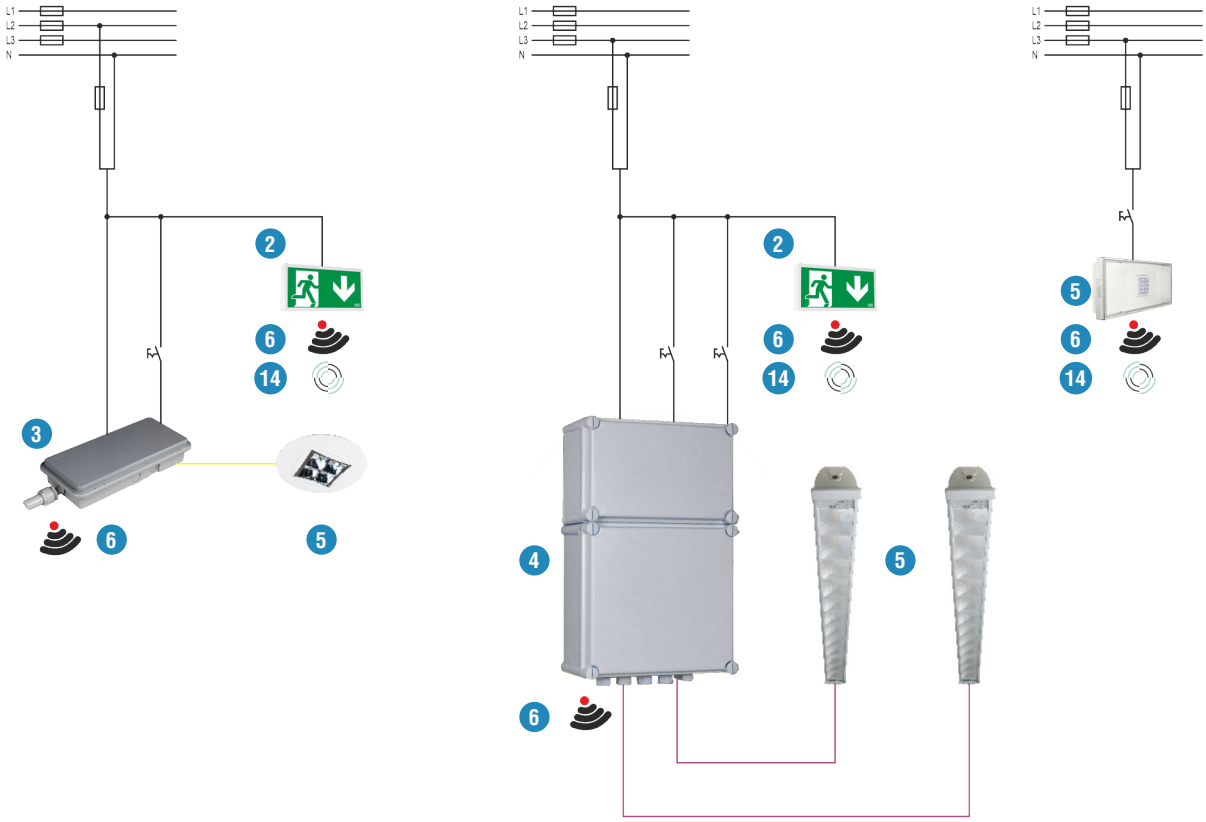

7 **RS485/USB interface** for PC with software Logica Visual[2]
8 **Ethernet**[3]
9 **PC** with software Logica Visual[4]
10 **PC** with software Logica Visual / cloud NuBe[4]
11 **Smartphone** with software B.connect[4]
12 **Smartphone** with cloud NuBe[4]
13 **Logica FM repeater** for amplification of the radio signal
14 **Optical interface** - flashlight of smartphone to light sensor of luminaire (unidirectional)

[1] Maximum distance between Logica FM interface and Logica FM interface: ca. 25 m

[2] Cable (RS485): min. 2 x 2 x 0.8 mm
Length: max. 1.000 m
Topology: serial

[3] Cable: min. CAT-5

[4] Compatibility of test device with software resp. cloud must be considered - see page for software resp. cloud

CENTRAL TEST DEVICE LOGICA FM

Automatic test device according to DIN EN 62034 for monitoring and control of luminaires, supply modules and supply devices with self-contained supply and integrated Logica FM interface. Communication between test device Logica FM and 320 luminaires max., supply modules and supply devices with self-contained supply and integrated Logica FM interface via radio bus according to the ZigBee® standard. All Logica FM interfaces with integrated repeater.Automatic addressing of the luminaires, supply modules and supply devices.

PROGRAMMING

- System parameters per system[1]
- Test parameters (date, time, cycle) per system
- Operating duration per system, luminaire, supply module and supply device (programming overwrites setting on luminaire, supply module and supply device)
- Switching per luminaire[3] and group[3] (only at maintained mode)
- Free assignment of luminaires to 16 groups per system

INTERFACES

RS485 bus for communication to

- PC[5]
- Building management system over Modbus RTU (RS485)

RS232 bus for communication to

- Printer

Radio bus / Logica FM interface for communication to

- Luminaires, supply modules and supply devices

LAN (Ethernet), WLAN-AP for communication to

- PC or Smartphone
- Building management system over Modbus TCP (LAN)

2x USB (type A) for

- Download of system configuration
- Download of test results
- Software updates

LTE modem (4G) for communication over

- Mobile radio network[6]

OPERATION

Operation on the automatic test device or from a PC (option) / smartphone (option).

4 buttons for input and colored 2.2“ display with graphic and alphanumeric interface for output of all data and parameters, multilingual (depending on installed software).

TECHNICAL DATA

Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	90 x 160 x 75 mm
Division units:	9 DU
Type of protection:	IP20
Protection class:	II
Mounting:	Distributor installation (DIN rail)
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

IP20

FUNCTIONS

TESTING

- Automatic execution of function and duration tests per system, simultaneous or delayed for the monitoring groups[2]
- Manual execution of function and duration tests per system, luminaire, supply module and supply device or group

CONTROL

- Manual switching (on / off) in mains operation (only at maintained mode) per system, luminaire or group
- Manual dimming to fixed dimm value in mains operation (only at maintained mode) per system, luminaire or group

SIGNALLING

- Faults (lamp, communication fault, battery fault) per system or luminaire, supply module and supply device

STORAGE

- Tests of the last 2 years per system resp. luminaire, supply module and supply device
- Battery for data retention

CONTROL INPUTS AND CONTROL OUTPUTS

- 4 control inputs[3] for switching of luminaires or groups (control signal: contact, potential-free)
- 3 control outputs[4] in combination with 1 to 3 fault signalling modules for signalling of collective faults (control output per fault signalling module: 1 changeover, potential-free)

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LOGICA FM FOR DISTRIBUTOR INSTALLATION

Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	90 x 160 x 75 mm
Division units:	9 DU
Type of protection:	IP20
Protection class:	II
Mounting:	Distributor installation (DIN rail)
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
21102	Logica FM for distributor installation (DIN rail),

LOGICA FM FOR SURFACE WALL MOUNTING

Housing:	Polystyrene, grey (RAL 7035)
Dimensions (H x W x D):	458 x 295 x 129 mm
Type of protection:	IP65
Protection class:	II
Mounting:	Surface wall mounting
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
21102-B	Logica FM for surface wall mounting, with fault signalling module,

[1] Only over software Logica Visual / software B.connect / cloud NuBe possible.

[2] Monitoring groups: Division of luminaires in the groups "Even" and "Odd". Defined factory-made through the adicity (even or odd) of the hexadecimal device addresses. The definition can be changed over Logica FM and software B.connect / cloud NuBe (programming overwrites factory-made definition on luminaire).

[3] Only programmable over software SD Manager.

[4] Free programmable over Logica FM and software SD Manager.

[5] For PC possibly additional interface for conversion from RS485 to USB or LAN (Ethernet) required. For smartphone only indirectly possible through conversion to LAN (Ethernet) with WLAN.

[6] The access to internet (WAN) takes place over the mobile radio network through an access point (APN). The data exchange is realized over a web server from Beghelli.

CENTRAL TEST DEVICE LOGICA FM COMPACT

Automatic test device according to DIN EN 62034 for monitoring and control of luminaires, supply modules and supply devices with self-contained supply and integrated Logica FM interface. Communication between test device Logica FM Compact and 256 luminaires max., supply modules and supply devices with self-contained supply and integrated Logica FM interface via radio bus according to the ZigBee® standard. All Logica FM interfaces with integrated repeater.Automatic addressing of the luminaires, supply modules and supply devices.

PROGRAMMING

- System parameters per system[1]
- Test parameters (date, time, cycle) per system[1]
- Operating duration per system[1], luminaire[1], supply module[1] and supply device[1] (programming overwrites setting on luminaire, supply module and supply device)
- Switching per luminaire[3] and group[3] (only at maintained mode)
- Free assignment of luminaires[1] to 16 groups per system

INTERFACES

RS485 bus for communication to

- PC[4]
- Building management system over Modbus RTU (RS485)

Radio bus / Logica FM interface for communication to

- Luminaires, supply modules and supply devices

LAN (Ethernet), WLAN-AP/STA for communication to

- PC or Smartphone
- Building management system over Modbus TCP (LAN)

USB (type A) for

- Download of system configuration
- Download of test results
- Software updates

OPERATION

Operation on the automatic test device and additionally from a PC / smartphone.

2 buttons for input and 8 LEDs with alphanumeric labelling for output of all data and parameters.

TECHNICAL DATA

Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	90 x 71 x 60 mm
Division units:	4 DU
Type of protection:	IP20
Protection class:	II
Mounting:	Distributor installation (DIN rail)
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

IP20

FUNCTIONS

TESTING

- Automatic execution of function and duration tests per system, simultaneous or delayed for the monitoring groups[2]
- Manual execution of function and duration tests per system, luminaire[1], supply module[1] and supply device[1] or group[1]

CONTROL

- Manual switching (on / off) in mains operation (only at maintained mode) per system[1], luminaire[1] or group[1]
- Manual dimming to fixed dimm value in mains operation (only at maintained mode) per system[1], luminaire[1] or group[1]

SIGNALLING

- Faults (lamp, communication fault, battery fault) per system or luminaire[1], supply module[1] and supply device[1]

STORAGE

- Tests of the last 2 years per system resp. luminaire, supply module and supply device
- Battery for data retention / operation during mains failure

CONTROL INPUTS AND CONTROL OUTPUTS

- 4 control inputs[3] for switching of luminaires or groups (control signal: contact, potential-free)
- 1 control input[3] for sub distribution monitoring (control signal: 230 V / 50-60 Hz, 1-phase)
- 1 control output[3] for signalling of collective faults (control output: 1 changeover, potential-free)

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LOGICA FM COMPACT
FOR DISTRIBUTOR INSTALLATION

Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	90 x 71 x 60 mm
Division units:	4 DU
Type of protection:	IP20
Protection class:	II
Mounting:	Distributor installation (DIN rail)
Mains supply:	230 V +/- 10 % / 50-60 Hz
Ambient temperature:	0 °C to +40 °C

Order code	Description
12128C	Logica FM Compact for distributor installation (DIN rail),

[1] Only over software Logica Visual / software B.connect / cloud NuBe possible.

[2] Monitoring groups: Division of luminaires in the groups "Even" and "Odd". Defined factory-made through the adicity (even or odd) of the hexadecimal device addresses. The definition can be changed over software B.connect / cloud NuBe (programming overwrites factory-made definition on luminaire).

[3] Only programmable over software SD Manager.

[4] For PC possibly additional interface for conversion from RS485 to USB or LAN (Ethernet) required. For smartphone only indirectly possible through conversion to LAN (Ethernet) with WLAN.

FAULT SIGNALLING MODULE

Module for ceonnection to automatic test devices. External passing of a collective fault.

Signalling output:	Changeover, potential-free (250 V / 5 A)
Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	95 x 48 x 42 mm
Type of protection:	IP20
Protection class:	II
Mounting:	DIN rail
Ambient temperature:	0 °C to +40 °C
Compatible test devices:	Logica S Connect (12100C) Logica Z (12131C) Logica FM (21102) Logica FM Compact (12128C)

Order code	Description
G31305	Fault signalling module

RS485/ETHERNET INTERFACE

Module for communication with central test devices over network with choice of 10 Mbit/s (10BaseT) or 100 Mbit/s (100BaseT). Is required, if a second network connection is desired per test device or if several test devices are connected over RS485 and should be monitored and controlled on a common network connection. The compatibility of the test device with the chosen software resp. cloud must be considered - see page for software resp. cloud.

Scope of delivery:	1 x mains adaptor, 1 x mounting adaptor for DIN rail, 1 x adaptor plug (DE-9 <> plug terminals)
Housing:	Plastic
Dimensions (H x W x D):	90 x 48 x 25 mm
Type of protection:	IP20
Protection class:	II
Mounting:	DIN rail or surface wall mounting
Compatible test devices:	Logica S Connect (12100C) Logica Z (12131C) Logica FM (21102) Logica FM Compact (12128C)

Order code	Description
17223	RS485/Ethernet interface

RS485/USB INTERFACE

Module for communication with central test devices over USB. The compatibility of the test device with the chosen software must be considered - see page for software.

Scope of delivery:	1x mounting adaptor for DIN rail, 1x USB cable
Housing:	Metal
Dimensions (H x W x D):	151 x 75 x 26 mm
Type of protection:	IP20
Protection class:	III
Mounting:	DIN rail or surface wall mounting
Compatible test devices:	Logica S Connect (12100C) Logica Z (12131C) Logica FM (21102) Logica FM Compact (12128C)

Order code	Description
16319	RS485/USB interface

Rev.-No. S2024-02

PRINTER

Printer for connection to central test devices. Printout of fault messages and test results.

Paper type:	Thermal paper
Housing:	Plastic, black
Dimensions (H x W x D):	85 x 85 x 57 mm
Type of protection:	IP20
Protection class:	I
Mounting:	DIN rail
Compatible test devices:	Logica Z (12131C) Logica FM (21102)

Order code	Description
16302	Printer

FM REPEATER

Repeater for Logica FM. Amplification of the radio signal on respective position in the radio network. Integrated Logica FM interface according to the ZigBee® standard.

Housing:	Polycarbonate, grey (RAL 7035)
Dimensions (H x W x D):	80 x 160 x 60 mm
Type of protection:	IP66
Protection class:	II
Mounting:	Surface wall mounting or surface ceiling mounting
Mains supply:	198 V–254 V / 50 Hz
Ambient temperature:	-10 °C to +45 °C
Battery:	LIFE 6.4 V / 1.5 Ah
Compatible test devices:	Logica FM (21102) Logica FM Compact (12128C)

Order code	Description
16321	FM repeater

Order code	Description
12139	Logica Visual

LOGICA VISUAL **Monitoring and control software**

Software for central monitoring and control of complex safety lightings with self-contained supply, decentral or central supply. Developed for use with desktop computers and laptops. Ideal for application in a building management system as well as for maintenance of the systems. High downward compatibility for older automatic test devices.

Version for Windows XP (32 / 64 Bit), Windows VISTA (32 / 64 Bit), Windows 7 (32 / 64 Bit), Windows 8 (32 / 64 Bit), Windows 10 (32 / 64 Bit) and Windows 11

Documented software version: 5.4.19

PROGRAMMING

- Import of layout plans as DXF/DWG file
- Textual and graphical assignment of all systems, circuits and luminaires resp. luminaires, supply devices and supply modules
- System parameters per system
- Operating mode per circuit or luminaire (decentral and central supply)
- Switching per circuit or luminaire (decentral and central supply)
- Operating mode resp. switching per luminaire or supply device (self-contained supply, only at maintained mode)
- Test parameters per system
  - date
  - time
  - duration
  - cycle
- Free assignment of luminaires to groups per system (decentral supply Sicuro24, central supply Sicuro230 and self-contained supply)
- 3 programmable time functions (time switches) each for all 7 weekdays with 5 switch-on times per week day (decentral and central supply)
- Configuration of control inputs (self-contained supply – Logica S, 16300)

COMPATIBILITY

- Systems with self-contained supply

Autotest:	no
CableCom Connect (20151):	no
Logica S Connect (12100C):	yes
Logica S Connect (12100C) + Logica Z (12131C):	yes
Logica FM (21102):	yes
Logica FM Compact (12128C):	yes

- Systems with decentral supply

NGB:	yes
Sicuro24:	yes

- Systems with central supply

NZB:	yes
Sicuro230:	yes

- Systems with general lighting

Smart Lighting:	no

FUNCTIONS

MONITORING

- automatic or manual execution of a function test
- automatic or manual execution of a duration test

CONTROL

- manual switching (on / off) of the maintained mode in mains operation per system (decentral and central supply)
- manual switching (on / off) of the maintained mode in mains operation per luminaire and supply device (self-contained supply)

SIGNALLING

- current status in online mode in graphical and numerical format per luminaire (decentral and central supply)
  - operating mode resp. switching
  - faults
  - tests
- current status in online mode in graphical and numerical format per luminaire, supply device and supply module (self-contained supply)
  - operational condition
  - operating mode resp. switching
  - faults
  - tests
- faults in online mode per luminaire (decentral and central supply)
  - lamp
  - communication fault
- faults in online mode per luminaire, supply device and supply module (self-contained supply)
  - lamp
  - communication fault
  - battery fault
- tests of the last 2 years per system (decentral and central supply)
- tests per system depending on used test device (self-contained supply)

Rev.-No. S2024-02

Order code	Description
–	B.connect

Download on the App Store

GET IT ON Google Play

B.CONNECT

Monitoring and control software

Software for local monitoring and control of complex safety lightings with self-contained supply as well as for equipment for room air cleaning from the SanificaAria series. Developed for use with smartphones and tablets. Ideal for application on site with quick access to single equipment or to automatic test devices. The optical interface used by B.connect (per flashlight of the smartphone camera, unidirectional) is not compatible with luminaires which are equipped with the Opticom interface.

Version for Android starting from 5.0 and iOS starting from 11.0

Documented software version: 2.4.9 / Build 2490

PROGRAMMING

- Cooperation mode with NuBe
- System parameters per system
- Operating mode resp. switching per luminaire or supply device (self-contained supply, only at maintained mode)
- Test parameters per system (self-contained supply)
  - date
  - time
  - duration
  - cycle
- Binary division of all luminaires, supply devices and supply modules in the monitoring groups „Even“ and „Odd“ per system (self-contained supply)
- Disinfection times per equipment (SanificaAria)

COMPATIBILITY

- Systems with self-contained supply

Autotest:	yes
CableCom Connect (20151):	yes
Logica S Connect (12100C):	yes
Logica S Connect (12100C) + Logica Z (12131C):	no
Logica FM (21102):	yes
Logica FM Compact (12128C):	yes

- Systems with decentral supply

NGB:	no
Sicuro24:	no

- Systems with central supply

NZB:	no
Sicuro230:	no

- Systems with general lighting

Smart Lighting:	no

FUNCTIONS

MONITORING - DECENTRAL TEST DEVICE AUTOTEST

- manual execution of a function test

MONITORING - CENTRAL TEST DEVICES

- automatic or manual execution of a function test
- automatic or manual execution of a duration test

CONTROL

- manual switching (on / off) of the maintained mode in mains operation per luminaire and supply device (self-contained supply)
- manual switching (on / off) of the room air cleaning per equipment (SanificaAria)
- manual selection (in 3 steps) of the fan speed of the room air cleaning per equipment (SanificaAria)

SIGNALLING - CENTRAL TEST DEVICES

- current status in online mode in graphical and numerical format per luminaire, supply device and supply module (self-contained supply)
  - operational condition
  - operating mode resp. switching
  - faults
  - tests
- faults in online mode per luminaire, supply device and supply module (self-contained supply)
  - lamp
  - communication fault
  - battery fault
- tests per system depending on used test device (self-contained supply)

SD MANAGER

Programming and analysis software

Software for central programming and analysis of complex safety lightings with self-contained supply and general lightings with Smart Lighting. Developed for use with desktop computers and laptops. Ideal for application at the commissioning as well as for failure search and maintenance of the systems.

Version for Windows XP (32 / 64 Bit), Windows VISTA (32 / 64 Bit), Windows 7 (32 / 64 Bit), Windows 8 (32 / 64 Bit), Windows 10 (32 / 64 Bit) and Windows 11

Documented software version: 2.67.0

Order code	Description
20109	SD Manager

PROGRAMMING

- Import of layout plans as DXF/DWG file
- Textual and graphical assignment of all luminaires, supply devices and supply modules
- System parameters per system
- Operating mode resp. switching per luminaire or supply device (only at maintained mode)
- Test parameters per system (self-contained supply)
  - date
  - time
  - duration
  - cycle
- Free assignment of luminaires to groups per system
- Configuration of control inputs and control outputs (self-contained supply)
- Sensor management per equipment (general lighting with Smart Lighting)

COMPATIBILITY

- Systems with self-contained supply

Autotest:	no
CableCom Connect (20151):	no
Logica S Connect (12100C):	no
Logica S Connect (12100C) + Logica Z (12131C):	no
Logica FM (21102):	yes
Logica FM Compact (12128C):	yes

- Systems with decentral supply

NGB:	no
Sicuro24:	no

- Systems with central supply

NZB:	no
Sicuro230:	no

- Systems with general lighting

Smart Lighting:	yes

FUNCTIONS

MONITORING

- automatic or manual execution of a function test (self-contained supply)
- automatic or manual execution of a duration test (self-contained supply)

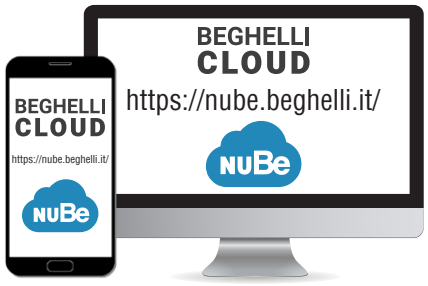
CONTROL

- manual switching (on / off) of the maintained mode in mains operation per luminaire and supply device

SIGNALLING

- current status in online mode in graphical and numerical format per luminaire, supply device and supply module
  - operational condition
  - operating mode resp. switching
  - faults
  - tests (self-contained supply)
- faults in online mode per luminaire, supply device and supply module
  - lamp
  - communication fault
  - battery fault (self-contained supply)
- tests per system depending on used test device (self-contained supply)
- Energy management per luminaire (general lighting with Smart Lighting)
  - current power
  - possible power at minimal dimming
  - possible power at maximal dimming
  - operating hours
  - Energy consumption related to operating hours
  - Energy saving after renovation with new installed luminaire, related to manual entered power of the previously installed luminaire

Rev.-No. S2024-02



NUBE Cloud

Cloud for central monitoring and control of complex safety lightings with self-contained supply as well as for equipment for room air cleaning from the SanificaAria series. Developed for use with desktop computers, laptops, smartphones and tablets. Ideal for application from an external location, a building management system as well as for maintenance of the systems with quick access to single equipment or to automatic test devices.

Version for Android starting from 5.0, iOS starting from 11.0, Windows 10 (32 / 64 Bit) and Windows 11

Documented software version: 01.01 22-04-21

Go to https://nube.beghelli.it/

Order code	Description
–	NuBe (Basic), costless
NUBE01	NuBe PRO (Professional), license for one central test device for 1 year
NUBE02	NuBe PRO (Professional), license for one central test device for 2 years
NUBE03	NuBe PRO (Professional), license for one central test device for 3 years
NUBE04	NuBe PRO (Professional), license for one central test device for 4 years
NUBE05	NuBe PRO (Professional), license for one central test device for 5 years
NUBE06	NuBe PRO (Professional), license for one central test device for 6 years
NUBE07	NuBe PRO (Professional), license for one central test device for 7 years
NUBE08	NuBe PRO (Professional), license for one central test device for 8 years
NUBE09	NuBe PRO (Professional), license for one central test device for 9 years
NUBE10	NuBe PRO (Professional), license for one central test device for 10 years

PROGRAMMING

- Cooperation mode with B.connect
- Import of layout plans and photos as JPEG file
- Textual and graphical assignment of all luminaires, supply devices and supply modules
- System parameters per system
- Operating mode resp. switching per luminaire or supply device (self-contained supply, only at maintained mode)
- Test parameters per system (self-contained supply)
  - date
  - time
  - duration
  - cycle
- Free assignment of luminaires to groups per system (self-contained supply)
- Disinfection times per equipment (SanificaAria)

COMPATIBILITY

- Systems with self-contained supply

Autotest:	no
CableCom Connect (20151):	yes
Logica S Connect (12100C):	yes
Logica S Connect (12100C) + Logica Z (12131C):	no
Logica FM (21102):	yes
Logica FM Compact (12128C):	yes

- Systems with decentral supply

NGB:	no
Sicuro24:	no

- Systems with central supply

NZB:	no
Sicuro230:	no

- Systems with general lighting

Smart Lighting:	no

FUNCTIONS

MONITORING

- automatic or manual execution of a function test
- automatic or manual execution of a duration test

CONTROL

- manual switching (on / off) of the maintained mode in mains operation per luminaire and supply device (self-contained supply)
- manual switching (on / off) of the room air cleaning per equipment (SanificaAria)
- manual selection (in 3 steps) of the fan speed of the room air cleaning per equipment (SanificaAria)

SIGNALLING

- current status in online mode in graphical and numerical format per luminaire, supply device and supply module (self-contained supply)
  - operational condition
  - operating mode resp. switching
  - faults
  - tests
- faults in online mode per luminaire, supply device and supply module (self-contained supply)
  - lamp
  - communication fault
  - battery fault
- with use of NuBe (Basic): automatic tests of the last 12 months per system
- with use of NuBe PRO (Professional): automatic tests without limitation per system

Order procedure for NuBe PRO:

1. Release order with order code for the desired duration of the subscription (in years). The order quantity regardingi the selected order code depends on the quantity of central test devices per installation.

   Example:
   For an installation with 3 central test devices and a desired subscription duration of 5 years, NUBE05 must be ordered 3x.
2. Upon order the installation designation, the town of the installation and a valid e-mail address must be stated, to whiich the activation key should be sent.

   Example:
   Luminaire factory Ltd. – Storehouse 01 / Dinslaken / admin@luminairefactory.de
3. Beghelli PRÄZISA Deutschland sends an invoice regarding the order. The activation key which must be entered in the cloud NuBe will be send to the previously stated e-mail address after payment. NuBe PRO is afterwards ready for the use.

PLEXI LED

Housing in flat design made of sheet steel and frameless display with integrated light guide panel made of clear plastic. Homogeneous light distribution for realization of an optimal illumination of the escape sign. 1- or 2-sided escape route indication through exchangeable escape sign foils.

Versions for surface wall and ceiling mounting, recessed ceiling mounting as wire pendulum (in hollow ceilings) and wire pendulum (surface ceiling mounting) and with additional accessories for recessed ceiling mounting (in massive ceilings) and bracket

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Sheet steel, white (RAL 9010)
Display pane:	Light guide panel (display pane) / Polycarbonate (foil, printed)
Service life $L_{80}B_{20}$:	50.000 h
Color stability:	3 SDCM
Color temperature:	5.000 K
Color rendering index:	80
Optic interface:	LIFE

20 m | 30 m | IP20 | IK03

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

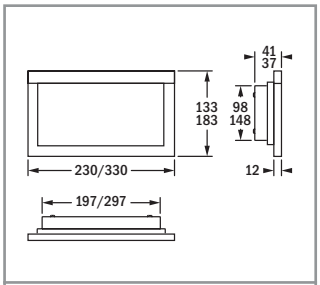
Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	II for recessed ceiling mounting with round cutout, I for all other mounting types

DECENTRAL SUPPLY

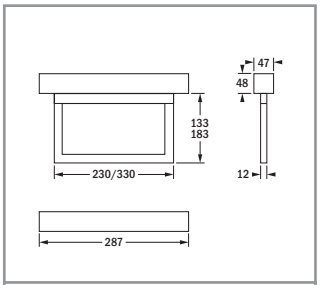
Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

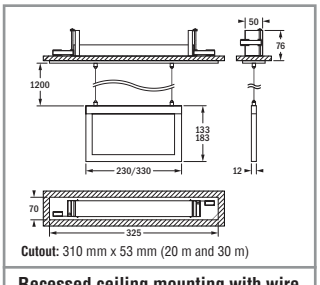
Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	II for recessed ceiling mounting with round cutout, I for all other mounting types
ains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V



Surface wall mounting

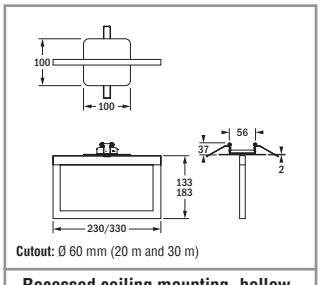


Surface ceiling mounting



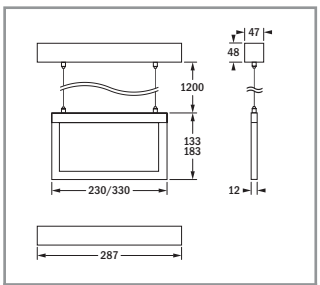
Cutout: 310 mm x 53 mm (20 m and 30 m)

Recessed ceiling mounting with wire pendulum, hollow, angular cutout

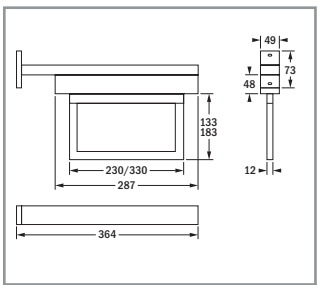


Cutout: Ø 60 mm (20 m and 30 m)

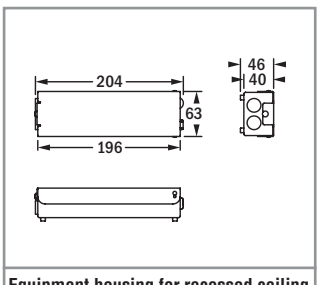
Recessed ceiling mounting, hollow, round cutout



Wire pendulum



Bracket



Equipment housing for recessed ceiling mounting, hollow, round cutout

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LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	t		S~
Surface wall mounting (1-sided escape route indication)							
37150	**37151**	**37152**	20 m	32	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
37153	**37154**	**37155**	30 m	48	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
Surface ceiling mounting (2-sided escape route indication)[1]							
37144	**37145**	**37146**	20 m	32	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
37147	**37148**	**37149**	30 m	48	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
Recessed ceiling mounting with wire pendulum, angular cutout (2-sided escape route indication)							
37138	**37139**	**37140**	20 m	32	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
37141	**37142**	**37143**	30 m	48	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
Recessed ceiling mounting, round cutout (2-sided escape route indication)							
37180	**37182**	**37243**	20 m	32	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
37181	**37242**	**37244**	30 m	48	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
Wire pendulum (2-sided escape route indication)[2]							
37132	**37133**	**37134**	20 m	32	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
37135	**37136**	**37137**	30 m	48	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA

Sicuro24 DECENTRAL SUPPLY

Sicuro24 Order code		LED	P=
Surface wall mounting (1-sided escape route indication)			
32081	20 m	32	2.9 W
32082	30 m	48	4.3 W
Surface ceiling mounting (2-sided escape route indication)[1]			
32079	20 m	32	2.9 W
32080	30 m	48	4.3 W
Recessed ceiling mounting with wire pendulum, angular cutout (2-sided escape route indication)			
32077	20 m	32	2.9 W
32078	30 m	48	4.3 W
Recessed ceiling mounting, round cutout (2-sided escape route indication)			
32113	20 m	32	2.9 W
32114	30 m	48	4.3 W
Wire pendulum (2-sided escape route indication)[2]			
32075	20 m	32	2.9 W
32076	30 m	48	4.3 W

Sicuro230 CENTRAL SUPPLY

Sicuro230 Order code		LED	S~	P=
Surface wall mounting (1-sided escape route indication)				
31110	20 m	32	7.4 VA / 3.5 W	
31111	30 m	48	9.4 VA / 4.7 W	
Surface ceiling mounting (2-sided escape route indication)[1]				
31108	20 m	32	7.4 VA / 3.5 W	
31109	30 m	48	9.4 VA / 4.7 W	
Recessed ceiling mounting with wire pendulum, angular cutout (2-sided escape route indication)				
31106	20 m	32	7.4 VA / 3.5 W	
31107	30 m	48	9.4 VA / 4.7 W	
Recessed ceiling mounting, round cutout (2-sided escape route indication)				
31138	20 m	32	7.4 VA / 3.5 W	
31139	30 m	48	9.4 VA / 4.7 W	
Wire pendulum (2-sided escape route indication)[2]				
31104	20 m	32	7.4 VA / 3.5 W	
31105	30 m	48	9.4 VA / 4.7 W	

[1] Please order additional required accessories for recessed ceiling mounting (in massive ceilings) and bracket separately.

[2] Please order additional required accessories for recessed ceiling mounting (in massive ceilings) separately.

Please order escape sign accessories separately

Order code		Description	
VD 20 m	VD 30 m		
16772	**16781**	Escape sign foil	
16773	**16782**	Escape sign foil	
16774	**16783**	Escape sign foil	
16775	**16784**	Escape sign foil	
16776	**16785**	Escape sign foil	EXIT
16777	**16786**	Escape sign foil	EXIT
16778	**16787**	Escape sign foil	EXIT

Included in scope of delivery

Order code		Description
VD 20 m	VD 30 m	
16770	**16779**	Kit of escape sign foils one-sided indication
16771	**16780**	Kit of escape sign foils double-sided indication

Please order accessories separately

Order code		Description
VD 20 m	VD 30 m	
F95944	**F95944**	Bracket
F95962	**F95963**	Recessed mounting set for massive ceilings (concrete-cast housing), for surface ceiling mounting and wire pendulum (only as surface ceiling mounting)

DISPOS EVO

Housing in angular design made of sheet steel or stainless sheet steel in universal versions. 1- or 2-sided escape route indication through exchangeable display panes.

