Simply the most flexible, reliable monitoring for peace of mind

F·A·T·N

Powering Business Worldwide

Enhanced safety by providing reliable and efficient monitoring

Bringing all the best features from existing platforms, Eaton's portfolio of life safety products has now been enhanced with the launch of its latest emergency lighting monitoring system for self-contained luminaires. Offering best in class functionality CGLine+ is the evolution of three existing systems combined into one. For smaller buildings a simple web based HMI is available and for larger sites supported by CGVision software, the system is capable of monitoring from 1 to over 25000 luminaires offering the scalability your project requires.

Individual building plans can be uploaded into the system creating a graphical representation of the location of each luminaire, allowing quick and easy identification in the event of any maintenance requirements. The Auto-ID function eliminates the manual addressing of the luminaries which reduces commissioning time and the automatic testing of each individual luminaire reduces maintenance cost.

CGLine+ issues an alert and pinpoints the location for any remedial work as soon as its detected. Also all events and tests are auto-populated into the digital log book where history and system configuration are securely backed up providing reliable efficient monitoring of your emergency lighting system and allowing you to comply with regulations.

This easy to use system supports a legal responsibility to ensure the safety of people in the building as well as giving you peace of mind by creating an environment that helps keep your business running safe and strong.

Content

All safety luminaires are important. They help protect the life and health of people.

Emergency lighting must be fully functional to provide protection in case of failure of the general lighting.

Even if a single safety luminaire or exit sign luminaire fails, depending on the particular local conditions, there is a significant risk of accidents, for example in a stairway. For this very reason legislation requires continuous testing of the emergency lighting. The operation of the luminaires in battery mode for example (function test) must be verified at least once a week.

Self-contained luminaires without an automatic test function

The function test is performed in case of single self-contained luminaires by pressing a button on the luminaire, and the result must be recorded by hand in a log book. An additional duration test for the duration of the rated operating time (1, 3 or 8 hours) must be performed once a year. This test checks whether there is still sufficient battery capacity available. All log book entries must be kept on file for 4 years. If there are a large number of luminaires, manual testing is an extremely laborious process and therefore involves significant costs.

Automatic testing simplifies the process

Eaton has implemented automatic test functions in all CGLine+ self-contained luminaires. A microprocessor monitors and controls all functions of the luminaires automatically. The required tests, the function test and the duration test, are performed automatically. The test results are shown on site on the luminaire by a status indicator. Without a central monitoring device, the results must be recorded by hand in the log book and kept on file in paper form for at least 4 years.

CGLine+ exit sign luminaires like the GuideLed CGLine+ are fitted with a microprocessor controller, and perform all luminaire tests completely automatically.

Central controller provides more safety

The new CGLine+ Web-Controller initiates the tests, displays the results centrally and stores them with ease in a paperless form in an electronic log book. The electronic log book can be printed off and shown on demand. This process ensures the safe operation of the building, and the building operator meets his duty of documentation.

CG+_{Line}

The new CGLine+ Web-Controller

CGLine+:
More luminaires.
More convenience.
More safety!

The tried and tested self-contained luminaire system CGLine 400 has been used since 2004 for the safe monitoring of self-contained luminaires. The new CGLine+ system is a more powerful system to make the operation of self-contained luminaire systems safer and even more convenient.

Now up to 800 luminaires monitored

The new CGLine+ Web-Controller can visualise a total of 800 CGLine+ luminaires (four lines of maximum 200 luminaires each or two lines of maximum 400 luminaires each). The number of luminaires is doubled as compared to the monitoring capacity of a controller of the CGLine 400 system. This lowers investment costs for larger-scale projects.
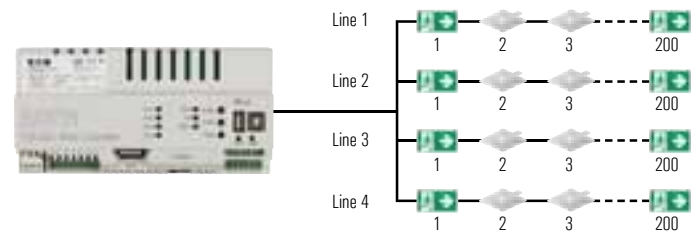
Typical installation with max. 4 lines of 200 luminaires each (above) or 2 lines of 400 luminaires each (below).
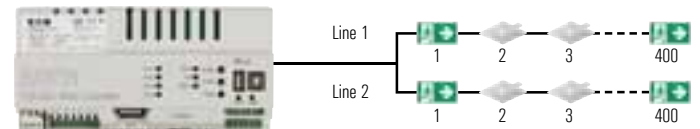
Addressing CGLine+ luminaires

Luminaires do not need to be manual addressed in the CGLine+ system. CGLine+ luminaires are fitted with a unique address by the manufacturer consisting of a six-digit ID number in hex code format. Using this address the Web-Controller identifies the luminaires automatically when the system is launched.

In addition, each luminaire can be configured to receive a short digital address and an individual name with a maximum of 20 characters. Hence it is possible to use a name which corresponds to the name of the location according to the planning documents. This simplifies the localisation of luminaires in the building and additional repair procedures can even be remotely planned in case of failure.

ID	A008F0	C00EA2	EFA03D	F645AB	46FCA8	ED3C8B
Line 1						
Numerical short address	1	2	3	4	5	6
Individual name	Exit 1st floor north	Hall 1st floor front	Hall 1st floor, mid1	Hall 1st floor, mid2	Hall 1st floor, back	Exit 1st floor south
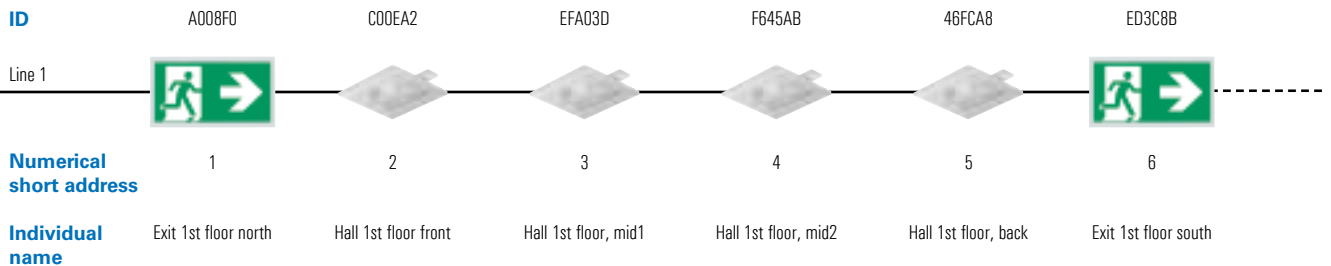
Safety under control worldwide

An integrated web server is available for convenient visualization, control and monitoring of all connected CGLine+ luminaires. The controller can be accessed from any PC with an IP connection and a regular web browser without requiring any special software. The controller provides an overview of faulty luminaires, regardless of where the maintenance personnel are located. Safety issues caused by failed luminaires can be evaluated and the relevant correct measures can be implemented. Regardless of location, completed maintenance works can then be conveniently checked. This means greater efficiency for the building operator, making it simpler to meet his obligations to eliminate any safety hazards as quickly as possible.
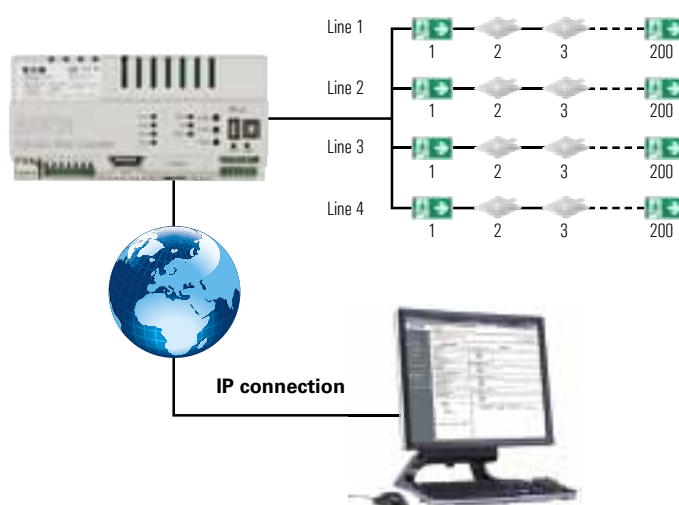
Presentation of zones on the first page in a browser view

Maintain an overview:
Allocate the luminaires to zones

Maintaining an overview is important if there are a large number of luminaires. Luminaires of each line can be allocated to up to 8 zones (up to 16 zones in case of installing only two lines). The zones can be areas where the luminaires need be brought together, for example on a floor, in an area or in a room. The exit sign luminaires can be switched off or blocked in different parts of a building which are not being used at certain times. By doing this, energy costs are reduced. By blocking the signs, unintentionally discharging batteries when the mains power is switched off is avoided, for example when maintenance work is being carried out. The zone can be used immediately after turning on the mains power, because batteries have not been discharged and the luminaires can perform their safety function immediately being unblocked.
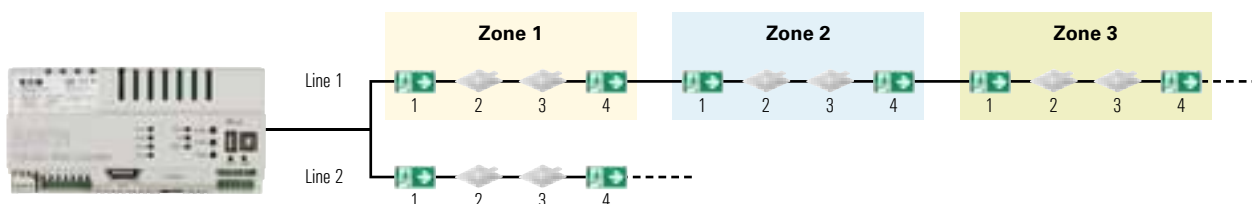
CGLine+ self-contained luminaire system

Enhanced safety by providing reliable and efficient monitoring

Tests are not forgotten, and are carried out at the right intervals for maximum safety

The timing and the intervals of regular function and duration tests can be conveniently and precisely set down to the minute, ensuring that the equipment is ready for operation at any time during the operating hours of the building. This allows luminaires to be grouped into up to eight test groups for this purpose, for example to ensure that duration testing of luminaires installed next to each other is not started at the same time. The image below shows the luminaires of a floor allocated into two test groups. The period between tests is completely adjustable.

The advantages of test groups: Up to eight test groups can be created for testing in order to guarantee the operational readiness of the entire system.

Test group 1

Test group 2

The electronic log book saves the need for manual logging

All test results are stored in the electronic log book for at least four years, in compliance with standards. The data is available directly using a web browser. The log book can be downloaded directly from the controller through a web server for further analysis of the log book in TXT or DAT file format. The DAT file can then be stored and transported using a regular USB memory stick. The CGLine+ PC software is used for reading the log book in DAT format, providing efficient and convenient analysis of the test results.

The electronic log book simplifies the requirement for the building operator to provide documentation, and it removes the need for laborious, manual logging.

The log book is available at any time using a web browser. Data are stored for at least four years in compliance with standards.

CGLine+ self-contained luminaire system

Enhanced safety by providing reliable and efficient monitoring

Automatic e-mail notification in case of faults

The integrated e-mail service automatically sends e-mails to up to ten recipients in case of allocatable events, for example in case of a luminaire failure being detected following an automatic function test. The aim of this function is to actively notify without delay those persons responsible for building safety about any faults, even if they have no direct connection with the controller at that point in time.

E-mail addresses can be divided into two groups to implement hierarchical escalation. This ensures that when a recipient in the first group is unexpectedly absent, other people are informed to ensure the safety of visitors of the building.

Integrated
e-mail function

IP connection
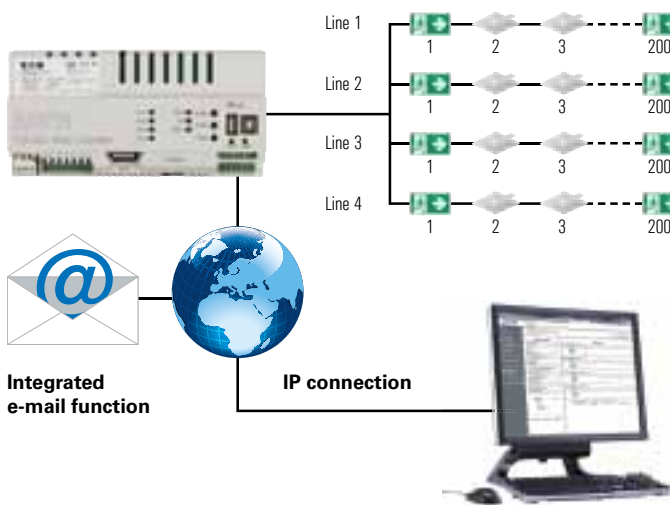
Selective assignment of commands

The web browser interface is useful for

- Blocking/unblocking instructions
- Manual starting/stopping the function test and duration tests
- Switching on/off maintained light

This can be done in detail for all luminaires, for a line, for a zone and down to individual luminaires.

Furthermore this view offers a system status overview with the most important status messages and the operating condition of the input and output contacts.

CGLine+ self-contained luminaire system
Enhanced safety by providing reliable and efficient monitoring

Keep your bearings in complex buildings

The programming of building layout function offers new opportunities. Building layouts can be loaded in the program to display the status of luminaires at the installation location on the floor. Up to 30 different building layouts can be displayed for each controller. Luminaires are displayed with colour codes according to their current status. By touching a luminaire with the mouse pointer, a status window opens up with more information about the luminaire.

The overview helps provide better orientation in the building. The situation can be judged more effectively and repairs better prioritised.

Compatibility with the CGLine 400 System

The comprehensive functionality of the CGLine+ controller can only be used in conjunction with CGLine+ luminaires. But of course CGLine+ luminaires and CGLine 400 luminaires can be connected to the CGLine+ controller in a straightforward manner in a mixed setup . In this set-up the controller operates in CGLine 400 mode only. The extended CGLine+ functions can be used only when only unmixed CGLine+ luminaires are installed. The new CGLine+ luminaires can also be used together with the proven CG controller CGLine 400 in CGLine 400 mode.

	CGLine+ luminaires	CGLine 400 luminaires
CGLine+ Controller	CGLine+ mode	CGLine 400 mode
CGLine 400 Controller	CGLine 400 mode	CGLine 400 mode

Comprehensive CGLine+ functions using CGLine+ luminaires connected to a CGLine+ controller

USB connection

Line 1
1 2 3 200

Line 2
1 2 3 200

Line 3
1 2 3 200

Line 4
1 2 3 200
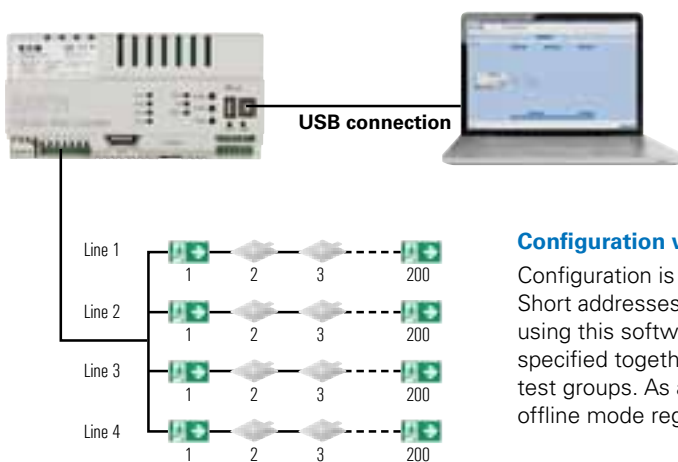
Configuration with PC software

Configuration is carried out using the CGLine+ PC software. Short addresses and unique names of luminaires can be assigned using this software; the time and interval of automatic tests are specified together with the zone assignment and the definition of test groups. As a result, the entire system can be configured in offline mode regardless of whether the IT network is available.