Versions for surface wall and ceiling mounting and with additional accessories for recessed ceiling mounting, pendulum and bracket

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Sheet steel, white (RAL 9010) stainless sheet steel, V2A
Display pane:	PMMA, printed
Service life $L_{80}B_{20}$:	50.000 h

Color stability:	3 SDCM
Color temperature:	4.000 K
Color rendering index:	80
Optic interface:	LIFE, LIFE ECO

22 m | 30 m | IP40 | IK05 | V2A

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

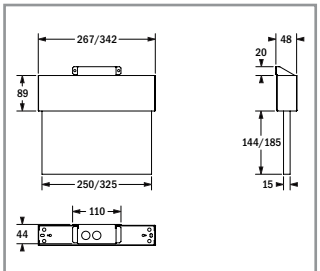
Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	LIFE: -10 °C to +45 °C LIFE ECO: 0 °C to +40 °C
Protection class:	I

DECENTRAL SUPPLY

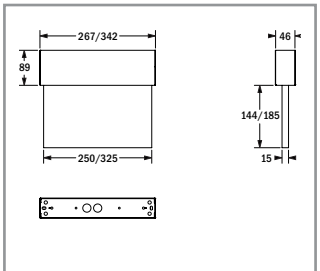
Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

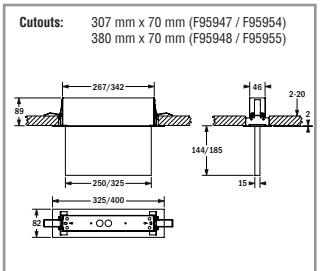
Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V



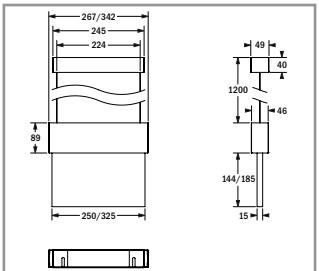
Surface wall mounting



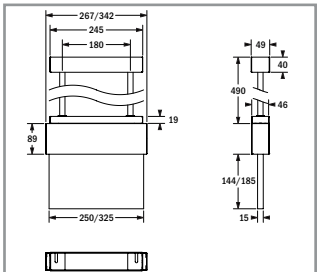
Surface ceiling mounting



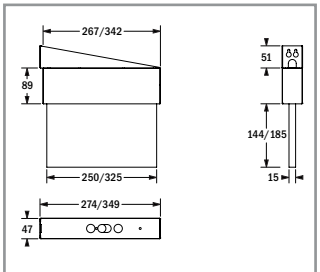
Recessed ceiling mounting, hollow



Wire pendulum



Tubular pendulum, round



Bracket

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	t		S~
Housing white Surface wall mounting (1-sided escape route indication), surface ceiling mounting (2-sided escape route indication)[1]							
37000	**37001**	**37002**	22 m	24	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
37006	**37007**	**37008**	30 m	48	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
Housing V2A Surface wall mounting (1-sided escape route indication), surface ceiling mounting (2-sided escape route indication)[1]							
37003	**37004**	**37005**	22 m	24	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
37009	**37010**	**37011**	30 m	48	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA

LIFE ECO SELF-CONTAINED SUPPLY

5 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	t		S~
Housing white Surface wall mounting (1-sided escape route indication), surface ceiling mounting (2-sided escape route indication)[1]							
36000	**36001**	**36002**	22 m	24	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
36006	**36007**	**36008**	30 m	48	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
Housing V2A Surface wall mounting (1-sided escape route indication), surface ceiling mounting (2-sided escape route indication)[1]							
36003	**36004**	**36005**	22 m	24	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
36009	**36010**	**36011**	30 m	48	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA

SICURO DECENTRAL SUPPLY

Sicuro24 Order code		LED	P=
Housing white Surface wall mounting (1-sided escape route indication), surface ceiling mounting (2-sided escape route indication)[1]			
32000	22 m	24	2.2 W
32002	30 m	48	4.3 W
Housing V2A Surface wall mounting (1-sided escape route indication), surface ceiling mounting (2-sided escape route indication)[1]			
32001	22 m	24	2.2 W
32003	30 m	48	4.3 W

SICURO CENTRAL SUPPLY

Sicuro230 Order code		LED	S~	P=
Housing white Surface wall mounting (1-sided escape route indication), surface ceiling mounting (2-sided escape route indication)[1]				
31000	22 m	24	5.8 VA / 2.5 W	
31002	30 m	48	9.4 VA / 4.7 W	
Housing V2A Surface wall mounting (1-sided escape route indication), surface ceiling mounting (2-sided escape route indication)[1]				
31001	22 m	24	5.8 VA / 2.5 W	
31003	30 m	48	9.4 VA / 4.7 W	

[1] Please order additional required accessories for recessed ceiling mounting, pendulum and bracket separately.

[2] One-sided escape sign display panes and safety sign panes: Backside untransparent (white).

Two-sided escape sign display panes: Frontside corresponds to designation of arrow direction. Backside transparent (mirrored escape route indication and company logo).

Please order escape sign accessories separately[2]

Order code VD 22 m	Order code VD 30 m	Description
E16260M	**E16128M**	Escape sign display pane, down (one-sided)
E16263M	**E16132M**	Escape sign display pane, up (one-sided)
E16261M	**E16129M**	Escape sign display pane, right (two-sided)
E16262M	**E16130M**	Escape sign display pane, left (two-sided)
E16310M	**E16318M**	Escape sign display pane, right down (two-sided)
E16311M	**E16319M**	Escape sign display pane, right up (two-sided)
E16312M	**E16320M**	Escape sign display pane, left down (two-sided)
E16313M	**E16321M**	Escape sign display pane, left up (two-sided)
–	**E16435**	F001 safety sign pane fire extinguisher (one-sided)
–	**E16436**	F002 safety sign pane extinguishing hose (one-sided)
–	**E16437**	F005 safety sign pane fire detector (one-sided)

Included in scope of delivery

Order code VD 22 m	Order code VD 30 m	Description
F95951	**F95951**	Holder for surface wall mounting, white
F95958	**F95958**	Holder for surface wall mounting, V2A

Please order accessories separately

Order code VD 22 m	Order code VD 30 m	Description
F95947	**F95948**	Recessed mounting set for hollow ceilings, white
F95954	**F95955**	Recessed mounting set for hollow ceilings, V2A
F95946	**F95946**	Wire pendulum, max. 1.200 mm, white
F95953	**F95953**	Wire pendulum, max. 1.200 mm, V2A
F95949	**F95950**	Bracket, white
F95956	**F95957**	Bracket, V2A
F95945	**F95945**	Tubular pendulum, round, 500 mm, white
F95952	**F95952**	Tubular pendulum, round, 500 mm, V2A
F95959	**F95960**	Recessed mounting set for massive ceilings (concrete-cast housing)

PIANA LED

Escape sign luminaire with angular housing, frame display and light guide panel. 1- or 2-sided escape route indication through exchangeable escape sign foils.

Versions for surface wall and ceiling mounting and wire pendulum and with additional accessories for recessed ceiling mounting

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	ABS, white (RAL 9003)	**Color stability:**	3 SDCM
Frame:	ABS, white (RAL 9003)	**Color temperature:**	5.700 K
Display pane:	PMMA (display pane) Polycarbonate (foil, printed)	**Color rendering index:**	80
Service life $L_{80}B_{50}$:	50.000 h	**Optic interface:**	LIFE

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

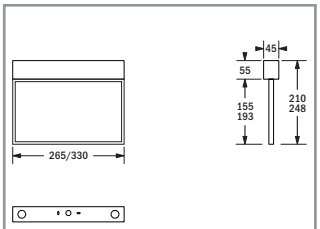
Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	II

DECENTRAL SUPPLY

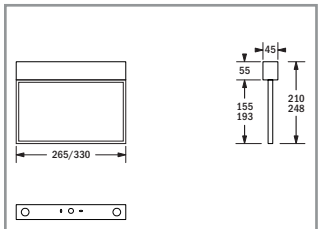
Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

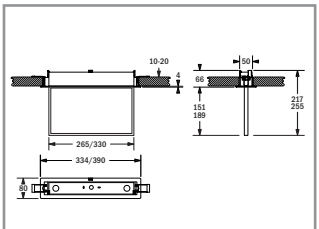
Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	II
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V



Surface wall mounting

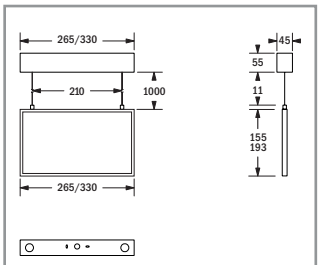


Surface ceiling mounting



Cutouts: 304 mm x 55 mm (F94002)
370 mm x 55 mm (F94001)

Recessed ceiling mounting, hollow



Wire pendulum

Rev.-No. S2024-03

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	t		S~
Surface wall mounting (1-sided escape route indication), surface ceiling mounting (2-sided escape route indication)[1]							
37168	**37169**	**37170**	24 m	28	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
37171	**37172**	**37173**	30 m	28	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
Wire pendulum (2-sided escape route indication)[1]							
37174	**37175**	**37176**	24 m	28	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
37177	**37178**	**37179**	30 m	28	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA

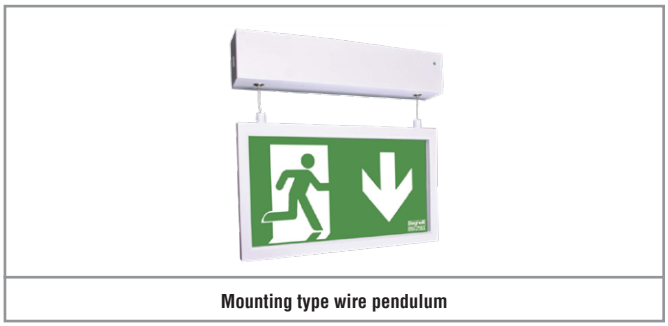
SICURO DECENTRAL SUPPLY

Sicuro24 Order code		LED	P=
Surface wall mounting (1-sided escape route indication), surface ceiling mounting (2-sided escape route indication)[1]			
32085	24 m	28	2.9 W
32086	30 m	28	2.9 W
Wire pendulum (2-sided escape route indication)[1]			
32087	24 m	28	2.9 W
32088	30 m	28	2.9 W

SICURO CENTRAL SUPPLY

Sicuro230 Order code		LED	S~ P=
Surface wall mounting (1-sided escape route indication), surface ceiling mounting (2-sided escape route indication)[1]			
31116	24 m	28	7.4 VA / 3.5 W
31117	30 m	28	7.4 VA / 3.5 W
Wire pendulum (2-sided escape route indication)[1]			
31118	24 m	28	7.4 VA / 3.5 W
31119	30 m	28	7.4 VA / 3.5 W

[1] Please order additional required accessories for recessed ceiling mounting separately.



Mounting type wire pendulum

Please order escape sign accessories separately

Order code		Description
VD 24 m	VD 30 m	
–	**E16030M**	Set of escape sign foils
E16029M	–	Set of escape sign foils
E16031M	–	Escape sign foil
–	**E16032M**	Escape sign foil

Incldued in scope of delivery

Order code		Description
VD 25 m	VD 30 m	
–	–	Set of escape sign foils

Please order accessories separately

Order code		Description
VD 24 m	VD 30 m	
F94002	**F94001**	Recessed mounting set for hollow ceilings

MAXIMA

High type of protection. Housing with convex light outlet and clear pane. Additional light outlet downwards for all versions. 1- or 2-sided escape route indication through self-adhesive escape sign foils.

Versions for surface wall and ceiling mounting and bracket and with additional accessories for pendulum and chain/wire

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Polycarbonate, grey (RAL 7035) Polyester, grey (RAL 7035)
Pane:	Polycarbonate, transparent
Foil:	PVC, printed
Service life $L_{80}B_{20}$:	50.000 h
Color stability:	3 SDCM
Color temperature:	4.000 K
Color rendering index:	70
Optic interface:	LIFE, LIFE ECO

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

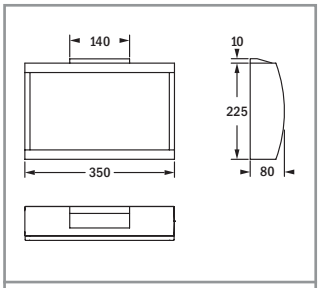
Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	LIFE: -10 °C to +45 °C LIFE ECO: 0 °C to +40 °C
Protection class:	II

DECENTRAL SUPPLY

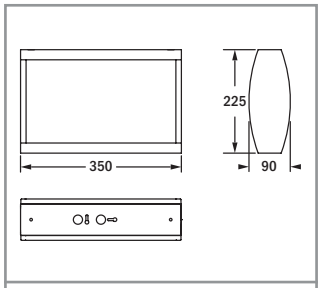
Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

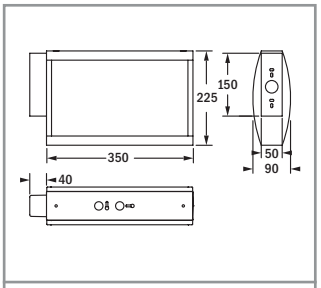
Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	II
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V



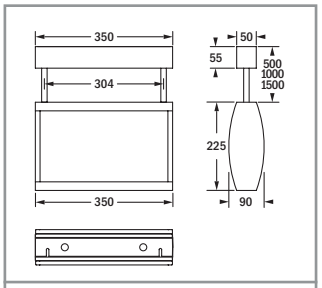
Surface wall mounting



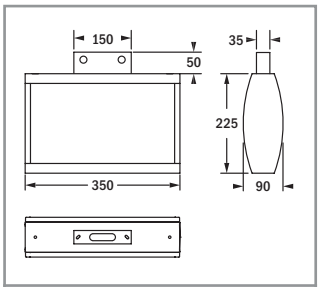
Surface ceiling mounting



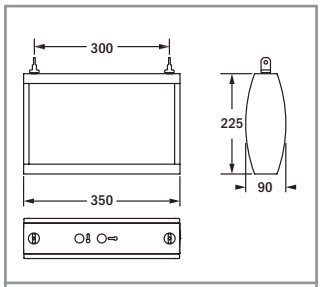
Bracket



Tubular pendulum, round



Short pendulum, ceiling



Lug set, chain/wire

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	t		S~
Surface wall mounting (1-sided escape route indication)							
37054	**37055**	**37056**	32 m	2	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
Surface ceiling mounting and bracket (2-sided escape route indication)[1]							
37057	**37058**	**37059**	32 m	2	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA

LIFE ECO SELF-CONTAINED SUPPLY

5 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	t		S~
Surface wall mounting (1-sided escape route indication)							
36054	**36055**	**36056**	32 m	2	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA
Surface ceiling mounting and bracket (2-sided escape route indication)[1]							
36057	**36058**	**36059**	32 m	2	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA

SICURO DECENTRAL SUPPLY

Sicuro24 Order code		LED	P=
Surface wall mounting (1-sided escape route indication)			
32018	32 m	2	2.9 W
Surface ceiling mounting and bracket (2-sided escape route indication)[1]			
32019	32 m	2	2.9 W

SICURO CENTRAL SUPPLY

Sicuro230 Order code		LED	S~	P=
Surface wall mounting (1-sided escape route indication)				
31018	32 m	2	7.4 VA / 3.5 W	
Surface ceiling mounting and bracket (2-sided escape route indication)[1]				
31019	32 m	2	7.4 VA / 3.5 W	

[1] Please order additional required accessories for pendulum and chain/wire separately.

Lug set chain / wire – 3723

Included in scope of delivery

Order code	Description
29001	Set of escape sign foils
F95506	Bracket

Please order escape sign accessories separately

Order code	Description
29002	Escape sign foil
16917M	Set of escape sign foils

Please order accessories separately

Order code	Description
F95700	Short pendulum for ceiling mounting, incl. pendulum mounting adaptor (on-finery cable laying possible)
F95510	Tubular pendulum, round, 500 mm
F95511	Tubular pendulum, round, 1.000 mm
F95512	Tubular pendulum, round, 1.500 mm
3723	Lug set for chain and wire mounting
F95032K	Protective basket (only for surface wall mounting)

QUADER

Housing made of sheet steel in square shape with cuboid, opal cover.
1-, 2- or 3-sided escape route indication through self-adhesive foils.

Versions for surface ceiling mounting and with additional accessories for pendulum and chain/wire

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Sheet steel, white (RAL 9003)	**Color stability:**	3 SDCM
Cover:	PMMA, opal	**Color temperature:**	4.000 K
Foil:	PVC, printed	**Color rendering index:**	70
Service life $L_{80}B_{20}$:	50.000 h	**Optic interface:**	LIFE

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

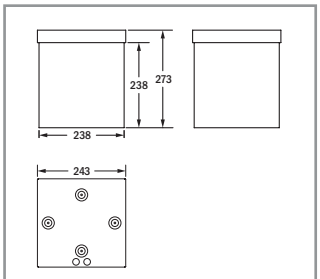
Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

DECENTRAL SUPPLY

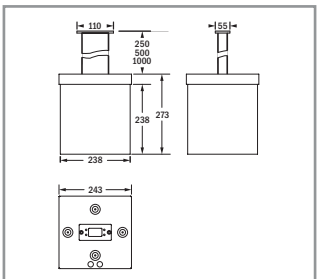
Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

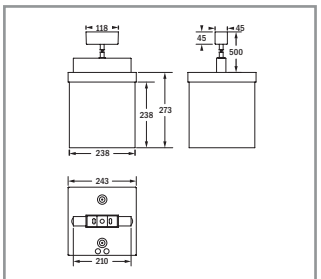
Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V



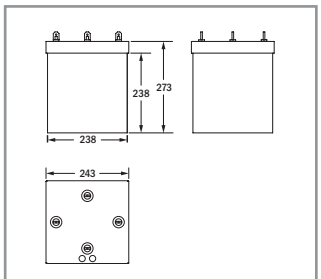
Surface ceiling mounting



Tubular pendulum, angular



Tubular pendulum, round



Lug set, chain/wire

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	t		S~
Surface ceiling mounting (3-sided escape route indication)[1]							
37072	**37073**	**37074**	44 m	2	1 h / 3 h / 8 h	LIFE 6.4 V / 1.5 Ah	8 VA

SICURO DECENTRAL SUPPLY

Sicuro24 Order code		LED	P=
Surface ceiling mounting (3-sided escape route indication)[1]			
32024	22 m / 44 m	2	4.3 W

SICURO CENTRAL SUPPLY

Sicuro230 Order code		LED	S~	P=
Surface ceiling mounting (3-sided escape route indication)[1]				
31024	22 m / 44 m	2	9.4 VA / 4.7 W	

[1] Please order additional required accessories for pendulum and chain/wire separately. The pendulum mounting adaptor is required for all types of pendulums.

Lug set chain / wire – F95406

Please order escape sign accessories separately

Order code		Description	
VD 22 m	**VD 44 m**		
F15330M	**F15325M**	Escape sign foil	
F15331M	**F15326M**	Escape sign foil	
F15332M	**F15327M**	Escape sign foil	
F15329M	**F15328M**	Escape sign foil	

Please order accessories separately

Order code	Description
F95210	Pendulum mounting adaptor
F95600	Tubular pendulum, angular, 250 mm
F95601	Tubular pendulum, angular, 500 mm
F95602	Tubular pendulum, angular, 1.000 mm
F95400	Tubular pendulum, round, 500 mm
F95406	Lug set for chain and wire mounting

IRON FLAG

Escape sign luminaire in angular design with housing made of unpainted aluminium and universal display pane made of polycarbonate. Easy to install. 1- or 2-sided escape route indication through exchangeable escape sign foils. Laser module Orma for additional escape route indication (only in emergency operation) through projection of an arrow symbol on the floor for version LIFE available as accessory.

Versions for surface wall and ceiling mounting, bracket and wire pendulum and with additional accessories for recessed ceiling mounting

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Aluminium, anodized, grey	**Color stability:**	3 SDCM
Display pane:	Polycarbonate (display pane) Polycarbonate (foil, printed)	**Color temperature:**	4.000 K
		Color rendering index:	80
Service life $L_{80}B_{20}$:	50.000 h	**Optic interface:**	LIFE

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

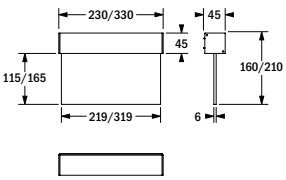
Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

DECENTRAL SUPPLY

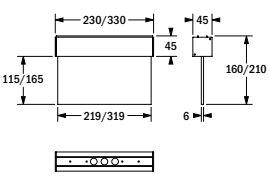
Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

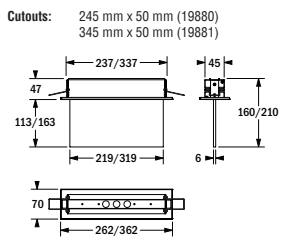
Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V



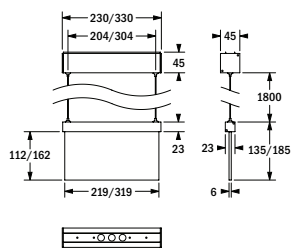
Surface wall mounting



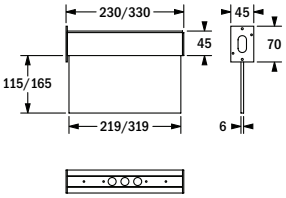
Surface ceiling mounting



Recessed ceiling mounting, hollow



Wire pendulum



Bracket

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	t		S~
Surface wall mounting (1-sided escape route indication), surface ceiling mounting or bracket (2-sided escape route indication)[1]							
19810	**19810+15036[2]**	**19810+15049[2]**	20 m	24	1 h / 3 h / 8 h	LIFE 6.4 V / 0.6 Ah	8 VA
19811	**19811+15036[2]**	**19811+15049[2]**	30 m	36	1 h / 3 h / 8 h	2x LIFE 6.4 V / 0.6 Ah	8 VA
Wire pendulum (2-sided escape route indication)							
19812	**19812+15036[2]**	**19812+15049[2]**	20 m	24	1 h / 3 h / 8 h	LIFE 6.4 V / 0.6 Ah	8 VA
19813	**19813+15036[2]**	**19813+15049[2]**	30 m	36	1 h / 3 h / 8 h	2x LIFE 6.4 V / 0.6 Ah	8 VA

SICURO DECENTRAL SUPPLY

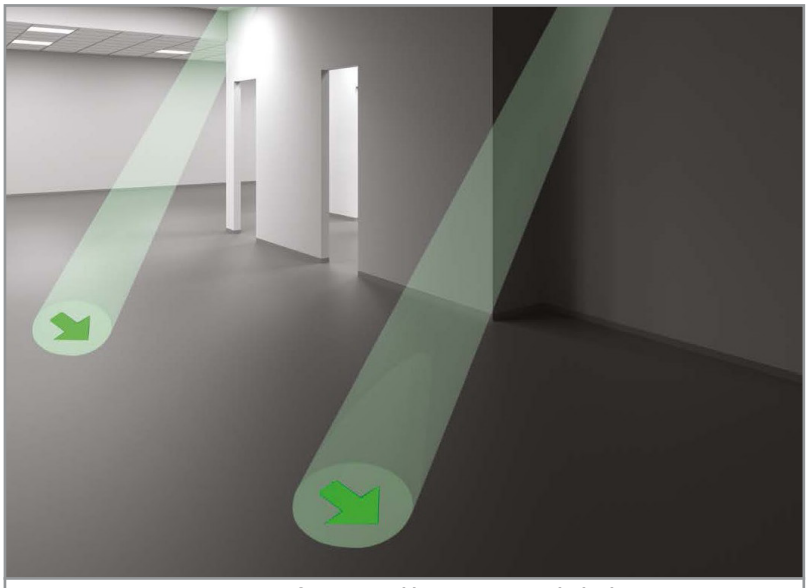
Sicuro24 Order code		LED	P=
Surface wall mounting (1-sided escape route indication), surface ceiling mounting or bracket (2-sided escape route indication)[1]			
17894	20 m	24	2.5 W
17895	30 m	36	3.7 W
Wire pendulum (2-sided escape route indication)			
17896	20 m	24	2.5 W
17897	30 m	36	3.7 W

SICURO CENTRAL SUPPLY

Sicuro230 Order code		LED	S~	P=
Surface wall mounting (1-sided escape route indication), surface ceiling mounting or bracket (2-sided escape route indication)[1]				
17890	20 m	24	6.1 VA / 2.6 W	
17891	30 m	36	8.3 VA / 4.1 W	
Wire pendulum (2-sided escape route indication)				
17892	20 m	24	6.1 VA / 2.6 W	
17893	30 m	36	8.3 VA / 4.1 W	

[1] Please order additional required accessories for recessed ceiling mounting separately.

[2] Please order Logica interface (15036) and Logica FM interface (15049) separately.



Laser module „Orma“ as additional escape route indication

Incldued in scope of delivery

Order code		Description
VD 20 m	VD 30 m	
–	–	Set of escape sign foils

Please order accessories separately

Order code		Description
VD 20 m	VD 30 m	
15036	**15036**	Logica interface for LIFE
15049	**15049**	Logica FM interface for LIFE (IP65, luminaire attachment)
15038	**15038**	DALI interface for LIFE (for connection to DALI central of the general and safety lighting)
19880	**19881**	Recessed mounting set for hollow ceilings (only for surface ceiling mounting)
19885	**19886**	Recessed mounting set for hollow ceilings (only for wire pendulum)
19884	**19884**	Laser module Orma for LIFE

IRON FLAG 65

Escape sign luminaire with high type of protection in angular design. Very robust housing made of unpainted aluminium and universal display pane made of polycarbonate. Easy to install. 1- or 2-sided escape route indication through exchangeable escape sign foils. Generous connection chamber for the internal wiring.

Versions for surface wall and ceiling mounting and bracket

MOUNTING TYPES

TECHNICAL DATA

Housing:	Aluminium, anodized, grey	**Color stability:**	3 SDCM
Display pane:	Polycarbonate (display pane) Polycarbonate (foil, printed)	**Color temperature:**	4.000 K
		Color rendering index:	80
Service life $L_{80}B_{20}$:	50.000 h	**Optic interface:**	LIFE

30 m | IP65 | IK05

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

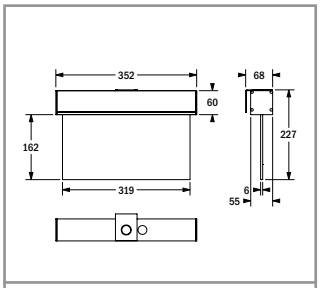
Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

DECENTRAL SUPPLY

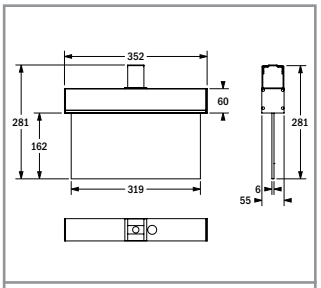
Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

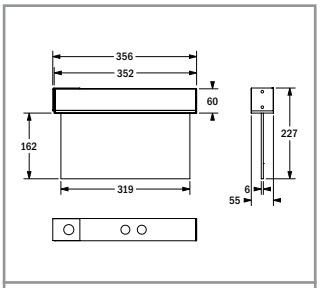
Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V



Surface wall mounting



Surface ceiling mounting



Bracket

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	t		S~
Surface wall mounting (1-sided escape route indication), surface ceiling mounting or bracket (2-sided escape route indication)							
4384	**4384+15036**[1]	**4384+15049**[1]	30 m	36	1 h / 3 h / 8 h	2x LIFE 6.4 V / 0.6 Ah	8 VA

Sicuro24 DECENTRAL SUPPLY

Sicuro24 Order code		LED	P=
Surface wall mounting (1-sided escape route indication), surface ceiling mounting or bracket (2-sided escape route indication)			
17925	30 m	36	3.7 W

Sicuro230 CENTRAL SUPPLY

Sicuro230 Order code		LED	S~	P=
Surface wall mounting (1-sided escape route indication), surface ceiling mounting or bracket (2-sided escape route indication) **with luminaire monitoring (EÜ)**				
17924	30 m	36	8,3 VA / 4,1 W	
Surface wall mounting (1-sided escape route indication), surface ceiling mounting or bracket (2-sided escape route indication) **with circuit monitoring (SÜ)**				
17926	30 m	36	9,5 VA / 4,7 W	

[1] Please order Logica interface (15036) and Logica FM interface (15049) separately.

Included in scope of delivery

Order code	Description
–	Set of escape sign foils

Please order accessories separately

Order code	Description
15036	Logica interface for LIFE
15049	Logica FM interface for LIFE (IP65, luminaire attachment)
15038	DALI interface for LIFE (for connection to DALI central of the general and safety lighting)

PLURALUCE

Housing in flat design made of sheet steel and cover made of polycarbonate. High-power LED with light guidance through special lenses for asymmetrical shining light distribution (illumination of escape routes with 1 lx), symmetrical shining light distribution (illumination of areas with 0.5 lx) and 1-sided asymmetrical shining light distribution (illumination of safety devices with 5 lx). Square covers for recessed ceiling mounting separately orderable as accessories.
Versions for surface wall and ceiling mounting, recessed wall (only S24 with device socket) and ceiling mounting and with additional accessories for bracket and chain/wire (only surface ceiling mounting), version S24 with device socket also for recessed mounting on fire protection walls / fire protection ceilings, covers deliverable in other colors on request

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Sheet steel, white (RAL 90103)	**Service life $L_{80}B_{20}$:**	50.000 h
Cover:	Polycarbonate, white (RAL 9010)	**Color stability:**	3 SDCM
Lens:	PMMA, transparent	**Color temperature:**	4.000 K
Type of protection:	IP41 (surface ceiling mounting) IP42 (recessed ceiling mounting, cover) IP20 (recessed ceiling mounting, backside & equipment housing)	**Color rendering index:**	70
		Optic interface:	LIFE, LIFE ECO

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V / 50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	LIFE: -10 °C to +45 °C LIFE ECO: 0 °C to +40 °C
Protection class:	I

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

Mains supply:	198 V – 254 V / 50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

Variant	Φ~ Area 3.5 m	Φ~ Area 7 m	Φ~ Escape route
LIFE / LIFE ECO	271 lm	271 lm	248 lm
Sicuro24 / Sicuro230	361 lm	361 lm	330 lm

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code	LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall and ceiling mounting, square cover, for area illumination with 2 changeable lenses[1]								
37075	**37077**	**37079**	1	361 / 361 lm (3.5 m / 7 m)	207 / 207 lm (3.5 m / 7 m)	72 / 72 lm (3.5 m / 7 m)	LIFE 6.4 V / 1.5 Ah	8 VA
Surface wall and ceiling mounting, square cover, for escape route illumination[1]								
37076	**37078**	**37080**	1	330 lm	190 lm	66 lm	LIFE 6.4 V / 1.5 Ah	8 VA
Recessed ceiling mounting, round cover, for area illumination with 2 changeable lenses								
37081	**37083**	**37085**	1	361 / 361 lm (3.5 m / 7 m)	207 / 207 lm (3.5 m / 7 m)	72 / 72 lm (3.5 m / 7 m)	LIFE 6.4 V / 1.5 Ah	8 VA
Recessed ceiling mounting, round cover, for escape route illumination								
37082	**37084**	**37086**	1	330 lm	190 lm	66 lm	LIFE 6.4 V / 1.5 Ah	8 VA

LIFE ECO SELF-CONTAINED SUPPLY

5 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code	LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall and ceiling mounting, square cover, for area illumination with 2 changeable lenses[1]								
16732	**16734**	**16736**	1	361 / 361 lm (3.5 m / 7 m)	207 / 207 lm (3.5 m / 7 m)	72 / 72 lm (3.5 m / 7 m)	LIFE 6.4 V / 1.5 Ah	8 VA
Surface wall and ceiling mounting, square cover, for escape route illumination[1]								
16733	**16735**	**16737**	1	330 lm	190 lm	66 lm	LIFE 6.4 V / 1.5 Ah	8 VA
Recessed ceiling mounting, round cover, for area illumination with 2 changeable lenses								
16748	**16750**	**16752**	1	361 / 361 lm (3.5 m / 7 m)	207 / 207 lm (3.5 m / 7 m)	72 / 72 lm (3.5 m / 7 m)	LIFE 6.4 V / 1.5 Ah	8 VA
Recessed ceiling mounting, round cover, for escape route illumination								
16749	**16751**	**16753**	1	330 lm	190 lm	66 lm	LIFE 6.4 V / 1.5 Ah	8 VA

SICURO 24 DECENTRAL SUPPLY

Sicuro24 Order code	LED	Φ=	P=
Surface wall and ceiling mounting, square cover, for area illumination with 2 changeable lenses[1]			
32036	1	361 / 361 lm (3.5 m / 7 m)	3.8 W
Surface wall and ceiling mounting, square cover, for escape route illumination[1]			
32037	1	330 lm	3.8 W
Recessed ceiling mounting without device socket, round cover, for area illumination with 2 changeable lenses			
32038	1	361 / 361 lm (3.5 m / 7 m)	3.8 W
Recessed wall and ceiling mounting with device socket, round cover, for area illumination with 2 changeable lenses[2 3]			
32040	1	361 / 361 lm (3.5 m / 7 m)	3.8 W
Recessed ceiling mounting without device socket, round cover, for escape route illumination			
32039	1	330 lm	3.8 W
Recessed wall and ceiling mounting with device socket, round cover, for escape route illumination[2 3]			
32041	1	330 lm	3.8 W

SICURO 230 CENTRAL SUPPLY

Sicuro230 Order code	LED	Φ=	S~	P=
Surface wall and ceiling mounting, square cover, for area illumination with 2 changeable lenses[1]				
31036	1	361 / 361 lm (3.5 m / 7 m)	8.3 VA / 4.1 W	
Surface wall and ceiling mounting, square cover, for escape route illumination[1]				
31037	1	330 lm	8.3 VA / 4.1 W	
Recessed ceiling mounting, round cover, for area illumination with 2 changeable lenses				
31038	1	361 / 361 lm (3.5 m / 7 m)	8.3 VA / 4.1 W	
Recessed ceiling mounting, round cover, for esacpe route illumination				
31039	1	330 lm	8.3 VA / 4.1 W	

[1] Please order additional required accessories for bracket and chain/wire separately.

[2] The required single device sockets, f. i. manufacturer KAISER, for recessed wall and ceiling mounting with device socket on walls / ceilings are not included in the scope of delivery. Please provide on site.

Single device socket, for massive wall, depth 46 mm, installation opening 60 mm, color(s) black
Manufacturer: KAISER
Manufacturer order code: 1056-04

Single device socket, for massive wall, depth 66 mm, installation opening 60 mm, color(s) black
Manufacturer: KAISER
Manufacturer order code: 1556-04

Single device socket, for massive ceiling (concrete), depth 41 mm, installation opening 60 mm, color(s) green/yellow
Manufacturer: KAISER
Manufacturer order code: 1255-43

Single device socket, for hollow wall and hollow ceiling, depth 49 mm, mill hole 68 mm, color(s) orange
Manufacturer: KAISER
Manufacturer order code: 9063-02

Single device socket, for hollow wall and hollow ceiling, depth 62 mm, mill hole 68 mm, color(s) orange
Manufacturer: KAISER
Manufacturer order code: 9064-02

[3] The required single device sockets with building inspectorate approval of the DIBt, f. i. manufacturer KAISER, for recessed wall and ceiling mounting with device socket on fire protection walls / fire protection ceilings are not included in the scope of delivery. Please provide on site.

Single device socket, EI30-EI120, for massive wall, depth 60 mm, installation opening 60 mm, color(s) black/white
Manufacturer: KAISER
Manufacturer order code: 1564-01

Single device socket, EI30-EI120 and F30-B/F60-B, for hollow wall, depth 44 mm, mill hole 74 mm, color(s) black/white
Manufacturer: KAISER
Manufacturer order code: 9463-01

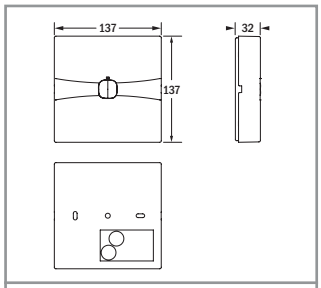
Single device socket, EI30-EI120 and F30-B/F60-B, for hollow wall, depth 54.5 mm, mill hole 74 mm, color(s) black/white
Manufacturer: KAISER
Manufacturer order code: 9464-01

Single device socket, EI30-EI90, for hollow wall, depth 62 mm, mill hole 68 mm, color(s) black/red
Manufacturer: KAISER
Manufacturer order code: 9464-02

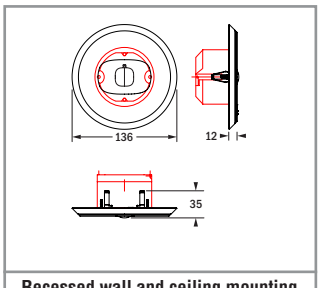
Single device socket, F30-F90, for hollow ceiling, depth 44 mm, mill hole 74 mm, color(s) black
Manufacturer: KAISER
Manufacturer order code: 9463-50

Single device socket, EI30-EI90, for hollow wall, depth 49 mm, mill hole 68 mm, color(s) black/red
Manufacturer: KAISER
Manufacturer order code: 9463-02

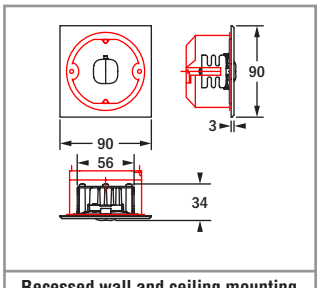
Single device socket, F30-F90, for hollow ceiling, depth 54.5 mm, mill hole 74 mm, color(s) black
Manufacturer: KAISER
Manufacturer order code: 9464-50



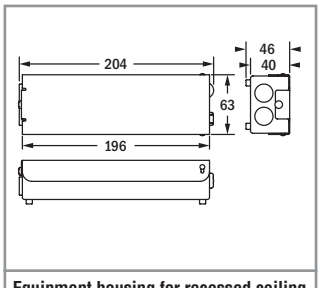
Surface wall and ceiling mounting



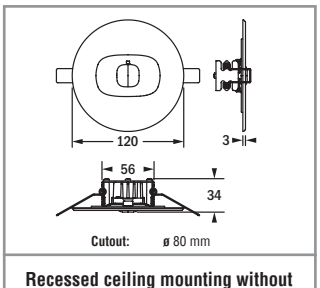
Recessed wall and ceiling mounting with device socket, round cover (S24)



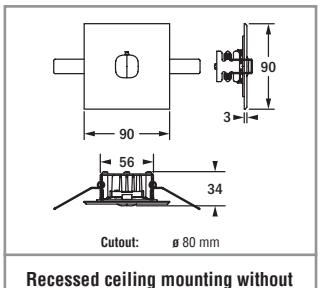
Recessed wall and ceiling mounting with device socket, angular cover (S24)



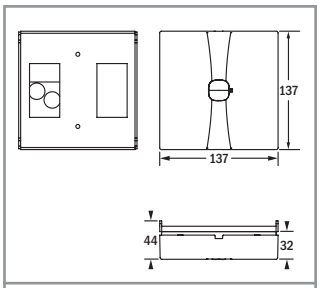
Equipment housing for recessed ceiling mounting without device socket, hollow



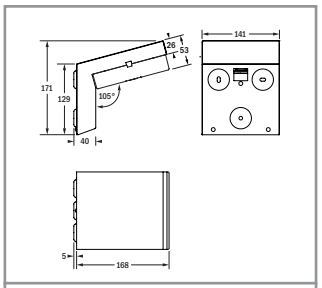
Recessed ceiling mounting without device socket, hollow, round cover



Recessed ceiling mounting without device socket, hollow, angular cover



Lug set, chain/wire



Bracket

Square cover, sheet steel, white (RAL 9010)

Recessed ceiling mounting with device socket, round cover (S24)

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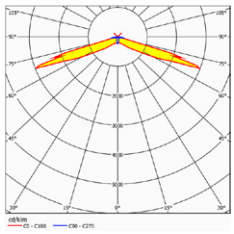
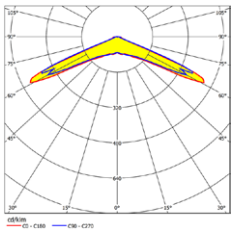
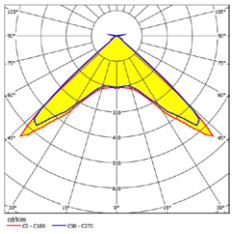


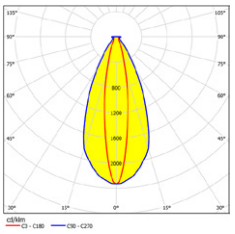
Asymmetric wide-beam



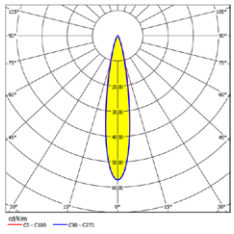
Symmetric wide-beam 3.5 m



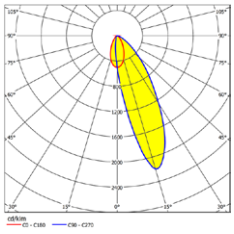
Symmetric wide-beam 7 m



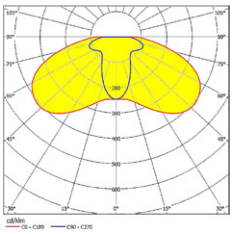
Accessory: lens – F95807



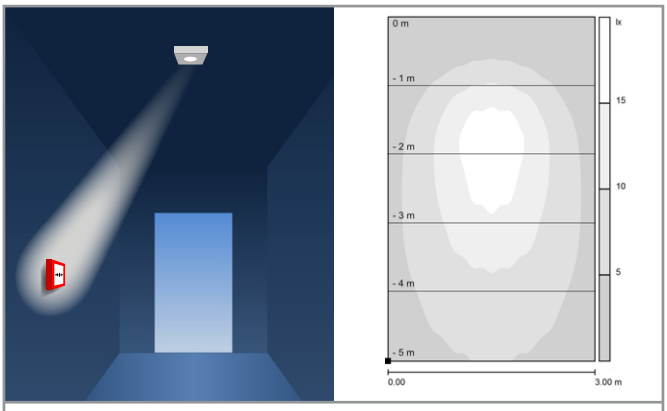
Accessory: lens – F95808



Accessory: lens – F95815



Accessory: lens – 19346N



Illumination of safety devices

Included in scope of delivery

Order code	Description
–	Symmetrical wide-beam lens for mounting height 3.5 m (only for area illumination)
–	Symmetrical wide-beam lens for mounting height 7 m (only for area illumination)
–	Asymmetrical wide-beam lens (only for escape route illumination)

Please order accessories separately

Order code	Description
F95966	Lug set for chain and wire mounting (only for surface ceiling mounting)
F95930	Protective basket (only for recessed ceiling mounting)
F95931	Protective basket (only for surface wall mounting, surface ceiling mounting)
F95816	Bracket (only for surface wall mounting)
F95807	Asymmetrical deep-beam lens for mounting heights > 7.5 m (only for surface ceiling mounting, recessed ceiling mounting, bracket, chain/wire, area illumination)
F95808	Symmetrical deep-beam lens for mounting heights > 7.5 m (only for surface ceiling mounting, recessed ceiling mounting, bracket, chain/wire, area illumination)
F95815	Asymmetrical shining lens for illumination of safety devices with 5 lx (only for surface ceiling mounting, recessed ceiling mounting, chain/wire, area illumination)
19346N	Diffusor lens for glare reduction (only for surface wall mounting, recessed wall mounting in device socket for S24, area illumination)
F95812	Square cover, sheet steel, white, RAL 9010 (only for recessed ceiling mountig, escape route illumination, LIFE, LIFE ECO, S24 without device socket, S230)
F95811	Square cover, sheet steel, white, RAL 9010 (only for recessed ceiling mountig, area illumination, LIFE, LIFE ECO, S24 without device socket, S230)
F95814	Square cover, sheet steel, white, RAL 9010 (only for recessed wall mountig, recessed ceiling mounting, escape route illumination, S24 with device socket)
F95813	Square cover, sheet steel, white, RAL 9010 (only for recessed wall mountig, recessed ceiling mounting, area illumination, S24 with device socket)
F95804	Round cover, stainless sheet steel, V2A (only for recessed ceiling mounting, escape route illumination, LIFE, LIFE ECO, S24 without device socket, S230)
F95803	Round cover, stainless sheet steel, V2A (only for recessed ceiling mounting, area illumination, LIFE, LIFE ECO, S24 without device socket, S230)

LUMAX

Combined general and safety luminaire. Round luminaire with housing made of sheet steel with domed diffuser made of opal plastic. Homogeneous light emission. Special LED board with a large and a small LED circuit for different functions regarding the general and safety lighting.

Special versions with integrated motion detector available.

Versions for surface wall and ceiling mounting

Also deliverable as luminaire for general lighting

MOUNTING TYPES

TECHNICAL DATA

Housing:	Sheet steel, white (RAL 9003)	**Color temperature:**	3.000 K or 4.000 K
Diffusor:	PMMA, opal	**Color rendering index:**	80
Service life $L_{80}B_{20}$:	50.000 h	**Optic interface:**	LIFE
Color stability:	3 SDCM		

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained or non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

DECENTRAL SUPPLY

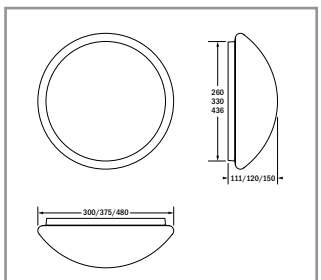
Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III with connection only to low voltage, I with additional connection to voltages above low voltage

CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz[8]
Battery supply (alt.):	90 V – 276 V[8]

[8] For order codes
31059, 31063, 31067, 31071, 31075, 31079

Variant	T_C	Φ~
LIFE / Sicuro24 / Sicuro230 – with diffusor: Ø 300 mm	3.000 K	1.700 lm
	4.000 K	1.700 lm
LIFE / Sicuro24 / Sicuro230 – with diffusor: Ø 375 mm	3.000 K	2.450 lm
	4.000 K	2.450 lm
LIFE / Sicuro24 / Sicuro230 – with diffusor: Ø 480 mm	3.000 K	3.650 lm
	4.000 K	3.650 lm



Surface wall and ceiling mounting

Rev.-No. S2024-02

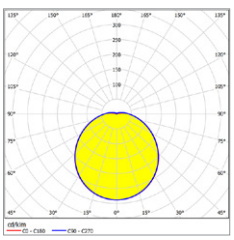
LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

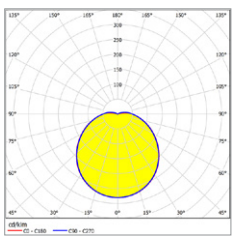
Autotest / CableCom Order code	Logica Order code	Logica FM Order code	Version	LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall mounting, surface ceiling mounting[1]									
37105 (Ø 300 mm)	**37106** (Ø 300 mm)	**37107** (Ø 300 mm)	3K	68	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37111 (Ø 375 mm)	**37112** (Ø 375 mm)	**37113** (Ø 375 mm)	3K	88	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37117 (Ø 480 mm)	**37118** (Ø 480 mm)	**37119** (Ø 480 mm)	3K	88	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37102 (Ø 300 mm)	**37103** (Ø 300 mm)	**37104** (Ø 300mm)	4K	68	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37108 (Ø 375 mm)	**37109** (Ø 375 mm)	**37110** (Ø 375 mm)	4K	88	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37114 (Ø 480 mm)	**37115** (Ø 480 mm)	**37116** (Ø 480 mm)	4K	88	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA
Surface wall mounting, surface ceiling mounting[1], **with motion detector**[2]									
37253 (Ø 300 mm)	**37254** (Ø 300 mm)	**37255** (Ø 300 mm)	3K	68	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37259 (Ø 375 mm)	**37260** (Ø 375 mm)	**37261** (Ø 375 mm)	3K	88	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37265 (Ø 480 mm)	**37266** (Ø 480 mm)	**37267** (Ø 480 mm)	3K	88	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37250 (Ø 300 mm)	**37251** (Ø 300 mm)	**37252** (Ø 300 mm)	4K	68	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37256 (Ø 375 mm)	**37257** (Ø 375 mm)	**37258** (Ø 375 mm)	4K	88	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37262 (Ø 480 mm)	**37263** (Ø 480 mm)	**37264** (Ø 480 mm)	4K	88	315 lm	158 lm	63 lm	LIFE 6.4 V / 1.5 Ah	8 VA

SICURO 24 DECENTRAL SUPPLY

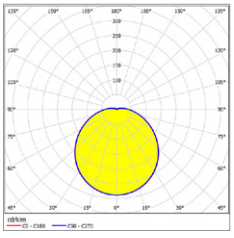
Sicuro24 Order code	Version	LED	Φ=	P=
Surface wall mounting, surface ceiling mounting[3]				
32060 (Ø 300 mm)	3K	68	315 lm	4.3 W
32062 (Ø 375 mm)	3K	88	315 lm	4.3 W
32064 (Ø 480 mm)	3K	88	315 lm	4.3 W
32059 (Ø 300 mm)	4K	68	315 lm	4.3 W
32061 (Ø 375 mm)	4K	88	315 lm	4.3 W
32063 (Ø 480 mm)	4K	88	315 lm	4.3 W



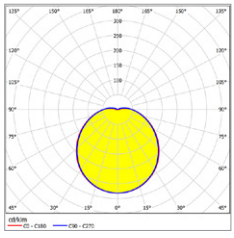
Small LED circuit, Ø 300 mm



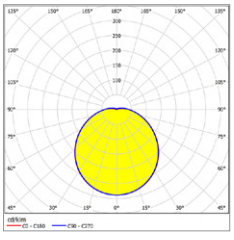
Large LED circuit, Ø 300 mm



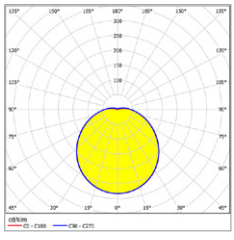
Small LED circuit, Ø 375 mm



Large LED circuit, Ø 375 mm



Small LED circuit, Ø 480 mm



Large LED circuit, Ø 480 mm

SICURO 230 CENTRAL SUPPLY

Sicuro230 Order code	Version	LED	Φ=	S~	P=
Surface wall mounting, surface ceiling mounting **with luminaire monitoring (EÜ)** and reduced power in battery operation[4]					
31063 (Ø 300 mm)	3K	68	315 lm	20 VA / 4.7 W	
31071 (Ø 375 mm)	3K	88	315 lm	26 VA / 4.7 W	
31079 (Ø 480 mm)	3K	88	315 lm	37.5 VA / 4.7 W	
31059 (Ø 300 mm)	4K	68	315 lm	20 VA / 4.7 W	
31067 (Ø 375 mm)	4K	88	315 lm	26 VA / 4.7 W	
31075 (Ø 480 mm)	4K	88	315 lm	37.5 VA / 4.7 W	
Surface wall mounting, surface ceiling mounting **with luminaire monitoring (EÜ)**, without reduced power in battery operation[5]					
31062 (Ø 300 mm)	3K	68	1.700 lm	20 VA / 18.5 W	
31070 (Ø 375 mm)	3K	88	2.450 lm	26 VA / 24.5 W	
31078 (Ø 480 mm)	3K	88	3.650 lm	39 VA / 37.5 W	
31058 (Ø 300 mm)	4K	68	1.700 lm	20 VA / 18.5 W	
31066 (Ø 375 mm)	4K	88	2.450 lm	26 VA / 24.5 W	
31074 (Ø 480 mm)	4K	88	3.650 lm	39 VA / 37.5 W	
Surface wall mounting, surface ceiling mounting **with circuit monitoring (SÜ)** and reduced power in battery operation[6]					
31065 (Ø 300 mm)	3K	68	315 lm	20 VA / 5.4 W	
31073 (Ø 375 mm)	3K	88	315 lm	26 VA / 5.4 W	
31081 (Ø 480 mm)	3K	88	315 lm	39 VA / 5.4 W	
31061 (Ø 300 mm)	4K	68	315 lm	20 VA / 5.4 W	
31069 (Ø 375 mm)	4K	88	315 lm	26 VA / 5.4 W	
31077 (Ø 480 mm)	4K	88	315 lm	39 VA / 5.4 W	
Surface wall mounting, surface ceiling mounting **with circuit monitoring (SÜ)**, without reduced power in battery operation[7]					
31064 (Ø 300 mm)	3K	68	1.700 lm	18.5 VA / 17 W	
31072 (Ø 375 mm)	3K	88	2.450 lm	24.5 VA / 23 W	
31080 (Ø 480 mm)	3K	88	3.650 lm	37.5 VA / 36 W	
31060 (Ø 300 mm)	4K	68	1.700 lm	18.5 VA / 17 W	
31068 (Ø 375 mm)	4K	88	2.450 lm	24.5 VA / 23 W	
31076 (Ø 480 mm)	4K	88	3.650 lm	37.5 VA / 36 W	

[1] Small LED circuit: with LIFE driver module for safety lighting.
Large LED circuit: LED driver for general lighting.

[2] The motion detector requires either a separate supply cable or additional supply wires from the general lighting (if present) with continuous voltage (230 V / 50 Hz).

[3] Small LED circuit: with S24 driver module G31445 for safety lighting.
Large LED circuit: LED driver for general lighting.

[4] Small LED circuit: with S230 driver module 17380 for safety lighting.
Large LED circuit: LED driver for general lighting.

[5] Small LED circuit: not used.
Large LED circuit: with S230 module 17382 and LED driver for safety lighting.

[6] Small LED circuit: LED driver for safety lighting.
Large LED circuit: LED driver for general lighting.

[7] Small LED circuit: not used.
Large LED circuit: LED driver for general or safety lighting.

LUMAX65

Combined general and safety luminaire with high type of protection.
Round luminaire with housing as surrounding frame made of plastic with domed diffuser made of opal plastic. Homogeneous light emission. Special LED board with a large and a small LED circuit for different functions regarding the general and safety lighting. Special versions with integrated motion detector available.

Versions for surface wall and ceiling mounting

Also deliverable as luminaire for general lighting

MOUNTING TYPES

TECHNICAL DATA

Housing:	Polycarbonate, black (RAL 9005) Polycarbonate, grey (RAL 7024)	**Color temperature:**	3.000 K or 4.000 K
Diffusor:	PMMA, opal	**Color rendering index:**	80
Service life $L_{80}B_{20}$:	50.000 h	**Optic interface:**	LIFE
Color stability:	3 SDCM		

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained or non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

DECENTRAL SUPPLY

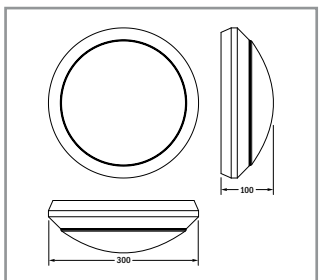
Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III with connection only to low voltage, I with additional connection to voltages above low voltage

CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz[8]
Battery supply (alt.):	90 V – 276 V[8]

[8] For order codes
31083, 31087, 31091, 31095, 31201, 31205, 31209, 31213

Variant	T_C	Φ~
LIFE / Sicuro24 / Sicuro230	3.000 K	1.850 lm
	4.000 K	1.850 lm



Surface wall and ceiling mounting

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code	Version	Housing	LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall mounting, surface ceiling mounting[1]										
37123	**37124**	**37125**	3K	black	68	340 lm	170 lm	68 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37120	**37121**	**37122**	4K	black	68	340 lm	170 lm	68 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37129	**37130**	**37131**	3K	grey	68	340 lm	170 lm	68 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37126	**37127**	**37128**	4K	grey	68	340 lm	170 lm	68 lm	LIFE 6.4 V / 1.5 Ah	8 VA
Surface wall mounting, surface ceiling mounting[1] **with motion detector**[2]										
37233	**37234**	**37235**	3K	black	68	340 lm	170 lm	68 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37230	**37231**	**37232**	4K	black	68	340 lm	170 lm	68 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37239	**37240**	**37241**	3K	grey	68	340 lm	170 lm	68 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37236	**37237**	**37238**	4K	grey	68	340 lm	170 lm	68 lm	LIFE 6.4 V / 1.5 Ah	8 VA

SICURO 24 DECENTRAL SUPPLY

Sicuro24 Order code	Version	Housing	LED	Φ=	P=
Surface wall mounting, surface ceiling mounting[3]					
32066	3K	black	68	340 lm	4.3 W
32065	4K	black	68	340 lm	4.3 W
32068	3K	grey	68	340 lm	4.3 W
32067	4K	grey	68	340 lm	4.3 W
Surface wall mounting, surface ceiling mounting[3] **with motion detector**[2]					
32121	3K	black	68	340 lm	4.3 W
32120	4K	black	68	340 lm	4.3 W
32123	3K	grey	68	340 lm	4.3 W
32122	4K	grey	68	340 lm	4.3 W

[1] Small LED circuit: with LIFE driver module for safety lighting.
Large LED circuit: LED driver for general lighting.

[2] The motion detector requires either a separate supply cable or additional supply wires from the general lighting (if present) with continuous voltage (230 V / 50 Hz).

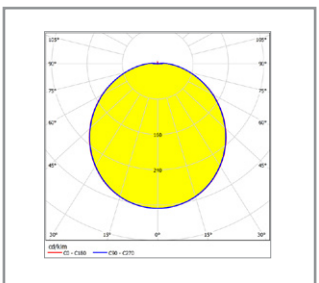
[3] Small LED circuit: with S24 driver module G31445 for safety lighting.
Large LED circuit: LED driver for general lighting.

[4] Small LED circuit: not used.
Large LED circuit: with S230 module 17382 and LED driver for safety lighting.

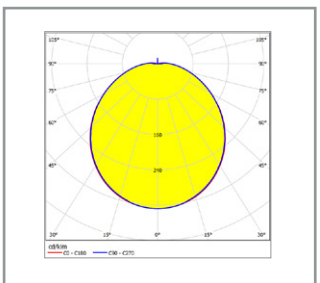
[5] Small LED circuit: with S230 driver module 17380 for safety lighting.
Large LED circuit: LED driver for general lighting.

[6] Small LED circuit: not used.
Large LED circuit: LED driver for general lighting or safety lighting.

[7] Small LED circuit: LED driver for safety lighting.
Large LED circuit: LED driver for general lighting.



Small LED circuit



Large LED circuit

SICURO 230 CENTRAL SUPPLY

Sicuro230 Order code	Version	Housing	LED	Φ=	S~	P=
Surface wall mounting, surface ceiling mounting **with luminaire monitoring (EÜ)**, without reduced power in battery operation[4]						
31086	3K	black	68	1.850 lm	20 VA / 18.5 W	
31082	4K	black	68	1.850 lm	20 VA / 18.5 W	
31094	3K	grey	68	1.850 lm	20 VA / 18.5 W	
31090	4K	grey	68	1.850 lm	20 VA / 18.5 W	
Surface wall mounting, surface ceiling mounting **with luminaire monitoring (EÜ)** and reduced power in battery operation[5]						
31087	3K	black	68	340 lm	20 VA / 4.7 W	
31083	4K	black	68	340 lm	20 VA / 4.7 W	
31095	3K	grey	68	340 lm	20 VA / 4.7 W	
31091	4K	grey	68	340 lm	20 VA / 4.7 W	
Surface wall mounting, surface ceiling mounting **with circuit monitoring (SÜ)**, without reduced power in battery operation[6]						
31088	3K	black	68	1.850 lm	18.5 VA / 17 W	
31084	4K	black	68	1.850 lm	18.5 VA / 17 W	
31096	3K	grey	68	1.850 lm	18.5 VA / 17 W	
31092	4K	grey	68	1.850 lm	18.5 VA / 17 W	
Surface wall mounting, surface ceiling mounting **with circuit monitoring (SÜ)** and reduced power in battery operation[7]						
31089	3K	black	68	340 lm	20 VA / 5.4 W	
31085	4K	black	68	340 lm	20 VA / 5.4 W	
31097	3K	grey	68	340 lm	20 VA / 5.4 W	
31093	4K	grey	68	340 lm	20 VA / 5.4 W	
Surface wall mounting, surface ceiling mounting **with luminaire monitoring (EÜ)**, without reduced power in battery operation[4] **with motion detector**[2]						
31204	3K	black	68	1.850 lm	20 VA / 18.5 W	
31200	4K	black	68	1.850 lm	20 VA / 18.5 W	
31212	3K	grey	68	1.850 lm	20 VA / 18.5 W	
31208	4K	grey	68	1.850 lm	20 VA / 18.5 W	
Surface wall mounting, surface ceiling mounting **with luminaire monitoring (EÜ)** and reduced power in battery operation[5] **with motion detector**[2]						
31205	3K	black	68	340 lm	20 VA / 4.7 W	
31201	4K	black	68	340 lm	20 VA / 4.7 W	
31213	3K	grey	68	340 lm	20 VA / 4.7 W	
31209	4K	grey	68	340 lm	20 VA / 4.7 W	
Surface wall mounting, surface ceiling mounting **with circuit monitoring (SÜ)**, without reduced power in battery operation[6] **with motion detector**[2]						
31206	3K	black	68	1.850 lm	18.5 VA / 17 W	
31202	4K	black	68	1.850 lm	18.5 VA / 17 W	
31214	3K	grey	68	1.850 lm	18.5 VA / 17 W	
31210	4K	grey	68	1.850 lm	18.5 VA / 17 W	
Surface wall mounting, surface ceiling mounting **with circuit monitoring (SÜ)** and reduced power in battery operation[7] **with motion detector**[2]						
31207	3K	black	68	340 lm	20 VA / 5.4 W	
31203	4K	black	68	340 lm	20 VA / 5.4 W	
31215	3K	grey	68	340 lm	20 VA / 5.4 W	
31211	4K	grey	68	340 lm	20 VA / 5.4 W	

ACCIAIO HIGH

High type of protection and high impact resistance. Housing made of sheet steel with caps made of diecast aluminium. High-power LEDs with light guidance through special lenses for asymmetrical shining light distribution with extreme large luminaire distances of > 100 m at heights of 2.5 to 20 m, f. i. in tunnels or halls (illumination of escape routes with 1 lx). Extremely resistant against mechanical and chemical stress.

Versions for surface wall and ceiling mounting and chain/wire, additional accessory: swivelable wall holder

MOUNTING TYPES

TECHNICAL DATA

Housing:	Sheet steel, grey (RAL 7035)	**Color stability:**	3 SDCM
Caps:	Diecast aluminium, grey (RAL 7035)	**Color temperature:**	5.700 K
Lenses:	PMMA, transparent	**Color rendering index:**	80
Service life $L_{80}B_{20}$:	50.000 h		

< 15 m > H 75 m | IP66 | IK09 | UV | Oil

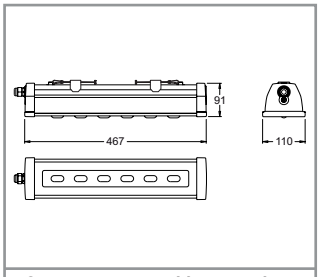
DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

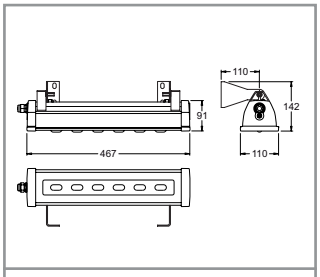
CENTRAL SUPPLY

Mains supply:	198V – 254V/50Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I

Variant	Φ~
Sicuro24	–
Sicuro230	2.250 lm



Surface wall and ceiling mounting, chain/wire



Surface wall mounting, swiveable wall holder

Rev.-No. S2024-02

SICURO 24 DECENTRAL SUPPLY

Sicuro24 Order code	LED	Φ=	P=
Surface wall mounting, surface ceiling mounting, chain/wire			
32084[1]	6	750 lm	8 W
		1.500 lm	16 W

SICURO 230 CENTRAL SUPPLY

Sicuro230 Order code	LED	Φ=	S~	P=
Surface wall mounting, surface ceiling mounting, chain/wire **with luminaire monitoring (EÜ)**				
31114[2]	6	2.250 lm	26 VA / 23.5 W	
Surface wall mounting, surface ceiling mounting, chain/wire **with circuit monitoring (SÜ)**				
31115[3]	6	2.250 lm	25.5 VA / 22 W	

[1] With S24 inverter module G31446, only for non-maintained mode, light flux / power programmable over S24 station.

[2] With S230 module 17382 and LED driver.

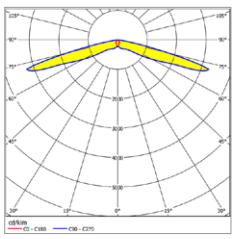
[3] With LED driver.

[4] 1 piece per luminaire required.

LED array, consisting of 6 high-power LEDs, for large luminaire distances

Please order accessories separately

Order code	Description
15015[4]	Wall holder, swiveable (+/- 90°)



Light distribution curve

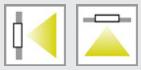
LLL EXTREME

High type of protection and high impact resistance. Housing made of diecast aluminium in square shape. High-power LEDs with light guidance through special lenses for asymmetrical light distribution (illumination of escape routes with 1 lx) or for symmetrical light distribution (illumination of areas with 0.5 lx). Explosion-protected for zone 2 (II 3G Ex nA IIB T4 Gc) and zone 22 (II 3D Ex tc IIIC T80°C Dc) except of the accessory 15049. Extremely resistant against mechanical and chemical stress. All luminaires, except of the accessories 15043, 15044 and 15049, are suitable for the use in sport sites (certificate of accredited body available).

Versions for surface wall and ceiling mounting, excluding swivelable wall holder and with additional accessories for recessed wall and ceiling mounting and surface wall mounting with swivelable wall holder

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES



TECHNICAL DATA

Housing:	Diecast aluminium, grey (RAL 7040)	**Color temperature:**	4.000 K
Lens:	PMMA, transparent	**Color rendering index:**	70
Service life $L_{80}B_{20}$:	50.000 h	**Optic interface:**	LIFE
Color stability:	3 SDCM		

Commissioning: For Autotest, operating duration 8h, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III with connection only to low voltage, I with additional connection to voltages above low voltage

CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I

Variant	Φ~ [5]
LIFE	575 lm
Sicuro24 / Sicuro230	1.400 lm

FORMULAS FOR CALCULATION OF THE RESPECTABLE LIGHT FLUX IN MAINS AND BATTERY OPERATION

Ideational light flux of luminaire in mains operation [%] = 100 %

Respectable light flux of luminaire in mains operation [lm] =

$$\text{Respectable light flux of luminaire in mains operation [\%]} \times \frac{\text{Ideational light flux of luminaire in mains operation [lm]}}{100\ \%}$$

Ideational light flux of luminaire in battery operation [%] = 100 %

Respectable light flux of luminaire in battery operation [lm] =

$$\text{Respectable light flux of luminaire in battery operation [\%]} \times \frac{\text{Ideational light flux of luminaire in battery operation [lm]}}{100\ \%}$$

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code	LED	Φ= [5] 1 h	Φ= [5] 3 h	Φ= [5] 8 h		S~
Surface wall mounting, surface ceiling mounting, for escape route and area illumination with 5 changeable lenses[1]								
19370	**19370+15036**[2]	**19370+15049**[2 4]	4	1.155 lm	385 lm	144 lm	2x LIFE 6.4 V / 1.5 Ah	13.4 VA

Sicuro24 DECENTRAL SUPPLY

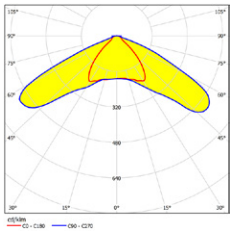
Sicuro24 Order code	LED	Φ= [5]	P=	
Surface wall mounting, surface ceiling mounting, for escape route and area illumination with 5 changeable lenses[1]				
32083	4	1.100 lm	7.4 W	

Sicuro230 CENTRAL SUPPLY

Sicuro230 Order code	LED	Φ= [5]	S~	P=
Surface wall mounting, surface ceiling mounting, **with luminaire monitoring (EÜ)**, for escape route and area illumination with 5 changeable lenses[1]				
31112	4	1.400 lm	24.1 VA / 11.2 W	
Surface wall mounting, surface ceiling mounting, **with circuit monitoring (SÜ)**, for escape route and area illumination with 5 changeable lenses[1]				
31113	4	1.400 lm	22.2 VA / 10.7 W	

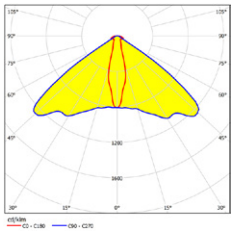
[1] Please order additional accessories for recessed wall and ceiling mounting and surface wall mounting with swiveable wall holder separately.
[2] Please order Logica interface (15036) and Logica FM interface (15049) separately.
The Logica FM interface (15049) is not suitable for the explosion protection in zone 2 (II 3G Ex nA IIB T4 Gc) and zone 22 (II 3D Ex tc IIIC T80°C Dc).
[3] 1 piece per luminaire required.
[4] The accessory is not suitable for the use in sport sites.
[5] Ideational light flux of 100 %. Corresponds to no adjustable / programmable value.

Φ~ / Φ= Respectable light flux: 88 %



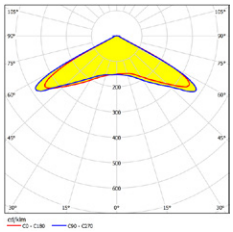
Escape route, asymmetric wide-beam 3 m

Φ~ / Φ= Respectable light flux: 82 %



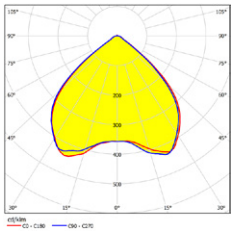
Escape route, asymmetric wide-beam 7 m

Φ~ / Φ= Respectable light flux: 92 %



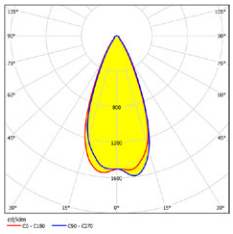
Area, symmetric wide-beam 3 m

Φ~ / Φ= Respectable light flux: 89 %

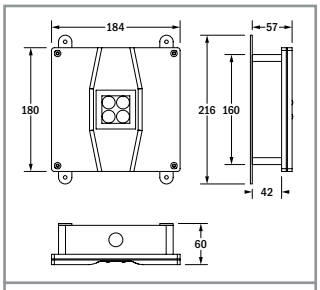


Area, symmetric wide-beam 7 m

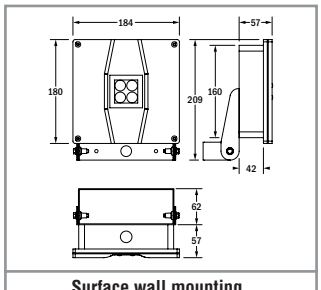
Φ~ / Φ= Respectable light flux: 89 %



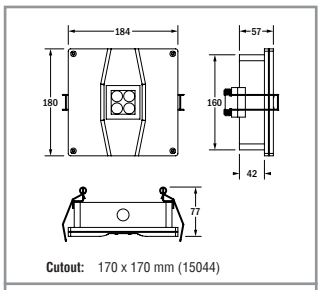
Area, symmetric deep-beam



Surface wall and ceiling mounting



Surface wall mounting, swiveable wall holder



Cutout: 170 x 170 mm (15044)

Recessed wall and ceiling mounting, hollow

Wall holder – 15043

Recessed mounting set, hollow – 15044

Extremely resistant housing – luminaire suitable for use in sport sites

Rev.-No. S2024-02

1x cable gland,
included in scope of delivery

Included in scope of delivery	
Order code	**Description**
–	Symmetrical wide-beam lens for mounting height 3.5 m (only for area illumination)
–	Symmetrical wide-beam lens for mounting height 7 m (only for area illumination)
–	Asymmetrical wide-beam lens for mounting height 3.5 m (only for escape route illumination)
–	Asymmetrical wide-beam lens for mounting height 7 m (only for escape route illumination)
–	Symmetrical deep-beam lens (only for area illumination)
–	1x cable gland, M20, stainless steel, ATEX

Please order accessories separately	
Order code	**Description**
15043	Wall holder, swiveable (+110° / -47°)[3] [4]
15044	Recessed mounting set for hollow walls / hollow ceilings[4]

Please order further accessories separately (only for LIFE)	
Order code	**Description**
15036	Logica interface
15049	Logica FM interface (IP65, luminaire attachment)[4]
15038	DALI interface (for connection to DALI central of the general or safety lighting)

S-IN

Safety luminaire for steps. Housing made of aluminium with lamella and frame bezel, exchangeable. Recessed housing for massive steps included in scope of delivery.