CGLine+ self-contained luminaire system
CGLine+ Web-Controller

CGLine+ Bus

The communication of all data and commands takes place using the CGLine+ bus installed in a free topology using a two-wire unshielded cable. Should there be a possible break in the bus cable, the additional integrated test function of each CGLine+ luminaire ensures that the tests required are performed automatically, and this is displayed on site at the luminaire. The required cross-section of the bus cable depends on the length of the wire.

Cable length of a line

Cross-section	Length	For 4 lines in total
0.5 mm²*	330 m	1,320 m
1.0 mm²	660 m	2,640 m
1.5 mm²	1,000 m	4,000 m

* e.g. J-Y(ST)Y 2 x 2 x 0,8

Electrical data per line/bus

Supply voltage Bus	Max. allowable voltage drop	Bus current
25 V DC	14 V	400 mA

Set-up of the CGLine+ Web-Controller

1 LEDs for line 1 to line 4:
It signals the sending or receiving of data between the CGLine+ Web-Controller and the CGLine+ self-contained luminaires.

• Green LED = Receiving of data by the Web-Controller

• Yellow blinking LED = Sending data to the luminaires

2 Power LED:
The green light is lit as soon as the controller is connected to the 230V/AC supply voltage.

Test LED:
• Rapid green blinking if at least 1 luminaire is undergoing a function test
• Rapid green blinking if at least 1 luminaire is undergoing an duration test

LED failure:
Showing a sum failure. Red LED light is lit if at least 1 luminaire is faulty, for example the battery has failed

3 Button:
• Service = Starts a function test for example
• System = Starts a USB connection using the USB2 port
• Reset = Hardware reset of the device

4 USB1 port (Host) for connecting a regular USB memory stick

5 USB2 port (Device), for connecting to a PC

6 PE/N/L 230V 50/60Hz

7 Connections for the CGLine+ bus, line 1 to line 4

8 RS485

9 LAN (RJ45) with LED display
• yellow = connected (link)
• green = data transfer (traffic)

10 Digital inputs and outputs:
• S1/S2 = Blocking input
• In1, In2 = 2 x digital inputs
• 11, 12, 14 / 21, 22, 24 = 2 x relay outputs
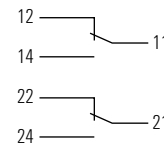
CGLine+ in operation

CGLine+ Web-Controller: With integrated memory for storing the configuration and the log book

Integrated **e-mail function**

IP connection

USB stick: To conveniently assess the log book on the PC

Line 1 — 1 2 3 200
Line 2 — 1 2 3 200
Line 3 — 1 2 3 200
Line 4 — 1 2 3 200

Visualization of up to 800 **luminaires** (4 lines with max. 200 luminaires each or 2 lines with max. 400 luminaires each, in case of non-mixed installation of CGLine+ luminaires)

PC connected to the network or an optional CGLine+ Wireless Monitoring Set: Access using the integrated web interface

CGLine+ PC software for configuration

Printer: Printing out the log book

CGLine+ Web-Controller with integrated web server

Dimensional drawings, data in mm

46,0
28,0
54,4
60,1

109,8
214
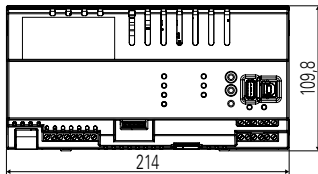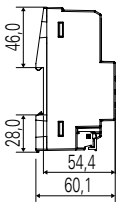
CGLine+ Web-Controller connection box

Dimensional drawings, data in mm

300
230
111
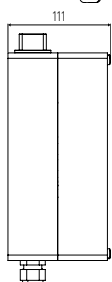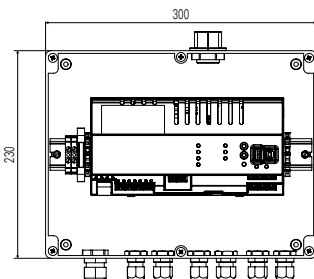
CGLine+ Web-Controller

- For connecting up to 800 luminaires in max. 4 lines
- The integrated web server enables there to be convenient visualization, control and monitoring
- Unique ID per luminaires assigned by the manufacturer
- Automatic luminaire search function requiring no manual addressing
- Simple sorting using unrestricted short address assignment
- Unrestricted entry of target location names for the luminaires with up to 20 characters
- Clearly-shown allocation of luminaires to up to 8 zones per line
- Automatic function test and duration test
- Up to 8 test groups per luminaire can be defined for the function test (FT) and duration test (DT)
- Electronic log book storage for a period of minimum 4 years
- E-mail service for sending automatic e-mail in case of malfunctions to up to 10 e-mail addresses, assignable to 2 escalation groups
- Blocking the emergency lighting function during non-operational periods (all / per bus line/ per zone / per luminaire)
- Luminaires in maintained mode switchable (all / per bus line / per zone / per luminaire)
- Password protected access as an administrator or user
- Visualization of luminaires in up to 30 different building layouts
- Efficient and convenient analysis of the log book using the CGLine+ PC software

Dimensions	214 x 109.8 x 60.1 mm
Housing type	For DIN rail 12 TE
Power supply	230 V AC, 50/60 Hz
Power consumption	< 4 W in standby, < 21 W at full load
Connection terminals	max. 2.5 mm²
Permissible ambient temperature	0 °C … 35 °C
Storage temperature	-20 °C … 70 °C
Degree of protection	IP20

Ordering details

Type	Scope of supply	Order No.
CGLine+ Web-Controller	Module in installation housing for DIN rails	40071361055

Accessories

Type	Scope of supply	Order No.
CGLine+ PC software	on CD-ROM	40071361178
CGLine+ Web-Controller connection box	CGLine+ Web-Controller in wall-mounted housing	40071361184

Mobile visualization
CGLine+ Wireless Monitoring Set

CGLine+ Wireless Monitoring Set

The CGLine+ Wireless Monitoring Set enables wireless visualization of CGLine+ Web-Controllers on a tablet via an integrated web browser. Access by other WiFi devices including notebooks and smartphones can be done with ease. This practical solution has the advantage of accessing the status and detailed information of every luminaire, easily and at any time using the CGLine+ Intranet, regardless of its installed location. This way, a wired network connection close to the luminaire is no longer required.

This clearly makes maintenance work easier. After repairing a luminaire, a function test for the relevant luminaire can be started on site to directly check that the luminaire is operative. Because the result is recorded directly in the electronic log book, paper-based protocols can be dropped.

Installation example

Current status indicator of all CGLine+ luminaires at all times in the web browser of a tablet or smartphone

WiFi
(wireless network connection)

CGLine+ web interface and preconfigured WiFi access point incl. 24V/DC mains adapter
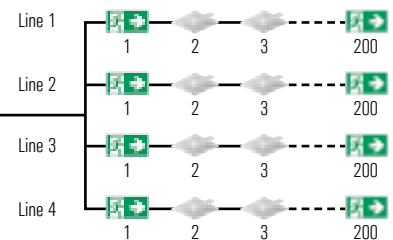
CGLine+ WiFi connection box + iPad* Air

+

Dimensional drawing connection box, data in mm
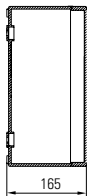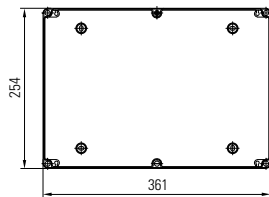
CGLine+ Wireless Monitoring Set

- Wireless visualization of up to 800 CGLine+ self-contained luminaires – no wired network connection close to the luminaire required
- Accessing detailed information of every luminaire – regardless of its installed location
- Function test can be started on site to directly check that the luminaire is operative
- Location-independent access to the electronic workbook
- Integrated WiFi access point
- Convenient operation via a web browser and touchscreen
- Apple iPad* Air, 32 GB, WiFi, grey included in the monitoring set

CGLine+ WiFi connection box

Dimensions in mm (H x W x D)	360 x 255 x 165
Housing type	Plastic wall-mounted housing
Power supply	230 V AC, 50/60 Hz
Power consumption	< 8.5 Watts standby < 25.5 Watts full load
Connection terminals	max. 2.5 mm^2
Permissible Ambient temperature	0 °C … 35 °C
Storage temperature	-20 °C … 70 °C
Degree of protection	IP54

Ordering details

Type	Scope of supply	Order No.
CGLine+ WiFi connection box	CGLine+ Web-Controller + WiFi access point in a wall-mounted housing	40071361275
CGLine+ Wireless Monitoring Set	CGLine+ WiFi connection box + iPad* Air, 32 GB, WiFi, grey	40071361274

* iPad is a registered trademark of Apple Inc., registered in the USA and other countries.

Ease of Visualisation

CGLine+ Touchscreen Controller

CGLine+ Touchscreen Controller

The CGLine+ Touchscreen Controller combines the Web Controller and a 10-inch touchscreen in a single housing.

This product combines the power of the Web-Controller (monitoring of up-to 800 self-contained luminaires) with the ease of using an intuitive touchscreen interface.

This enables visualisation of the status of all luminaires connected to the system.

There are three Touchscreen Controller packages available:

1. CGL+ CGVision Touchscreen S/Controller

- CGLine+ Web-Controller
- 10.1 Inch Touchscreen
- CGVision Touchscreen Software

This Touchscreen package allows full configuration and visualisation of a single CGLine+ system.

2. CGL+ CGVision Touchscreen G/Controller

- CGLine+ Web-Controller
- Ethernet connection
- 10.1 Inch Touchscreen
- CGVision Touchscreen software

This Touchscreen package allows full configuration and visualisation of the intergrated CGLine+ Web-Controller and up-to 9 external Web-Controllers via ethernet.

3. CGL+ Web Touchscreen Controller

- CGLine+ Web-Controller
- Ethernet connection
- 10.1 Inch Touchscreen
- Embedded Web-browser

This Touchscreen package is compatible with central CGVision software and allows full configuration and visualisation of the integrated CGLine+ Web-Controller and up-to 32 external Web-Controllers via Ethernet.

Building layouts can be uploaded for enhanced identification of luminaires.

1. Stand-alone visualisation

Line 1 1 2 3 200
Line 2 1 2 3 200
Line 3 1 2 3 200
Line 4 1 2 3 200

or

Line 1 1 2 3 200
Line 2 1 2 3 200
Line 3 1 2 3 200
Line 4 1 2 3 200
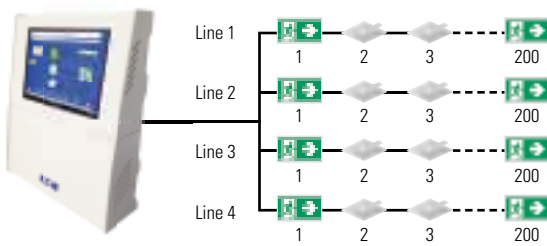
CGL+ CGVision Touchscreen S/Controller

• Visualisation with CGVision Touchscreen software
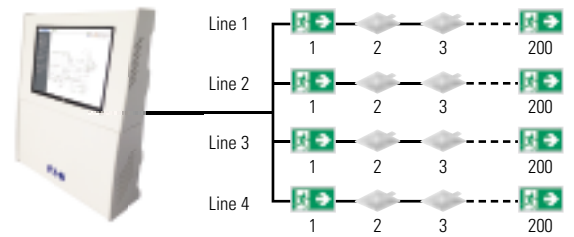
CGL+ Web Touchscreen Controller

• Web based visualisation
• Building layout functionality

2. Group visualisation with CGL+ Touchscreen G/Controller

Fully centralized configuration and monitoring of **up to 9** external
CGLine+ Web Controllers or CGL+ Web Touchscreen Controllers via
CGL+ CGVision Touchscreen G/Controller

CGLine+ Web Controller

Line 1 1 2 3 200
Line 2 1 2 3 200
Line 3 1 2 3 200
Line 4 1 2 3 200

Line 1 1 2 3 200
Line 2
Line 3
Line 4

CGL+ Web Touchscreen Controller

Line 1 1 2 3 200
Line 2 1 2 3 200
Line 3 1 2 3 200
Line 4 1 2 3 200

Ethernet TCP / IP
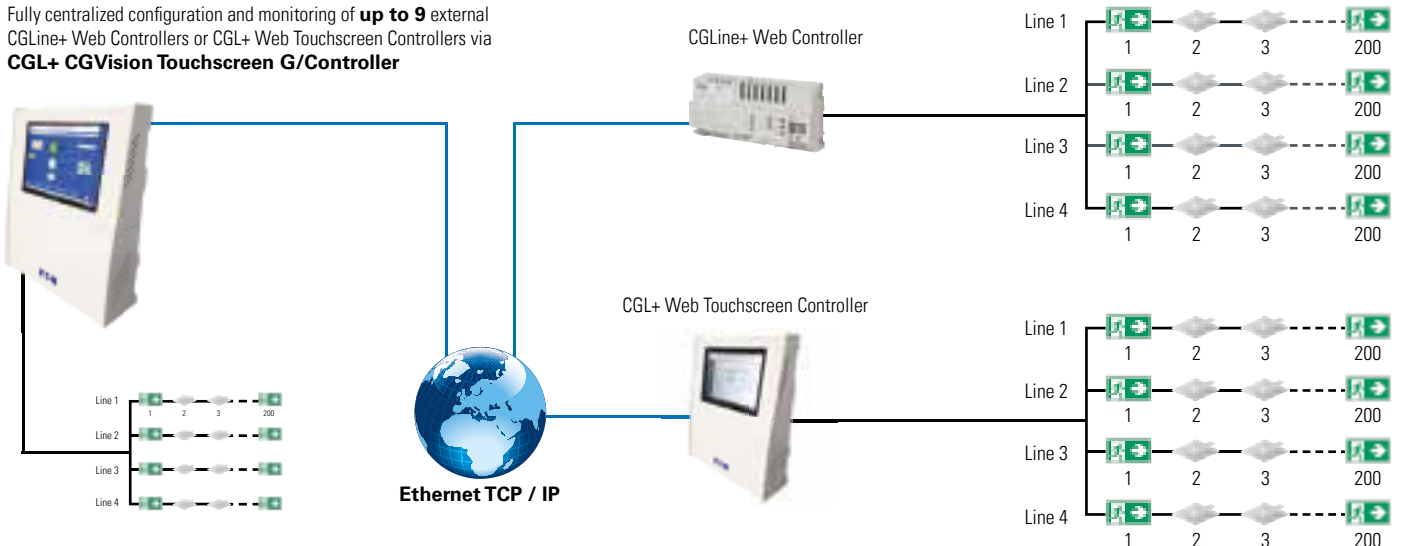
3. Web-based group visualisation with CGLine+ Web Touchscreen Controller

Fully centralized configuration and monitoring of CGLine+
Web Controllers & Web Touchscreen Controllers via
CGLine+ Web Touchscreen Controller