Version for recessed step mounting

MOUNTING TYPES

TECHNICAL DATA

Housing:	Aluminium, grey (RAL 7037)	**Service life $L_{80}B_{20}$:**	50.000 h
Cover:	Diecast aluminium, grey (RAL 7037)	**Color stability:**	3 SDCM
Pane:	Glass, opal	**Color temperature:**	6.500 K
		Color rendering index:	70

IP65 IK09

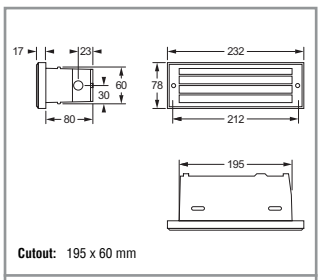
DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

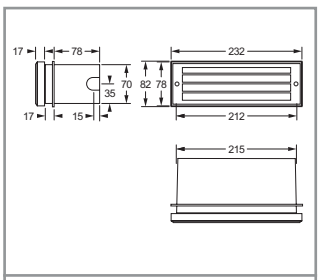
Mains supply:	198 V – 254 V / 50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

Variant	Φ~
Sicuro24 – with lamella bezel	29 lm
Sicuro24 – with frame bezel	133 lm
Sicuro230 – with lamella bezel	29 lm
Sicuro230 – with frame bezel	133 lm

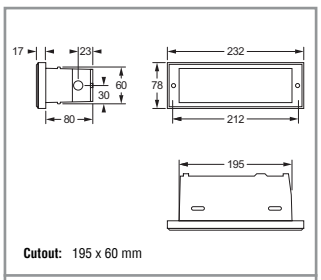


Cutout: 195 x 60 mm

Recessed step mounting, hollow, lamella bezel

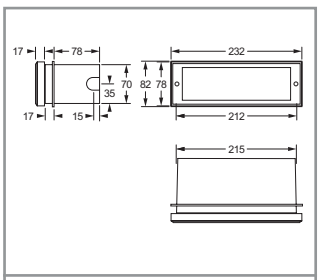


Recessed step mounting, massive, lamella bezel



Cutout: 195 x 60 mm

Recessed step mounting, hollow, frame bezel



Recessed step mounting, massive, frame bezel

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SICURO 24 DECENTRAL SUPPLY

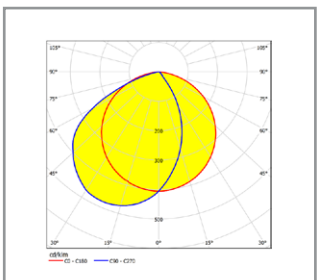
Sicuro24 Order code	LED	Φ=	P=
Recessed step mounting[1]			
32031	3	29 lm (lamella bezel) 133 lm (frame bezel)	4.3 W

[1] Recessed step mounting massive and hollow possible.

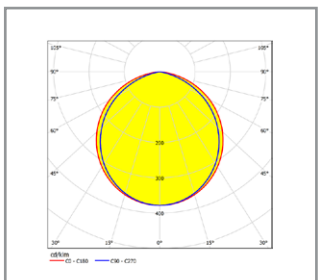
SICURO 230 CENTRAL SUPPLY

Sicuro230 Order code	LED	Φ=	S~	P=
Recessed step mounting[1]				
31031	3	29 lm (lamella bezel) 133 lm (frame bezel)	8.9 VA / 4.5 W	

Included in scope of delivery	
Order code	**Description**
–	Recessed mounting set for massive steps
–	Recessed mounting set for hollow steps



Light distribution curve, lamella bezel



Light distribution curve, frame bezel

TRIANGLE

Housing made of stainless sheet steel in white or unpainted in triangular design with light-emitting surface downwards. High-power LED with light guidance through special lenses for asymmetrical light distribution (illumination of escape routes with 1 lx) or for symmetrical light distribution (illumination of areas with 0.5 lx).

Versions for surface wall mounting and with additional accessory for bollard (only S230 and S24)

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Stainless sheet steel, V2A, white (RAL 9010) Stainless sheet steel, V2A	**Color stability:**	3 SDCM
Pane:	PMMA, transparent	**Color temperature:**	4.000 K
Lens:	PMMA, transparent	**Color rendering index:**	70
Service life $L_{80}B_{20}$:	50.000 h	**Optic interface:**	LIFE

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

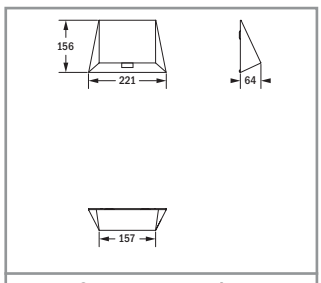
DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

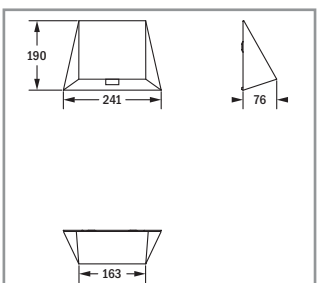
CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

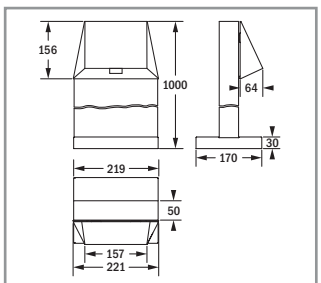
Variant	Φ~ Area 3,5 m	Φ~ Area 7 m	Φ~ Escape route
LIFE	199 lm	203 lm	186 lm
Sicuro24 / Sicuro230	265 lm	271 lm	248 lm



Surface wall mounting (S24 & S230)



Surface wall mounting (LIFE)



Bollard (S24 & S230)

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code	Version	LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall mounting for escape route illumination or area illumination with 3 changeable lenses									
37270	**37271**	**37272**	V2A, white	1	**Escape route** 248 lm **Area 3.5 m / 7 m** 265 lm / 271 lm	**Escape route** 143 lm **Area 3.5 m / 7 m** 152 lm / 157 lm	**Escape route** 50 lm **Area 3.5 m / 7 m** 53 lm / 54 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37273	**37274**	**37275**	V2A	1	**Escape route** 248 lm **Area 3.5 m / 7 m** 265 lm / 271 lm	**Escape route** 143 lm **Area 3.5 m / 7 m** 152 lm / 157 lm	**Escape route** 50 lm **Area 3.5 m / 7 m** 53 lm / 54 lm	LIFE 6.4 V / 1.5 Ah	8 VA

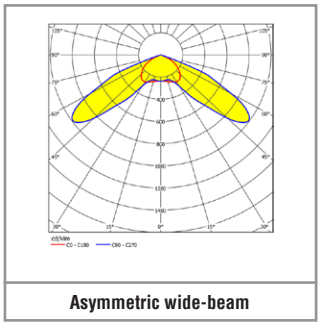
SICURO 24 DECENTRAL SUPPLY

Sicuro24 Order code	Version	LED	Φ=	P=
Surface wall mounting for escape route illumination or area illumination with 3 changeable lenses[1]				
32057	V2A, white	1	**Escape route** 248 lm **Area 3.5 m / 7 m** 265 lm / 271 lm	3.8 W
32058	V2A	1	**Escape route** 248 lm **Area 3.5 m / 7 m** 265 lm / 271 lm	3.8 W

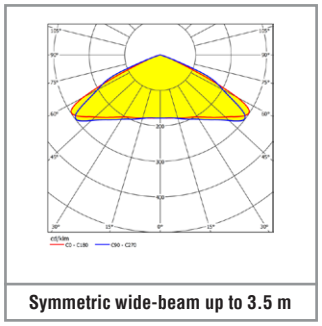
SICURO 230 CENTRAL SUPPLY

Sicuro230 Order code	Version	LED	Φ=	S~	P=
Surface wall mounting for escape route illumination or area illumination with 3 changeable lenses[1]					
31056	V2A, white	1	**Escape route** 248 lm **Area 3.5 m / 7 m** 265 lm / 271 lm	8.3VA / 4.1 W	
31057	V2A	1	**Escape route** 248 lm **Area 3.5 m / 7 m** 265 lm / 271 lm	8.3VA / 4.1 W	

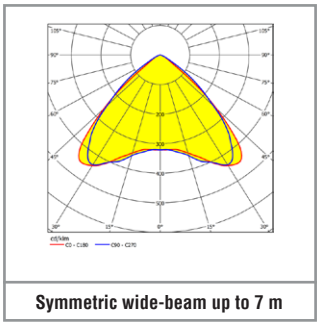
[1] Please order additional required accessories for bollard separately.



Asymmetric wide-beam



Symmetric wide-beam up to 3.5 m



Symmetric wide-beam up to 7 m

Included in scope of delivery

Order code	Description
–	Symmetrical wide-beam lens for mounting height 3.5 m
–	Symmetrical wide-beam lens for mounting height 7 m
–	Asymmetrical wide-beam lens

Please order accessories separately

Order code	Description
F95940	Bollard for S230 and S24, stainless sheet steel, V2A, white (RAL 9010)
F95941	Bollard for S230 and S24, stainless sheet steel, V2A

F30 / F50 / F70 LED

Combined general and safety luminaire with high type of protection and high impact resistance. Spotlight luminaire in housing made of die-cast aluminium with pane made of tempered glass, microprismatic and high high-specular reflector made of aluminium. Pane coupled with the housing through hinge and closures made of stainless steel. Swivelable holder (+/- 180°). Light distribution symmetrical wide-beam or asymmetrical narrow-beam, alterable.

Versions for surface wall, ceiling and floor mounting

Also deliverable as luminaire for general lighting

MOUNTING TYPES

TECHNICAL DATA

Housing:	Diecast aluminium, grey (RAL 7040)
Pane:	Tempered glass, microprismatic
Reflector:	Aluminium, high-specular
Service life $L_{80}B_{50}$:	50.000 h
Color stability:	3 SDCM
Color temperature:	4.000 K
Color rendering index:	80

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	
-20 °C to +45 °C (luminaire)	
0 °C to +40 °C (equipment housing)	
Protection class:	I

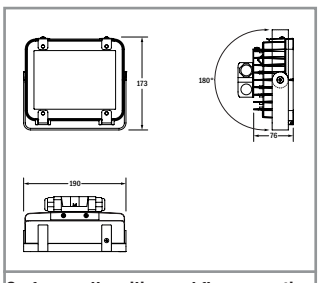
DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III with connection only to low voltage, I with additional connection to voltages above low voltage

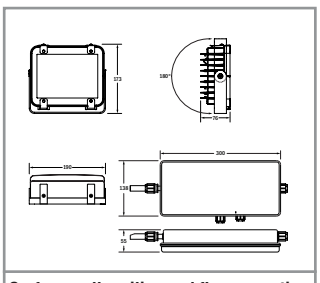
CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I

Variant	Order code	Type	Φ~
LIFE ECO / Sicuro24 / Sicuro230 – with symmetric or asymmetric adjusted reflector	**37219 / 37220 / 32071 / 31100**	F30	1.800 lm
	37221 / 37222 / 32072 / 31101	F50	3.000 lm
	37223 / 37224 / 32073 / 31102	F70	4.000 lm



Surface wall, ceiling and floor mounting (S24 & S230)



Surface wall, ceiling and floor mounting (LIFE ECO)

Rev.-No. S2024-02

LIFE ECO SELF-CONTAINED SUPPLY

5 YEARS GUARANTEE

Autotest Order code	Logica Order code	Logica FM Order code	LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall, ceiling or floor mounting[1]								
37219	**37219**	**37220**	33	1.050 lm	350 lm	130 lm	LIFE 12.8 V / 1.5 Ah	21 VA
37221	**37221**	**37222**	66	1.150 lm	380 lm	140 lm	LIFE 12.8 V / 1.5 Ah	31 VA
37223	**37223**	**37224**	99	1.080 lm	360 lm	135 lm	LIFE 12.8 V / 1.5 Ah	44 VA

SICURO DECENTRAL SUPPLY

Sicuro24 Order code	LED	Φ=	P=
Surface wall, ceiling or floor mounting[2]			
32071	33	635 lm / 1.270 lm	8 W / 16 W
32072	66	690 lm / 1.380 lm	8 W / 16 W
32073	99	650 lm / 1.290 lm	8 W / 16 W

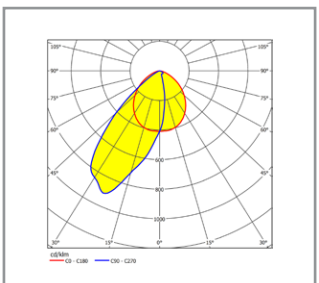
SICURO CENTRAL SUPPLY

Sicuro230 Order code	LED	Φ=	S~	P=
Surface wall, ceiling or floor mounting[3]				
31100	33	1.800 lm	20.5 VA / 17 W	
31101	66	3.000 lm	30.5 VA / 26 W	
31102	99	4.000 lm	43 VA / 37 W	

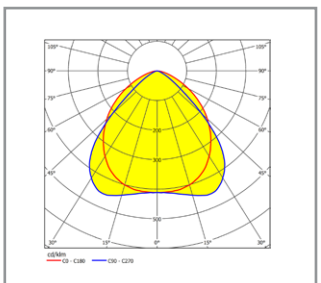
[1] With LIFE ECO inverter module 19391 and LED driver, for maintained mode and non-maintained mode.

[2] With S24 inverter module G31446 and LED driver, light flux / power programmable over S24 station.

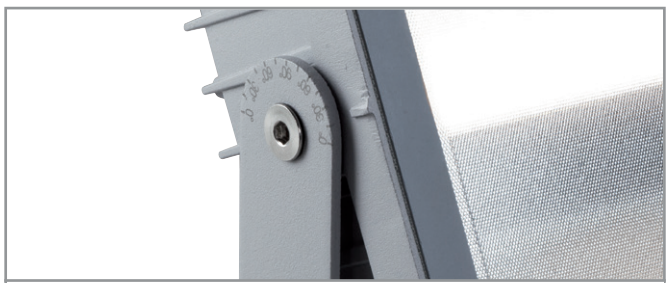
[3] With S230 module 17382 and LED driver.



Asymmetric



Symmetric



Swiveable holder (+/- 180°)

UP LED M

Downlight with housing and cover made of sheet steel. High-power LED with light guidance through special lenses for asymmetrical shining light distribution (illumination of escape routes with 1 lx) or symmetrical shining light distribution (illumination of areas with 0.5 lx). Three optics in one luminaire - Through three supplied lenses (1x asymmetrical and 2x symmetrical for 3.5 m and 7 m mounting height).

Version for recessed ceiling mounting

MOUNTING TYPES

TECHNICAL DATA

Housing:	Sheet steel, galvanized	**Color stability:**	3 SDCM
Cover:	Sheet steel, white (RAL 9010)	**Color temperature:**	4.000 K
Lens:	PMMA, transparent	**Color rendering index:**	70
Type of protection:	IP40 (cover) IP20 (backside, equipment housing)	**Optic interface:**	LIFE
Service life $L_{80}B_{20}$:	50.000 h		IP20 IP40 IK05

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

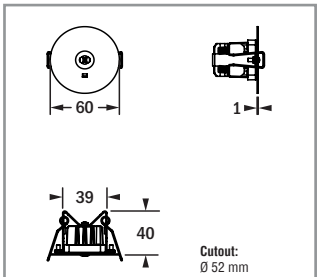
DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

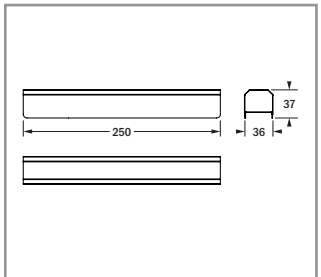
CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

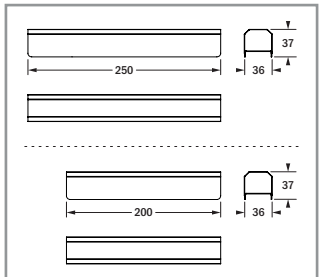
Variant	Φ~ Area 3.5 m	Φ~ Area 7 m	Φ~ Escape route
LIFE	262 lm	243 lm	247 lm
Sicuro24 / Sicuro230	350 lm	323 lm	330 lm



Recessed ceiling mounting, hollow



1x equipment housing (S24 & S230)



2x equipment housing (LIFE)

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

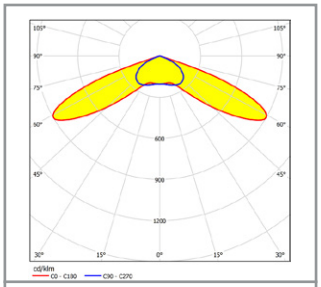
Autotest / CableCom Order code	Logica Order code	Logica FM Order code	LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Recessed ceiling mounting for escape route and area illumination with 3 changeable lenses								
37245	**37246**	**37247**	1	**Escape route** 330 lm **Area 3.5 m / 7 m** 350 lm / 323 lm	**Escape route** 190 lm **Area 3.5 m / 7 m** 203 lm / 186 lm	**Escape route** 70 lm **Area 3.5 m / 7 m** 70 lm / 65 lm	LIFE 6.4 V / 1.5 Ah	8 VA

SICURO 24 DECENTRAL SUPPLY

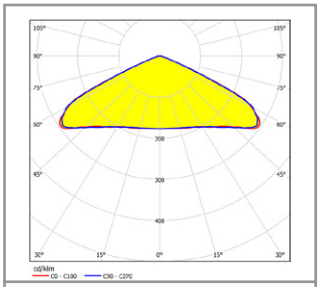
Sicuro24 Order code	LED	Φ=	P=
Recessed ceiling mounting for escape route and area illumination with 3 changeable lenses			
32104	1	**Escape route** 330 lm **Area 3.5 m / 7 m** 350 lm / 323 lm	3.8 W

SICURO 230 CENTRAL SUPPLY

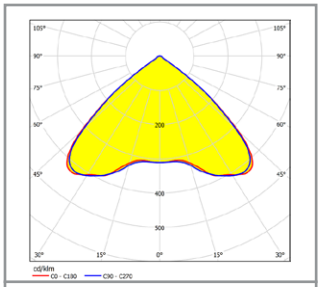
Sicuro230 Order code	LED	Φ=	S~	P=
Recessed ceiling mounting for escape route and area illumination with 3 changeable lenses				
31163	1	**Escape route** 330 lm **Area 3.5 m / 7 m** 350 lm / 323 lm	8.3 VA / 4.1 W	



Asymmetric wide-beam

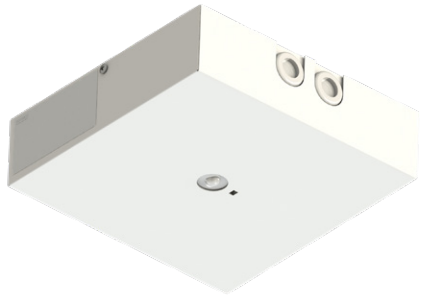


Symmetric wide-beam 3.5 m



Symmetric wide-beam 7 m

Included in scope of delivery	
Order code	**Description**
–	Symmetrical wide-beam lens for mounting height 3.5 m
–	Symmetrical wide-beam lens for mounting height 7 m
–	Asymmetrical wide-beam lens



UP LED C

Downlight with housing and cover made of sheet steel. High-power LED with light guidance through special lenses for asymmetrical shining light distribution (illumination of escape routes with 1 lx) or symmetrical shining light distribution (illumination of areas with 0.5 lx). Three optics in one luminaire - Through three supplied lenses (1x asymmetrical and 2x symmetrical for 3.5 m and 7 m mounting height).

Version for surface ceiling mounting

MOUNTING TYPES

TECHNICAL DATA

Housing:	Sheet steel, white (RAL 9010)	**Color stability:**	3 SDCM
Cover:	Sheet steel, white (RAL 9010)	**Color temperature:**	4.000 K
Lens:	PMMA, transparent	**Color rendering index:**	70
Service life $L_{80}B_{20}$:	50.000 h	**Optic interface:**	LIFE

IP40 IK07

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

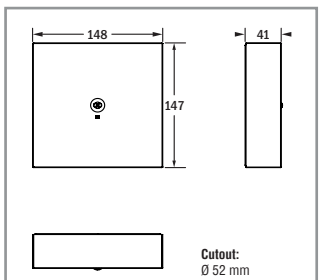
DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

Variant	Φ~ Area 3.5 m	Φ~ Area 7 m	Φ~ Escape route
LIFE	262 lm	243 lm	247 lm
Sicuro24 / Sicuro230	350 lm	323 lm	330 lm



Surface ceiling mounting

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

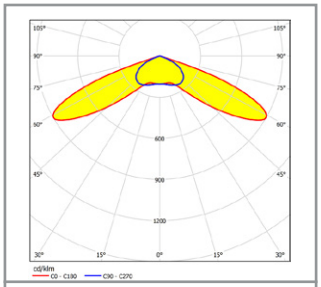
Autotest / CableCom Order code	Logica Order code	Logica FM Order code	LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface ceiling mounting for escape route and area illumination with 3 changeable lenses								
37165	**37166**	**37167**	1	**Escape route** 330 lm **Area 3.5 m / 7 m** 350 lm / 323 lm	**Escape route** 190 lm **Area 3.5 m / 7 m** 203 lm / 186 lm	**Escape route** 70 lm **Area 3.5 m / 7 m** 70 lm / 65 lm	LIFE 6.4 V / 1.5 Ah	8 VA

SICURO 24 DECENTRAL SUPPLY

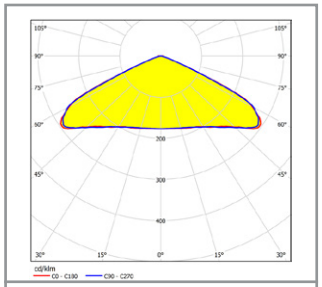
Sicuro24 Order code	LED	Φ=	P=
Surface ceiling mounting for escape route and area illumination with 3 changeable lenses			
32103	1	**Escape route** 330 lm **Area 3.5 m / 7 m** 350 lm / 323 lm	3.8 W

SICURO 230 CENTRAL SUPPLY

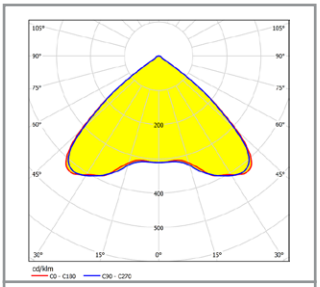
Sicuro230 Order code	LED	Φ=	S~	P=
Surface ceiling mounting for escape route and area illumination with 3 changeable lenses				
31162	1	**Escape route** 330 lm **Area 3.5 m / 7 m** 350 lm / 323 lm	8.3 VA / 4.1 W	



Asymmetric wide-beam



Symmetric wide-beam 3.5 m



Symmetric wide-beam 7 m

Included in scope of delivery	
Order code	**Description**
–	Symmetrical wide-beam lens for mounting height 3.5 m
–	Symmetrical wide-beam lens for mounting height 7 m
–	Asymmetrical wide-beam lens

INFINITA LED X5

Safety luminaire with housing and cover made of polycarbonate (PC). High type of protection (IP65) and high impact resistance (IK08). Numerous cable entries. The X5 system offers five optics in one luminaire – through five supplied lenses (for mounting heights of 2 m to over 12 m, luminaire distances for escape routes of up to 34 m) both escape routes and areas can be illuminated very efficiently.

Versions for surface wall and ceiling mounting and with additional accessories for recessed wall and ceiling mounting, pendulum, bracket and chain/wire

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Polycarbonate, white (RAL 9003)	**Color temperature:**	4.000 K
Cover:	Polycarbonate, transparent	**Color rendering index:**	80
Service life $L_{80}B_{20}$:	50.000 h		

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V / 50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	II

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III with connection only to low voltage, II with additional connection to voltages above low voltage

CENTRAL SUPPLY

Mains supply:	198 V – 254 V / 50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	II

Variant	Φ~ 3
LIFE	700 lm
Sicuro24 / Sicuro230	1.100 lm

FORMULAS FOR CALCULATION OF THE RESPECTABLE LIGHT FLUX IN MAINS AND BATTERY OPERATION

Ideational light flux of luminaire in mains operation [%] = 100 %

Respectable light flux of luminaire in mains operation [lm] =

$$\text{Respectable light flux of luminaire in mains operation [\%]} \times \frac{\text{Ideational light flux of luminaire in mains operation [lm]}}{100\ \%}$$

Ideational light flux of luminaire in battery operation [%] = 100 %

Respectable light flux of luminaire in battery operation [lm] =

$$\text{Respectable light flux of luminaire in battery operation [\%]} \times \frac{\text{Ideational light flux of luminaire in battery operation [lm]}}{100\ \%}$$

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest Order code	Logica Order code	Logica FM Order code	LED	Φ= 3 1 h	Φ= 3 3 h		S~
Surface wall mounting, surface ceiling mounting for escape route and area illumination with 5 changeable lenses[1]							
19471[4]	**19471**[4]	**19471**[4]**+15037**[2]	4	1.500 lm	550 lm	2x LIFE 9.6 V / 1.5 Ah	15 VA

SICURO 24 DECENTRAL SUPPLY

Sicuro24 Order code	LED	Φ= 3	P=
Surface wall mounting, surface ceiling mounting for escape route and area illumination with 5 changeable lenses[1]			
32112[5]	4	500 lm	4.3 W

SICURO 230 CENTRAL SUPPLY

Sicuro230 Order code	LED	Φ= 3	S~	P=
Surface wall mounting, surface ceiling mounting for escape route and area illumination with 5 changeable lenses[1]				
31172[6]	4	1.100 lm	12.4 VA / 11.4 W	

[1] Please order additional required accessories for recessed wall and ceiling mounting, pendulum, bracket and chain/wire separately.

[2] Please order Logica FM interface (15037) separately.

[3] Ideational light flux of 100 %. Corresponds to no adjustable / programmable value.

[4] Version UL for LIFE.

[5] Version XL for Sicuro24.

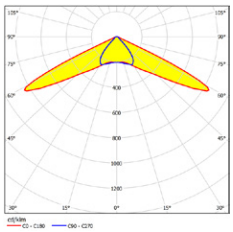
[6] Version XL for Sicuro230.

Version UL for LIFE
UL = ultimate large light flux in battery operation through battery 2x LIFE 9.6 V / 1.5 Ah.

Version XL for Sicuro24
XL = extra large light flux in mains operation. Factory-made with light switch query and sub distribution monitoring through S24 inverter module G31446 in combination with a LED driver.

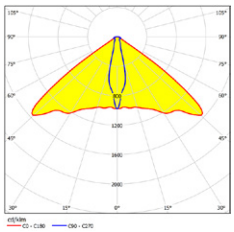
Version XL for Sicuro230
XL = extra large light flux in mains and battery operation. Factory-made with light switch query and sub distribution monitoring through S230 module 17382 in combination with a LED driver.

Φ~ / Φ= Respectable light flux: 85 %



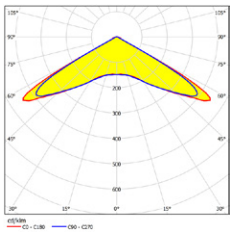
Escape route, asymmetric wide-beam 3.5 m

Φ~ / Φ= Respectable light flux: 85 %



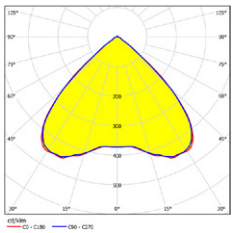
Escape route, asymmetric wide-beam 7 m

Φ~ / Φ= Respectable light flux: 90 %



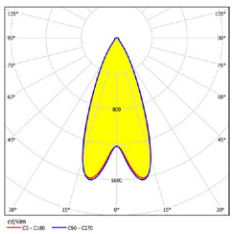
Area, symmetric wide-beam 3.5 m

Φ~ / Φ= Respectable light flux: 87 %

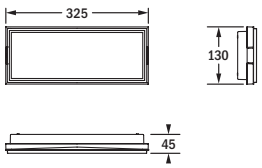


Area, symmetric wide-beam 7 m

Φ~ / Φ= Respectable light flux: 87 %



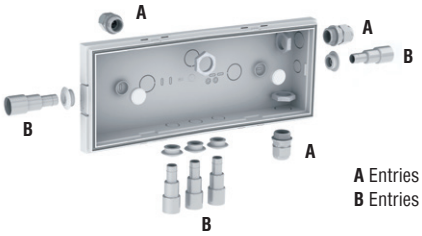
Area, symmetric deep-beam



Surface wall and ceiling mounting

Cutout: 310 mm x 115 mm (4687)

Recessed wall and ceiling mounting, hollow



A Entries with M20 cable gland
B Entries for 16 – 20 mm cable

Easy installation and cabling

Rev.-No. S2024-02

Lug set chain / wire
– 3723

Please order accessories separately

Order code	Description
4683	Recessed mounting set for massive walls / massive ceilings (concrete-cast housing)
4685	Wall holder, not swiveable (-45°)
4686	Bracket
4687	Recessed mounting set for hollow walls / hollow ceilings
4315	Tubular pendulum, round, 250 mm
4316	Tubular pendulum, round, 500 mm
4317	Tubular pendulum, round, 1.000 mm
3723	Lug set for chain and wire mounting
3912	Protective basket

Please order further accessories separately (only for LIFE)

Order code	Description
15037	Logica FM interface
15038	DALI interface (for connection to DALI central of the general or safety lighting)

DOT

Downlight with housing made of sheet steel and cover in high type of protection made of polyhydroxyalkanoate (PHA), a biopolyester overpaintable with wall paint. One pair of high-power LEDs with light guidance through special lenses. Double optic in one luminaire – through a simple turn of the high-power LEDs either asymmetrical shining light distribution (illumination of escape routes with 1 lx) or symmetrical shining light distribution (illumination of areas with 0.5 lx). Laser module Orma for subsidiary escape route indication (only in emergency operation) through projection of an arrow symbol on the floor for version LIFE available as accessory.

Version for recessed ceiling mounting

MOUNTING TYPES

TECHNICAL DATA

Housing:	Sheet steel, white (RAL 9010)
Cover:	PHA, white (RAL 9003)
Lenses:	PMMA, transparent
Type of protection:	IP65 (cover) IP20 (backside, equipment housing)
Service life $L_{80}B_{20}$:	50.000 h

Color stability:	3 SDCM
Color temperature:	4.000 K
Color rendering index:	70
Optic interface:	LIFE

Commissioning - LIFE: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained or non-maintained
Ambient temperature:	LIFE: -10 °C to +45 °C LIFE ECO: 0 °C to +40 °C
Protection class:	I

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

Variant	Φ~ [4]
LIFE	240 lm
LIFE ECO	–
Sicuro24 / Sicuro230	550 lm

FORMULAS FOR CALCULATION OF THE RESPECTABLE LIGHT FLUX IN MAINS AND BATTERY OPERATION

Ideational light flux of luminaire in mains operation [%] = 100 %

Respectable light flux of luminaire in mains operation [lm] =

$$\text{Respectable light flux of luminaire in mains operation [\%]} \times \frac{\text{Ideational light flux of luminaire in mains operation [lm]}}{100\ \%}$$

Ideational light flux of luminaire in battery operation [%] = 100 %

Respectable light flux of luminaire in battery operation [lm] =

$$\text{Respectable light flux of luminaire in battery operation [\%]} \times \frac{\text{Ideational light flux of luminaire in battery operation [lm]}}{100\ \%}$$

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LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code	LED	Φ= [4] 1 h	Φ= [4] 3 h	Φ= [4] 8 h		S~
Recessed ceiling mounting for escape route and area illumination								
19711	**19711+15036**[1]	**19711+15037**[1]	2	550 lm	200 lm	100 lm	LIFE 6.4 V / 1.5 Ah	8 VA

LIFE ECO SELF-CONTAINED SUPPLY

5 YEARS GUARANTEE

Autotest Order code	Logica Order code	Logica FM Order code	LED	Φ= [4] 1 h	Φ= [4] 3 h	Φ= [4] 8 h		S~
Recessed ceiling mounting for escape route and area illumination								
19712[3]	**19712**[3]	**19712+19375**[2 3]	2	1.000 lm	400 lm	150 lm	LIFE 12.8 V / 1.5 Ah	12.5 VA

SICURO 24 DECENTRAL SUPPLY

Sicuro24 Order code	LED	Φ= [4]	P=
Recessed ceiling mounting for escape route and area illumination			
17881	2	550 lm	4.1 W

SICURO 230 CENTRAL SUPPLY

Sicuro230 Order code	LED	Φ= [4]	S~	P=
Recessed ceiling mounting for escape route and area illumination				
17880	2	550 lm	9.4 VA / 4.7 W	

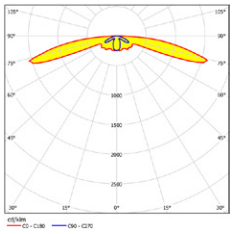
[1] Please order Logica interface (15036) and Logica FM interface (15037) separately.

[2] Please order Logica FM interface (19375) separately.

[3] With LIFE ECO inverter module 19391, only for non-maintained mode.

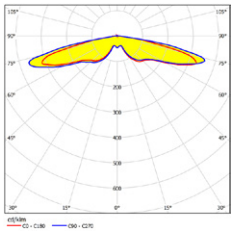
[4] Ideational light flux of 100 %. Corresponds to no adjustable / programmable value.