CGLine+ Web Controller

Line 1 1 2 3 200
Line 2 1 2 3 200
Line 3 1 2 3 200
Line 4 1 2 3 200

Line 1 1 2 3 200
Line 2
Line 3
Line 4

CGLine+ Web Touchscreen Controller

Line 1 1 2 3 200
Line 2 1 2 3 200
Line 3 1 2 3 200
Line 4 1 2 3 200

Ethernet TCP / IP
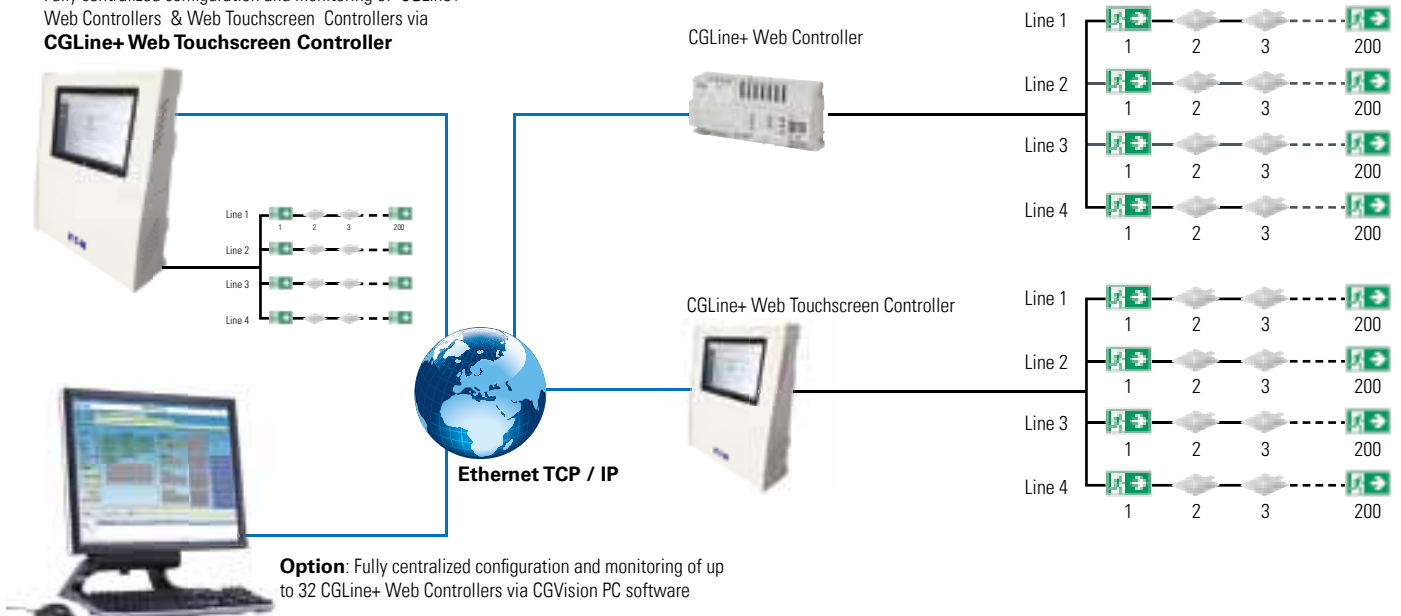
Option: Fully centralized configuration and monitoring of up
to 32 CGLine+ Web Controllers via CGVision PC software

Ease of Visualisation

CGLine+ Touchscreen Controller

CGLine+ Web-based visualisation

Fully centralized monitoring of up to 10 CGLine+ Web Controllers and Web Touchscreen Controllers:
- Secure access with username and password
- Building layout display
- Blocking / Rest mode function for all luminaires
- Manual function and duration tests (all, group or single luminaire)
- Logbook stores events and test results for a minimum of 4 years in compliance with standards.
- Customisable automatic E-Mail dispatch if faults occur
- Full description of the system : See page 6 to 9

CGVision Touchscreen software

Home screen:
- Sum status display of up to 10 CGLine+ Web-Controller and all luminaires (Operation, Battery operation, Sum Failure)
- Blocking / Rest mode function for all luminaires with PIN code protection
- Manual function and duration test of all luminaires
- Logbook stores events and test results for a minimum of 4 years in compliance with standards.
- Easy selection between 19 user languages

System screen:
- Overview of the system

Zone screen:
- Overview of the zone

CGLine+ Touchscreen Controller

Dimensional drawing Controller, data in mm
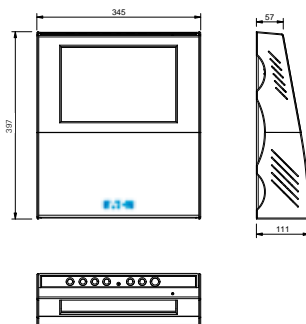
CGLine+ Touchscreen Controllers

- 10,1 inch Touchscreen IPS display with WIN10
- For connecting up to 800 luminaires in max. 4 lines
- Unique ID per luminaire assigned by the manufacturer
- Automatic luminaire search function requiring no manual addressing
- Simple sorting using unrestricted short address assignment
- Unrestricted entry of target location names for the luminaires with up to 20 characters
- Clearly-shown allocation of luminaires to up to 16 zones per line
- Automatic function and duration test of luminaires, with customisable time/date settings
- Up to 8 test groups per luminaire can be defi ned for the function test (FT) and duration test (DT)
- Electronic log book storage for a period of minimum 4 years
- Blocking the emergency lighting function during non-operational periods (all / per bus line/ per zone / per luminaire)
- Luminaires in maintained mode switchable (all / per bus line / per zone / per luminaire)
- Password protected access as an administrator or user
- Visualization of luminaires in up to 30 different building layouts
- Efficient and convenient analysis of the log book using the CGLine+ PC software

CGL+ CGVision Touchscreen S/Controller - Specific features :
• CGVision Touchscreen Software allows full configuration and visualisation of the integrated CGLine+ Web Controller.

CGL+ CGVision Touchscreen G/Controller - Specific features :
• Ethernet connection
• CGVision Touchscreen Software allows full configuration and visualisation of the integrated CGLine+ Web Controller and up to 9 external controllers/installations via ethernet.
• E-mail service for sending automatic e-mail in case of malfunctions to up to 10 e-mail addresses, assignable and 2 escalation groups

CGLine+ Web Touchscreen Controller - Specific features :
• Ethernet connection
• Web-browser allows a visualisation of the integrated CGLine+ Web Controller and up to 9 external connected CGLine+ Web Controller via ethernet.
• Easy access web-based visualisation
• Building layouts could be loaded and used to localized faulty luminaires.
• Compatible with central CGVision software.
• E-mail service for sending automatic e-mail in case of malfunctions to up to 10 e-mail addresses, assignable and 2 escalation groups

Dimensions in mm (H × W × D)	345 × 397 × 111
Housing type	Plastic, wall-mounted housing
Power supply	230 V AC, 50/60 Hz
Power consumption	< 12 watts standby < 38 watts full load
Connection terminals	max. 2.5 mm^2 flexible
Permissible Ambient temperature	0 ° to 35 °C
Storage temperature	0 ° to 35 °C
Degree of protection	IP 20

Ordering details

| Type	Scope of supply	Order No.
CGLine+ Web Touchscreen Controller	Web-based visualisation via integrated web-browser of any no. of networked CGL+ Web Touchscreen Controller or CGLine+ Web Controller. A networked CGVision PC allows a full configuration and monitoring of up to 32 CGline+ Controllers	40071361056
CGL+ CGVision Touchscreen S/Controller	CGL+ CGVision Touchscreen S/Controller: Stand alone operation with full configuration and monitoring	40071361083
CGL+ CGVision Touchscreen G/Controller	CGL+ CGVision Touchscreen G/Controller: Group visualisation with full configuration and monitoring of up to 9 external CGL+ Controllers	40071361084

Accessory

Type	Scope of supply	Order No.
CGLine+ PC software	on CD-ROM	40071361178

CGLine+ self-contained luminaire system
CGVision in the CGLine+ Web-Controller

CGVision in the CGLine+ Web-Controller

The Web-Controller can be connected to CGVision, the powerful visualization software, to create the largest configuration level of the CGLine+ system. In this set-up, up to 32 CGLine+ Web-Controllers can be visualised at once.

Using CGVision both CGLine+ luminaire systems and other emergency lighting systems (for example ZB-S, LP-STAR, AT-S+) can be monitored with a single software. There is no difficulty in extending an existing system.

CGVision takes over all the control and test functions, and it generates a comprehensive electronic log book for all connected systems- and does so completely automatically.

In order to keep an eye on a large amount of equipment, for example at a large plant or an airport, the state of the individual emergency lighting systems can be presented on an aerial photo or a site plan. The building layout helps visualise individual luminaires.

Access of any PC via the web server of the CGLine+ Web-Controller can also be carried out if it is connected to CGVision. Thus for example, large, multi-building facilities can be configured and monitored centrally using CGVision. Additionally service technicians can have an overview of areas of interest to them using the Web-Controller.

Installation example

CGLine+ Web-Controller with integrated memory for storing the configuration and the log book

Line 1 — 1 2 3 200
Line 2 — 1 2 3 200
Line 3 — 1 2 3 200
Line 4 — 1 2 3 200

IP-Verbindung

Up to 32 Web-Controller with max. 800 luminaires each = 25.600 luminaires
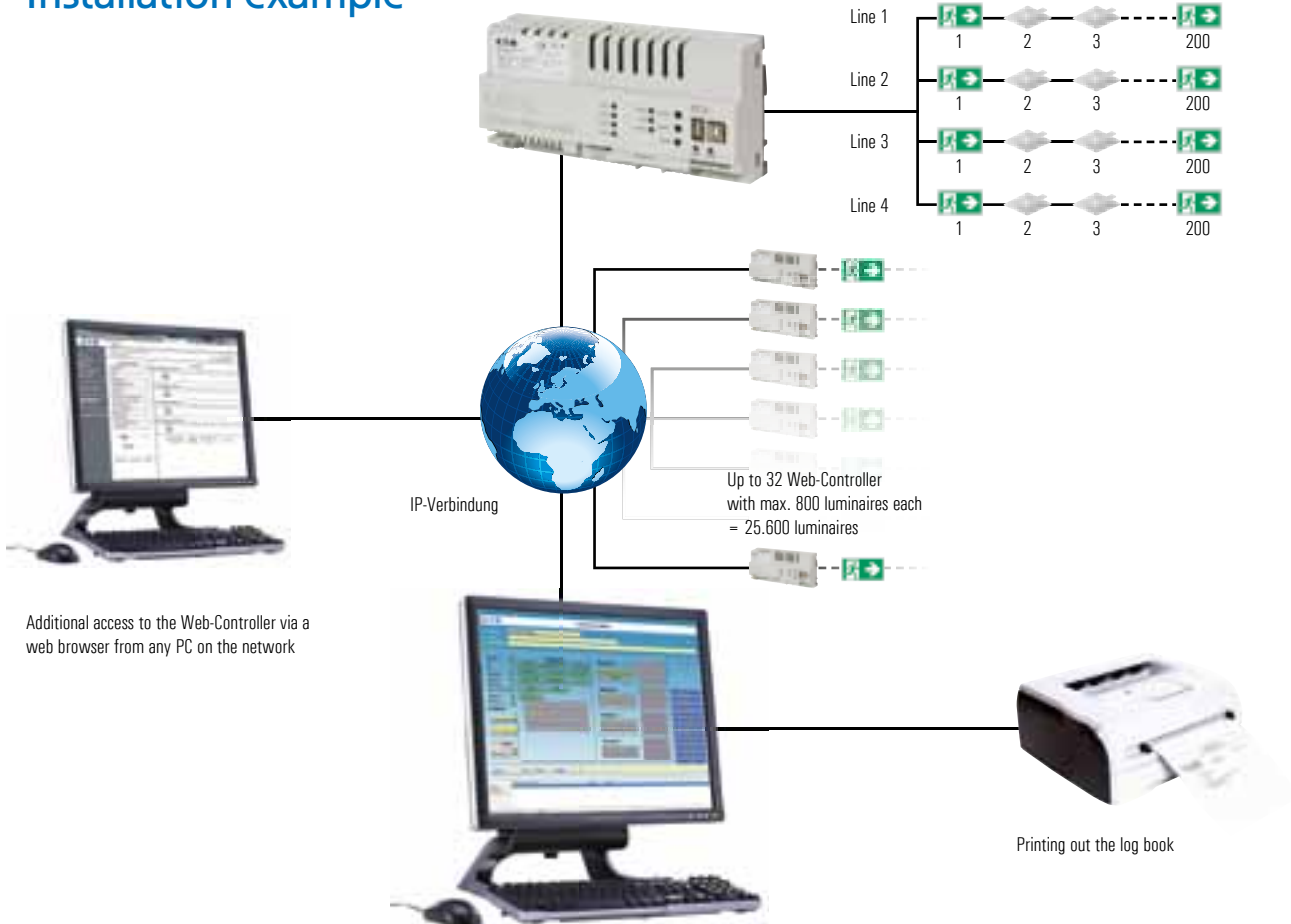
Additional access to the Web-Controller via a web browser from any PC on the network

Printing out the log book

CGVision: Configuration und complete visualization of all luminaires

Example for use of CGVision Package I

IP router   ZB-S   AT-S⁺   CG2000   LP-STAR

CG-S Bus

F3 remote indication

24 V

I/O ethernet module

Ethernet

CGLine+ Web-Controller

CGLine+ Bus

Line 1 — 1 — 2 — 3 — 200
Line 2 — 1 — 2 — 3 — 200
Line 3 — 1 — 2 — 3 — 200
Line 4 — 1 — 2 — 3 — 200

IP connection   CGLine 400 Web-Interface

CGLine 400 Bus

Line 1 — 1 — 2 — 3 — 100
Line 2 — 1 — 2 — 3 — 100
Line 3 — 1 — 2 — 3 — 100
Line 4 — 1 — 2 — 3 — 100

Ethernet

CGVision PC

USB dongle for
CGVision package I

EGA/COM
server

EGA
interface 2

RS 232

EGA

EuroZB.1   EuroZB.1   EuroZB.1

Max. 32

ZB96   ZB96   ZB96

Max. 32

CGVision ordering details

Scope of supply	Order No.
CGVision Basic Package I (with CG-S/IP interface)	40071361020
CGVision Basic Package II (EGA components to be ordered separately)	40071361022
CGVision Basic Package III (with CG-S/USB interface, EGA components to be ordered separately)	40071361024
CGVision Pro Package I (including CG-S/IP interface and visualization in a building layout)	40071361021
CGVision Pro Package II (including visualization in a building layout, EGA components to be ordered separately)	40071361023
CGVision Pro Package III (including CG-S/IP-Interface and visualization in a building layout, EGA components to be ordered separately)	40071361025
PC-Anywhere remote maintenance software, 2nd licence 1 x host, 1 x remote	40071347151

For a detailed description and ordering information, see section CGVision in the emergency lighting main catalogue.
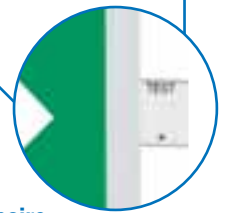
CGLine+ self-contained luminaires

The CGLine+ self-contained luminaire series are available in the widest variety of housing shapes and protection ratings, and they offer a wide range of application options.