Φ~ / Φ= Respectable light flux: 80 %



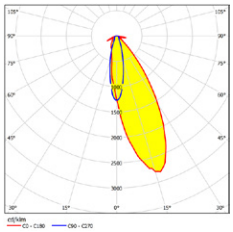
Escape route, asymmetric wide-beam

Φ~ / Φ= Respectable light flux: 91 %



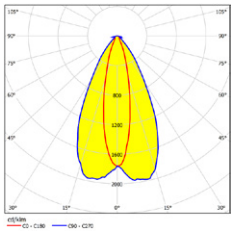
Area, symmetric wide-beam

Φ~ / Φ= Respectable light flux: 90 %

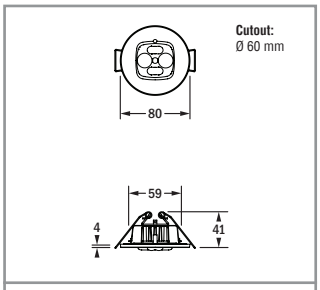


Lens 19887 - safety devices, asymmetric deep-beam

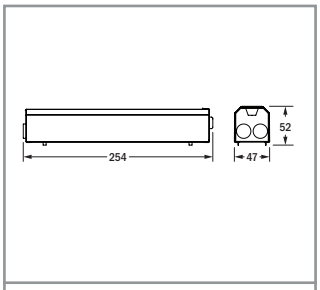
Φ~ / Φ= Respectable light flux: 90 %



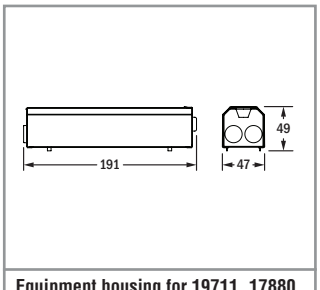
Lens 19887 - escape route, asymmetric deep-beam



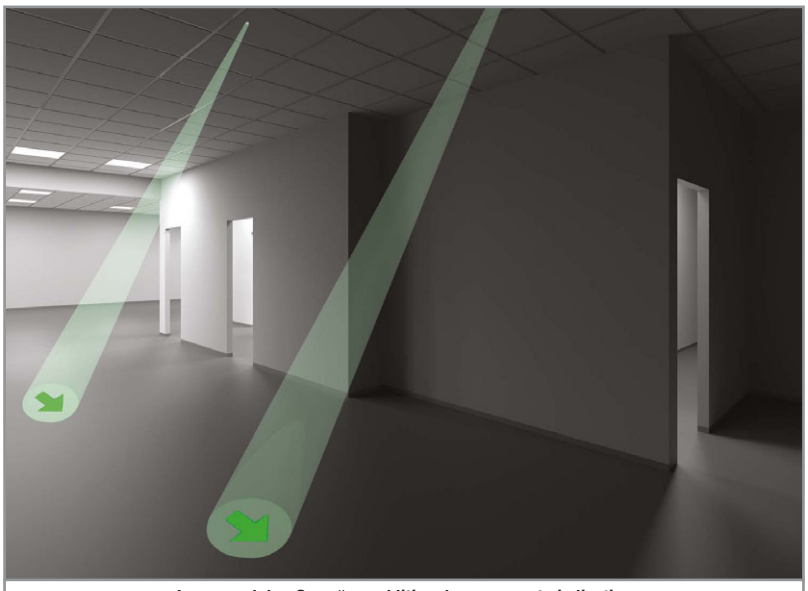
Recessed ceiling mounting



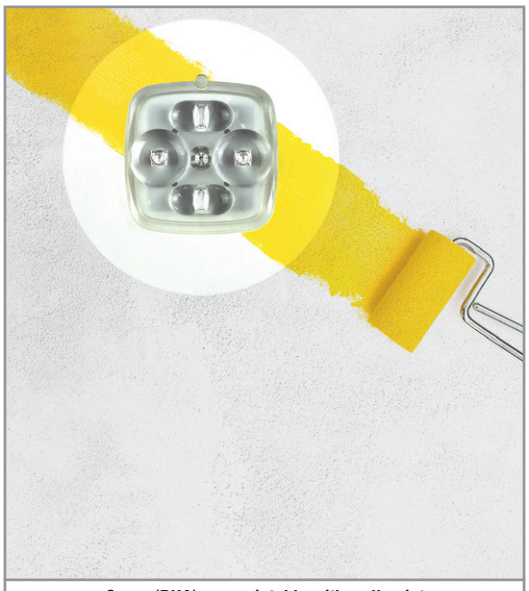
Equipment housing for 19712



Equipment housing for 19711, 17880, 17881



Laser module „Orma“ as additional escape route indication



Cover (PHA) overpaintable with wall paint

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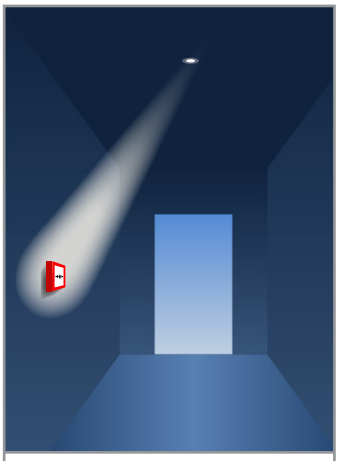
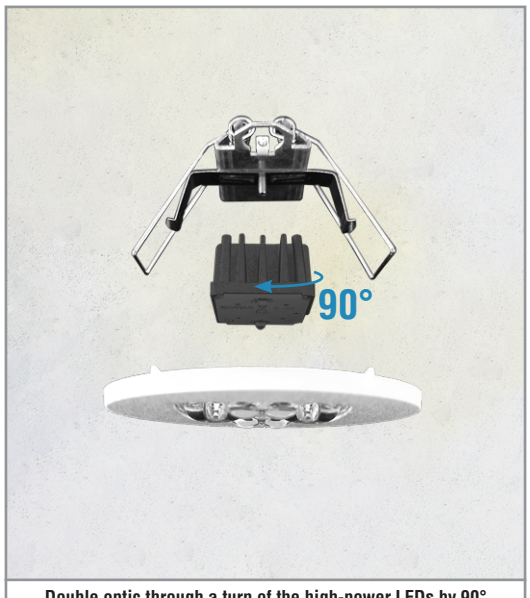
Lens, asymmetrical shining
– 19887



Illumination of safety devices with lens 19887 in respective adjustment



Double optic through a turn of the high-power LEDs by 90°

Please order accessories separately	
Order code	**Description**
15036	Logica interface for 19711
15037	Logica FM interface for 19711
15038	DALI interface for 19711 (for connection to DALI central of the general and safety lighting)
19375	Logica FM interface for 19712
19883	Laser module Orma for 19711
19887	Asymmetrical shining lens for illumination of safety devices with 5 lx as well as for illumination of escape routes with 1 lx at mounting heights of 7 m (through turn of the high-power LEDs)

PRATICA MODULA MATRIX

Multifunctional safety luminaire with high type of protection and high impact resistance. Housing with angular contours and clear polycarbonate cover. The light distribution takes place variable through desired setting of a LED matrix (in 5 LED groups), which is equipped with special lenses. Overall 4 light distributions are at choice for different applications: escape route illumination for wall mounting / area illumination for wall mounting / escape route and area illumination for ceiling mounting / deep-beam area illumination for ceiling mounting. Change of light distribution, without exchange of LED illuminants and without adaptation of LED lenses, directly over a button manually on the luminaire or by programming. Installation through novel mounting adapter with integrated water level, which can also be used as junction box for all incoming and outgoing cables. The mounting adapter is only used for the connection to an integrated plug fixture as well as for accommodation of optional accessories. The actual luminaire can consequently be configured and (in battery operation) programmed comfortable on a work surface and only needs finally to be latched onto the mounting adapter with the integrated plug fixture.

Versions for surface wall and ceiling mounting and with additional accessories for recessed wall and ceiling mounting, bracket and chain/wire

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Polycarbonate, white (RAL 9003)	**Color temperature:**	4.000 K
Cover:	Polycarbonate, transparent	**Color rendering index:**	80
Reflector:	Polycarbonate, white (RAL 9003)	**Bluetooth interface:**	LIFE
Type of protection:	see table regarding type of protection (IP)		
Service life $L_{80}B_{20}$:	50.000 h		
Color stability:	3 SDCM		

Commissioning: For Autotest, operating duration 8h, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	II

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III with connection only to low voltage, II with additional connection to voltages above low voltage

CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	II

Variant	Φ~ 3
LIFE	250 lm
Sicuro24 / Sicuro230	1.500 lm

FORMULAS FOR CALCULATION OF THE RESPECTABLE LIGHT FLUX IN MAINS AND BATTERY OPERATION

Ideational light flux of luminaire in mains operation [%] = 100 %

Respectable light flux of luminaire in mains operation [lm] =

Respectable light flux of luminaire in mains operation [%] X $\frac{\text{Ideational light flux of luminaire in mains operation [lm]}}{100\ \%}$

Ideational light flux of luminaire in battery operation [%] = 100 %

Respectable light flux of luminaire in battery operation [lm] =

Respectable light flux of luminaire in battery operation [%] X $\frac{\text{Ideational light flux of luminaire in battery operation [lm]}}{100\ \%}$

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LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code	LED	Φ= 1 h [3]	Φ= 3 h [3]	Φ= 8 h [3]		S~
Surface wall mounting, surface ceiling mounting for escape route and area illumination with adjustable / programmable LED matrix[1]								
18821	**18821+15056**[2]	**18821+15057**[2]	24	1.000 lm	350 lm	125 lm	LIFE 6.4 V / 1.5 Ah	14.9 VA
18831	**18831+15056**[2]	**18831+15057**[2]	24	2.000 lm	700 lm	250 lm	2x LIFE 6.4 V / 1.5 Ah	16.9 VA
18841	**18841+15056**[2]	**18841+15057**[2]	24	2.700 lm	1.000 lm	400 lm	2x LIFE 6.4 V / 2 Ah	20.5 VA

SICURO 24 DECENTRAL SUPPLY

Sicuro24 Order code	LED	Φ= [3]	P=
Surface wall mounting, surface ceiling mounting for escape route and area illumination with adjustable / programmable LED matrix[1]			
17923+15059[4]	24	750 lm	9 W
		1.500 lm	13 W

SICURO 230 CENTRAL SUPPLY

Sicuro230 Order code	LED	Φ= [3]	S~	P=
Surface wall mounting, surface ceiling mounting, **with single monitoring (EÜ)**, for escape route and area illumination with adjustable / programmable LED matrix[1]				
17923+15060[5]	24	1.500 lm	22.6 VA / 12.9 W	
Surface wall mounting, surface ceiling mounting, **with circuit monitoring (SÜ)**, for escape route and area illumination with adjustable / programmable LED matrix[1]				
17923	24	1.500 lm	20 VA / 11.4 W	

[1] Please order additional required accessories for recessed wall and ceiling mounting, bracket and chain/wire separately.

[2] Please order Logica interface (15056) and Logica FM interface (15057) separately.

[3] Ideational light flux of 100 %. Corresponds to no adjustable / programmable value.

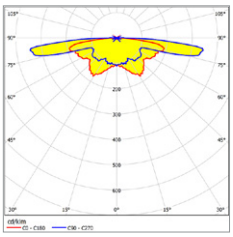
[4] Please order S24 conversion set with high mounting adapter (15059) separately. Light flux/power programmable over S24 station.

[5] Please order S230 conversion set with high mounting adapter (15060) separately.

[6] Only with use of back entries with respective gaskets (M16).

Φ~ / Φ= Respectable light flux: 38 %

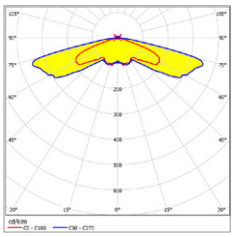
MATRIX: 03



Escape route, wide-beam, for wall mounting

Φ~ / Φ= Respectable light flux: 75 %

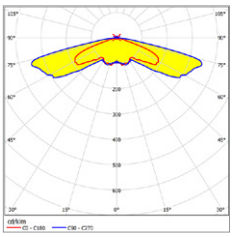
MATRIX: 06



Escape route or area, wide-beam, for ceiling mounting

Φ~ / Φ= Respectable light flux: 75 %

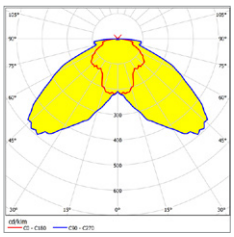
MATRIX: 06



Escape route or area, wide-beam, for ceiling mounting

Φ~ / Φ= Respectable light flux: 82 %

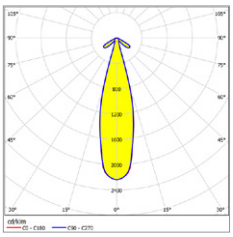
MATRIX: 09



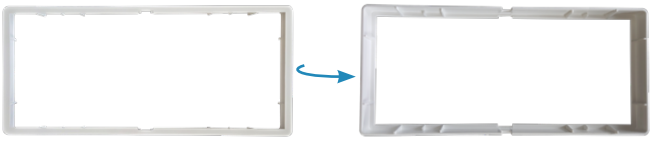
Area, wide-beam, for wall mounting

Φ~ / Φ= Respectable light flux: 83 %

MATRIX: 09



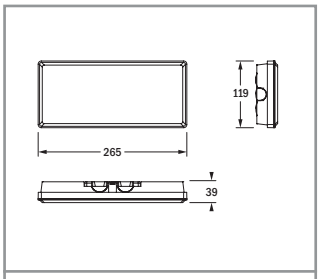
Area, deep-beam, for ceiling mounting



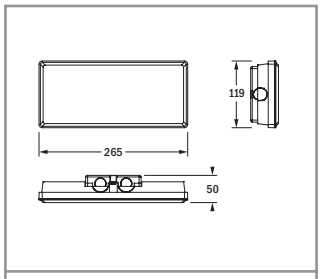
Front side of frame bezel points to wall or to ceiling for surface mounting of luminaire – sideward entries covered

Back side of frame bezel is installed savely and quickly with click-closures on back side of luminaire

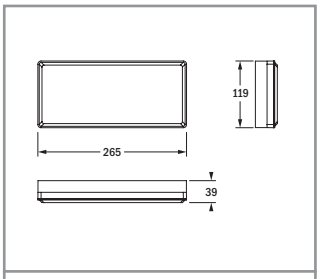
Frame bezel in scope of delivery as design element (18598)



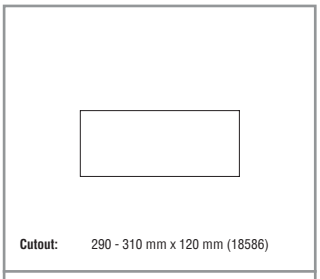
Surface wall and ceiling mounting, flat mounting adapter, without 18598



Surface wall and ceiling mounting, high mounting adapter, without 18598



Surface wall and ceiling mounting, flat mounting adapter, with 18598



Recessed wall and ceiling mounting, hollow, flat / high mounting adapter

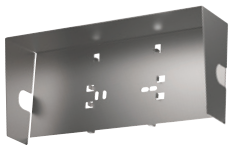
Lug set chain / wire
– 3723

Bracket
– 18590

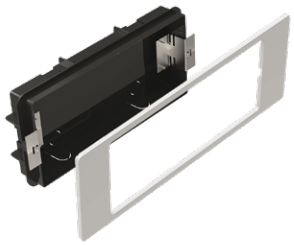
Bracket
– 18585

Mounting angles light band mounting
– 18587

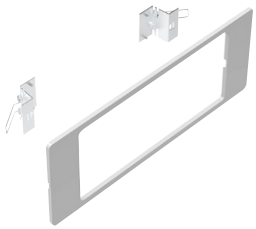
Adapter light band mounting
– 4319



Cover
– 18597

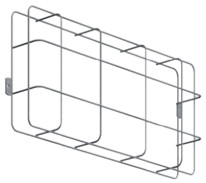


Recessed mounting set, massive
– 18580



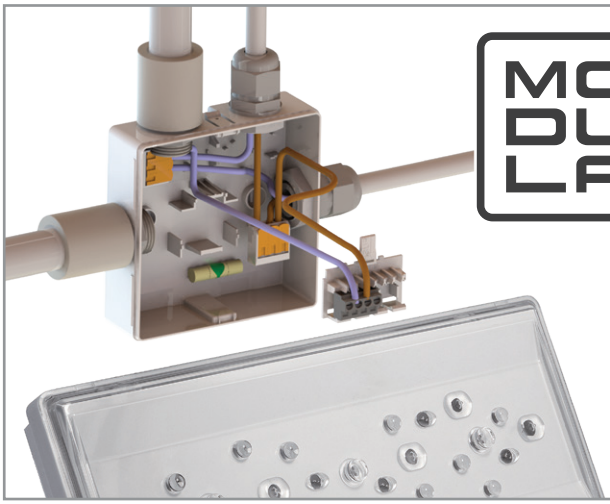
Recessed mounting set, hollow
– 18586

Logica / Logica FM / DALI interface
– 15056, 15057, 15058



Protective basket
– 18591

S24 / S230 conversion set
– 15059, 15060



MODULA

THE HIGH MOUNTING ADAPTER FROM THE SCOPE OF DELIVERY IS COMPATIBLE WITH ALL LUMINAIRES OF THE MODULA SERIES AND WAS DEVELOPED FOR THE ON-FINERY MOUNTING

THE INSTALLATION TIMES ARE REDUCED BY MORE THAN 50 % PER LUMINAIRE!

Thanks to the MODULA system, the internal wiring and all settings are enormously simplified and accelerated. A variety of entries ensures highest flexibility regarding the cable laying. Through additional plug terminals, all wires can be bundled and routed to the preinstalled terminal block. Integrated water level.

INTERNATIONAL PATENT Beghelli REGISTERED

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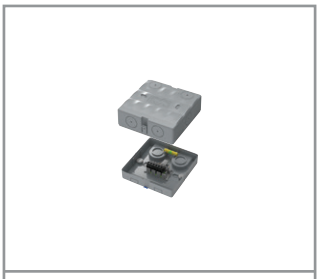
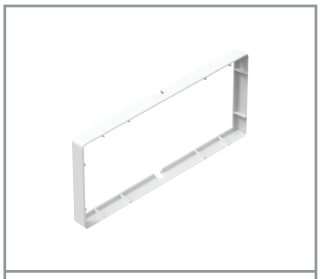


Set flat / high mounting adapter, included in scope of delivery – 18589



Frame bezel, included in scope of delivery – 18598

Included in scope of delivery	
Order code	**Description**
18589	Set with flat and high mounting adapter
18598	Frame bezel, polycarbonate, white (as design element)

Please order accessories separately	
Order code	**Description**
3723	Lug set for chain and wire mounting
18590	Bracket, sheet steel, galvanized, white, 45° luminaire tilt, not adjustable
18585	Bracket, sheet steel, galvanized, white
18587	Mounting angles for light band mounting
4319	Adapter (electrical) for light band mounting, 3-phase
18597	Cover, stainless sheet steel, for wall mounting with installation in exterior area as additional protection against rain
18580	IP42 recessed mounting set for massive walls and massive ceilings (concrete-cast housing), including frame bezel, white (overpaintable)
18599	IP65 upgrade set for 18580, including frame bezel, white (overpaintable)
18586	Recessed mounting set for hollow walls and hollow ceilings, including frame bezel, white (overpaintable)
15056	Logica interface, only for LIFE
15057	Logica FM interface, only for LIFE
15058	DALI interface, only for LIFE (for connection to DALI central of the general and safety lighting)
18591	Protective basket (only for surface wall or ceiling mounting)
15059	S24 conversion set with high mounting adapter, only for S24
15060	S230 conversion set with high mounting adapter, only for S230

TYPE OF PROTECTION (IP)

achieved type of protection	used mounting adapter	accomplished installation without accessories
IP40	flat	sideward breakable entries (2x 15x7 mm and 2x 15x10 mm) used
IP40	flat	backward drillable entries (2x max. 10 mm Ø) used
IP65	flat	backward entries (2x M16) with respective gaskets used
IP65	high	sideward entries (6x M20) or backward entries (2x M20) with respective cable glands used
achieved type of protection	**used mounting adapter**	**accomplished installation with accessories**
IP40[6]	flat	4319
IP42[6]	flat	3723 / 18590 / 18585 / 18587 / 18580 / 18586
IP65	high	3723 / 18590 / 18597 / 18580 together with 18599 / 15059 / 15060

PRATICA MODULA

Escape sign and safety luminaire with high type of protection and high impact resistance. Housing with angular contours and clear polycarbonate cover. Light guidance through white polycarbonate reflector. Installation through novel mounting adapter with integrated water level, which can also be used as junction box for all incoming and outgoing cables. The mounting adapter is only used for the connection to an integrated plug fixture as well as for accommodation of optional accessories. The actual luminaire can consequently be configured and (in battery operation) programmed comfortable on a work surface and only needs finally to be latched onto the mounting adapter with the integrated plug fixture.

Versions for surface wall and ceiling mounting and with additional accessories for recessed wall and ceiling mounting, bracket and chain/wire

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Polycarbonate, white (RAL 9003)
Cover:	Polycarbonate, transparent
Reflector:	Polycarbonate, white (RAL 9003)
Type of protection:	see table regarding type of protection (IP)
Service life $L_{80}B_{20}$:	50.000 h
Color stability:	3 SDCM

Color temperature:	4.000 K
Color rendering index:	80
Bluetooth interface:	LIFE

Commissioning: For Autotest, operating duration 8h, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	II

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III with connection only to low voltage, II with additional connection to voltages above low voltage

CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	II

Variant	Φ~
LIFE	250 lm
Sicuro24	1.500 lm
Sicuro230[6]	400 lm
	800 lm
	1.100 lm
	1.500 lm

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]									
18741	**18741+15056**[2]	**18741+15057**[2]	20 m	36	300 / 450[3] lm	110 / 170[3] lm	40 / 60[3] lm	LIFE 3.2 V / 1.5 Ah	12.9 VA
18751	**18751+15056**[2]	**18751+15057**[2]	20 m	36	500 / 750[3] lm	165 / 275[3] lm	65 / 95[3] lm	LIFE 3.2 V / 1.5 Ah	12.9 VA
18761	**18761+15056**[2]	**18761+15057**[2]	20 m	36	700 / 1.000[3] lm	250 / 400[3] lm	90 / 125[3] lm	LIFE 3.2 V / 3 Ah	12.9 VA
18771	**18771+15056**[2]	**18771+15057**[2]	20 m	36	1.000 / 1.500[3] lm	350 / 550[3] lm	125 / 190[3] lm	LIFE 3.2 V / 3 Ah	12.9 VA
18781	**18781+15056**[2]	**18781+15057**[2]	20 m	36	1.700 / 2.000[3] lm	750 / 900[3] lm	300 / 350[3] lm	2x LIFE 3.2 V / 3 Ah	16.6 VA

SICURO DECENTRAL SUPPLY

Sicuro24 Order code		LED	Φ=	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]				
17920+15059[4]	20 m	36	750 lm	9 W
			1.500 lm	13 W

SICURO CENTRAL SUPPLY

Sicuro230 Order code		LED	Φ=	S~	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1], **with single monitoring (EÜ)**					
17920+15060[5]	20 m	36	400 lm	10.4 VA / 5.9 W	
			800 lm	13.9 VA / 7.9 W	
			1.100 lm	17.4 VA / 9.9 W	
			1.500 lm	22.6 VA / 12.9 W	
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1], **with circuit monitoring (SÜ)**					
17920[6]	20 m	36	400 lm	7.7 VA / 4.4 W	
			800 lm	11.2 VA / 6.4 W	
			1.100 lm	14.7 VA / 8.4 W	
			1.500 lm	20 VA / 11.4 W	

[1] Please order additional required accessories for recessed wall and ceiling mounting, bracket and chain/wire separately.

[2] Please order Logica interface (15056) and Logica FM interface (15057) separately.

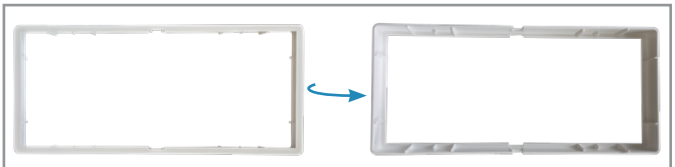
[3] Light flux with subsidiary battery. Please order subsidiary battery separately.

[4] Please order S24 conversion set with high mounting adapter (15059) separately. Light flux/power programmable over S24 station.

[5] Please order S230 conversion set with high mounting adapter (15060) separately. Light flux/power adjustable over DIP switches on luminaire.

[6] Light flux/power adjustable over DIP switches on luminaire.

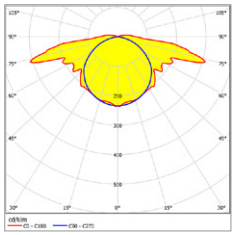
[7] Only with use of back entries with respective gaskets (M16).



Front side of frame bezel points to wall or to ceiling for surface mounting of luminaire – sideward entries covered

Back side of frame bezel is installed savely and quickly with click-closures on back side of luminaire

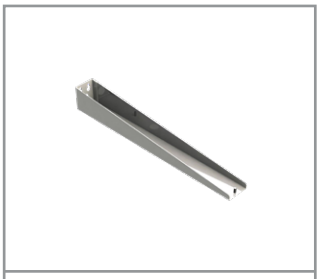
Frame bezel in scope of delivery as design element (18598)



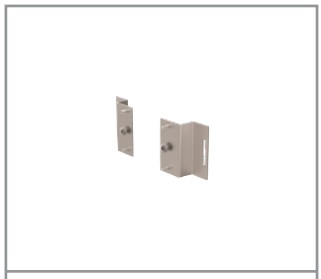
Light distribution curve

Lug set chain / wire
– 3723

Bracket
– 18590

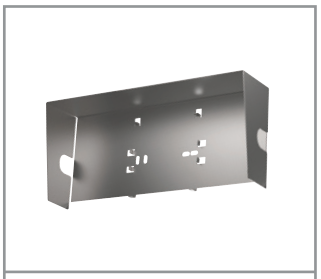


Bracket
– 18585

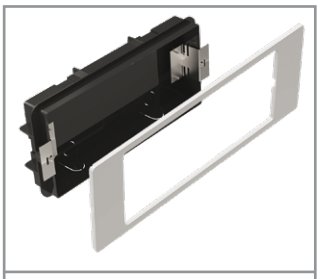


Mounting angles light band mounting
– 18587

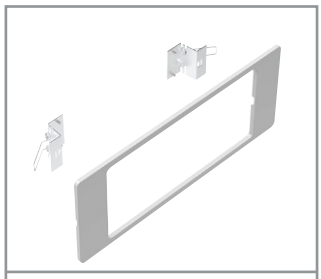
Adapter light band mounting
– 4319



Cover
– 18597

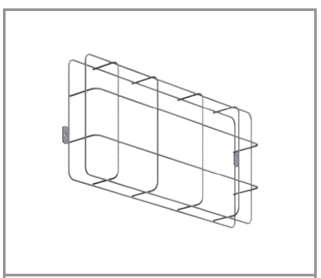


Recessed mounting set, massive
– 18580

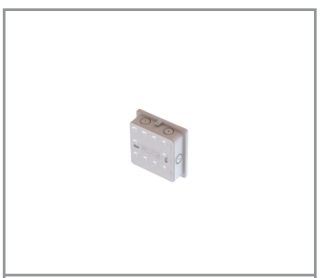


Recessed mounting set, hollow
– 18586

Logica / Logica FM / DALI interface
– 15056, 15057, 15058



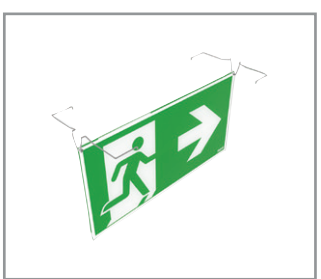
Protective basket
– 18591



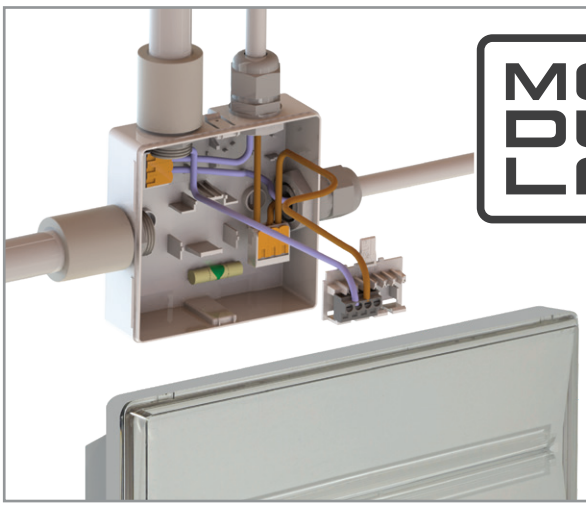
S24 / S230 conversion set
– 15059, 15060

Escape sign cover (one-sided)
– 18595, 18594, 18593, 18596

Escape sign cover (two-sided)
– 18583, 18581, 18582



Escape sign display pane (two-sided)
– 4129, 4127, 4128



MODULA

THE HIGH MOUNTING ADAPTER FROM THE SCOPE OF DELIVERY IS COMPATIBLE WITH ALL LUMINAIRES OF THE MODULA SERIES AND WAS DEVELOPED FOR THE ON-FINERY MOUNTING

THE INSTALLATION TIMES ARE REDUCED BY MORE THAN 50 % PER LUMINAIRE!

Thanks to the MODULA system, the internal wiring and all settings are enormously simplified and accelerated. A variety of entries ensures highest flexibility regarding the cable laying. Through additional plug terminals, all wires can be bundled and routed to the preinstalled terminal block. Integrated water level.

INTERNATIONAL PATENT Beghelli REGISTERED

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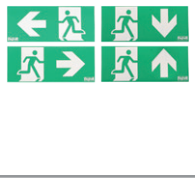
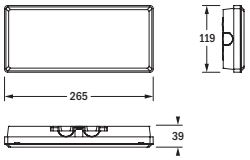


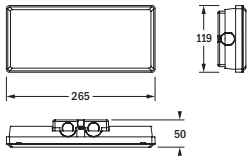
Set of escape sign foils, included in scope of delivery – 18584

Set flat / high mounting adapter, included in scope of delivery – 18589

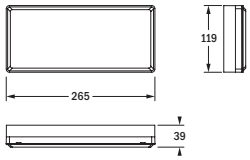
Frame bezel (as design element), included in scope of delivery – 18598



Surface wall and ceiling mounting, flat mounting adapter, without 18598



Surface wall and ceiling mounting, high mounting adapter, without 18598



Surface wall and ceiling mounting, flat mounting adapter, with 18598

Cutout: 290 - 310 mm x 120 mm (18586)

Recessed wall and ceiling mounting, hollow, flat / high mounting adapter

Included in scope of delivery

Order code		Description
VD 20 m	VD 26 m	
18584	–	Set of escape sign foils
18589	18589	Set with flat and high mounting adapter
18598	18598	Frame bezel, polycarbonate, white (as design element)

Please order escape sign accessories separately

Order code		Description
VD 20 m	VD 26 m	
18595	–	Escape sign cover (one-sided)
18594	–	Escape sign cover (one-sided)
18593	–	Escape sign cover (one-sided)
18596	–	Escape sign cover (one-sided)
–	18583	Escape sign cover (two-sided)
–	18581	Escape sign cover (two-sided)
–	18582	Escape sign cover (two-sided)
	4129	Escape sign display pane (two-sided)
	4127	Escape sign display pane (two-sided)
	4128	Escape sign display pane (two-sided)

Please order accessories separately

Order code		Description
EW 20 m	EW 26 m	
3723	3723	Lug set for chain and wire mounting
18590	–	Bracket, sheet steel, galvanized, white, 45° luminaire tilt, not adjustable, only for illumination
18585	18585	Bracket, sheet steel, galvanized, white, for escape route indication and illumination
18587	18587	Mounting angles for light band mounting
4319	4319	Adapter (electrical) for light band mounting, 3-phase
18597	–	Cover, stainless sheet steel, for wall mounting with installation in exterior area as additional protection against rain
18580	18580	IP42 recessed mounting set for massive walls and massive ceilings (concrete-cast housing), including frame bezel, white (overpaintable), only for flat mounting adapter
18599	18599	IP65 upgrade set for 18580, including frame bezel, white (overpaintable), only for high mounting adapter
18586	18586	Recessed mounting set for hollow walls and hollow ceilings, including frame bezel, white (overpaintable)
15056	15056	Logica interface, only for LIFE
15057	15057	Logica FM interface, only for LIFE
15058	15058	DALI interface, only for LIFE (for connection to DALI central of the general and safety lighting)
18591	–	Protective basket (only for surface wall or ceiling mounting without two-sided escape sign cover / escape sign display pane)
15059	15059	S24 conversion set with high mounting adapter, only for S24
15060	15060	S230 conversion set with high mounting adapter, only for S230
RA11	RA11	Subsidiary battery LIFE 3.2 V / 1.5 Ah for 18741 und 18751

TYPE OF PROTECTION (IP)

achieved type of protection	used mounting adapter	accomplished installation without accessories
IP40	flat	sideward breakable entries (2x 15x7 mm and 2x 15x10 mm) used
IP40	flat	backward drillable entries (2x max. 10 mm Ø) used
IP65	flat	backward entries (2x M16) with respective gaskets used
IP65	high	sideward entries (6x M20) or backward entries (2x M20) with respective cable glands used
achieved type of protection	**used mounting adapter**	**accomplished installation with accessories**
IP20[7]	flat	4319
IP65[7]	flat	3723 / 18590 / 18585 / 18587 / 18580 / 18586
IP65	high	3723 / 18590 / 18597 / 18580 together with 18599 / 18586 / 15059 / 15060
achieved type of protection	**used mounting adapter**	**accomplished installation with escape sign accessories**
IP65[7]	flat	18595, 18594, 18593, 18596 / 18583, 18581, 18582 / 4129, 4127, 4128
IP65	high	18595, 18594, 18593, 18596 / 18583, 18581, 18582 / 4129, 4127, 4128

KUBUS

Housing made of flat sheet steel profiles with angular contours.
Available as escape sign luminaire or safety luminaire. High-power LED with light guidance through special lenses for asymmetrical light distribution (illumination of escape routes with 1 lx) or symmetrical light distribution (illumination of areas with 0.5 lx) for safety luminaire. 1 or 2-sided escape route indication through exchangeable panes with additional light outlet downwards for surface wall mounting for escape sign luminaire.

Escape sign luminaire: Versions for surface wall mounting and with additional accessories for pendulum, bracket and chain/wire

Safety luminaire: Versions for surface wall and ceiling mounting

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Sheet steel, white (RAL 9003)	**Color temperature:**	4.000 K (ESL & SL)
Pane:	PMMA, printed (escape sign luminaire) PMMA, transparent (safety luminaire)	**Color rendering index:**	80 (ESL) 70 (SL)
Service life $L_{80}B_{20}$:	50.000 h	**Optic interface:**	LIFE
Color stability:	3 SDCM		

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V / 50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

Mains supply:	198 V – 254 V / 50Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

Variant	Area 3.5 m	Area 7 m	Escape route
LIFE – safety luminaire	227 lm	223 lm	220 lm
Sicuro24 / Sicuro230 – safety luminaire	302 lm	297 lm	294 lm

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Escape sign luminaire, surface wall mounting (1-sided escape route indication)									
37012	**37013**	**37014**	21 m	24	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
37015	**37016**	**37017**	34 m	48	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
37018	**37019**	**37020**	56 m	48	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
Escape sign luminaire, pendulum mounting adaptor (2-sided escape route indication)[1]									
37021	**37022**	**37023**	21 m	24	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
37024	**37025**	**37026**	34 m	48	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
37027	**37028**	**37029**	56 m	48	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
Safety luminaire, surface wall mounting, surface ceiling mounting with 3 changeable lenses (escape route illumination / area illumination)									
37030	**37031**	**37032**	–	1	**Escape route** 294 lm **Area 3.5 m / 7 m** 302 lm / 297 lm	**Escape route** 170 lm **Area 3.5 m / 7 m** 173 lm / 171 lm	**Escape route** 58 lm **Area 3.5 m / 7 m** 60 lm / 60 lm	LIFE 6.4 V / 1.5 Ah	8 VA

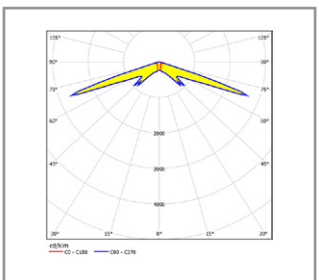
SICURO 24 DECENTRAL SUPPLY

Sicuro24 Order code		LED	Φ=	P=
Escape sign luminaire, surface wall mounting (1-sided escape route indication)				
32004	21 m	24	–	2.2 W
32005	34 m	48	–	4.3 W
32006	56 m	48	–	4.3 W
Escape sign luminaire, pendulum mounting adaptor (2-sided escape route indication)[1]				
32007	21 m	24	–	2.2 W
32008	34 m	48	–	4.3 W
32009	56 m	48	–	4.3 W
Safety luminaire, surface wall mounting, surface ceiling mounting with 3 changeable lenses (escape route illumination / area illumination)				
32010	–	1	**Escape route** 294 lm **Area 3.5 m / 7 m** 302 lm / 297 lm	3.8 W

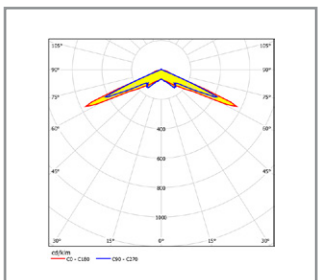
SICURO 230 CENTRAL SUPPLY

Sicuro230 Order code		LED	Φ=	S~	P=
Escape sign luminaire, surface wall mounting (1-sided escape route indication)					
31004	21 m	24	–	5.8 VA / 2.5 W	
31005	34 m	48	–	9.4 VA / 4.7 W	
31006	56 m	48	–	9.4 VA / 4.7 W	
Escape sign luminaire, pendulum mounting adaptor (2-sided escape route indication)[1]					
31007	21 m	24	–	5.8 VA / 2.5 W	
31008	34 m	48	–	9.4 VA / 4.7 W	
31009	56 m	48	–	9.4 VA / 4.7 W	
Safety luminaire, surface wall mounting, surface ceiling mounting with 3 changeable lenses (escape route illumination / area illumination)					
31010	–	1	**Escape route** 294 lm **Area 3.5 m / 7 m** 302 lm / 297 lm	8.3 VA / 4.1 W	

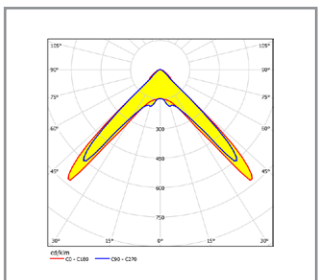
[1] Please order additional required accessories for pendulum, bracket and chain/wire separately.