What all luminaires have in common is the CGLine+ functionality: In autonomous operation mode (without bus connection), the electronics fully automate the necessary function tests and duration tests. Test results are shown directly at the luminaire. CGLine+ luminaires are generally suitable for maintained and non-maintained mode.

The full potential of CGLine+ electronics is only utilised if the luminaires are connected to the controlling CGLine+ Web-Controller using the standard bus interface.

Amongst other things, this ensures decentralised monitoring of luminaires and allows the blocking of the device, for example during non-operational periods, and reduces expenditure linked with keeping the required log book by storing all results. Even a larger-scale project comprising a great number of self-contained luminaires can be operated cost-efficiently, and safety is monitored in compliance with the regulations.

In addition, optimised lighting technology ensure an economical emergency lighting system. Variations with highly-efficient LEDs bring even greater improvements. Particularly low installed loads and an LED lifetime of 50,000 hours minimise energy and maintenance costs.

Characteristics of CGLine+ self-contained luminaires:

- Automatic function test and duration test
- All luminaires are suitable for maintained and non-maintained mode
- High-efficiency LEDs for low energy and maintenance costs
- Pictogram illumination compliant with standards
- Complies with the requirements of DIN EN 60598-2-22

Status display with fault analysis using multi-coloured LEDs directly on the luminaire

Operation mode	LED	
No failure	●	green light on
Emergency mode	○	LED is off
Delay on mains return	✳/✳	blinks green/yellow alternately at 0.5 Hz
Function test active / Duration test active	✳	blinks green at 1 Hz
Luminaire blocked	✳/✳	blinks green/yellow alternately at 1 Hz

Error messages	LED	
Charge fault / Function test failed / Duration test failed	✳	yellow light blinks slowly at 0.5 Hz
Luminaire fault	★	yellow light blinks rapidly at 2 Hz

Definitions of product feature icons

Icon	Definition	Icon	Definition
20 m	Viewig distance, here: 20 m		Suitable for outdoor use
	Light output, here: single-sided	DIN 4844	According to DIN 4844
LED	LED light source	EN 1838	According to EN 1838
	Protection class 1		Suitable for use in food processing industry e.g. acc. HACCP or IFS
	Protection class 2		ENEC certified
IP20	Degree of protection, here: IP20	Li-Ion	With Lithium-ion battery
IK10	Degree of mechanical impact resistance, here: IK10	CG+ Line	With CGLine+ technology
	Luminaire with limited surface temperature		

	Installation			Battery			Operation			Applications						
	Indoor	Recessed	Outdoor	Ni-Cd	Ni-Mh	Li-Ion	Maintained	Non-Maintained	Autotest	Hospitals	Hotels	Cinemas/Theaters	Schools	Offices	Industrial	Warehouse
CrystalWay CGLine+	●	●				●	●		●	●	●	●		●		
GuideLed 10811, 10812 CGLine+	●	●				●	●	●	●	●	●	●		●		
GuideLed 11811, 11812 CGLine+	●	●				●	●	●	●	●	●	●		●		
GuideLed 10821, 10822, 10823, 10824 CGLine+	●	●				●	●	●	●	●	●	●		●		
GuideLed 11821, 11822, 11823, 11824 CGLine+	●	●				●	●	●	●	●	●	●		●		
GuideLed 10825, 10826 CGLine+	●	●				●	●	●	●	●	●	●		●		
GuideLed 11825, 11826 CGLine+	●	●				●	●	●	●	●	●	●		●		
Style Variant 28011 LED CGLine+	●					●	●	●	●	●	●			●	●	●
Style Variant 28021 LED CGLine+	●					●	●	●	●	●	●			●	●	●
Style Industry 48011 LED CGLine+	●					●	●	●	●	●	●		●		●	●

	Installation			Battery			Operation			Applications						
	Indoor	Recessed	Outdoor	Ni-Cd	Ni-Mh	Li-Ion	Maintained	Non-Maintained	Autotest	Hospitals	Hotels	Cinemas/Theaters	Schools	Offices	Industrial	Warehouse
Exit Cube 33822 LED CGLine+	●					●	●	●		●	●	●				
Brillant 1883, 1884, 1984 LED CGLine+	●	●				●	●	●		●	●	●		●		
71811 LED CGLine+	●					●	●	●		●		●	●			●
71821 LED CGLine+	●	●				●	●	●		●	●	●		●		
Style Variant 58011 ... 58021 LED CGLine+	●	●				●	●	●		●			●	●		●
6811 LED CGLine+	●		●			●	●	●	●	●	●			●	●	●
Atlantic LED CGLine+	●		●			●	●	●		●	●				●	●
Planète 45 Tube ADR CGLine+	●		●	●				●	●						●	●
Briteblade	●	●	●				●	●		●	●	●	●	●		
Britesign 2	●		●				●			●	●			●		
Planète 45 ADR CGLine+	●		●				●			●	●			●	●	

CrystalWay CGLine+

Escape sign panel self-contained luminaires

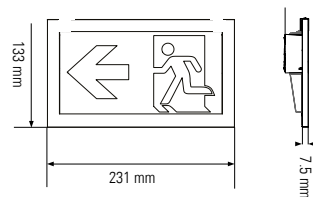| 20 m | 30 m | LED | |
| Li-Ion | IP42 | CG⁺Line | DIN 4844 |
| EN 60598-2-22 | EN 62034 | AT | |

Wall-surface mounting

Ceiling-surface mounting

CrystalWay 20m
Wall-surface mounting

133 mm / 231 mm / 7.5 mm

Ceiling-surface mounting

202 mm / 47 mm / 22 mm / 133 mm / 231 mm / 7.5 mm

CrystalWay 30m
Wall-surface mounting

183 mm / 331 mm / 30 mm / 7.5 mm

Ceiling-surface mounting

302 mm / 47 mm / 22 mm / 183 mm / 331 mm / 7.5 mm

CrystalWay 19821, 19822 CGLine+

- LED self-contained luminaire with automatic test for reduced inspection effort
- For autonomous installation or connection to the CGLine+ monitoring system
- Perfect homogeneity and uniformity of the pictogram's illuminance
- Frameless design with pictogram integrated in acrylic glass
- Same aesthetic either in wall or ceiling mounting
- Unobtrusiveness , thin & slim electronic base (Height: only 22mm)
- 2 sizes of pictogram : for 20m and 30m viewing distance
- Brightness selectable in mains operation (eg.standard: 500Cd/m^2 or theater: 50Cd/m^2)
- Selectable operating time (1h, 3h, 5h, 8h operation)
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum maintenance effort and increased safety via use of LEDs with high service life (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 Cd/m2 according to DIN 4844-1 / ISO 3864-1 (for bright surroundings), and high uniformity Lmin/Lmax > 0.8
- Simple fault analysis and status display via bicolor LED and testing button
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)
- Configurable product for wall or ceiling mounting
- Delivered with non adhesive pictograms for most of existing configurations (single & double sided signage)
- Complete range of accessories (suspension kit, recessed bases, vertical pictograms, recessed box)

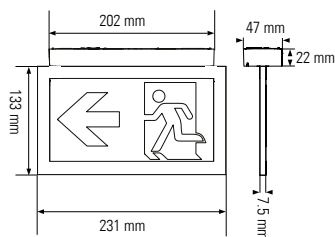|	
Pictogram	
Viewing distance	20m and 30m
Included labels	PL / PR / PU / PA /BL
	Single sided signage arrow under, right,left
	Double sided signage arrow right, arrow left
Luminous flux Φ_E/Φ_N at end of rated operating time	100 % at 1 h; 45 % at 3 h; 25 % at 5 h; 18 % at 8 h
Testing system	Automatic test in compliance with EN 62034
	Connection possible to the CGLine+ monitoring system
Housing	
Type of mounting	Wall surface-mounting, Ceiling surface-mounting
Material	Polycarbonate
Colour	RAL9001
Degree of protection	IP 42 & IK 04
Terminals	Screwless terminals (L, L', N, PE, GGLine+ bus) for flexible and rigid wires From 0,5 to 2,5 mm^2
Connection voltage	220-240 Vac 50-60 Hz
Permissible ambient temperature	+5°C to +35°C
Battery	CrystalWay19821 : Li-Ion 3,6 V/620 mAh
	CrystalWay19822 : Li-Ion 3,6 V/1240 mAh
Light source	CrystalWay19821 : Replaceable 24 LEDs strip
	CrystalWay19822 : Replaceable 38 LEDs strip
Weight	CrystalWay19821 : 0,4 kg
	CrystalWay19822 : 0,7 kg

Ordering details

Product	Viewing distance	Picto (mm)	Duration	Consumption Max 500 Cd	50 Cd	Order No.
CrystalWay 19821 1-8h/D CGLine+	20m	100 x 200	1/3/5/8h	4,1 W	2,3 W	40071354590
CrystalWay 19822 1-8h/D CGLine+	30m	150 x 300	1/3/5/8h	5,8 W	2,5 W	40071354591

LUM10319
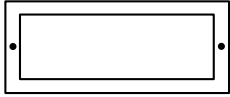
LUM10573

Ordering details - accessories

Product		Order N° CrystalWay 19821	Order N° CrystalWay 19822
TL CGLine+ for rest mode command		LUM10319	LUM10319
Wire suspension kit		LUM10560	LUM10560
Recessed base		LUM10561	LUM10562
Recessed base with cover		LUM10563	LUM10564
Recessed box		LUM10565	LUM10566
Base for optional cable access		LUM10567	
Horizontal pictogram Arrow Under PU, ISO 7010		LUM10573	LUM10587
Horizontal pictogram Arrow Left PL, ISO 7010		LUM10574	LUM10588
Horizontal pictogram Arrow Right PR, ISO 7010		LUM10575	LUM10589
Horizontal pictogram Arrow Above PA, ISO 7010		LUM10577	LUM10591
Vertical pictogram Arrow Under PU, ISO 7010		LUM10584	LUM10592
Vertical pictogram Arrow Left PL, ISO 7010		LUM10585	LUM10593
Vertical pictogram Arrow Right PR, ISO 7010		LUM10586	LUM10594

GuideLed 10811, 10812 CGLine+

Exit sign luminaire, wall mounting

20 m		LED	
IP20 *	IP20	DIN 4844	
Li-Ion	CG+ Line	EN 62034	AT

10811 CGLine+ with LED pictogram PR

226 · 41 · 134
202 · 20 · 96 · 4.5 · 3

10812 CGLine+ with LED pictogram PR

226 · 56 · 134 · 88 · 20 · 19.5
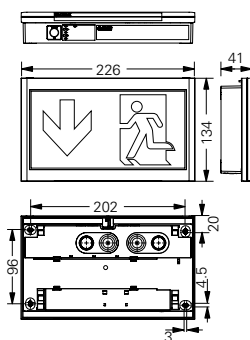203 · 27 · 100 · 27 · 16 · 91 · 66 · 3 · 4.6
185

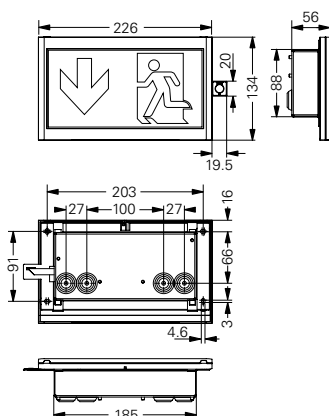Please ensure clearance of 10 mm above the luminaire.
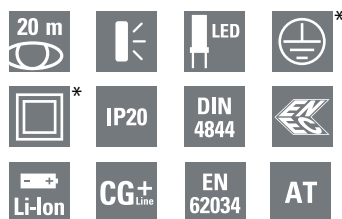
GuideLed 10811, 10812 CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum maintenance effort and increased safety via use of LEDs with high service life (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m^2 according to DIN 4844-1 / ISO 3864-1 (for bright surroundings), and high uniformity L_{min}/L_{max} > 0.8
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Viewing distance	20 m
Luminous flux Φ_E/Φ_N at end of rated operating time	100 % at 1 h; 80 % at 3 h; 25 % at 8 h
Housing material	Polycarbonate, PMMA, sheet steel (semi-recessed wall housing)
Housing colour	Light grey RAL 7035
Weight	0.64 kg (10811 CGLine+) 0.84 kg (10812 CGLine+)
Type of mounting	Wall surface-mounting, insulation class II (protective earth required) Semi-recessed wall mounting; insulation class I
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm^2 CGLine+ bus through-wiring up to 1.5 mm^2
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power / effective power)	4.8 VA / 4.1 W
Permissible ambient temperature	Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery	Lithium ion 3.7 V/2000 mAh with multiple protective circuit
Light source	LED strip

Ordering details – mounting set

Scope of delivery	Order No.
Wall mounting set for GuideLed 10811 1-8h/D CGLine+ and 11811 1-8h/D CGLine+, surface mounted, incl. LED supply and CGLine+ technology, 20 m and 30 m	40071353260
Wall mounting set for GuideLed 10812 1-8h/D CGLine+, recessed mounting of LED supply and CGLine+ technology, 20 m	40071353261

Ordering details – LED pictograms (fastening set required)

Scope of delivery		Order No.
LED pictogram PL for GuideLed 10x11/10x12, ISO 7010, 20 m		40071354500
LED pictogram PR for GuideLed 10x11/10x12, ISO 7010, 20 m		40071354501
LED pictogram PU for GuideLed 10x11/10x12, ISO 7010, 20 m		40071354502

* 10811: Protection class 2
  10812: Protection class 1

30 m

LED

*

IP20

DIN 4844

Li-Ion

CG+Line

EN 62034

AT

11811 CGLine+ with LED pictogram PR

326 | 41 | 184

202 | 96 | 4.5 | 3

11812 CGLine+ with LED pictogram PR

326 | 56 | 20 | 88 | 184

185 | 19.5

203 | 27 | 100 | 27 | 16 | 66 | 3 | 91

4.6

Please ensure clearance of 10 mm above the luminaire.

GuideLed 11811, 11812 CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum maintenance effort and increased safety via use of LEDs with high service life (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m^2 according to DIN 4844-1 / ISO 3864-1 (for bright surroundings), and high uniformity L_{min}/L_{max} > 0.8
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

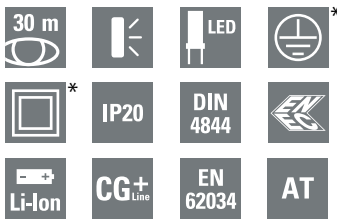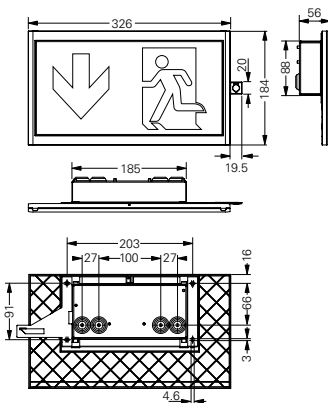|	
Viewing distance	30 m
Luminous flux Φ_E/Φ_N at end of rated operating time	100 % at 1 h; 50 % at 3 h; 15 % at 8 h
Housing material	Polycarbonate, PMMA, sheet steel (semi-recessed wall housing)
Housing colour	Light grey RAL 7035
Weight	0.77 kg (11811 CGLine+) 0.97 kg (11812 CGLine+)
Type of mounting	Wall surface-mounting, insulation class II (protective earth required) Semi-recessed wall mounting; insulation class I
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm^2 CGLine+ bus through-wiring up to 1.5 mm^2
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power / effective power)	5.3 VA / 4.7 W
Permissible ambient temperature	Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery	Lithium ion 3.7 V/2000 mAh with multiple protective circuit
Light source	LED strip

Ordering details – mounting set

Scope of delivery	Order No.
Wall mounting set for GuideLed 10811 1-8h/D CGLine+ and 11811 1-8h/D CGLine+, surface mounted, incl. LED supply and CGLine+ technology, 20 m and 30 m	40071353260
Wall mounting set for GuideLed 11812 1-8h/D CGLine+, recessed mounting of LED supply and CGLine+ technology, 30 m	40071353262

Ordering details – LED pictograms (fastening set required)

Scope of delivery		Order No.
LED pictogram PL for GuideLed 11x11/11x12, ISO 7010, 30 m	←	40071354530
LED pictogram PR for GuideLed 11x11/11x12, ISO 7010, 30 m	→	40071354531
LED pictogram PU for GuideLed 11x11/11x12, ISO 7010, 30 m	↓	40071354532

GuideLed 10821, 10822, 10823, 10824 CGLine+

Exit sign luminaire, ceiling mounting

20 m		LED	⏚	*
☐ *	IP40	DIN 4844		
Li-Ion	CG+ Line	EN 62034	AT	

10821 CGLine+ with LED pictogram PL/PR

10822 CGLine+ with LED pictogram PL/PR
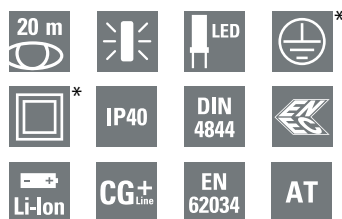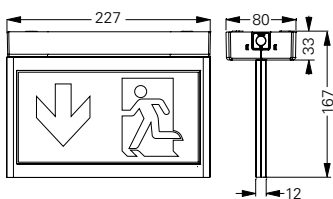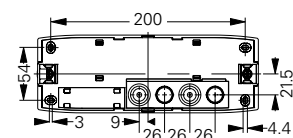

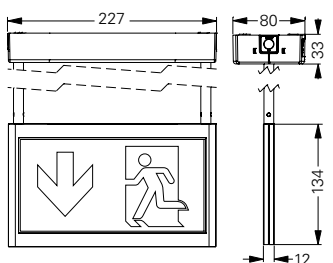## GuideLed 10821, 10822, 10823, 10824 CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum maintenance effort and increased safety via use of LEDs with high service life (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m² according to DIN 4844-1 / ISO 3864-1 (for bright surroundings), and high uniformity L_{min}/L_{max} > 0.8
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Viewing distance		20 m
Luminous flux Φ_E/Φ_N at end of rated operating time	one sided	100 % at 1 h; 80 % at 3 h; 25 % at 8 h
	double sided	100 % at 1 h; 50 % at 3 h; 15 % at 8 h
Housing material		Polycarbonate, PMMA, sheet steel (recessed housing)
Housing colour		Light grey RAL 7035
Weight		0.70 kg (10821 CGLine+)
		0.80 kg (10822 CGLine+)
		0.85 kg (10823 CGLine+)
		1.06 kg (10824 CGLine+)
Type of mounting		Ceiling, suspended mounting; insulation class II (protective earth required) recessed ceiling mounting; insulation class I
Terminals		Through-wiring from mains (L, L′, N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage		220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power / effective power)	one sided	4.8 VA / 4.1 W
	double sided	5.6 VA / 5.1 W
Permissible ambient temperature		Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery		Lithium ion 3.7 V/2000 mAh with multiple protective circuit
Light source		LED strip

Ordering details – mounting set

Scope of delivery	Order No.
Ceiling mounting set 10821 1-8h/D CGLine+ with canopy, incl. LED supply and CGLine+ technology, 20 m	40071353264
Ceiling mounting set 10822 1-8h/D CGLine+ with canopy and 0.5 m pendant tube, incl. LED supply and CGLine+ technology, 20 m	40071353265
Ceiling mounting set 10823 1-8h/D CGLine+ with canopy and 1.5 m pendant tube, incl. LED supply and CGLine+ technology, 20 m	40071353266
Ceiling mounting set 10824 1-8h/D CGLine+ incl. ceiling recessing housing (sheet steel) for ceiling thicknesses 1 to 25 mm and ceiling plate, incl. LED supply and CGLine+ technology, 20 m	40071353267

Accessories

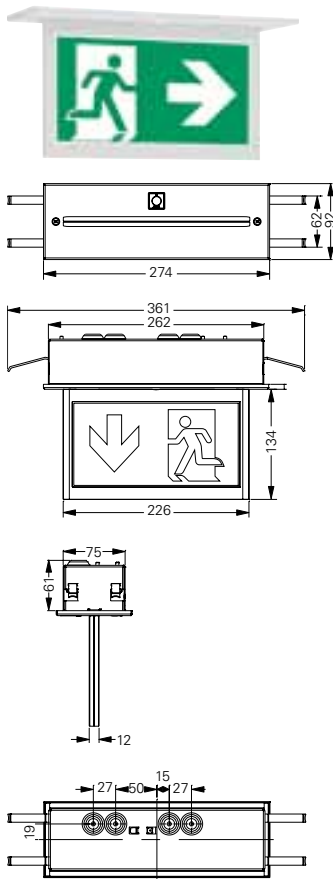| Scope of delivery	Order No.
Add-on housing for GuideLed ceiling surface-mounted 1082x, for expanded accommodation for wiring and cable entry, incl. through-wiring terminal and wiring to luminaire	40071353639
Chain suspension for GuideLed 10821/11821 1-8h/D CGLine+	40071353624
Recessing housing for concrete for GuideLed 10824 1-8h/D CGLine+	40071353520

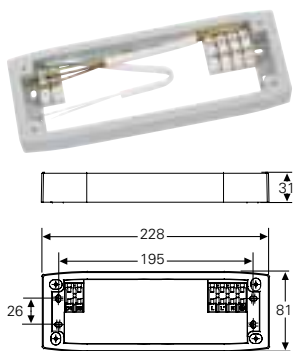* 10821, -22, -23: Protection class 2
  10824: Protection class 1

10824 CGLine+ with LED pictogram PL/PR

Ordering details – LED pictograms (fastening set required)

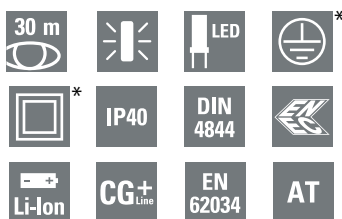| Scope of delivery		Order No.
LED pictogram PL/PR, for GuideLed 10x21/10x22/10x23/10x24, ISO 7010, 20 m		40071354503
LED pictogram PU/PU, for GuideLed 10x21/10x22/10x23/10x24, ISO 7010, 20 m		40071354504
LED pictogram PL/BL, for GuideLed 10x21/10x22/10x23/10x24, ISO 7010, 20 m		40071354505
LED pictogram PR/BL, for GuideLed 10x21/10x22/10x23/10x24, ISO 7010, 20 m		40071354506
LED pictogram PU/BL, for GuideLed 10x21/10x22/10x23/10x24, ISO 7010, 20 m		40071354507
LED pictogram PL/PR-R*, for GuideLed 10x21/10x22/10x23/10x24, ISO 7010, 20 m		40071354508
LED pictogram PL/PR-W*, for GuideLed 10x21/10x22/10x23/10x24, ISO 7010, 20 m		40071354509

* R = arrow direction room
  W = arrow direction wall

Add-on housing for expanded accommodation for wiring and cable entry

GuideLed 11821, 11822, 11823, 11824 CGLine+

Exit sign luminaire, ceiling mounting

30 m		LED	
IP40		DIN 4844	
Li-Ion	CG+	EN 62034	AT

*

11821 CGLine+ with LED pictogram PL/PR
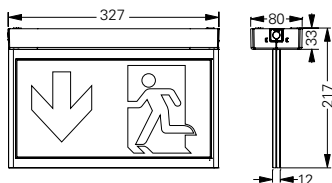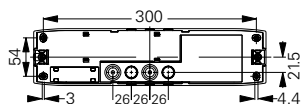
GuideLed 11821, 11822, 11823, 11824 CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum maintenance effort and increased safety via use of LEDs with high service life (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m² according to DIN 4844-1 / ISO 3864-1 (for bright surroundings), and high uniformity L_{min}/L_{max} > 0.8
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Viewing distance		30 m
Luminous flux Φ_E/Φ_N at end of rated operating time	one sided	100 % at 1 h; 50 % at 3 h; 15 % at 8 h
	double sided	85 % at 1 h; 25 % at 3 h; 8 % at 8 h
Housing material		Polycarbonate, PMMA, sheet steel (recessed housing)
Housing colour		Light grey RAL 7035
Weight		1.04 kg (11821 CGLine+) 1.14 kg (11822 CGLine+) 1.19 kg (11823 CGLine+) 1.65 kg (11824 CGLine+)
Type of mounting		Ceiling, suspended mounting; insulation class II (protective earth required) recessed ceiling mounting; insulation class I
Terminals		Through-wiring from mains (L, L′, N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage		220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power / effective power)	one sided	5.3 VA / 4.7 W
	double sided	6.6 VA / 6.3 W
Permissible ambient temperature		Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery		Lithium ion 3.7 V/2000 mAh with multiple protective circuit
Light source		LED strip

11822 CGLine+ with LED pictogram PL/PR
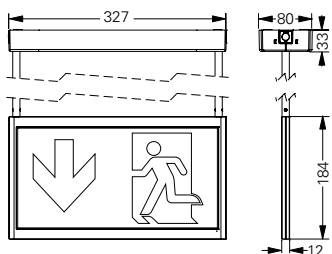
Ordering details – mounting set

Scope of delivery	Order No.
Ceiling mounting set 11821 1-8h/D CGLine+ with canopy, incl. LED supply and CGLine+ technology, 30 m	40071353269
Ceiling mounting set 11822 1-8h/D CGLine+ with canopy and 0.5 m pendant tube, incl. LED supply and CGLine+ technology, 30 m	40071353270
Ceiling mounting set 11823 1-8h/D CGLine+ with canopy and 1.5 m pendant tube, incl. LED supply and CGLine+ technology, 30 m	40071353271
Ceiling mounting set 11824 1-8h/D CGLine+ incl. ceiling recessing housing for ceiling thicknesses 1 to 25 mm and ceiling plate, incl. LED supply and CGLine+ technology, 20 m	40071353272

Accessories

Scope of delivery	Order No.
Chain suspension for GuideLed 10821/11821 1-8h/D CGLine+	40071353624
Recessing housing for concrete GuideLed 11824 1-8h/D CGLine+	40071353530

* 11821, -22, -23: Protection class 2
11824: Protection class 1

11824 CGLine+ with LED pictogram PL/PR
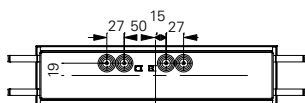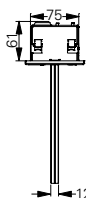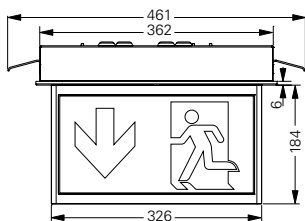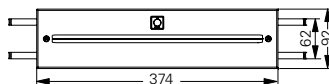
Ordering details – LED pictograms (fastening set required)

Scope of delivery		Order No.
LED pictogram PL/PR, for GuideLed 11x21/11x22/11x23/11x24, ISO 7010, 30 m		40071354533
LED pictogram PU/PU, for GuideLed 11x21/11x22/11x23/11x24, ISO 7010, 30 m		40071354534
LED pictogram PL/BL, for GuideLed 11x21/11x22/11x23/11x24, ISO 7010, 30 m		40071354535
LED pictogram PR/BL, for GuideLed 11x21/11x22/11x23/11x24, ISO 7010, 30 m		40071354536
LED pictogram PU/BL, for GuideLed 11x21/11x22/11x23/11x24, ISO 7010, 30 m		40071354537
LED pictogram PL/PR-R*, for GuideLed 11x21/11x22/11x23/11x24, ISO 7010, 30 m		40071354538
LED pictogram PL/PR-W*, for GuideLed 11x21/11x22/11x23/11x24, ISO 7010, 30 m		40071354539

* R = arrow direction room
  W = arrow direction wall

GuideLed 10825, 10826 CGLine+

Exit sign luminaire, ceiling mounting with cable

20 m		LED	
IP40		DIN 4844	
Li-Ion	CG+ Line	EN 62034	AT

10825 CGLine+ with LED pictogram PL/PR
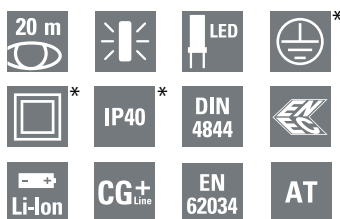
GuideLed 10825, 10826 CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum maintenance effort and increased safety via use of LEDs with high service life (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m² according to DIN 4844-1 / ISO 3864-1 (for bright surroundings), and high uniformity $L_{min}/L_{max} > 0.8$
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Viewing distance		20 m
Luminous flux Φ_E/Φ_N at end of rated operating time	one sided	100 % at 1 h; 80 % at 3 h; 25 % at 8 h
	double sided	100 % at 1 h; 50 % at 3 h; 15 % at 8 h
Housing material		Polycarbonate, PMMA, sheet steel (10826)
Housing colour		Light grey RAL 7035
Weight		0.71 kg (10825 CGLine+)
		1.24 kg (10826 CGLine+)
Type of mounting	10825	Cable suspension (drop height max. 1.5 m); insulation class II (protective earth required)
	10826	Cable suspension (drop height max. 1.5 m); insulation class I
Terminals		Through-wiring from mains (L, L', N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage		220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power / effective power)	one sided	4.8 VA / 4.1 W
	double sided	5.6 VA / 5.1 W
Permissible ambient temperature		Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery		Lithium ion 3.7 V/2000 mAh with multiple protective circuit
Light source		LED strip

Ordering details – mounting set

Scope of delivery	Order No.
Cable installation set 10825 1-8h/D CGLine+ with LED supply integrated in canopy and CGLine+ technology, 20 m	40071353268
Cable installation set 10826/11826 1-8h/D CGLine+ with ceiling cable holders, LED supply and CGLine+ technology for mounting in cavity ceiling, 20 m and 30 m	40071353263

* 10825: Protection class 2
10826: Protection class 1

Degree of protection of the luminaire 10826: IP40

Degree of protection of the housing: IP20
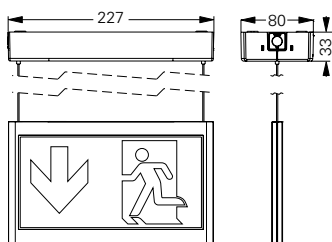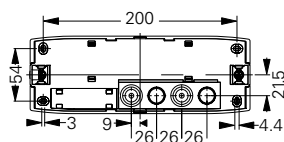
10826 CGLine+ with LED pictogram PL/PR