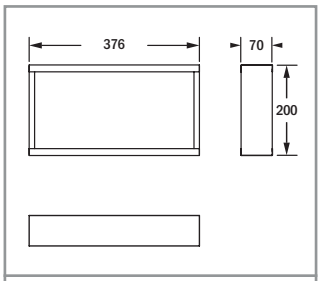
Asymmetric wide-beam



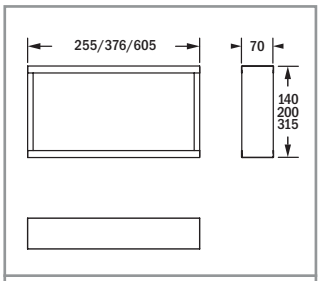
Symmetric wide-beam up to 3.5 m



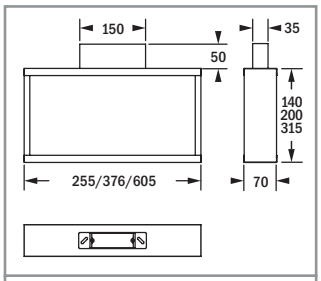
Symmetric wide-beam up to 7 m



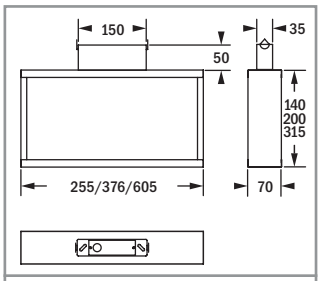
Surface wall and ceiling mounting (SL)



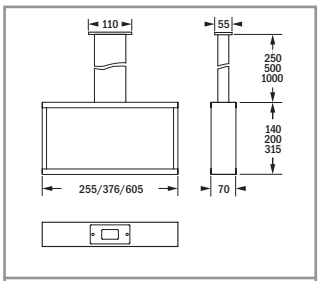
Surface wall mounting (ESL)



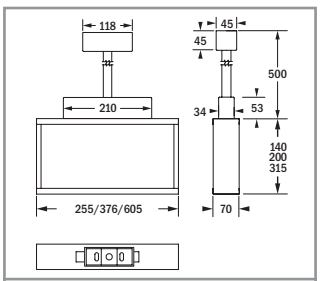
Short pendulum, ceiling (ESL)



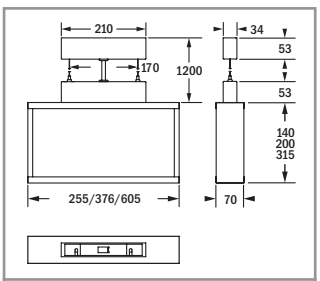
Short pendulum, chain/wire (ESL)



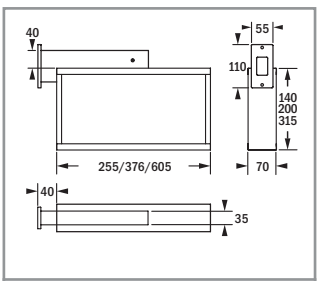
Tubular pendulum, angular (ESL)



Tubular pendulum, round (ESL)



Wire pendulum (ESL)



Bracket (ESL)

Rev.-No. S2024-02

Mounting type short pendulum, ceiling – F95057

Light outlet downwards for surface wall mounting, escape sign luminaire

Included in scope of delivery (safety luminaire)

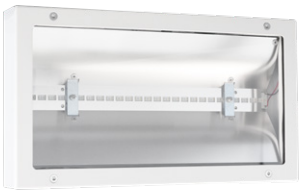
Order code	Description
–	Symmetrical wide-beam lens for mounting height 3.5 m
–	Symmetrical wide-beam lens for mounting height 7 m
–	Asymmetrical wide-beam lens

Please order escape sign accessories separately

Order code			Description	
VD 21 m	VD 34 m	VD 56 m		
E16604M	E16608M	E16134M	Escape sign pane	
E16605M	E16609M	E16135M	Escape sign pane	
E16606M	E16610M	E16136M	Escape sign pane	
E16616M	E16617M	E16618M	Escape sign pane	
E16620M	E16640M	E16645M	Escape sign pane	
E16622M	E16642M	E16647M	Escape sign pane	
E16621M	E16641M	E16646M	Escape sign pane	
E16623M	E16643M	E16648M	Escape sign pane	
E16607	E16611	E16234	Pane, opal, PMMA	
E16242	E16241	E16251	Pane, white, sheet steel	

Please order accessories separately

Order code			Description
VD 21 m	VD 34 m	VD 56 m	
F95057	F95057	F95057	Short pendulum for ceiling mounting
F95600	F95600	F95600	Tubular pendulum, angular, 250 mm
F95601	F95601	F95601	Tubular pendulum, angular, 500 mm
F95602	F95602	F95602	Tubular pendulum, angular, 1.000 mm
F95400	F95400	F95400	Tubular pendulum, round, 500 mm
F95401	F95401	F95401	Wire pendulum, max. 1.200 mm
F95055	F95056	F95070	Bracket
F95067	F95067	F95067	Short pendulum for chain mounting and wire mounting
F95032K	F95032K	–	Protective basket (only for surface wall mounting without pendulum, bracket)



KUBUS65

Variable escape sign and safety luminaire in high type of protection.
Housing made of sheet steel or stainless sheet steel with clear cover. Light guidance through high-specular aluminium reflector 1- or 2-sided escape route indication through self-adhesive foils. All (1-sided) luminaires for surface wall mounting / surface ceiling mounting are suitable for the use in sport sites as well as in the food industry according to IFS-Food (certificates of accredited body available).

Escape sign luminaire: Versions for surface wall mounting and with additional accessories for pendulum and bracket

Safety luminaire: Versions for surface wall and ceiling mounting

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Sheet steel, white (RAL 9003) Stainless sheet steel, V2A
Cover:	PMMA, transparent
Foil:	PVC, printed
Reflector:	Aluminium, specular
Service life $L_{80}B_{20}$:	50.000 h

Color stability:	3 SDCM
Color temperature:	4.000 K (ESL & SL)
Color rendering index:	80
Optic interface:	LIFE

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V / 50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

Mains supply:	198 V – 254 V / 50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

Variant	Φ~
LIFE – used as safety luminaire	210 lm
Sicuro24 / Sicuro230 – used as safety luminaire	350 lm

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code	Version		LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (illumination)										
37060	**37061**	**37062**	white[2]	32 m	48	336 lm	168 lm	67 lm	LIFE 6.4 V / 1.5 Ah	8 VA
37066	**37067**	**37068**	V2A	32 m	48	336 lm	168 lm	67 lm	LIFE 6.4 V / 1.5 Ah	8 VA
Pendulum mounting adaptor (2-sided escape route indication)[1]										
37063	**37064**	**37065**	white[2]	32 m	48	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
37069	**37070**	**37071**	V2A	32 m	48	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA

SICURO DECENTRAL SUPPLY

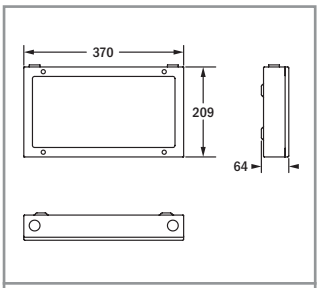
Sicuro24 Order code	Version		LED	Φ=	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (illumination)					
32020	white[2]	32 m	48	350 lm	4.3 W
32022	V2A	32 m	48	350 lm	4.3 W
Pendulum mounting adaptor (2-sided escape route indication)[1]					
32021	white[2]	32 m	48	–	4.3 W
32023	V2A	32 m	48	–	4.3 W

SICURO CENTRAL SUPPLY

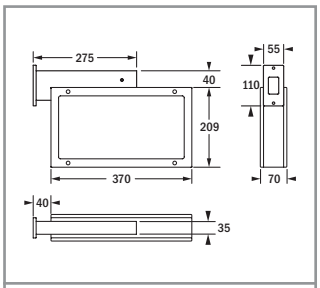
Sicuro230 Order code	Version		LED	Φ=	S~	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (illumination)						
31020	white[2]	32 m	48	350 lm	9.4 VA / 4.7 W	
31022	V2A	32 m	48	350 lm	9.4 VA / 4.7 W	
Pendulum mounting adaptor (2-sided escape route indication)[1]						
31021	white[2]	32 m	48	–	9.4 VA / 4.7 W	
31023	V2A	32 m	48	–	9.4 VA / 4.7 W	

[1] Please order additional accessories for pendulum and bracket separately. Luminaires with pendulum mounting adaptor are required for all types of pendulums as well as the bracket.

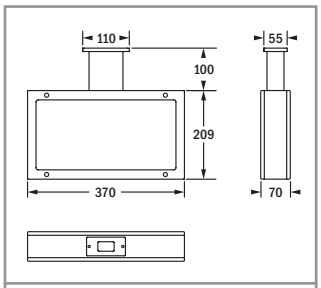
[2] Version white only suitable for the interior area.



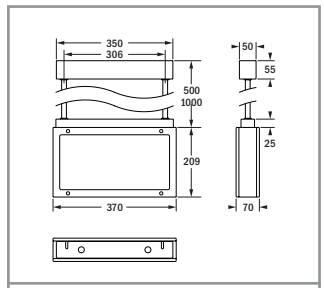
Surface wall and ceiling mounting



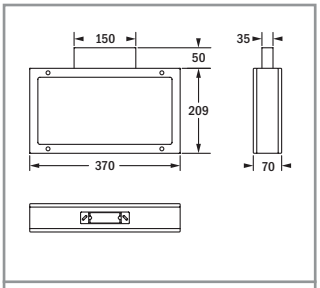
Bracket



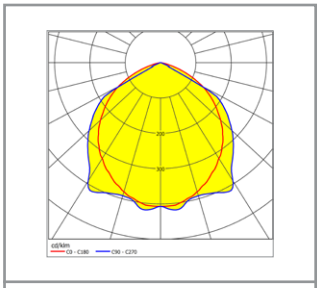
Tubular pendulum, angular



Tubular pendulum, round



Short pendulum, ceiling



Light distribution curve

Please order escape sign accessories separately

Order code	Description
E16700M	Set of escape sign foils
E16701M	Set of escape sign foils
E16708M	Escape sign foil
E16709M	Escape sign foil
E16788M	Escape sign foil
E16789M	Escape sign foil

Please order accessories separately

Order code White	Order code V2A	Description
F95612	**F95613**	Short pendulum for ceiling mounting
F95603	**F95608**	Tubular pendulum, angular, 100 mm
F95604	**F95609**	Tubular pendulum, round, 500 mm
F95605	**F95610**	Tubular pendulum, round, 1.000 mm
F95606	**F95611**	Bracket
F95607	**F95607**	Protective basket (only for surface wall or ceiling mounting without pendulum, bracket)

ALU-K

Housing made of flat aluminium profiles with angular contours.
Available as escape sign luminaire or safety luminaire. High-power LED with light guidance through special lenses for asymmetrical light distribution (illumination of escape routes with 1 lx) or for symmetrical light distribution (illumination of areas with 0.5 lx) for safety luminaire. 1 or 2-sided escape route indication through exchangeable panes with additional light outlet downwards for surface wall mounting for escape sign luminaire.

Escape sign luminaire: Versions for surface wall mounting and with additional accessories for pendulum and bracket

Safety luminaire: Versions for surface wall and ceiling mounting

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Aluminium, anodized, grey	**Color temperature:**	4.000 K (ESL & SL)
Pane:	PMMA, printed (escape sign luminaire) PMMA, transparent (safety luminaire)	**Color rendering index:**	80 (ESL) 70 (SL)
Reflector:	Aluminium, specular	**Optic interface:**	LIFE
Service life $L_{80}B_{20}$:	50.000 h		
Color stability:	3 SDCM		

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

Variant	Φ~ Area 3.5 m	Φ~ Area 7 m	Φ~ Escape route
LIFE – safety luminaire	227 lm	223 lm	220 lm
Sicuro24 / Sicuro230 – safety luminaire	302 lm	297 lm	294 lm

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall mounting (1-sided escape route indication)									
37033	**37034**	**37035**	24 m	24	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
37036	**37037**	**37038**	30 m	32	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
37039	**37040**	**37041**	53 m	48	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
Pendulum mounting adaptor (2-sided escape route indication)[1]									
37042	**37043**	**37044**	24 m	24	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
37045	**37046**	**37047**	30 m	32	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
37048	**37049**	**37050**	53 m	48	–	–	–	LIFE 6.4 V / 1.5 Ah	8 VA
Surface wall mounting, surface ceiling mounting with 3 changeable lenses (escape route illumination / area illumination)									
37051	**37052**	**37053**	–	1	**Escape route** 294 lm **Area 3.5 m / 7 m** 302 lm / 297 lm	**Escape route** 170 lm **Area 3.5 m / 7 m** 173 lm / 171 lm	**Escape route** 58 lm **Area 3.5 m / 7 m** 60 lm / 60 lm	LIFE 6.4 V / 1.5 Ah	8 VA

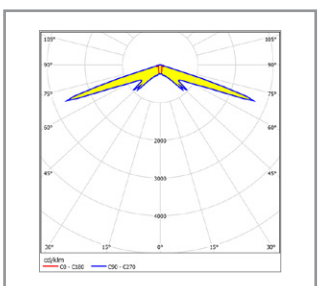
SICURO DECENTRAL SUPPLY

Sicuro24 Order code		LED	Φ=	P=
Surface wall mounting (1-sided escape route indication)				
32011	24 m	24	–	2.2 W
32012	30 m	32	–	2.9 W
32013	53 m	48	–	4.3 W
Pendulum mounting adaptor (2-sided escape route indication)[1]				
32014	24 m	24	–	2.2 W
32015	30 m	32	–	2.9 W
32016	53 m	48	–	4.3 W
Surface wall mounting, surface ceiling mounting with 3 changeable lenses (escape route illumination / area illumination)				
32017	–	1	**Escape route** 294 lm **Area 3.5 m / 7 m** 302 lm / 297 lm	3.8 W

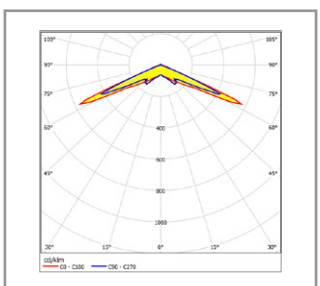
SICURO CENTRAL SUPPLY

Sicuro230 Order code		LED	Φ=	S~	P=
Surface wall mounting (1-sided escape route indication)					
31011	24 m	24	–	5.8 VA / 2.5 W	
31012	30 m	32	–	7.4 VA / 3.5 W	
31013	53 m	48	–	9.4 VA / 4.7 W	
Pendulum mounting adaptor (2-sided escape route indication)[1]					
31014	24 m	24	–	5.8 VA / 2.5 W	
31015	30 m	32	–	7.4 VA / 3.5 W	
31016	53 m	48	–	9.4 VA / 4.7 W	
Surface wall mounting, surface ceiling mounting with 3 changeable lenses (escape route illumination / area illumination)					
31017	–	1	**Escape route** 294 lm **Area 3.5 m / 7 m** 302 lm / 297 lm	8.3VA / 4.1 W	

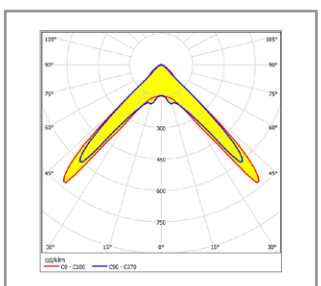
[1] Please order additional required accessories for pendulum and bracket separately. Luminaires with pendulum mounting adaptor are required for all types of pendulums as well as the bracket.



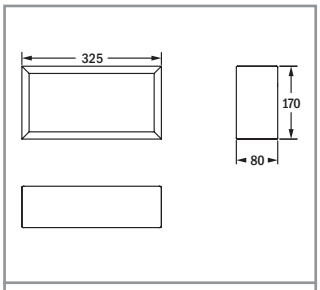
Asymmetric wide-beam



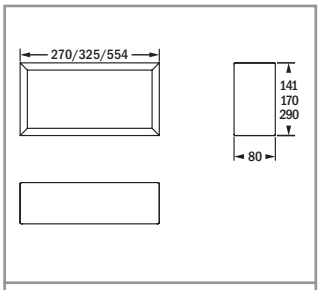
Symmetric wide-beam up to 3.5 m



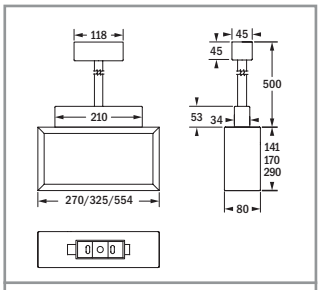
Symmetric wide-beam up to 7 m



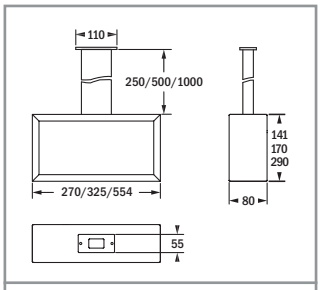
Surface wall and ceiling mounting (SL)



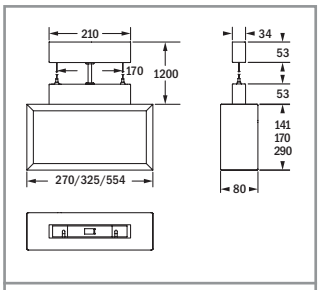
Surface wall mounting (ESL)



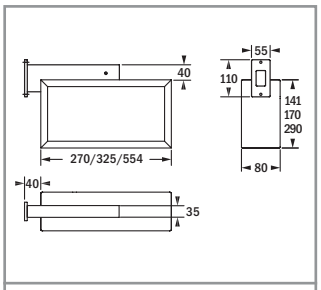
Tubular pendulum, round (ESL)



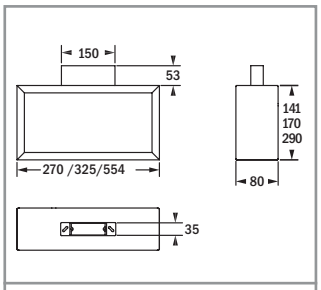
Tubular pendulum, angular (ESL)



Wire pendulum (ESL)



Bracket (ESL)



Short pendulum, ceiling (ESL)

Rev.-No. S2024-02

Mounting type short pendulum, ceiling – F95717

Included in scope of delivery (safety luminaire)	
Order code	**Description**
–	Symmetrical wide-beam lens for mounting height 3.5 m
–	Symmetrical wide-beam lens for mounting height 7 m
–	Asymmetrical wide-beam lens

Please order escape sign accessories separately

Order code			Description	
VD 24 m	**VD 30 m**	**VD 53 m**		
E16710M	**E16715M**	**E16720M**	Escape sign pane	
E16711M	**E16716M**	**E16721M**	Escape sign pane	
E16712M	**E16717M**	**E16722M**	Escape sign pane	
E16713	**E16718**	**E16723**	Pane, opal, PMMA	
E16714	**E16719**	**E16724**	Pane, grey, PMMA	
E16733M	**E16725M**	–	Escape sign pane	
E16734M	**E16726M**	–	Escape sign pane	
E16735M	**E16727M**	–	Escape sign pane	
E16736M	**E16728M**	–	Escape sign pane	
E16729M	**E16730M**	**E16731M**	Escape sign pane	
–	**E16442**	–	F001 safety sign pane fire extinguisher	
–	**E16443**	–	F002 safety sign pane extinguishing hose	
–	**E16444**	–	F005 safety sign pane fire detector	

Please order accessories separately

Order code			Description
VD 24 m	**VD 30 m**	**VD 53 m**	
F95717	**F95717**	**F95717**	Short pendulum for ceiling mounting[2]
F95718	**F95718**	**F95718**	Tubular pendulum, angular, 250 mm[2]
F95719	**F95719**	**F95719**	Tubular pendulum, angular, 500 mm[2]
F95720	**F95720**	**F95720**	Tubular pendulum, angular, 1.000 mm[2]
F95722	**F95722**	**F95722**	Tubular pendulum, round, 500 mm[2]
F95723	**F95723**	**F95723**	Wire pendulum, max. 1.200 mm[2]
F95714	**F95721**	**F95729**	Bracket[2]
–	**F95724**	–	Protective basket (only for surface wall or ceiling mounting without pendulum, bracket)

[2] Sheet steel, aluminium grey

ACCIAIO EM

High type of protection and high impact resistance. Housing made of galvanised sheet steel, caps made of plastic, pane made of tempered glass. Caps and pane tightly coupled with the housing. Light guidance through high-high-specular aluminium reflector. 1 or 2-sided escape route indication through exchangeable display panes. Explosion-protected for zone 2 (II 3G Ex nA IIB T4) and Zone 22 (II 3D Ex tD A22 T100).

Extremely resistant against mechanical and chemical stress.

Versions for surface wall and ceiling mounting and chain/wire, including swivelable wall holder

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Sheet steel, galvanized, grey (RAL 7035)
Caps:	Polycarbonate / polybutylenterephthalate, grey (RAL 7035)
Pane:	Tempered glass, structured
Display pane:	PMMA (display pane) Polycarbonate (foil, printed)
Reflector:	Aluminium, specular

Service life $L_{80}B_{20}$:	50.000 h
Color stability:	3 SDCM
Color temperature:	4.000 K
Color rendering index:	80
Optic interface:	LIFE

Commissioning - LIFE: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained or non-maintained
Ambient temperature:	LIFE: -10 °C to +45 °C LIFE ECO: 0 °C to +40 °C
Protection class:	I

DECENTRAL SUPPLY

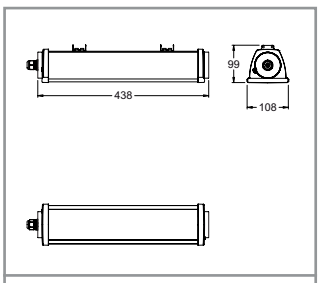
Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III with connection only to low voltage, I with additional connection to voltages above low voltage

CENTRAL SUPPLY

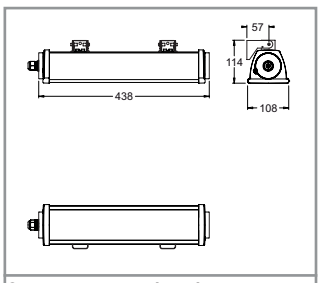
Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz[6]
Battery supply (alt.):	90 V – 276 V[6]

[6] For order code 31054

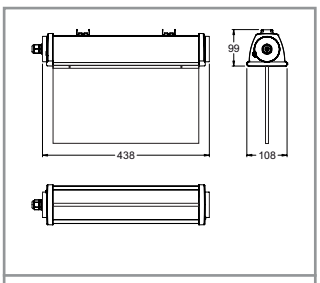
Variant	Order code	Φ~
LIFE	**15030**	220 lm
LIFE ECO	**15032**	–
Sicuro24 / Sicuro230	**32055 / 31054**	510 lm
Sicuro24	**32092**	–
Sicuro230	**31053 / 17452**	1.800 lm



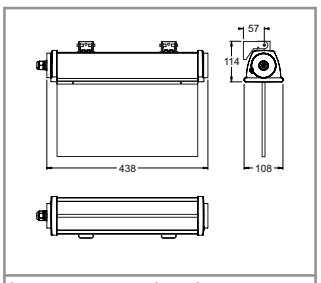
Surface wall and ceiling mounting, chain/wire



Surface wall mounting with wall holder, swiveable



Surface ceiling mounting, chain/wire, display pane



Surface wall mounting with wall holder, swiveable, display pane

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting, chain/wire (2-sided escape route indication / illumination)									
15030	**15030+15036**[5]	**15030+15049**[5]	38 m	32	400 lm	150 lm	70 lm	LIFE 6.4 V / 1.5 Ah	8 VA

LIFE ECO SELF-CONTAINED SUPPLY

5 YEARS GUARANTEE

Autotest Order code	Logica Order code	Logica FM Order code		LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting, chain/wire (2-sided escape route indication / illumination)									
15032[1]	**15032**[1]	**15032**[1]**+19375**[6]	38 m	32	1500 lm	500 lm	200 lm	LIFE 12.8 V / 1.5 Ah	11.4 VA

SICURO DECENTRAL SUPPLY

Sicuro24 Order code		LED	Φ=	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting, chain/wire (2-sided escape route indication / illumination)				
32055	38 m	32	510 lm	4.3 W
32092[2]	38 m	32	900 lm	8 W
			1.800 lm	16 W

SICURO CENTRAL SUPPLY

Sicuro230 Order code		LED	Φ=	S~	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting, chain/wire (2-sided escape route indication / illumination) **with luminaire monitoring (EÜ)**					
31054	38 m	32	510 lm	9.4 VA / 4.7 W	
31053[3]	38 m	32	1.800 lm	19.6 VA / 14.8 W	
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting, chain/wire (2-sided escape route indication / illumination) **with circuit monitoring (SÜ)**					
17452[4]	38 m	32	1.800 lm	17.4 VA / 14.2 W	

[1] With LIFE ECO inverter module 19391, only for non-maintained mode.

[2] With S24 inverter module G31446, only for non-maintained mode, light flux / power programmable over S24 station. Luminaire only suitable for illumination.

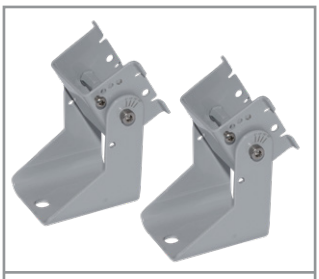
[3] With S230 inverter module 17381 (in LED driver function).

[4] With LED driver.

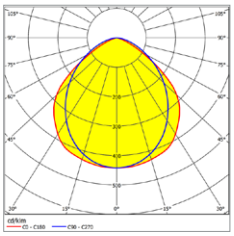
[5] Please order Logica interface (15036) and Logica FM interface (15049) separately.

[6] Please order Logica FM interface (19375) separately.

[7] 1 piece per luminaire required.



Wall holder, included in scope of delivery – 20122



Light distribution curve

Please order accessories separately	
Order code	**Description**
15036	Logica interface for LIFE
15049	Logica FM interface for LIFE (IP65, luminaire attachment)
19375	Logica FM interface for LIFE ECO
15038	DALI interface for LIFE (for connection to DALI central of the general and safety lighting)

Please order escape sign accessories separately		
Order code	**Description**	
19064	Set of escape sign display panes	

Incldued in scope of delivery	
Order code	**Description**
20122[7]	Wall holder, swiveable (+45°)

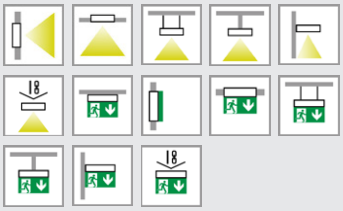
FORMULA65

High type of protection. Housing with convex shaped light outlet area and clear cover with click-closures. Light guidance through plastic reflector. 1-sided escape route indication (viewing distance 25 m) through self-adhesive escape sign foils, 2-sided escape route indication (viewing distance 30 m) through escape sign display pane.

Versions for surface wall and ceiling mounting and with additional accessories for recessed wall mounting, recessed ceiling mounting, pendulum, bracket and chain/wire

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES



TECHNICAL DATA

Housing:	Polycarbonate, white (RAL 9003)	**Service life $L_{80}B_{50}$:**	50.000 h
Cover:	Polycarbonate, transparent	**Color stability:**	3 SDCM
Display pane:	PMMA (pane, transparent) / Polycarbonate (foil, printed)	**Color temperature:**	4.000 K
Foil:	PVC, printed	**Color rendering index:**	80
Reflector:	Polycarbonate, white	**Optic interface:**	Freezer for LIFE, LIFE
Type of protection:	IP65 (luminaire) IP20 (external equipment housing)		

Commissioning: Freezer for LIFE:
For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.
LIFE:
For Autotest, operating duration 8h, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	
LIFE:	-10 °C to +45 °C
LIFE ECO:	0 °C to +40 °C
LIFE - Freezer:	-40 °C to +45 °C (luminaire) -10 °C to +45 °C (equipment housing)
Protection class:	II

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III with connection only to low voltage, II with additional connection to voltages above low voltage

CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	II
Mains supply (alt.):	90 V – 254 V / 50/60 Hz[10]
Battery supply (alt.):	90 V – 276 V[10]

[10] For order code 31124

Variant	Order code	Φ~
LIFE ECO / LIFE	**R2436SA / 37093 / 37094 / 37095 / 19296**	250 lm
LIFE ECO / LIFE	**19433 / 19435**	500 lm
Sicuro24 / Sicuro230	**32094 / 31124**	400 lm
Sicuro230	**31125**	600 lm
Sicuro230	**31150**	1.000 lm
Sicuro24 / Sicuro230	**32091 / 31122**	1.600 lm

Version Freezer for LIFE
Freezer = light flux of 250 lm in mains operation. Factory-made with external equipment housing, which contains the battery and the LIFE driver module.

Version ULTIMATE LS-UV for Sicuro24
ULTIMATE = particularly high light flux of 1600 lm in mains operation. Factory-made with light switch query (LS) and sub distribution monitoring (UV) through S24 inverter module G31446 in combination with a LED driver.

Version LS-UV for Sicuro230
Factory-made with light switch query (LS) and sub distribution monitoring (UV) through S230 module 17382 in combination with a LED driver.

Version ULTIMATE LS-UV for Sicuro230
ULTIMATE = particularly high light flux of 1600 lm in mains and battery operation. Factory-made with light switch query (LS) and sub distribution monitoring (UV) through S230 module 17382 in combination with a LED driver.

Rev.-No. S2024-03

LIFE SELF-CONTAINED SUPPLY - VERSION FREEZER WITH EXTERNAL EQUIPMENT HOUSING

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	Φ= 1h	Φ= 3h	Φ= 8h		S~
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]									
37093[10]	**37094**[10]	**37095**[10]	25 m	32	400 lm	200 lm	80 lm	LIFE 6.4 V / 1.5 Ah	8 VA

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	Φ= 1h	Φ= 3h	Φ= 8h		S~
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]									
19296	**19296+15036**[2]	**19296+15037**[3]	25 m	32	1.000 lm	400 lm	170 lm	2x LIFE 6.4 V / 1.5 Ah	34.8 VA
19435	**19435+15036**[2]	**19435+15037**[3]	25 m	32	1.500 / 2.200[4] lm	550 / 900[4] lm	190 / 340[4] lm	LIFE 9.6 V / 1.5 Ah	40 VA

LIFE ECO SELF-CONTAINED SUPPLY

5 YEARS GUARANTEE

Autotest Order code		LED	Φ= 1h	Φ= 3h	Φ= 8h		S~
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]							
R2436SA	25 m	32	700 lm	240 lm	100 lm	LIFE 3.2 V / 3 Ah	40 VA
19433	25 m	32	1.500 / 2.200[4] lm	550 / 900[4] lm	190 / 340[4] lm	LIFE 9.6 V / 1.5 Ah	40 VA

SICURO 24 LED DECENTRAL SUPPLY, DECENTRAL SUPPLY - VERSION ULTIMATE LS-UV

Sicuro24 Order code		LED	Φ=	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]				
32094[5]	25 m	32	400 lm	3.8 W
32091[6]	25 m	32	400 lm	4.3 W

SICURO 230 LED CENTRAL SUPPLY, CENTRAL SUPPLY - VERSIONS LS-UV & ULTIMATE LS-UV

Sicuro230 Order code		LED	Φ=	S~	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]					
31124[7]	25 m	32	400 lm	8.5 VA / 4.1 W	
31125[8]	25 m	32	600 lm	8.1 VA / 6.4 W	
31150[8]	25 m	32	1.000 lm	12 VA / 10.4 W	
31122[9]	25 m	32	1.600 lm	15.9 VA / 15 W	

[1] Please order additional required accessories for recessed wall and ceiling mounting, pendulum, bracket and chain/wire separately. The pendulum mounting adaptors are needed for all types of pendulums, but not for the bracket.

[2] Please order Logica interface (15036) separately.

[3] Please order Logica FM interface (15037) separately.

[4] Light flux with subsidiary battery. Please order subsidiary battery separately.

[5] With S24 driver module G31445.

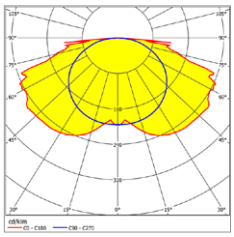
[6] Version Ultimate LS-UV (light switch query and sub distribution monitoring) with S24 inverter module G31446 and LED driver.

[7] With S230 driver module 17380.

[8] Version LS-UV (light switch query and sub distribution monitoring) with S230 module 17382 and LED driver.

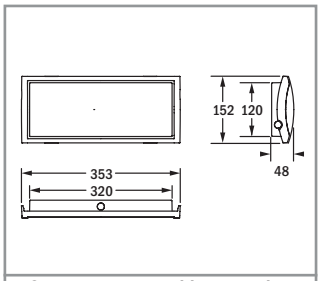
[9] Version Ultimate LS-UV (light switch query and sub distribution monitoring) with S230 module 17382 and LED driver.

[10] Version Freezer with battery and LIFE driver module in external equipment housing. Luminaire for use in rooms with particularly low ambient temperature.