Ordering details – LED pictograms (fastening set required)

| Scope of delivery		Order No.
LED pictogram PL/PR, for GuideLed 10x25/10x26 (cable installation), ISO 7010, 20 m		40071354510
LED pictogram PU/PU, for GuideLed 10x25/10x26 (cable installation), ISO 7010, 20 m		40071354511
LED pictogram PL/BL, for GuideLed 10x25/10x26 (cable installation), ISO 7010, 20 m		40071354512
LED pictogram PR/BL, for GuideLed 10x25/10x26 (cable installation), ISO 7010, 20 m		40071354513
LED pictogram PU/BL, for GuideLed 10x25/10x26 (cable installation), ISO 7010, 20 m		40071354514
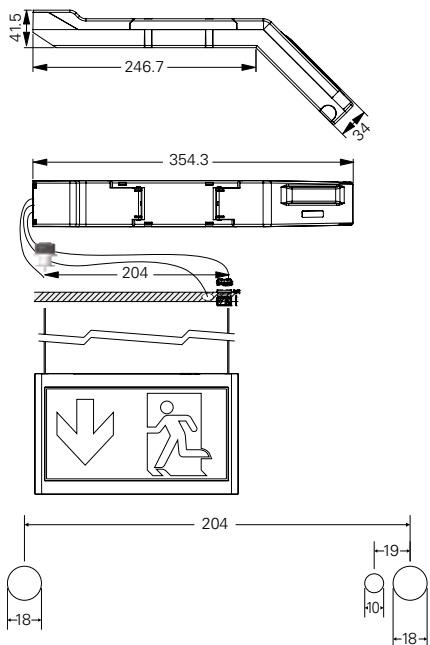
Hole pattern ceiling 10826 CGLine+
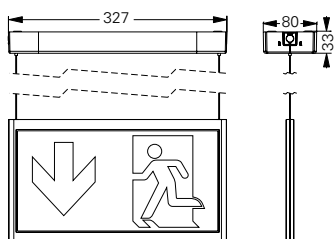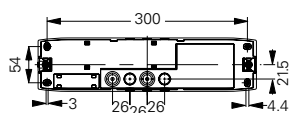
GuideLed 11825, 11826 CGLine+

Exit sign luminaire, ceiling mounting with cable

30 m		LED	
	IP40	DIN 4844	
Li-Ion	CG+Line	EN 62034	AT

11825 CGLine+ with LED pictogram PL/PR
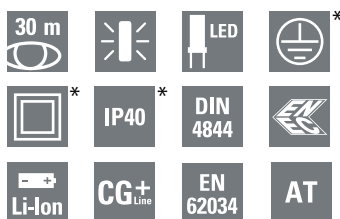
GuideLed 11825, 11826 CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum maintenance effort and increased safety via use of LEDs with high service life (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m² according to DIN 4844-1 / ISO 3864-1 (for bright surroundings), and high uniformity L_{min}/L_{max} > 0.8
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Viewing distance		30 m
Luminous flux Φ_E/Φ_N at end of rated operating time	one sided double sided	100 % at 1 h; 50 % at 3 h; 15 % at 8 h 85 % at 1 h; 25 % at 3 h; 8 % at 8 h
Housing material		Polycarbonate, PMMA, sheet steel (11826)
Housing colour		Light grey RAL 7035
Weight		1.06 kg (11825 CGLine+) 1.57 kg (11826 CGLine+)
Type of mounting	10825	Cable suspension (drop height max. 1.5 m); insulation class II (protective earth required)
	10826	Cable suspension (drop height max. 1.5 m); insulation class I
Terminals		Through-wiring from mains (L, L', N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage		220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power / effective power)	one sided double sided	5.3 VA / 4.7 W 6.6 VA / 6.3 W
Permissible ambient temperature		Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery		Lithium ion 3.7 V/2000 mAh with multiple protective circuit
Light source		LED strip

Ordering details – mounting set

Scope of delivery	Order No.
Cable installation set 11825 1-8h/D CGLine+ with LED supply integrated in canopy and CGLine+ technology, 30 m	40071353273
Cable installation set 10826/11826 1-8h/D CGLine+ with ceiling cable holders, LED supply and CGLine+ technology for mounting in cavity ceiling, 20 m and 30 m	40071353263

* 11825: Protection class 2
11826: Protection class 1

Degree of protection of the luminaire 11826:
IP40
Degree of protection of the housing: IP20

11826 CGLine+ with LED pictogram PL/PR

Ordering details – LED pictograms (fastening set required)

Scope of delivery		Order No.
LED pictogram PL/PR, for GuideLed 11x25/11x26 (cable installation), ISO 7010, 30 m		40071354540
LED pictogram PU/PU, for GuideLed 11x25/11x26 (cable installation), ISO 7010, 30 m		40071354541
LED pictogram PL/BL, for GuideLed 11x25/11x26 (cable installation), ISO 7010, 30 m		40071354542
LED pictogram PR/BL, for GuideLed 11x25/11x26 (cable installation), ISO 7010, 30 m		40071354543
LED pictogram PU/BL, for GuideLed 11x25/11x26 (cable installation), ISO 7010, 30 m		40071354544

41.5

246.7

34

354.3

304

304

19

18

18
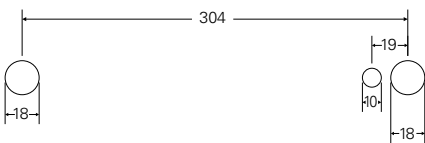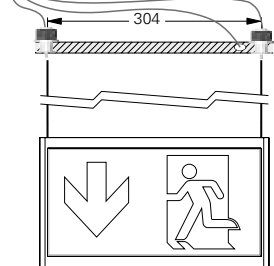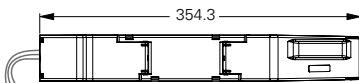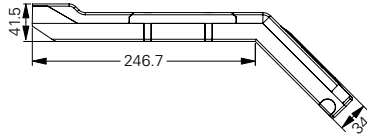
Hole pattern ceiling 11826 CGLine+

Style Variant 28011 LED CGLine+

Exit sign luminaire

32 m IP41 EN 62034 LED DIN 4844 AT Li-Ion CG+Line
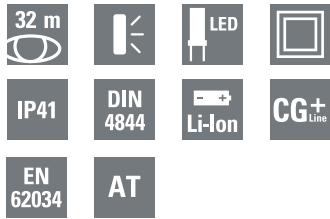
28011 LED CGLine+ with cover PR

Style Variant 28011 LED CGLine+

- Self-monitoring LED self-contained luminaire for stand-alone operation or for connection to the self-contained luminaire monitoring system CGLine+
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum service requirement due to high service life of the LEDs (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m^2 according to DIN 4844-1 / ISO 3864-1 (for bright surroundings)
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Viewing distance	32 m
Luminous flux Φ_E/Φ_N at end of rated operating time	100 % at 1 h; 70 % at 3 h; 25 % at 8 h
Housing material	Polycarbonate (850 °C glow wire resistant)
Housing colour	Light grey, sim. RAL 7035
Weight	1.1 kg
Type of mounting	Wall mounting
Terminals	Through-wiring from mains (L, L′, N, PE) up to 2.5 mm^2 CGLine+ bus through-wiring up to 1.5 mm^2
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power/effective power)	7 VA / 6.6 W
Permissible ambient temperature	Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery	Lithium-Ion 3.7 V/4000 mAh with multiple protective circuit
Light source	3 x HighPower LEDs

Ordering details

| Type	Scope of delivery	Order No.
Exit sign luminaire 28011 1-8h/D LED CGLine+ (Set)	Luminaire, single-sided, inklusive transparent cover and 3 pictogram foils PL, PR, PU	40071354817
Exit sign luminaire 28011 1-8h/D LED CGLine+	Luminaire, single-sided, without cover	40071354815
Cover PL acc. to ISO 7010	Cover with silkscreened pictogram	40071354130
Cover PR acc. to ISO 7010	Cover with silkscreened pictogram	40071354131
Cover PU acc. to ISO 7010	Cover with silkscreened pictogram	40071354132

Accessories

Type	Order No.
Wire guard	40071348370
IP54 set* for 28011 LED CGLine+	40071354748

*) IP54 for electronic and lamp. For increased tightness requirements indoors or in canopied outdoor areas.

32 m · IP41 · DIN 4844 · LED · Li-Ion · CG+ Line · EN 62034 · AT

28021 LED CGLine+ with cover PR

28021 LED CGLine+

28021 LED CGLine+ with ceiling mounting

28021 LED CGLine+ with wall bracket

Ceiling mounting

Chain fastening

Wall bracket

Style Variant 28021 LED CGLine+

- Self-monitoring LED self-contained luminaire for stand-alone operation or for connection to the self-contained luminaire monitoring system CGLine+
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum service requirement due to high service life of the LEDs (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m² according to DIN 4844-1 / ISO 3864-1 (for bright surroundings)
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

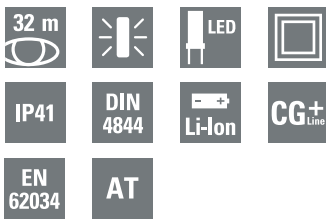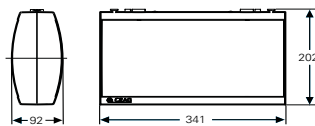|	
Viewing distance	32 m
Luminous flux Φ_E/Φ_N at end of rated operating time	87 % at 1 h; 45 % at 3 h; 15 % at 8 h
Housing material	Polycarbonate (850 °C glow wire resistant)
Housing colour	Light grey, sim. RAL 7035
Weight	1.1 kg
Type of mounting	Ceiling mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power/effective power)	8.8 VA / 8.3 W
Permissible ambient temperature	Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery	Lithium-Ion 3.7 V/4000 mAh with multiple protective circuit
Light source	4 x HighPower LEDs

Ordering details

Type	Scope of delivery	Order No.
Exit sign luminaire 28021 1-8h/D LED CGLine+ (Set)	Luminaire, double-sided, inklusive transparent cover and 3 pictogram foils PL, PR, PU	40071354818
Exit sign luminaire 28021 1-8h/D LED CGLine+	Luminaire, double-sided, without cover	40071354816
Cover PL acc. to ISO 7010	Cover with silkscreened pictogram	40071354130
Cover PR acc. to ISO 7010	Cover with silkscreened pictogram	40071354131
Cover PU acc. to ISO 7010	Cover with silkscreened pictogram	40071354132

Accessories

Type	Scope of delivery	Order No.
Ceiling mounting	for ceiling mounting and chain fastening with chain link diameter < 5 mm	40071350432
Suspension set 0.5 m	with canopy	40071350400
Chain fastening[1]	ring-eyelet	40071351158
Wall bracket		40071350418

[1] for chain link diameter from 5 to 12 mm ceiling mounting 40071350432 required

Style Industry 48011 LED CGLine+

Exit sign luminaire

32 m		LED	
IP41	IP54	DIN 4844	Li-Ion
CG+ Line	EN 62034	AT	

48011 LED CGLine+ IP41 with cover PR

344   80

200

290
30

48011 LED CGLine+ IP54 with cover PR

345   82

206

Style Industry 48011 LED CGLine+

- Self-monitoring LED self-contained luminaire for stand-alone operation or for connection to the self-contained luminaire monitoring system CGLine+
- Robust aluminium housing with powder coating, IP54 as an option for increased tightness requirements indoors
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum service requirement due to high service life of the LEDs (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m^2 according to DIN 4844-1 / ISO 3864-1 (for bright surroundings)
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)
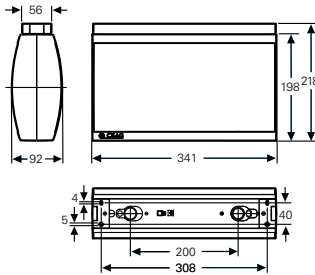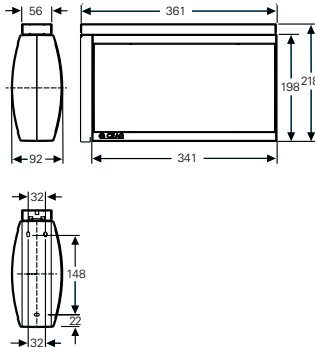
Viewing distance	32 m
Luminous flux Φ_E/Φ_N at end of rated operating time	100 % at 1 h; 70 % at 3 h; 25 % at 8 h
Housing material	Aluminium
Housing colour	Light grey, sim. RAL 7035
Weight	IP41 2.1 kg IP54 2.9 kg
Type of mounting	Wall mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm^2 CGLine+ bus through-wiring up to 1.5 mm^2
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power/effective power)	7 VA / 6.6 W
Permissible ambient temperature	Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery	Lithium-Ion 3.7 V/4000 mAh with multiple protective circuit
Light source	3 x HighPower LEDs

Ordering details

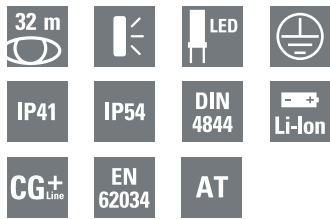| Type	Scope of delivery		Order No.
48011 1-8h/D LED CGLine+ IP41	Luminaire housing IP41, without cover		40071352822
48011 1-8h/D LED CGLine+ IP54	Luminaire housing IP54, without cover		40071352823
Cover PL acc. to ISO 7010	Cover with silkscreened pictogram		40071354130
Cover PR acc. to ISO 7010	Cover with silkscreened pictogram		40071354131
Cover PU acc. to ISO 7010	Cover with silkscreened pictogram		40071354132

Accessories

Type	Scope of delivery	Order No.
Wire guard		40071348370
2 x M20 cable glands		40071348422

20 m | | **LED** |
IP40 | **IK07** | **DIN 4844** | **Li-Ion**
CG+Line | **EN 62034** | **AT**

Exit Cube 33822 LED CGLine+

Dimensions in mm
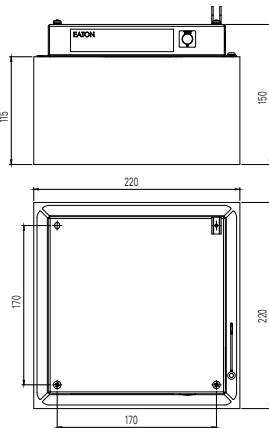
Wall bracket

Chain mounting kit

Cable mounting kit

Replacement escape sign cube

Exit Cube 33822 LED CGLine+

- Exit sign cube with LED Technology for large, wide areas, e.g. warehouses or retail areas
- LED self-contained luminaire with automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Robust design with impact-resistance of IK07
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum maintenance effort via use of LEDs with high service life (50.000 hours)
- Modular design of the polycarbonate cube enables simple and safe mounting by just sliding cube onto installed luminaire
- Easy and flexible mounting options with space to land cables- Ceiling, wall, cable and chain.
- Optimal perceptibility due to high luminance of the white contrasting colour (>500 cd/m^2) acc. DIN 4844-1 / ISO 3864-1 (for bright environments) and high uniformity Lmin/Lmax > 0,4 (in mains operation)
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Viewing Distance	20 m
Luminous flux Φ_E/Φ_N at the end of rated operating time	87 % at 1 h; 45 % at 3 h, 15 % at 8 h
Housing material	Cube: Polycarbonate; Enclosure: Stainless steel
Housing colour	White RAL 9010
Weight	Enclosure 1.1 kg Cube: 0.6 kg
Type of mounting	Ceiling, Wall mounting
Connection terminals	Through-wiring from mains (L, L´, N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Power input	220-240 V AC, 50/60 Hz
Power consumption mains opteration (apparent power / effective power)	8.8 VA / 8.3 W
Permissable temperature range	Maintained mode-5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery	Lithium-Ionen 3.7 V / 4000 mAh with multiple protective circuit
Light source	HighPower LEDs 4 x 1 W

Ordering details

Scope of delivery	Order No
Exit Cube 33822 1-8h/D LED CGLine+: Enclosure and exit sign cube, for 20 m viewing distance with LED Supply and CGLine+ Technology silkscreened pictograms (arrow left, right, down) acc. to ISO 7010	40071353420

Ordering details accessories

Scope of delivery	Order No
Wall bracket incl. attachments	40071353444
Chain mounting kit with 4 eyelets (chain not included)	40071353457
Cable mounting kit with 4 fasteners and cables, adjustable hanging height (max 1.5 m)	40071353443
Replacement escape sign cube (20 m viewing distance) silkscreened pictograms (arrow left, right, down) acc. to ISO 7010	40071354450

Brillant 1883, 1884, 1984 LED CGLine+

Escape sign panel luminaire

IP20 | 850°C | DIN 4844 | EN 1838
Li-Ion | CG+ Line | EN 62034 | AT
20/28 m | LED

1883 LED CGLine+

Cut: 327.0⁺²·⁵
310.0
Cut: 75.0⁺²·⁵
72.0
119.0
134.0 / 128.0
242.0
340.0
24
100.0

1884 LED CGLine+

Cut: 387.0⁺²·⁵
370.0
Cut: 75.0⁺²·⁵
72.0
119.0
192.0 / 186.0
320.0
400.0
24
100.0
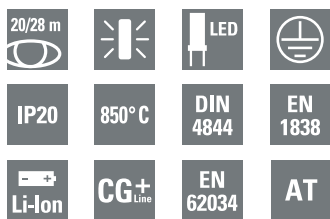
Brillant 1883, 1884, 1984 LED CGLine+

- Self-monitoring LED self-contained luminaire for stand-alone operation or for connection to the self-contained luminaire monitoring system CGLine+
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum service requirement due to high service life of the LEDs (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m² according to DIN 4844-1 / ISO 3864-1 (for bright surroundings)
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Viewing distance	1883	20 m
	1884, 1984	28 m
Luminous flux Φ_E/Φ_N at end of rated operating time	1883	100 % at 1h; 46 % at 3h; 12 % at 8h
	1884, 1984	85 % at 1h; 22 % at 3h; 6 % at 8h
Housing material	1883, 1884	Sheet steel, bezel polycarbonate (850 °C glow wire resistant)
	1984	Aluminium
Housing colour		white, sim. RAL 9010
Weight	1883	2.9 kg
	1884, 1984	3.9 kg
Type of mounting	1883, 1884	Recessed ceiling mounting
	1984	Ceiling surface mounting
Terminals		Through-wiring from mains (L, L', N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage		220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power/effective power)	1883	6.1 VA / 5.5 W
	1884, 1984	7.2 VA / 6.7 W
Permissible ambient temperature		Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery		Lithium-Ion 3.7 V / 2000 mAh with multiple protective circuit
Light source		LED strip

Ordering details

Type		Order No.
Panel luminaire 1883 1-8h/D LED CGLine+	for recessed ceiling mounting, without panel, plastic bezel white, sim. RAL 9010	40071354824
Panel luminaire 1884 1-8h/D LED CGLine+	for recessed ceiling mounting, without panel, plastic bezel white, sim. RAL 9010	40071354825
Panel luminaire 1984 1-8h/D LED CGLine+	for surface ceiling mounting, without panel, white, sim. RAL 9010	40071354826

1883 and 1884:
Required recess height: 120mm /
Clamping range of the fixing angles for
ceiling thickness up to 35 mm

1984 LED CGLine+
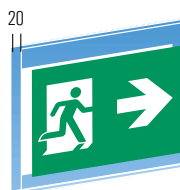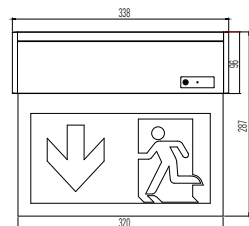
Panel PL/PR

Concrete mounting box

Ordering details for panel 1883

Type	Scope of delivery		Order No.
Panel PL/PR acc. to ISO 7010	Two-sided pictogram panel	← →	40071354620
Panel PU/PU acc. to ISO 7010	Two-sided pictogram panel	↓ ↓	40071354621
Panel PU/BL acc. to ISO 7010	Two-sided pictogram panel	↓	40071354622

Ordering details for panel 1884, 1984

Type	Scope of delivery		Order No.
Panel PL/PR acc. to ISO 7010	Two-sided pictogram panel	← →	40071354630
Panel PU/PU acc. to ISO 7010	Two-sided pictogram panel	↓ ↓	40071354631
Panel PU/BL acc. to ISO 7010	Two-sided pictogram panel	↓	40071354632

Accessories

Type	Scope of delivery	Order No.
Concrete mounting box for 1883	for installation in concrete ceilings	40071348725
Concrete mounting box for 1884	for installation in concrete ceilings	40071341710
Mounting kit for 1883/1884	for installation in concrete mounting box	40071341721
Suspension set 0.5 m for 1984	with canopy	40071350517
Wall bracket for 1984	RAL 9010	40071349910
Wall mounting parallel for 1984	RAL 9010	40071349852
Chain fastening for 1984		40071348723

71811 LED CGLine+

Exit sign luminaire

32 m		LED	
IP41	DIN 4844	Li-Ion	CG+ Line
EN 62034	AT		

71811 LED CGLine+ with cover PR

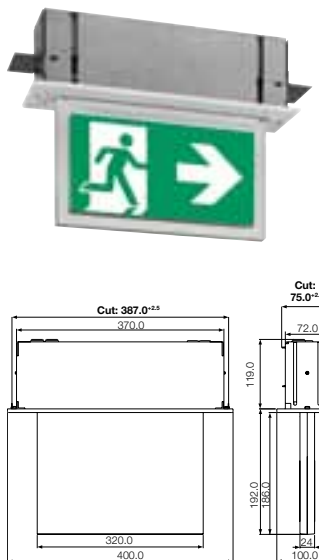**71811 LED CGLine+**

- Self-monitoring LED self-contained luminaire for stand-alone operation or for connection to the self-contained luminaire monitoring system CGLine+
- Enclosure made of slim aluminium profile, anodised, with mitre cut
- No tools necessary for installation of silkscreen pictograms
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum service requirement due to high service life of the LEDs (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m² according to DIN 4844-1 / ISO 3864-1 (for bright surroundings)
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Viewing distance	32 m
Luminous flux Φ_E/Φ_N at end of rated operating time	100 % at 1 h; 70 % at 3 h; 25 % at 8 h
Housing material	Aluminium
Housing colour	Aluminium, anodized
Weight	1.1 kg
Type of mounting	Wall mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power/effective power)	7 VA / 6.6 W
Permissible ambient temperature	Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery	Lithium-Ion 3.7 V/4000 mAh with multiple protective circuit
Light source	3 x HighPower LEDs

Ordering details

Type	Scope of delivery		Order No.
Exit sign luminaire 71811 1-8h/D LED CGLine+	single-sided, without cover		40071354827
Cover PL acc. ISO 7010	Cover with pictogram	←	40071354240
Cover PR acc. ISO 7010	Cover with pictogram	→	40071354241
Cover PU acc. ISO 7010	Cover with pictogram	↓	40071354242

Accessories

Type	Scope of delivery	Order No.
Wire guard		40071348370

71821 LED CGLine+

- Self-monitoring LED self-contained luminaire for stand-alone operation or for connection to the self-contained luminaire monitoring system CGLine+
- Enclosure made of slim aluminium profile, anodised, with mitre cut
- No tools necessary for installation of silkscreen pictograms
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum service requirement due to high service life of the LEDs (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m² according to DIN 4844-1 / ISO 3864-1 (for bright surroundings)
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)
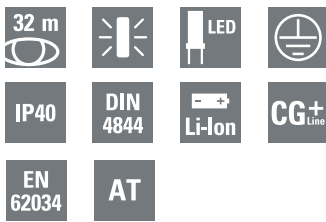
71821 CGLine+ WM with cover PR
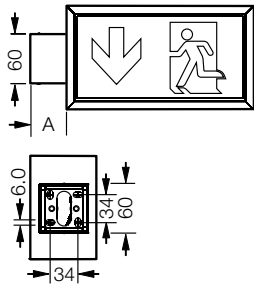
71821 CGLine+ WM

71821 CGLine+ PM

71821 CGLine+ DM

Viewing distance	32 m
Luminous flux Φ_E/Φ_N at end of rated operating time	87 % at 1 h; 45 % at 3 h; 15 % at 8 h
Housing material	Aluminium
Housing colour	Aluminium, anodized
Weight	1.7 kg
Type of mounting	Ceiling, pendant, chain or wall bracket mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power/effective power)	8.8 VA / 8.3 W
Permissible ambient temperature	Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery	Lithium-Ion 3.7 V/4000 mAh with multiple protective circuit
Light source	4 x HighPower LEDs

Ordering details

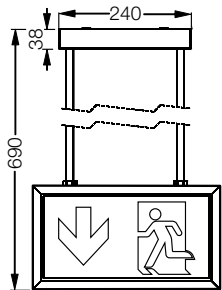| Type	Scope of delivery	Order No.
Exit sign luminaire 71821 1-8h/D LED CGLine+ WM	double-sided, without cover, wall mounting	40071354828
Exit sign luminaire 71821 1-8h/D LED CGLine+ DM	double-sided, without cover, ceiling mounting	40071354829
Exit sign luminaire 71821 1-8h/D LED CGLine+ PM	double-sided, without cover, pendant mounting	40071354830
Cover PL ISO 7010	Cover with pictogram	40071354240
Cover PR ISO 7010	Cover with pictogram	40071354241
Cover PU ISO 7010	Cover with pictogram	40071354242
Blind cover	Cover without pictogram	40071351197

Accessories

Type	Scope of delivery	Order No.
Wall / ceiling mounting kit	for WM/DM, A = 42 mm	40071351011
Wall / ceiling mounting kit	for WM/DM, A = 100 mm	40071351497
Suspension set 0.5 m	with canopy, silver, square form for PM	40071350412
Suspension set 1.0 m	with canopy, silver, square form for PM	40071350414
Suspension set 1.5 m	with canopy, silver, square form for PM	40071350416
Chain fastening		40071351158

Each luminaire requires 2 covers. Installation material is not included in the scope of supply.
Please order it seperately depending on the type of mounting (see accessories).
WM = Wall mounting, DM = Ceiling mounting, PM = Pendant mounting

Style Variant 58011 ... 58021 LED CGLine+

Safety luminaire and exit sign luminaire

17 m			LED
IP41	IP54		DIN 4844
Li-Ion	CG+	EN 62034	AT
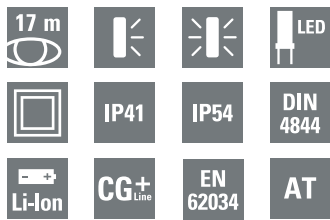
58011 LED CGLine+ with pictogramfoil PR

72
340
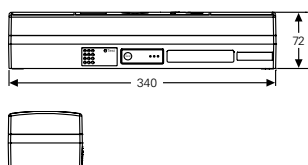
58021 LED CGLine+ with pictogramfoil PR

340
137
95

Chain fastening

Wall bracket

Style Variant 58011 ... 58021 LED CGLine+

- Self-monitoring LED self-contained luminaire for stand-alone operation or for connection to the self-contained luminaire monitoring system CGLine+
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum service requirement due to high service life of the LEDs (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m^2 according to DIN 4844-1 / ISO 3864-1 (for bright surroundings)
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)
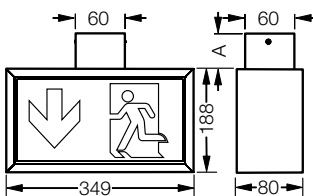
|	
Viewing distance	17 m
Luminous flux Φ_N (mains operation) 58011 LED	306 lm
Luminous flux Φ_E/Φ_N at end of rated operating time	100 % at 1 h; 70 % at 3 h; 25 % at 8 h
Housing material	Polycarbonate (850 °C glow wire resistant)
Housing colour	Light grey, sim. RAL 7035
Weight	58011 1-8h/D LED 0.7 kg 58021 1-8h/D LED 0.8 kg
Type of mounting	Wall and ceiling mounting
Terminals	Through-wiring from mains (L, L′, N, PE) up to 2.5 mm^2 CGLine+ bus through-wiring up to 1.5 mm^2
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power/effective power)	7 VA / 6.6 W
Permissible ambient temperature	Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery	Lithium-Ion 3.7 V/4000 mAh with multiple protective circuit
Light source	3 x HighPower LEDs

Ordering details

Type	Scope of delivery	Order No.
58011 1-8h/D LED CGLine+ (SET) acc. to ISO 7010	Safety and exit sign luminaire inclusive cover and 3 pictogram foils PL, PR, PU	40071354820
58021 1-8h/D LED CGLine+ (SET) acc. to ISO 7010	Exit sign luminaire inclusive cover and 3 pictogram foils PL, PR, PU	40071354821

Accessories

Type	Order No.
Chain fastening	40071350669
Wall bracket	40071350668
IP54 set* for 58011/58021 LED CGLine+	40071354749

*) IP54 for electronic and lamp. For increased tightness requirements indoors or in canopied outdoor areas.