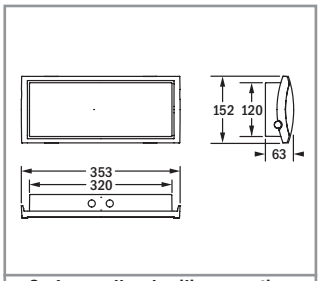


Light distribution curve

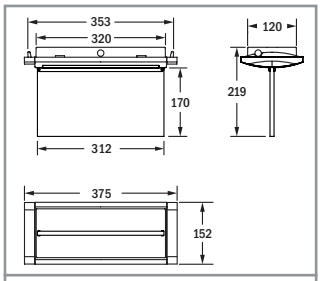
Easy mounting with integrated water level



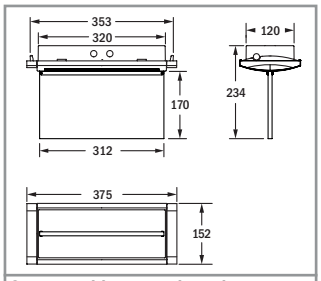
Surface wall and ceiling mounting
(37093, 37094, 37095, 19296, R2436SA)



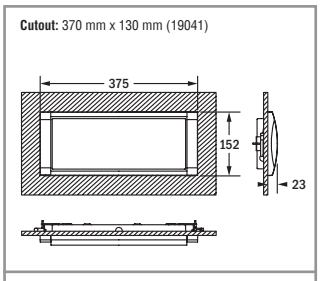
Surface wall and ceiling mounting
(19433, 19435, S24, S230)



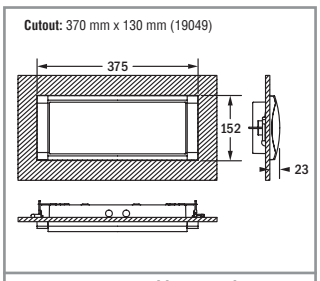
Surface ceiling mounting, display pane
(37093, 37094, 37095, 19296, R2436SA)



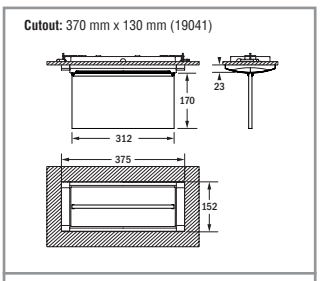
Surface ceiling mounting, display pane
(19433, 19435, S24, S230)



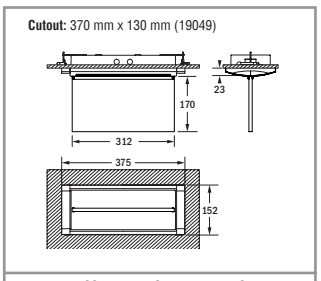
Recessed wall and ceiling mounting, hollow
(37093, 37094, 37095, 19296, R2436SA)



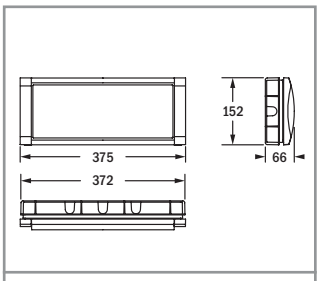
Recessed wall and ceiling mounting, hollow
(19433, 19435, S24, S230)



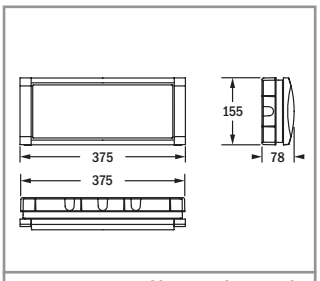
Recessed ceiling mounting, hollow, display pane
(37093, 37094, 37095, 19296, R2436SA)



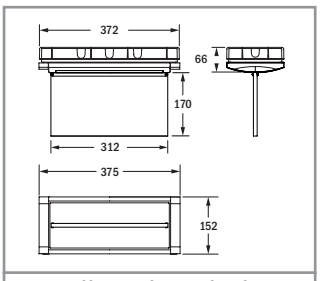
Recessed ceiling mounting, hollow, display pane
(19433, 19435, S24, S230)



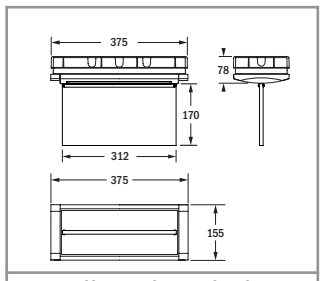
Recessed wall and ceiling mounting, massive
(37093, 37094, 37095, 19296, R2436SA)



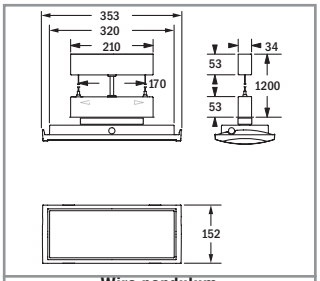
Recessed wall and ceiling mounting, massive
(19433, 19435, S24, S230)



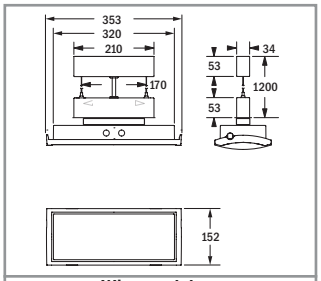
Recessed ceiling mounting, massive, display pane
(37093, 37094, 37095, 19296, R2436SA)



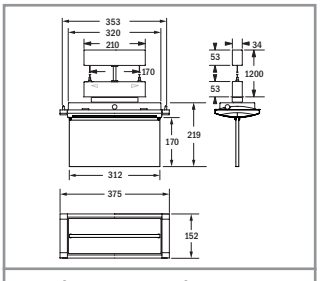
Recessed ceiling mounting, massive, display pane
(19433, 19435, S24, S230)



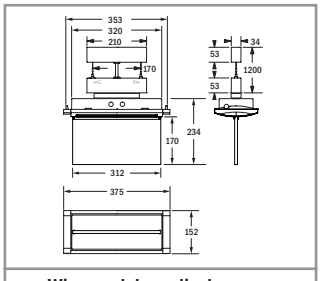
Wire pendulum
(37093, 37094, 37095, 19296, R2436SA)



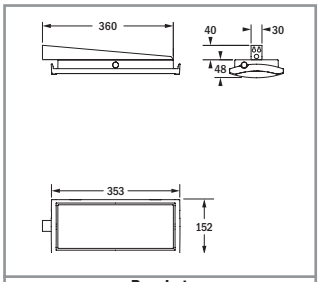
Wire pendulum
(19433, 19435, S24, S230)



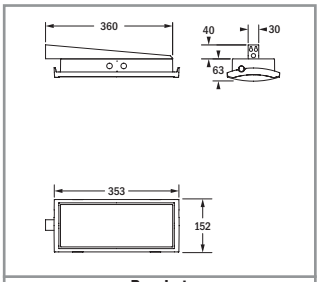
Wire pendulum, display pane
(37093, 37094, 37095, 19296, R2436SA)



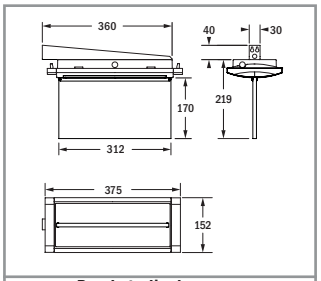
Wire pendulum, display pane
(19433, 19435, S24, S230)



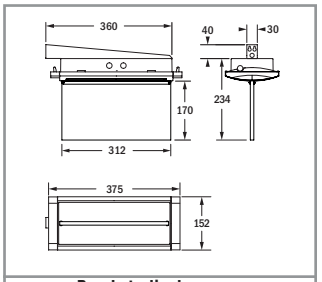
Bracket
(37093, 37094, 37095, 19296, R2436SA)



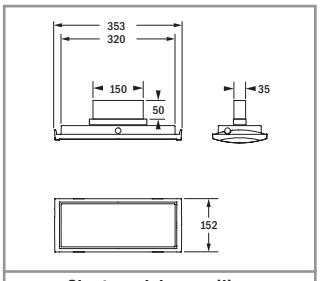
Bracket
(19433, 19435, S24, S230)



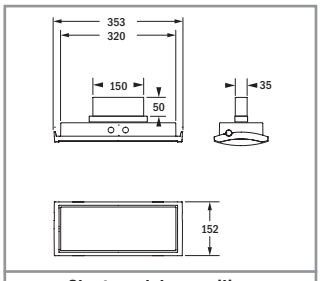
Bracket, display pane
(37093, 37094, 37095, 19296, R2436SA)



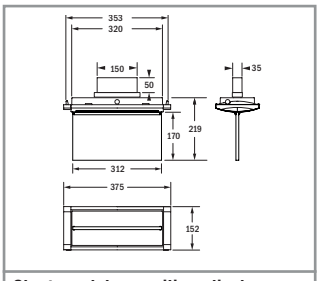
Bracket, display pane
(19433, 19435, S24, S230)



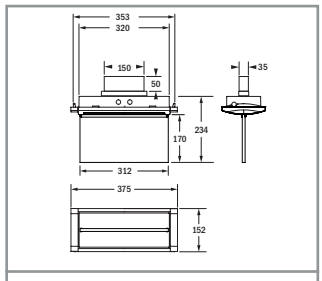
Short pendulum, ceiling
(37093, 37094, 37095, 19296, R2436SA)



Short pendulum, ceiling
(19433, 19435, S24, S230)

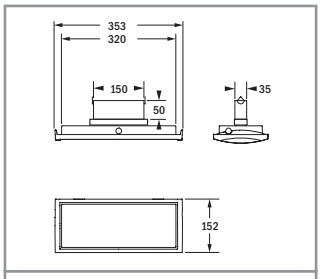


Short pendulum, ceiling, display pane
(37093, 37094, 37095, 19296, R2436SA)

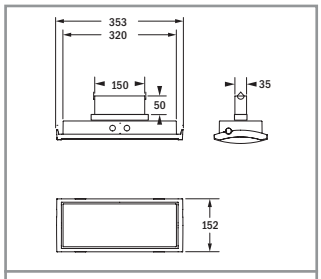


Short pendulum, ceiling, display pane
(19433, 19435, S24, S230)

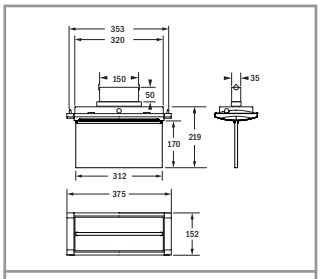
Rev.-No. S2024-03



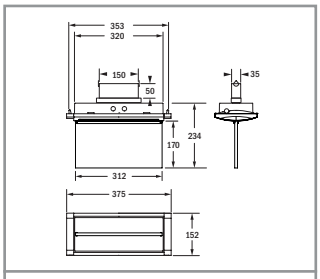
Short pendulum, chain/wire
(37093, 37094, 37095, 19296, R2436SA)



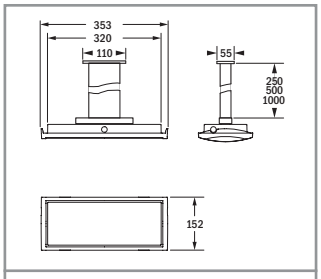
Short pendulum, chain/wire
(19433, 19435, S24, S230)



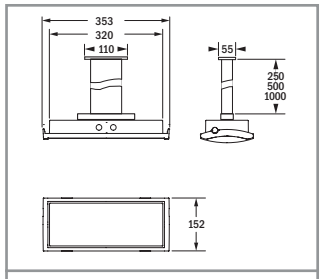
Short pendulum, chain/wire, display pane
(37093, 37094, 37095, 19296, R2436SA)



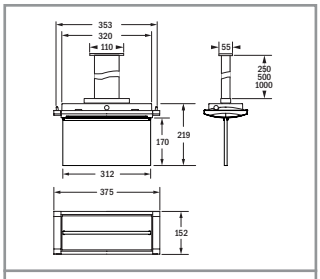
Short pendulum, chain/wire, display pane
(19433, 19435, S24, S230)



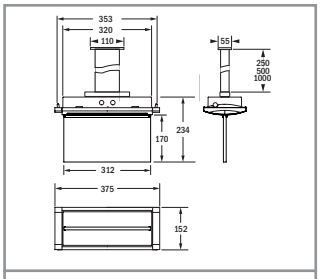
Tubular pendulum, angular
(37093, 37094, 37095, 19296, R2436SA)



Tubular pendulum, angular
(19433, 19435, S24, S230)

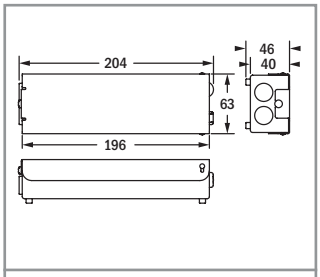


Tubular pendulum, angular, display pane
(37093, 37094, 37095, 19296, R2436SA)



Tubular pendulum, angular, display pane
(19433, 19435, S24, S230)

Mounting in massive walls (37093, 37094, 37095, 19296, R2436SA) – 19040



Equipment housing of
version Freezer

Mounting in hollow ceilings (37093, 37094, 37095, 19296, R2436SA) – 19041

Inclued in scope of delivery

Order code		Description
VD 25 m	VD 30 m	
19044		Set of escape sign foils

Please order escape sign accessories separately

Order code		Description
VD 25 m	VD 30 m	
29000		Escape sign foil
	E16040M-KIT-F65	Escape sign display pane
	E16041M-KIT-F65	Escape sign display pane
	E16042M-KIT-F65	Escape sign display pane
	E16043M-KIT-F65	Escape sign display pane
	E16045M-KIT-F65	Escape sign display pane
	19059	Set of escape sign display panes

Please order accessories separately

Order code		Description
VD 25 m	VD 30 m	
F95943	F95943	Pendulum mounting adaptor, for 37093, 37094, 37095, 19296, R2436SA
F95961	F95961	Pendulum mounting adaptor, for 19433, 19435, S24, S230
F95067	F95067	Short pendulum for chain and wire mounting
F95057	F95057	Short pendulum for ceiling mounting
F95600	F95600	Tubular pendulum, angular, 250 mm
F95601	F95601	Tubular pendulum, angular, 500 mm
F95602	F95602	Tubular pendulum, angular, 1.000 mm
F95401	F95401	Wire pendulum, max. 1.200 mm
19045	19045	Bracket
F95942	F95942	Cover for ceiling mounting with not fully closed ceilings as well as light band mounting
19040	19040	Recessed mounting set for massive walls and massive ceilings (concrete-cast housing), for 37093, 37094, 37095, 19296, R2436SA
19048	19048	Recessed mounting set for massive walls and massive ceilings (concrete-cast housing), for 19433, 19435, S24, S230
19041	19041	Recessed mounting set for hollow walls and hollow ceilings, for 37093, 37094, 37095, 19296, R2436SA
19049	19049	Recessed mounting set for hollow walls and hollow ceilings, for 19433, 19435, S24, S230
15036	15036	Logica interface for 19296 and 19435
15037	15037	Logica FM interface for 19296 and 19435
15038	15038	DALI interface for 19296 and 19435 (for connection to DALI central of the general and safety lighting)
3912	-	Protective basket (only for surface wall or ceiling mounting without escape sign display pane / short pendulum)
RA06	RA06	Subsidiary battery LIFE 9.6 V / 1.5 Ah for 19433 and 19435

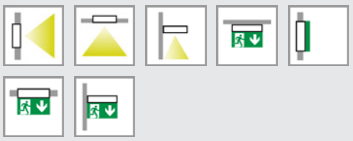
AESTETICA

Housing in compact design with plane light outlet area and clear cover. Light guidance through plastic reflector. 1-sided escape route indication through exchangeable escape sign foils, 2-sided escape route indication through exchangeable display panes.

Versions for surface wall and ceiling mounting or with additional accessories for recessed wall mounting, recessed ceiling mounting and bracket

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES



TECHNICAL DATA

Housing:	Polycarbonate, white (RAL 9003)	**Service life $L_{80}B_{20}$:**	50.000 h
Cover:	Polycarbonate, transparent	**Color stability:**	3 SDCM
Display pane / pane:	PMMA, printed	**Color temperature:**	6.000 K
Reflector:	Polycarbonate, white	**Color rendering index:**	80

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	II
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

Variant	Φ~
Sicuro24 / Sicuro230	120 lm

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DECENTRAL SUPPLY

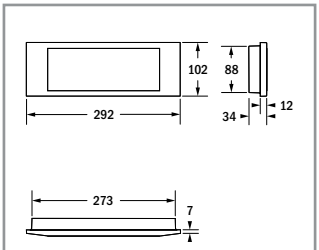
Sicuro24 Order code		LED	Φ=	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]				
32069	15 m	20	120 lm	1.7 W

CENTRAL SUPPLY

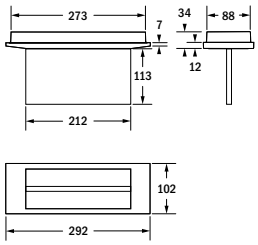
Sicuro230 Order code		LED	Φ=	S~	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]					
31098	15 m	20	120 lm	4.8 VA / 1.8 W	

[1] Please order additional required accessories for recessed wall and ceiling mounting and bracket separately.

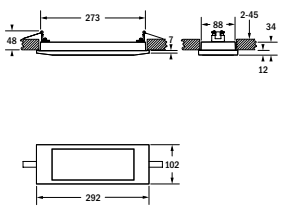
Surface ceiling mounting as safety luminaire



Surface wall and ceiling mounting

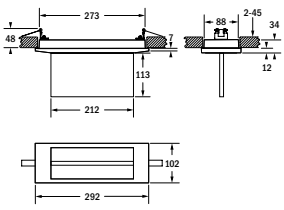


Surface ceiling mounting, display pane



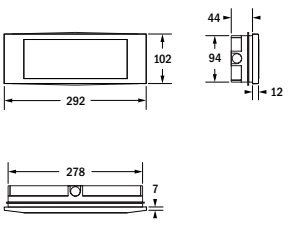
Cutout: 278 mm x 92 mm (4266)

Recessed wall and ceiling mounting, hollow

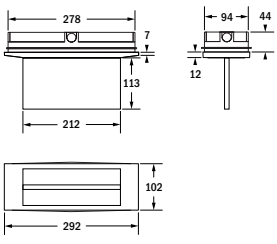


Cutout: 278 x 92 mm (4266)

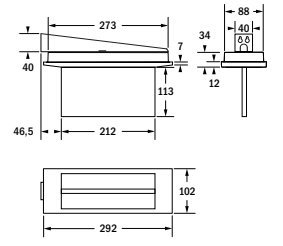
Recessed ceiling mounting, hollow, display pane



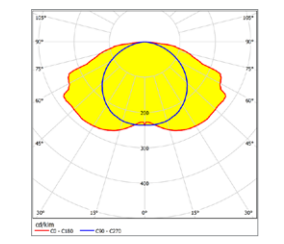
Recessed wall and ceiling mounting, massive



Recessed ceiling mounting, massive, display pane



Bracket, display pane



Light distribution curve

Please order escape sign accessories separately

Order code VD 15 m	Order code VD 20 m	Description
16235	–	Escape sign pane, wall
16236	–	Escape sign pane, wall
16237	–	Escape sign pane, wall
–	**16233**	Escape sign display pane, ceiling, bracket
–	**16234**	Escape sign display pane, ceiling, bracket

Please order accessories separately

Order code	Description
4265	Bracket
3733	Recessed mounting set for massive walls and massive ceilings (concrete-cast housing)
4266	Recessed mounting set for hollow walls and hollow ceilings

INFINITA LED RTI

Escape sign and safety luminaire with housing and cover made of polycarbonate (PC). High type of protection (IP65) and high impact resistance (IK08). Numerous cable entries. The RTI system offers a very homogeneous illumination of the escape sign foils as well as a glare-free light distribution when used as safety luminaire. With the special LED technology (for mounting heights of 2 m to over 12 m, luminaire distances for escape routes of up to 34 m) both escape routes and areas can be illuminated very efficiently.

Versions for surface wall and ceiling mounting and with additional accessories for recessed wall and ceiling mounting, pendulum, bracket and chain/wire

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Polycarbonate, white (RAM 9003)
Cover:	Polycarbonate, transparent
Service life $L_{80}B_{20}$:	50.000 h
Color temperature:	4.000 K
Color rendering index:	80

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V / 50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	II

DECENTRAL SUPPLY

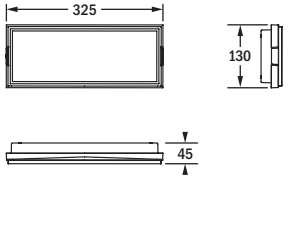
Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III with connection only to low voltage, II with additional connection to voltages above low voltage

CENTRAL SUPPLY

Mains supply:	198 V – 254 V / 50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	II
Mains supply (alt.):	90 V – 254 V / 50/60 Hz[12]
Battery supply (alt.):	90 V – 276 V[12]

[12] For order code 31170

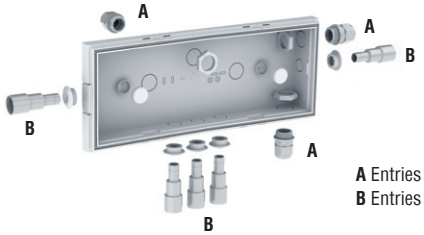
Variant	Order code	Φ~
LIFE	**19470**	850 lm
Sicuro24 / Sicuro230	**32110 / 31170**	500 lm
Sicuro24 / Sicuro230	**32111 / 31171**	1.500 lm



Surface wall and ceiling mounting

Cutout: 310 mm x 115 mm (4687)

Recessed wall and ceiling mounting, hollow



A Entries with M20 cable gland
B Entries for 16 – 20 mm cable

Easy installation and cabling

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LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest Order code	Logica Order code	Logica FM Order code		LED	Φ= 1 h	Φ= 3 h		S~
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]								
19470[3]	**19470**[3]	**19470**[3]**+15037**[2]	25 m	16	1.700 lm	620 lm	2x LIFE 9.6 V / 1.5 Ah	15 VA

SICURO DECENTRAL SUPPLY

Sicuro24 Order code		LED	Φ=	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]				
32110[4]	25 m	16	500 lm	3.9 W
32111[5]	25 m	16	500 lm	4.3 W

[1] Please order additional required accessories for recessed wall and ceiling mounting, pendulum, bracket and chain/wire separately.

[2] Please order Logica FM interface (15037) separately.

[3] Version UL for LIFE.

[4] Version L for Sicuro24.

[5] Version XL for Sicuro24.

Version UL for LIFE
UL = ultimate large light flux in battery operation through battery 2x LIFE 9.6 V / 1.5 Ah.

Version L for Sicuro24
L = large light flux of 500 lm in mains operation. With S24 driver module G31445.

Version XL for Sicuro24
XL = extra large light flux of 1500 lm in mains operation. Factory-made with light switch query and sub distribution monitoring through S24 inverter module G31446 in combination with a LED driver.

SICURO CENTRAL SUPPLY

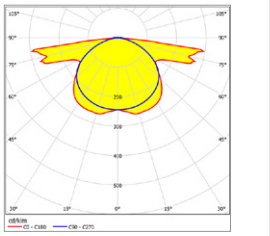
Sicuro230 Order code		LED	Φ=	S~	P=
Surface wall mounting (1-sided escape route indication / illumination), surface ceiling mounting (2-sided escape route indication / illumination)[1]					
31170[6]	25 m	16	500 lm	8.6 VA / 4.5 W	
31171[7]	25 m	16	1.500 lm	16.3 VA / 15.1 W	

[6] Version L for Sicuro230.

[7] Version XL for Sicuro230.

Version L for Sicuro230
L = large light flux of 500 lm in mains and battery operation. With S230 driver module 17380.

Version XL for Sicuro230
XL = extra large light flux of 1500 lm in mains and battery operation. Factory-made with light switch query and sub distribution monitoring through S230 module 17382 in combination with a LED driver.



Light distribution curve

Lug set chain / wire – 3723

Included in scope of delivery

Order code	Description
4682	Set of escape sign foils, VD 25 m

Please order accessories separately

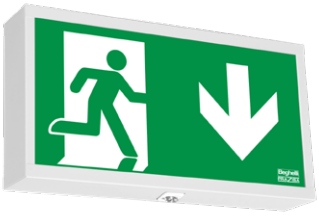
Order code	Description
4683	Recessed mounting set for massive walls / massive ceilings (concrete-cast housing)
4685	Wall holder, not swiveable (-45°)
4686	Bracket
4687	Recessed mounting set for hollow walls / hollow ceilings
4315	Tubular pendulum, round, 250 mm
4316	Tubular pendulum, round, 500 mm
4317	Tubular pendulum, round, 1.000 mm
3723	Lug set for chain and wire mounting
3912	Protective basket (only for surface wall and ceiling mounting without 4681 / 4685)

Please order further accessories separately (only for LIFE)

Order code	Description
15037	Logica FM interface
15038	DALI interface (for connection to DALI central of the general or safety lighting)

Please order escape sign accessories separately

Order code	Description
4681	High cover for ceiling mounting as escape sign luminaire, opal, VD 25 m



KUBUS M

Combined escape sign and safety luminaire. Housing made of flat sheet steel profiles and angular contours. 1 or 2-sided escape route indication through exchangeable panes. Additional high-power LED with light guidance through special lenses for asymmetrical light distribution (illumination of escape routes with 1 lx) or for symmetrical light distribution (illumination of areas with 0.5 lx).

Versions for surface wall mounting and with additional accessories for pendulum, bracket and chain/wire

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Sheet steel, white (RAL 9003)	**Color stability:**	3 SDCM
Pane:	PMMA, printed	**Color temperature:**	4.000 K (ESL & SL)
Lens:	PMMA, transparent	**Color rendering index:**	80 (ESL) 70 (SL)
Service life $L_{80}B_{20}$:	50.000 h		

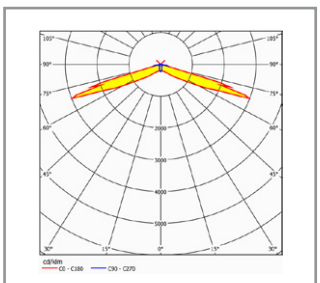
DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

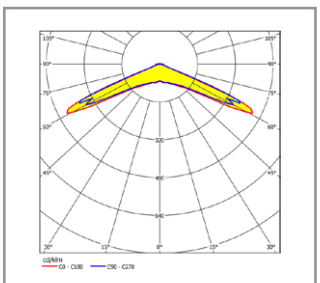
CENTRAL SUPPLY

Mains supply:	198 V – 254 V / 50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

Variant	Φ~ Area 3.5 m	Φ~ Escape route
Sicuro24 / Sicuro230 – partial component: safety luminaire	361 lm	330 lm



Asymmetric wide-beam



Symmetric wide-beam up to 3.5 m

Rev.-No. S2024-02

SICURO 24 LED DECENTRAL SUPPLY

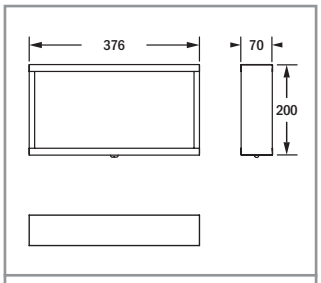
Sicuro24 Order code		LED	Φ=	P=
Surface wall mounting with 2 changeable lenses (1-sided escape route indication / illumination)[2]				
32105	34 m	48 + 1	**Escape route** 330 lm **Area 3.5m** 361 lm	8.1 W
Pendulum mounting adaptor with 2 changeable lenses (2-sided escape route indication / illumination)[1 2]				
32106	34 m	48 + 1	**Escape route** 330 lm **Area 3.5m** 361 lm	8.1 W

SICURO 230 LED CENTRAL SUPPLY

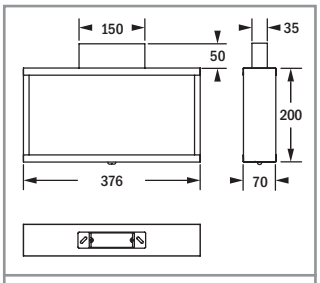
Sicuro230 Order code		LED	Φ=	S~	P=
Surface wall mounting with 2 changeable lenses (1-sided escape route indication / illumination)[2]					
31154	34 m	48 + 1	**Escape route** 330 lm **Area 3.5m** 361 lm		17.7 VA / 8.8 W
Pendulum mounting adaptor with 2 changeable lenses (2-sided escape route indication / illumination)[1 2]					
31155	34 m	48 + 1	**Escape route** 330 lm **Area 3.5m** 361 lm		17.7 VA / 8.8 W

[1] Please order additional required accessoires for pendulum, bracket and chain/wire separately. Luminaires with pendulum mounting adaptor are needed for all types of pendulums as well as the bracket.

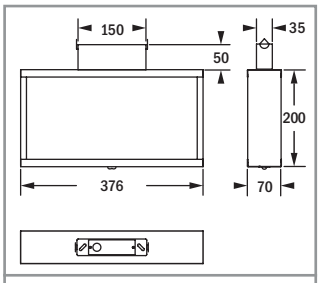
[2] Luminaire is equipped with 2 separate monitoring and control modules. The operating modes of the two monitoring and control modules for illumination of the escape sign resp. the escape signs and the escape routes resp. areas are separately configurable.



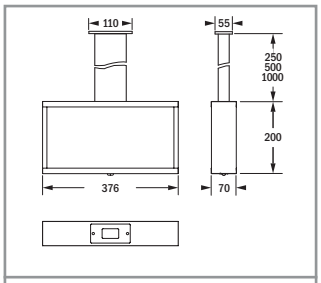
Surface wall mounting



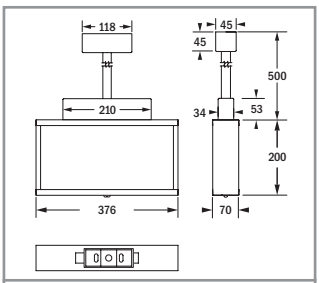
Short pendulum, ceiling



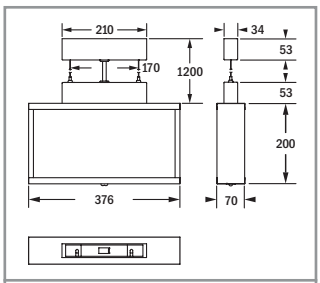
Short pendulum, chain/wire



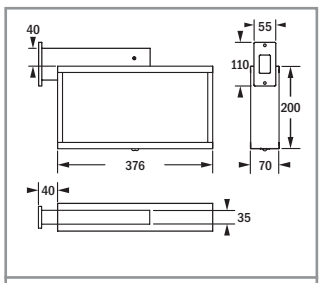
Tubular pendulum, angular



Tubular pendulum, round



Wire pendulum



Bracket

Included in scope of delivery

Order code	Description
–	Symmetrical wide-beam lens for mounting height 3.5 m
–	Asymmetrical wide-beam lens

Please order escape sign accessories separately

Order code	Description
E16608M	Escape sign pane
E16609M	Escape sign pane
E16610M	Escape sign pane
E16617M	Escape sign pane
E16640M	Escape sign pane
E16642M	Escape sign pane
E16641M	Escape sign pane
E16643M	Escape sign pane
E16611	Pane, opal, PMMA
E16241	Pane, white, sheet steel

Please order accessories separately

Order code	Description
F95057	Short pendulum for ceiling mounting
F95600	Tubular pendulum, angular, 250 mm
F95601	Tubular pendulum, angular, 500 mm
F95602	Tubular pendulum, angular, 1.000 mm
F95400	Tubular pendulum, round, 500 mm
F95401	Wire pendulum, max. 1.200 mm
F95056	Bracket
F95067	Short pendulum for chain mounting and wire mounting
F95032K	Protective basket (only for surface wall mounting without pendulum, bracket)

TULA

Combined escape sign and safety luminaire or escape sign luminaire. Housing in flat design with convex light outlet area and opal pane. 1- or 2-sided escape route indication through self-adhesive foils. Additional high-power LED with light guidance through special lenses for asymmetrical light distribution (illumination of escape routes with 1 lx) or for symmetrical light distribution (illumination of areas with 0.5 lx) for combined escape sign and safety luminaire.

Versions for surface wall mounting and with additional accessories for pendulum and bracket

MOUNTING TYPES

MOUNTING TYPES WITH ACCESSORIES

TECHNICAL DATA

Housing:	Sheet steel, grey (RAL 9006)
Cover:	PMMA, opal
Foil:	PVC, printed
Lens:	PMMA, transparent
Service life $L_{80}B_{20}$:	50.000 h

Color stability:	3 SDCM
Color temperature:	4.000 K (ESL & SL)
Color rendering index:	80 (ESL) 70 (SL)

DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

CENTRAL SUPPLY

Mains supply:	198 V – 254 V / 50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

Variant	Area 3.5 m	Escape route
Sicuro24 / Sicuro230 – partial component: safety luminaire	361 lm	330 lm

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DECENTRAL SUPPLY

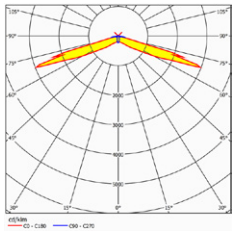
Sicuro24 Order code		LED	Φ=	P=
Surface wall mounting with 2 changeable lenses (1-sided escape route indication / illumination) or surface wall mounting (1-sided escape route indication)				
32025	23 m	24	–	2.2 W
32027	32 m	48	–	4.3 W
32028[2]	32 m	48 + 1	**Escape route** 330 lm **Area 3.5 m** 361 lm	8.1 W
Pendulum mounting adaptor with 2 changeable lenses (2-sided escape route indication / illumination) or pendulum mounting adaptor (2-sided escape route indication)[1]				
32026	23 m	24	–	2.2 W
32029	32 m	48	–	4.3 W
32030[2]	32 m	48 + 1	**Escape route** 330 lm **Area 3.5 m** 361 lm	8.1 W

CENTRAL SUPPLY

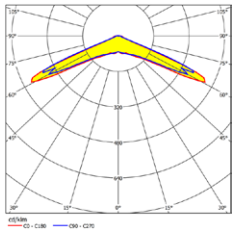
Sicuro230 Order code		LED	Φ=	S~	P=
Surface wall mounting with 2 changeable lenses (1-sided escape route indication / illumination) or surface wall mounting (1-sided escape route indication)					
31025	23 m	24	–	5.8 VA / 2.5 W	
31027	32 m	48	–	9.4 VA / 4.7 W	
31028[2]	32 m	48 + 1	**Escape route** 330 lm **Area 3.5 m** 361 lm	17.7 VA / 8.8 W	
Pendulum mounting adaptor with 2 changeable lenses (2-sided escape route indication / illumination) or pendulum mounting adaptor (2-sided escape route indication)[1]					
31026	23 m	24	–	5.8 VA / 2.5 W	
31029	32 m	48	–	9.4 VA / 4.7 W	
31030[2]	32 m	48 + 1	**Escape route** 330 lm **Area 3.5 m** 361 lm	17.7 VA / 8.8 W	

[1] Please order additional required accessories for pendulum and bracket separately. Luminaires with pendulum mounting adaptor are needed for all types of pendulums as well as the bracket.

[2] Luminaire is equipped with 2 separate monitoring and control modules. The operating modes of the two monitoring and control modules for illumination of the escape sign resp. the escape signs and the escape routes resp. areas are separately configurable.



Asymmetric wide-beam



Symmetric wide-beam up to 3.5 m

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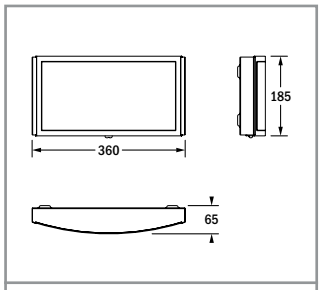
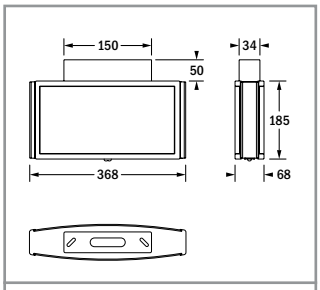
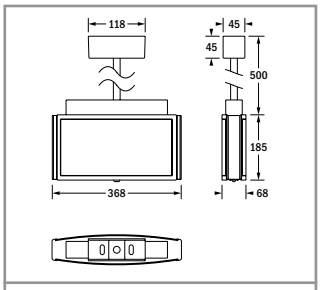


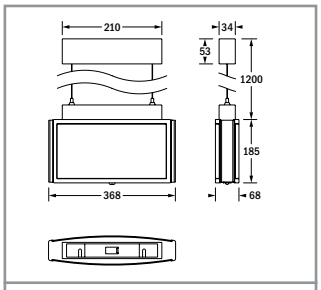
Surface wall mounting (ESL & SL)



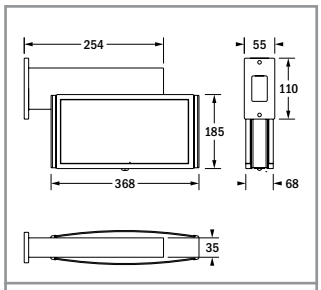
Short pendulum, ceiling (ESL & SL)



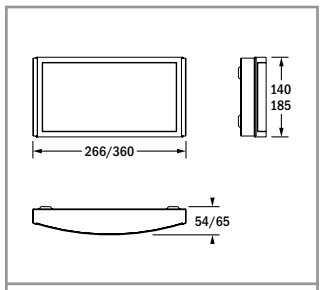
Tubular pendulum, round (ESL & SL)



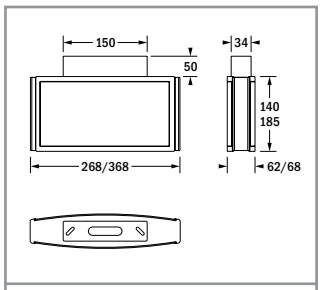
Wire pendulum (ESL & SL)



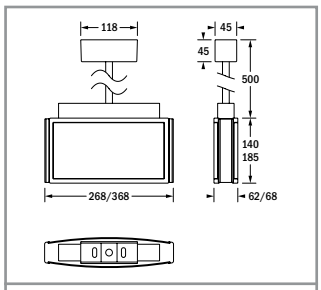
Bracket (ESL & SL)



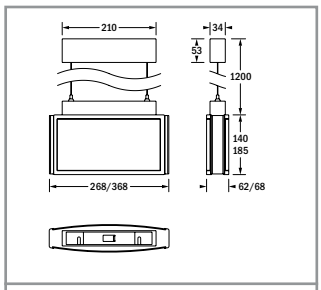
Surface wall mounting (ESL)



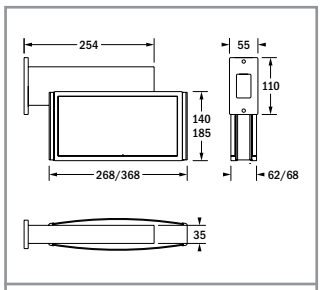
Short pendulum, ceiling (ESL)



Tubular pendulum, round (ESL)



Wire pendulum (ESL)



Bracket (ESL)

Included in scope of delivery

Order code		Description	
VD 23 m	VD 32 m		
F15337MU	F15338MU	Escape sign foil	
F15337MR	F15338MR	Escape sign foil	
F15337ML	F15338ML	Escape sign foil	
F15337MO	F15338MO	Escape sign foil	
–	–	Symmetrical wide-beam lens for mounting height 3.5 m	
–	–	Asymmetrical wide-beam lens	

Please order escape sign accessories separately

Order code		Description	
VD 23 m	VD 32 m		
F15337MLO	F15338MLO	Escape sign foil	
F15337MLU	F15338MLU	Escape sign foil	
F15337MRO	F15338MRO	Escape sign foil	
F15337MRU	F15338MRU	Escape sign foil	

Please order accessories separately

Order code	Description
F95109PK	Short pendulum for ceiling mounting
F95109PR	Tubular pendulum, round, 500 mm
F95109PS	Wire pendulum, max. 1.200 mm
F95109P	Bracket

SIGN LED

Combined safety sign and safety luminaire. Housing made of flat sheet steel profiles with angular contours in triangular shape. 2-sided indication of safety devices through exchangeable safety sign panes. Illumination of safety devices with 5 lx through high-power LED with light guidance through special lens.

Version for surface wall mounting

MOUNTING TYPES

TECHNICAL DATA

Housing:	Sheet steel, white (RAL 9003)	**Color temperature:**	4.000 K (SSL) 6.500 K (SL)
Display pane:	PMMA, printed	**Color rendering index:**	70 (SSL & SL)
Lens:	PMMA, transparent	**Optic interface:**	LIFE
Service life $L_{80}B_{20}$:	50.000 h		
Color stability:	3 SDCM		

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained or non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	I

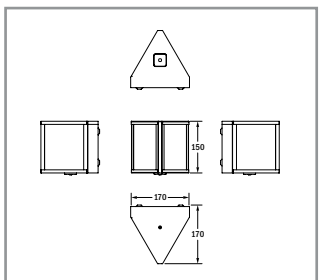
DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24 V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

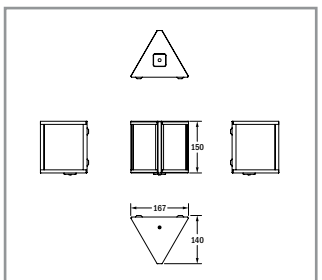
CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	I
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

Variant	Φ~
LIFE – partial component: safety luminaire	243 lm
Sicuro24 / Sicuro230 – partial component: safety luminaire	323 lm



Surface wall mounting (LIFE)



Surface wall mounting (S24 & S230)

Rev.-No. S2024-03

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

Autotest / CableCom Order code	Logica Order code	Logica FM Order code		LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Surface wall mounting (2-sided indication) for indication and illumination of safety devices									
37225[1]	**37226**[1]	**37227**[1]	26 m	2+1	323 lm	186 lm	65 lm	2x LIFE 6.4 V / 1.5 Ah	8 VA

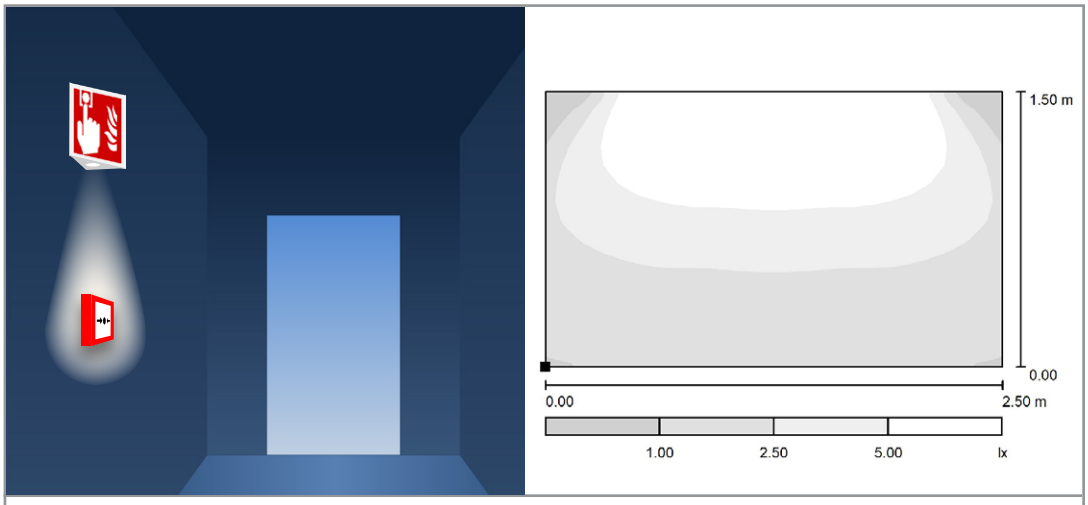
SICURO DECENTRAL SUPPLY

Sicuro24 Order code		LED	Φ=	P=
Surface wall mounting (2-sided indication) for indication and illumination of safety devices				
32074[1]	26 m	2+1	323 lm	6.7 W

SICURO CENTRAL SUPPLY

Sicuro230 Order code		LED	Φ=	S~	P=
Surface wall mounting (2-sided indication) for indication and illumination of safety devices					
31103[1]	26 m	2+1	323 lm	15.7 VA / 7.6 W	

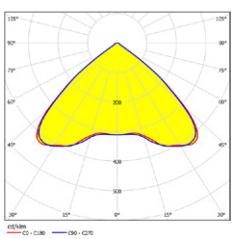
[1] Luminaire is equipped with 2 separate monitoring and control modules.
The operating modes of the two monitoring and control modules for illumination of the safety signs and the safety device are separately configurable.



Illumination of safety devices

Please order safety sign accessories separately

Order code		Description
E16914M		F001 safety sign pane fire extinguisher
E16915M		F002 safety sign pane extinguishing hose
E16913M		F005 safety sign pane fire detector
E16910M		E003 safety sign pane first aid
E16912M		E004 safety sign pane emergency telephone
E16911M		E007 safety sign pane assembly point
E16917M		E017 safety sign pane escape hatch
E16916M		E019 safety sign pane emergency hatch



Light distribution curve

SCOUT LED

Safety luminaire as mobile spotlight luminaire. Housing made of polycarbonate with adjustable luminaire head (120°). Luminaire head with a main and a para lamp, switchable. Charging and switchover device integrated in housing.

Version for portable use

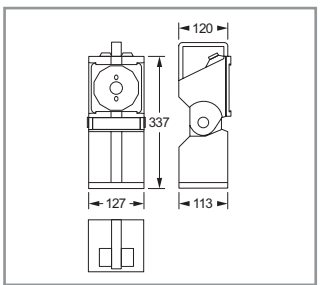
TECHNICAL DATA

Housing:	Polycarbonate, orange (RAL 2009)	**Service life $L_{80}B_{20}$:**	50.000 h (main lamp & para lamp)
Frame:	Polycarbonate, grey (RAL 7026)	**Color stability:**	3 SDCM (main lamp & para lamp)
Connection cable:	H03VVH2-F 2x0.75 mm² (1.3 m), black	**Color temperature:**	5.700 K (main lamp & para lamp)
Plug:	Euro plug, type C	**Color rendering index:**	70 (main lamp & para lamp)

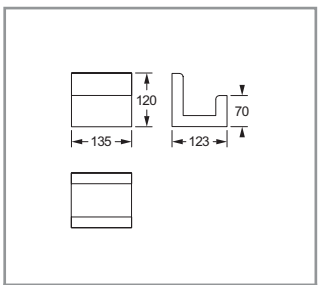
IP40 IK09

SELF-CONTAINED SUPPLY

Switching:	Non-maintained
Mains supply:	230 V / 50/60 Hz
Ambient temperature:	0 °C to +40 °C
Protection class:	II



Portable



Wall holder for surface wall mounting

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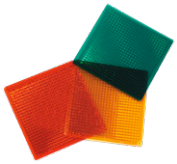
CLASSIC SELF-CONTAINED SUPPLY

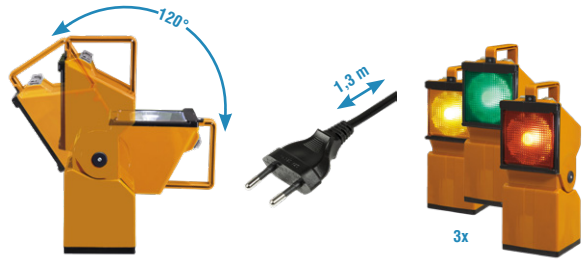
Order code	LED	Φ=		P
8380	1+1	230 lm (9.5 h)[1] 23.5 lm (85 h)[2]	Pb 6 V / 4.5 Ah	2.4 W[1] 0.2 W[2]

[1] Main lamp
[2] Para lamp

Carry belt, included in scope of delivery – 3913



Color panes, included in scope of delivery – 3729, 3730, 3731



Adjustable luminaire head (120°), 1.3 m connection cable, 3 color panes

Included in scope of delivery

Order code	Description
3913	Carry belt
3729	Color pane, red
3730	Color pane, orange
3731	Color pane, green

Please order accessories separately

Order code	Description
2750	Wall holder

PLURALUCE MODULE

Luminaire module for installation in luminaires of the general lighting. High-power LED with light guidance through special lenses for asymmetrical shining light distribution (illumination of escape routes with 1 lx), symmetrical shining light distribution (illumination of areas with 0.5 lx) and 1-sided asymmetrical shining light distribution (illumination of safety devices with 5 lx).

Version for luminaire installation

MOUNTING TYPES

TECHNICAL DATA

Cover:	Polycarbonate, white (RAL 9010)	**Color temperature:**	4.000 K
Lens:	PMMA, transparent	**Color rendering index:**	70
Service life $L_{80}B_{20}$:	50.000 h	**Optic interface:**	LIFE
Color stability:	3 SDCM		

IP20

Commissioning: For Autotest, operating duration, operating mode PS, monitoring group and test duration are only programmable per app B.connect over smartphone locally on luminaire.

SELF-CONTAINED SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Switching:	Maintained and non-maintained
Ambient temperature:	-10 °C to +45 °C
Protection class:	II

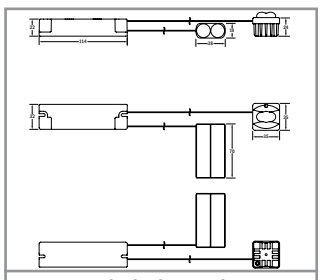
DECENTRAL SUPPLY

Mains supply:	24 V +/- 20 % DC
Battery supply:	24V +/- 20 % DC
Ambient temperature:	-20 °C to +40 °C
Protection class:	III

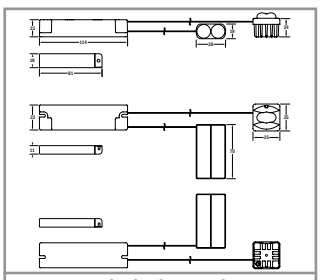
CENTRAL SUPPLY

Mains supply:	198 V – 254 V/50 Hz
Battery supply:	176 V – 276 V
Ambient temperature:	-20 °C to +40 °C
Protection class:	II
Mains supply (alt.):	90 V – 254 V / 50/60 Hz
Battery supply (alt.):	90 V – 276 V

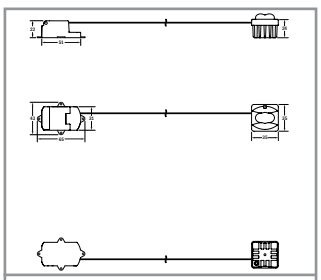
Variant	Φ~ Area 3.5 m	Φ~ Area 7 m	Φ~ Escape route
LIFE	271 lm	271 lm	248 lm
Sicuro24 / Sicuro230	361 lm	361 lm	330 lm



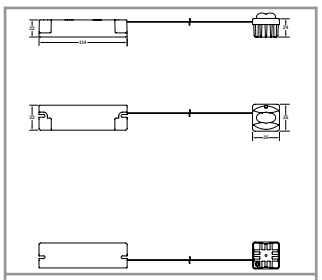
Luminaire installation (LIFE AT/CC)



Luminaire installation (LIFE LG/FM)



Luminaire installation (S24)



Luminaire installation (S230)

Rev.-No. S2024-02

LIFE SELF-CONTAINED SUPPLY

10 YEARS GUARANTEE

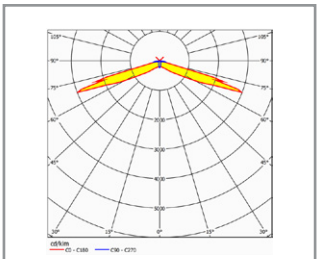
Autotest / CableCom Order code	Logica Order code	Logica FM Order code	LED	Φ= 1 h	Φ= 3 h	Φ= 8 h		S~
Luminaire installation for area illumination and escape route illumination with 3 changeable lenses								
37087	**37088**	**37089**	1	**Escape route** 330 lm **Area 3.5 m / 7 m** 361 lm / 361 lm	**Escape route** 190 lm **Area 3.5 m / 7 m** 207 lm / 207 lm	**Escape route** 66 lm **Area 3.5 m / 7 m** 72 lm / 72 lm	LIFE 6.4 V / 1.5 Ah	8 VA

SICURO 24 DECENTRAL SUPPLY

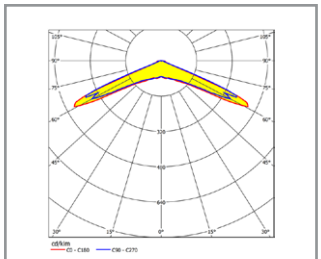
Sicuro24 Order code	LED	Φ=	P=
Luminaire installation for area illumination and escape route illumination with 3 changeable lenses			
32042	1	**Escape route** 330 lm **Area 3.5 m / 7 m** 361 lm / 361 lm	3.8 W

SICURO 230 CENTRAL SUPPLY

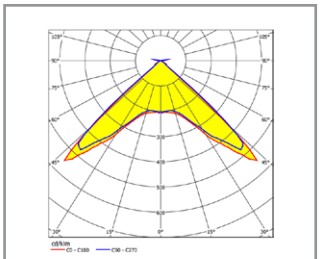
Sicuro230 Order code	LED	Φ=	S~	P=
Luminaire installation for area illumination and escape route illumination with 3 changeable lenses				
31040	1	**Escape route** 330 lm **Area 3.5 m / 7 m** 361 lm / 361 lm		8.3 VA / 4.1 W



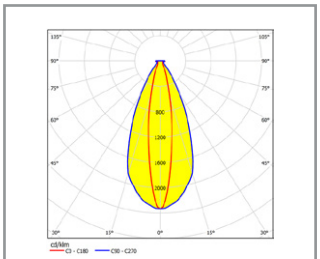
Asymmetric wide-beam



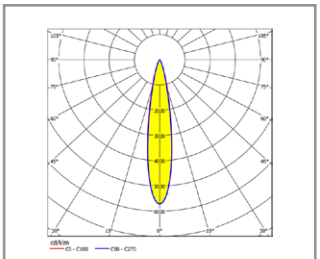
Symmetric wide-beam 3.5 m



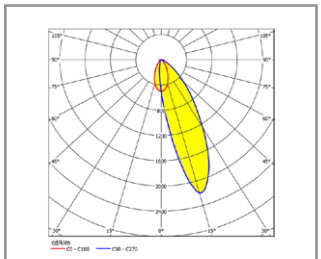
Symmetric wide-beam 7 m



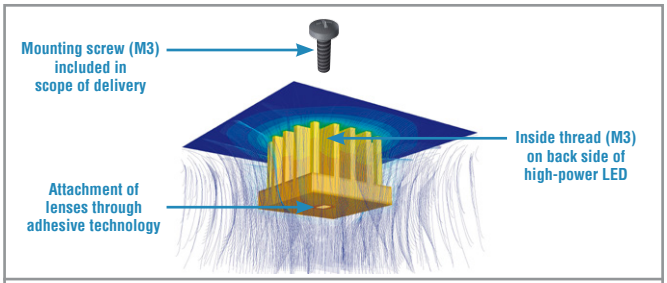
Accessory: lens – F95807



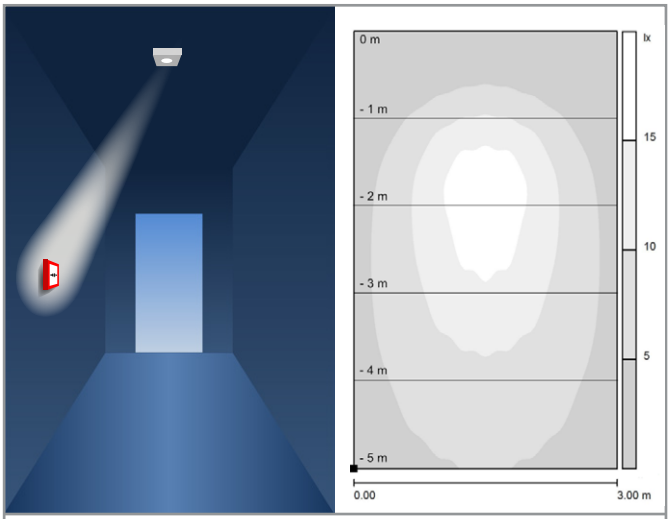
Accessory: lens – F95808



Accessory: lens – F95815



The high-power LED: long service life through optimal heat dissipation



Illumination of safety devices

3 changeable lenses included in scope of delivery

Included in scope of delivery

Order code	Description
–	Symmetrical wide-beam lens for mounting height 3.5 m
–	Symmetrical wide-beam lens for mounting height 7 m
–	Asymmetrical wide-beam lens

Please order accessories separately

Order code	Description
F95807	asymmetrical deep-beam lens for mounting heights > 7.5 m
F95808	symmetrical deep-beam lens for mounting heights > 7.5 m
F95815	asymmetrical shining lens for illumination of safety devices with 5 lx

NVG

Emergency light supply device for operation of 1 or 2 luminaires with LED lamp and electronic control gear, low-pressure discharge lamp and electronic as well as magnetic control gear or incandescent lamp. Connection of the luminaire(s) without change of the inner wiring. Variant with separate electronic and battery housing. Luminaire(s) individually switchable in mains operation. 2 adjustable output voltages for emergency and test operation – direct voltage for electronic control gears, square-shaped alternating voltage for magnetic control gears.

Version for surface wall mounting

MOUNTING TYPES

TECHNICAL DATA

Housing: ABS, grey (RAL 7035)

Type of protection: IP32 (Battery component)
IP65 (Electronic component)

SELF-CONTAINED SUPPLY

Mains supply: 230 V/50 Hz

Switching: Maintained and non-maintained

Ambient temperature: Electronic component: 0 °C to +40 °C
Battery component: +20 °C

Protection class: I (protective conductor only needed for connected luminaires with protection class I)

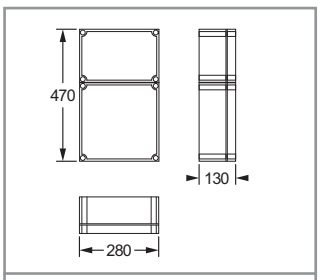
SUPPLY – LUMINAIRE(S)

Luminaire: LED lamp + electronic control gear
discharge lamp + electronic control gear
discharge lamp + magnetic control gear

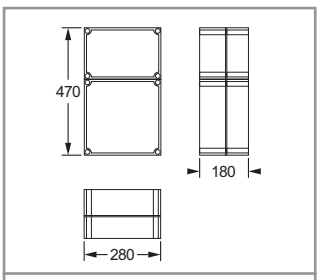
Output power(s): For direct voltage as output voltage (regardless of the operating duration): max. 1 x 120 W for use of only one output circuit, max. 2 x 60 W for use of both output circuits

For square-shaped alternating voltage as output voltage (regardless of the operating duration): max. 1 x 80 W for use of only one output circuit, max. 2 x 40 W for use of both output circuits

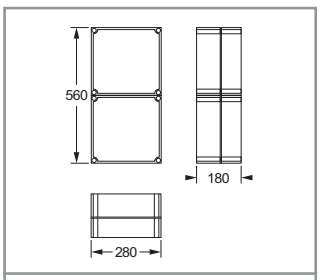
Order codes	Weight
V90800L / V90800L-FM	7 kg
V90801L / V90801L-FM	9 kg
V90802L / V90802L-FM	14 kg
V90803L / V90803L-FM	17 kg
V90805L / V90805L-FM	20 kg



Surface wall mounting
(V90800L/-FM & V90801L/-FM)



Surface wall mounting
(V90802L/-FM)



Surface wall mounting
(V90803L/-FM & V90805L/-FM)

Rev.-No. S2024-02

CLASSIC SELF-CONTAINED SUPPLY

Autotest Order code	Logica Order code	Logica FM Order code	Φ t	Autotest / Logica / Logica FM	S~
V90800L	**V90800L**	**V90800L-FM**	see table 1 h / 3 h	Pb 12 V / 6.5 Ah	[3]
V90801L	**V90801L**	**V90801L-FM**	see table 1 h / 3 h	Pb 12 V / 13 Ah	[3]
V90802L	**V90802L**	**V90802L-FM**	see table 1 h / 3 h	Pb 12 V / 28 Ah	[3]
V90803L	**V90803L**	**V90803L-FM**	see table 1 h / 3 h	Pb 12 V / 40 Ah	[3]
V90805L	**V90805L**	**V90805L-FM**	see table 1 h / 3 h	Pb 12 V / 55 Ah	[3]

Order code	Operating time	Luminaire (1 x) / Luminaires (2 x)[1]	
		luminaire power	light flux factor
V90800L / V90800L-FM	1 h	1 x 20 W 2 x 10 W	max. 100 %[2]
V90800L / V90800L-FM	3 h	1 x 6 W 2 x 3 W	max. 100 %[2]
V90801L / V90801L-FM	1 h	1 x 60 W 2 x 30 W	max. 100 %[2]
V90801L / V90801L-FM	3 h	1 x 20 W 2 x 10 W	max. 100 %[2]
V90802L / V90802L-FM	1 h	1 x 100 W 2 x 50 W	max. 100 %[2]
V90802L / V90802L-FM	3 h	1 x 40 W 2 x 20 W	max. 100 %[2]
V90803L / V90803L-FM	1 h	1 x 120 W 2 x 60 W	max. 100 %[2]
V90803L / V90803L-FM	3 h	1 x 70 W 2 x 35 W	max. 100 %[2]
V90805L / V90805L-FM	1 h	1 x 120 W 2 x 60 W	max. 100 %[2]
V90805L / V90805L-FM	3 h	1 x 120 W 2 x 60 W	max. 100 %[2]

[1] The electronic control gears must be suitable for use in safety lightings according to DIN EN 50172. An operation of luminaires with dimmable electronic control gear (DALI) possible on request. The maximum inrush current resp. the maximum inrush duration may not exceed 60 A for 250 ms.

[2] Depending on electronic control gear and adjustment on NVG for output voltage in emergency and test operation, p.r.n. also smaller as 100 %.

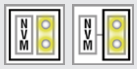
[3] Depending on connected luminaires and adjustment on NVG for output voltage in emergency and test operation.

INVERTER MODULE

Emergency supply module for operation of a luminaire with LED lamp and electronic control gear in reduced power during failure of the mains supply. Connection of the luminaire with change of the inner wiring. Variant with separate electronic and battery module as well as with separate signal LED.

Version for luminaire installation (without housing) and with additional accessories for luminaire attachment (with housing, IP65)

MOUNTING TYPES



TECHNICAL DATA

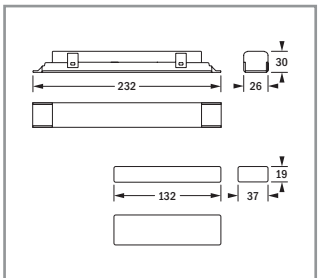
Housing:	Polycarbonate, white (RAL 9003) (luminaire installation) Polycarbonate grey (RAL 7035) (luminaire attachment)	**Type of protection:**	IP20 (luminaire installation) IP65 (luminaire attachment)

SELF-CONTAINED SUPPLY

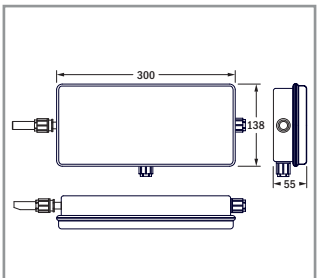
Mains supply:	230 V / 50 Hz
Switching:	Maintained (only with electronic control gear) and non-maintained
Protection class:	II
Ambient temperature:	Electronic: -20 °C to +60 °C Battery: 0 to +40 °C

SUPPLY – LED LAMP

Driver power (inverter):	10 W for 1 h operating duration 3.3 W for 3 h operating duration 1.25 W for 8 h operating duration (adjustable over DIP switch on inverter)
Driver current (inverter):	max. 0.5 A
Driver voltage (inverter):	5 V to 55 V



Luminaire installation



Luminaire attachment

Rev.-No. S2024-02

LIFE ECO SELF-CONTAINED SUPPLY

5 YEARS GUARANTEE

Autotest Order code	Logica Order code	Logica FM Order code	Φ= 1 h	Φ= 3 h	Φ= 8 h	
Luminaire installation[1]						
19391	**19391**	**19391+19375**	see formula	see formula	see formula	LIFE 12.8 V / 1.5 Ah

[1] Please order additional required accessories for luminaire attachment separately.

FORMULAS FOR CALCULATION OF THE LIGHT FLUX IN BATTERY OPERATION

Operating duration 1 h

light flux of LED lamp in mains operation [%] = 100 %

light flux of LED lamp in battery operation [lm] =

$$\text{light flux of LED lamp in mains operation [lm]} \times \frac{10\ \text{W}}{\text{power of LED lamp in mains operation [W]}}$$

Operating duration 3 h

light flux of LED lamp in mains operation [%] = 100 %

light flux of LED lamp in battery operation [lm] =

$$\text{light flux of LED lamp in mains operation [lm]} \times \frac{3.3\ \text{W}}{\text{power of LED lamp in mains operation [W]}}$$

Operating duration 8 h

light flux of LED lamp in mains operation [%] = 100 %

light flux of LED lamp in battery operation [lm] =

$$\text{light flux of LED lamp in mains operation [lm]} \times \frac{1.25\ \text{W}}{\text{power of LED lamp in mains operation [W]}}$$

Operating duration without subsidiary battery (RA08)	Driver power (inverter) without subsidiary battery (RA08)	Operating duration with subsidiary battery (RA08)
1 h	10 W	2 h
3 h	3.3 W	6 h
8 h	1.25 W	16 h

Housing for luminaire attachment IP65 – 19376

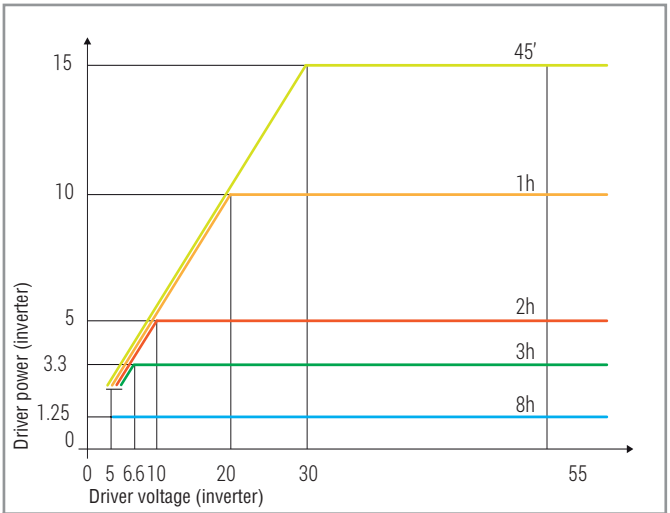


Diagram – 19391 in battery operation

Please order accessories separately	
Order code	**Description**
RA08	Subsidiary battery LIFE 12.8 V / 1.5 Ah
19375	Logica FM interface
19376	Housing for luminaire attachment IP65

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Escape sign luminaire surface wall mounting

Escape sign luminaire recessed wall mounting

Escape sign luminaire surface ceiling mounting

Escape sign luminaire recessed ceiling mounting

Escape sign luminaire wire pendulum

Escape sign luminaire tubular pendulum (round)

Escape sign luminaire tubular pendulum / short pendulum (angular)

Escape sign luminaire bracket

Escape sign luminaire chain / wire, must be provided on site

Safety luminaire for escape route illumination

Safety luminaire surface wall mounting

Safety luminaire recessed wall mounting

Safety luminaire recessed step mounting

Safety luminaire surface ceiling mounting

Safety luminaire recessed ceiling mounting

Safety luminaire surface floor mounting

Safety luminaire wire pendulum

Safety luminaire tubular pendulum (round)

Safety luminaire tubular pendulum / short pendulum (angular)

Safety luminaire bollard

Safety luminaire bracket

Safety sign luminaire surface wall mounting

Safety luminaire chain / wire, must be provided on site

Combined escape sign and safety luminaire surface wall mounting

Combined escape sign and safety luminaire surface ceiling mounting

Combined escape sign and safety luminaire recessed ceiling mounting

Combined escape sign and safety luminaire wire pendulum

Combined escape sign and safety luminaire tubular pendulum (round)

Combined escape sign and safety luminaire tubular pendulum / short pendulum (angular)

Combined escape sign and safety luminaire bracket

Combined escape sign and safety luminaire chain / wire, must be provided on site

Dynamic luminous marker recessed wall mounting

Dynamic luminous marker recessed floor mounting

Escape sign luminaire viewing distance

Safety luminaire mounting distance and mounting height

High resistance against UV radiation

Explosion protection

Extreme resistance against chemical stress

Color temperature

Color reproduction

Battery

LED quantity

Luminaire power in mains operation (AC), active power

Luminaire power in battery operation (DC)

Luminaire power in mains operation (AC), apparent power

Luminaire light flux in battery operation (DC)

Luminaire light flux in mains operation (AC)

Light flux factor

Lamp power

Lamp light flux in battery operation (DC)

Type of protection IP

Impact resistance IK

Version in V2A

Use in combination with electronic control gear possible

Use in combination with conventional control gear possible

Use of LED lamps with suitable control gear possible

Use of low-pressure discharge lamps with suitable control gear possible

Use of incandescent lamps possible

Suitable for use in food industry according to IFS-Food

Suitable for use in sport sites

Luminaire or parts of luminaire overpaintable with paint

Laser module Orma for escape route indication available as accessory

Subsidiary battery available as accessory

Operating time 1 h / 3 h / 8 h

Operating time 1 h / 3 h

External emergency light supply module

Internal emergency light supply module

Emergency light supply device surface wall mounting

Luminaire module luminaire installation

Mobile radio interface (LTE) integrated

Bluetooth® interface integrated

Optic interface (light sensor) integrated

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10 years guarantee for batteries
in the variant LIFE

5 years guarantee for batteries
in the variant LIFE ECO

Possibility for read-out
of QR codes per camera

Possibility for sending
of commands per camera flashlight

Possibility for configuration
of equipment from the
SanificaAria series

App B.connect

Cloud NuBe

Abbreviations

ESL	Escape sign luminaire
SSL	Safety sign luminaire
SL	Safety luminaire
VD	Viewing distance
S230	Sicuro230 (central supply system)
S24	Sicuro24 (decentral supply system)
LTO	Lithium-Titanate-Oxide (resp. Lithium-Ion-Titanium battery)
LIFE	Lithium-Ferro-Phosphate (resp. Lithium-Ferrum battery)
Pb	Lead (resp. Lead battery)
AT	Autotest
CC	CableCom
LG	Logica
FM	Logica FM
EÜ	Single monitoring
SÜ	Circuit monitoring
WAN	Wide Area Network (interregional network or internet)
LAN	Local Area Network (regional network)
WLAN	Wireless Local Area Network (wireless regional network)
WLAN-AP	Wireless Local Area Network - Access Point (wireless regional network with own access point for direct access)
WLAN-STA	Wireless Local Area Network - Station (wireless regional network for indirect access over a station)
n.a.	not applicable
alt.	alternative
f. i.	for instance

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