26 m · **IP65** · **DIN 4844** · **EN 1838** · **LED** · **Li-Ion** · **CG+ Line** · **EN 62034** · **AT**
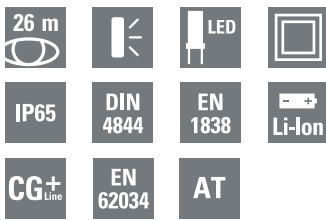
6811 LED CGLine+ with pictogram PR
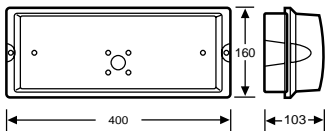
6811 LED CGLine+

- Self-monitoring LED self-contained luminaire for stand-alone operation or for connection to the self-contained luminaire monitoring system CGLine+
- Housing made of polycarbonate with high degree of protection of IP65 for increased tightness requirements indoors
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum service requirement due to high service life of the LEDs (50,000 hours)
- Optimal recognition via high luminance of white contrast colour > 500 cd/m^2 according to DIN 4844-1 / ISO 3864-1 (for bright surroundings)
- Dimmable in three steps for use in dark ambient conditions
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Viewing distance	26 m
Luminous flux Φ_N	260 lm
Luminous flux Φ_E/Φ_N at end of rated operating time	100 % at 1 h; 70 % at 3 h; 25 % at 8 h
Housing material	Polycarbonate (850 °C glow wire resistant)
Housing colour	White
Weight	1.6 kg
Type of mounting	Wall and ceiling mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm^2 CGLine+ bus through-wiring up to 1.5 mm^2
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power/effective power)	7 VA / 6.6 W
Permissible ambient temperature	Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery	Lithium-Ion 3.7 V/4000 mAh with multiple protective circuit
Light source	3 x HighPower LEDs

Ordering details

Type	Scope of delivery	Order No.
Exit sign luminaire 6811 1-8h/D LED CGLine+ acc. to ISO 7010	Luminaire incl. cover and three pictogram foils: PL, PR, PU	40071354831

Accessories

Type	Order No.
Wire guard	40071348370

Atlantic LED CGLine+

Exit sign luminaire, wall or ceiling mounting

24 m | | | **LED**

| **IP65** | **IK10** |

| **DIN 4844** | |

Li-Ion | **CG+ Line** | **EN 62034** | **AT**

Atlantic LED S CGLine+

Atlantic LED D CGLine+

136

303

62

279

90

303

47

119

Atlantic LED CGLine+

- LED self-contained luminaire with high protection class (IP65) for indoor and outdoor use
- With automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Robust construction from aluminium diecast and high impact resistant cover made of polycarbonate
- Acc. IFS suitable for use in food processing industry
- Suitable for operational areas with fire hazard (D mark)
- Environmentally-friendly due to modern lithium ion technology
- Optional with self-regulating battery heater for use at low temperature up to-20°C
- Low operating costs via low connected load
- Minimum maintenance effort via use of LEDs with high service life (50.000 hours)
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

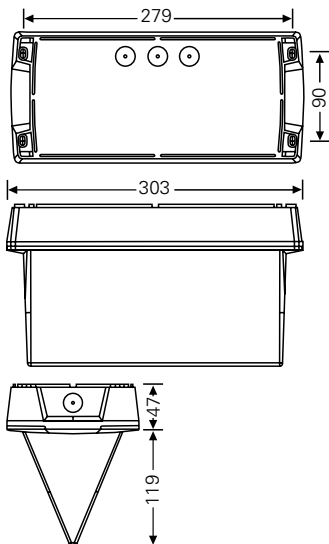|	
Viewing distance	24 m
Luminous flux Φ_E/Φ_N at end of rated operating time	100 % at 1 h; 65% at 3 h; 25% at 8 h
Housing material	Polycarbonate, Aluminium
Housing colour	grey
Weight	Atlantic LED S 1.54 kg Atlantic LED D 1.74 kg
Type of mounting	Wall and ceiling mounting
Connection terminals	Through-wiring from mains (L, L´, N, PE)up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains operation (max.) (apparent power / effective power)	without heater: 7.2 VA / 7.0 W with heater: 9.4 VA / 9.3 W

Permissible ambient temperature
    Maintained mode
    Non-maintained mode
	without heater with heater
	- 5 °C to +30 °C - 20 °C to +30 °C
	  0 °C to +35 °C - 20 °C to +35 °C

Battery	Lithium ion 3.7 V / 4000 mAh with multiple protective circuit
Light source	HighPower LEDs 2 x 1.6 W

Ordering details

Scope of delivery	Order No.
Exit sign luminaire Atlantic LED S 1-8h/D CGLine+, single sided, Including two cable glands, without pictogram	40071354870
Exit sign luminaire Atlantic LED D 1-8h/D CGLine+, double sided, Including two cable glands, without pictogram	40071354871
Exit sign luminaire Atlantic LED S 1-8h/D CGLine+ **H**, single sided, Including two cable glands, without pictogram, with battery heater for low ambient temperature up to -20°C	40071354875
Exit sign luminaire Atlantic LED D 1-8h/D CGLine+ **H**, double sided, Including two cable glands, without pictogram, with battery heater for low ambient temperature up to -20°C	40071354876

Accessories

Scope of delivery		Order No.	Scope of delivery		Order No.
Pictograms for Atlantic S					
PR ISO		155-000-011	PU ISO		155-000-013
PL ISO		155-000-012			
Pictograms for Atlantic D (2 x required)					
PR ISO		155-000-211	PU ISO		155-000-213
PL ISO		155-000-212	BL		155-000-209
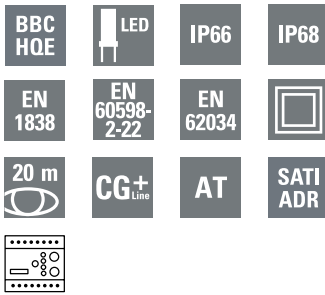
BBC HQE | **LED** | **IP66** | **IP68**
EN 1838 | **EN 60598-2-22** | **EN 62034** |
20 m | **CG+Line** | **AT** | **SATI ADR**

Planète 45 Tube ADR CGLine+

Planète 45 Tube ADR CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- For autonomous installation or connection to the CGLine+ monitoring system
- Simple fault analysis via bicolour LED
- Environmentally-friendly, zero relamping, high energy performance, 10 years battery life time
- Diam.100 mm- Same aesthetic for exit sign and anti-panic products
- Pure design- no technical details visible
- Opaque back face : invisible electronics and connections
- LEDs' strip for a reduced dazzle
- Quick installation
- Necklaces perforated for a fast tightening
- 360° orientation
- Screw less connectors
- Metal cable gland included
- Pictograms included
- Compliant with EN 1838 / EN 60598-2-22 / EN 62034

Viewing distance	20 m
Luminous flux	45 lm in emergency mode, 3 lm in mains mode
Luminous flux Φ_E/Φ_N At end of rated operating time	100% at 1h
Housing material	Polycarbonate tube, stainless steel hubcap, sleeve clamps and screws
Weight	2 kg
Type of mounting	Wall-surface mounting Insulation Class II
Terminals	Up to 2,5mm²
Connection voltage	220V/240 VAC 50/60Hz
Power consumption mains operation	1,1 W
Battery	Ni-Cd- 5 x 1,2 V / 1,5 Ah
Light source	LED Strip

125 mm

360 mm

Ø 100 mm

Ordering details

Type	Order No.
Planète 45 Tube ADR CGLine+	LUM17150

Briteblade

Exit sign luminaire, wall or ceiling mounting

24 m		**LED**	
IP20	**IK10**	**CE**	
BSI	**CG+** Line	**EN 62034**	**AT**
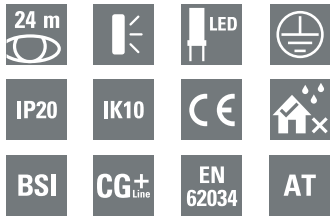
Briteblade

Briteblade

- BSI kitemarked for peace of mind
- CEL registered with verified light performance
- Fully meets EN 1838 for uniformity of legend appearance
- Metal body construction
- Long life 50,000 hour LED version
- Suitable for single or doubled-sided use
- Suitable for solid or suspended ceilings
- Self-contained, slave, and addressable testing options
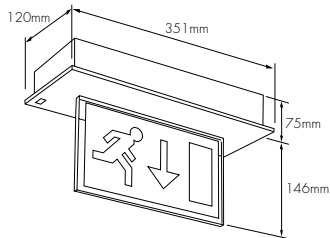
Viewing distance	24m
Luminous flux Φ_E/Φ_N at end of rated operating time	N/A
Housing material	Body- Steel
Housing colour	Silver, RAL9016
Weight	1.9Kg Max
Type of mounting	Recessed Mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm^2
Connection voltage	230/240V
Power consumption mains operation (apparent power / effective power)	
Permissible ambient temperature	5 degrees to 25 degrees C
Battery	NiCd 2.4V/4Ah
Light source	3W LED strip

120mm
351mm
75mm
146mm

342mm x 103mm

Catalogue Numbers

System Mode	White Trim Plate	Silver Trim Plate	Weight (kg)
Maintained/Non-maintained	BBLMCGL	BBLMSCGL	1.9

32 m | **IP20** | **IK10** | **CE** | **BSI** | **CG+** | **EN 62034** | **AT** | **LED**
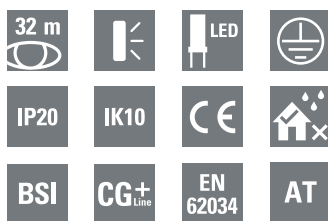
Britesign 2

- ICEL registered with verified light performance
- Ultra low profile design
- 50,000 hour LED source for minimum maintenance
- EN1838 compliant legend panel
- Bezel colour options on request
- Self-contained, slave, self-test and addressable testing options

Britesign 2

370mm / 40mm / 220mm
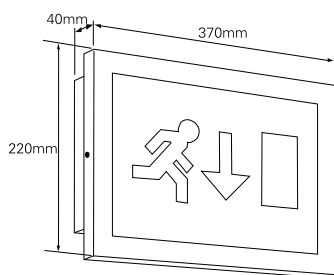
Viewing distance	33m
Luminous flux Φ_E/Φ_N at end of rated operating time	N/A
Legend Luminance	20Cd/m2
Housing material	Body- Steel
Housing colour	White, RAL9016
Weight	1.5Kg Max
Type of mounting	Surface Mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm^2
Connection voltage	230/240V
Power consumption mains operation (apparent power / effective power)	
Permissible ambient temperature	5 degrees to 25 degrees C
Battery	NiCd 4.8V/1.6Ah
Light source	High intensity 3W white LED strip

Catalogue Numbers

System Mode	White Finish	Aluminium Finish	Weight (kg)
Maintained 3Hr	BS2MCGL	BS2MACGL	1.45

Planète 45 ADR CGLine+

Exit sign luminaire

BBC HQE	LED	IP42	
CG+Line	EN 1838	EN 60598-2-22	20 m
SATI ADR	EN 62034	AT	
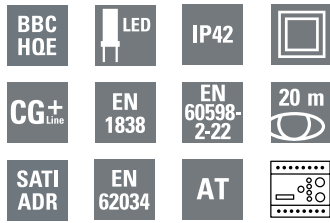
Planète 45 ADR CGLine+
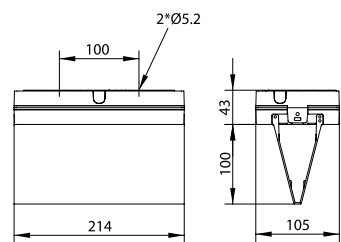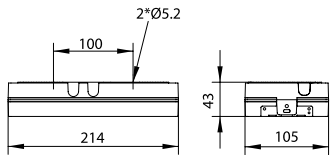
Planète 45 ADR CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- For autonomous installation or connection to the CGLine+ monitoring system
- Simple fault analysis via bicolour LED
- Environmentally-friendly, zero relamping, high energy performance, 10 years battery life time
- See-through honeycomb bracket for a genuine universal fixture with instinctive re-use of existing drill-holes
- Screwless terminal blocks with automatic connectors
- Delivered with non adhesive exit legends
- Unobtrusive, ultra-slim housing (214 x 44 x 105 mm)
- Several mounting options (recessed base, wall-surface, ceiling, flag)
- 7 cable entries
- Compliant with EN 1838 / EN 60598-2-22 / EN 62034

Viewing distance	20 m
Luminous flux	45 lm in emergency mode, 3 lm in mains mode
Luminous flux Φ_E/Φ_N At end of rated operating time	100% at 1h
Housing material	Polycarbonate
Housing colour	RAL9003
Weight	0,5 kg
Type of mounting	Wall-surface mounting Insulation Class II Recessed base in option
Terminals	Through-wiring up to 2,5mm²
Connection voltage	220V/240 VAC 50/60Hz
Power consumption mains operation	0,5 W
Battery	Ni-Cd- 3 x 1,2 V / 0,6 Ah
Light source	2 LEDs

2*Ø5.2
100
214
43
105

2*Ø5.2
100
214
43
100
105

Ordering details

Type	Order No.
Planète 45 ADR CGLine+	LUM17114

Accessories

Type	Order No.
Cone diffuser (compatible with LUM10534)	LUM10533
Protection grid (compatible with LUM10534)	LUM10418
Recessed base	LUM10534
Tamperproof screw	LUM10490

Safety luminaire

		Installation			Battery			Operation			Applications						
		Indoor	Recessed	Outdoor	Ni-Cd	Ni-Mh	Li-Ion	Maintained	Non-Maintained	Autotest	Hospitals	Hotels	Cinemas/Theaters	Schools	Offices	Industrial	Warehouse
GuideLed SL 13811, 13821 CGLine+		●	●				●	●	●	●		●	●		●		
GuideLed SL 13812, 13822 CGLine+		●					●	●	●	●		●	●		●		
GuideLed SL 13851, 13852 CGLine+		●					●	●	●	●		●	●		●		
3583 LED CGLine+		●	●				●	●	●	●	●	●	●	●	●		
Micropoint 2 Recessed		●	●		●			●		●	●	●	●		●		
Micropoint 2 Surface		●			●			●		●	●	●	●		●		
Atlantic LED / Outdoor Wall CGLine+		●		●			●	●	●	●		●		●	●	●	●
Alantic Plus		●		●	●			●	●	●		●				●	●
Britelite		●	●		●			●	●	●	●			●	●		
Alfalux High Bay LED			●	●			●	●		●	●	●		●		●	●

	Installation			Battery			Operation			Applications						
	Indoor	Recessed	Outdoor	Ni-Cd	Ni-Mh	Li-Ion	Maintained	Non-Maintained	Autotest	Hospitals	Hotels	Cinemas/Theaters	Schools	Offices	Industrial	Warehouse
i-P65	●			●			●		●	●	●	●	●	●		●
NexiTech LEDTM CGLine+	●	●	●	●			●		●	●	●	●	●	●		●
Vistral LED	●			●			●		●			●	●	●		
Planète 400 Disc ADR CGLine+	●	●		●			●	●		●	●					
Planète 400 Tube ADR CGLine+	●		●	●			●	●							●	●
Planète 400 ADR CGLine+	●	●		●					●	●			●	●		
Planète 400 ES ADR CGLine+	●		●	●			●	●	●				●	●		
Planète 2000 and 2000 ES ADR CGLine+	●	●	●	●			●					●	●		●	●
Planète 400 AD ADR CGLine+	●		●	●			●	●							●	●
Beamlite	●		●	Lead Acid			●	●				●	●		●	●

GuideLed SL 13811, 13821 CGLine+

Safety luminaire, ceiling recessed mounting

LED		IP41 *	EN 1838
EAC	Li-Ion	CG+Line	EN 62034
AT			

13811 CGLine+ with asymmetric optics

13821 CGLine+ with symmetric optics

Alignment escape route

Ceiling cut-out

Ceiling thickness 1-20mm

Required height in cavity ceiling for recessing through ceiling cut-out: 150 mm
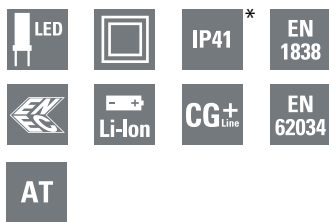
GuideLed SL 13811, 13821 CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum maintenance effort via high LED service life (50,000 hours)
- Available with special optics for escape route illumination or open-area illumination
- High spacing via double optics technology and highly efficient High Power LEDs
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Luminous flux	asymmetric optics	210 lm
(mains operation)	symmetric optics	204 lm
Luminous flux Φ_E/Φ_N at end of rated operating time		100 % at 1 h; 65 % at 3 h; 25 % at 8 h
Housing material	luminaire module housing	Polycarbonate, aluminium (heat sink) Polycarbonate
Housing colour		White, similar to RAL 9010
Weight		0.96 kg
Type of mounting		Ceiling recessing
Terminals		Through-wiring from mains (L, L', N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage		220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power / effective power)		6.9 VA / 6.7 W
Permissible ambient temperature		Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery		Lithium ion 3.7 V/4000 mAh with multiple protective circuit
Light source		HighPower LEDs 2 x 1.6 W

Ordering details

Scope of delivery	Order No.
GuideLed SL ceiling recessed 13811 1-8h/D CGLine+ with asymmetric optics for escape route illumination, clamping range for ceiling thickness 0 - 20 mm, white RAL 9010, supply electronics in housing with cable strain-relief	40071353275
GuideLed SL ceiling recessed 13821 1-8h/D CGLine+ with symmetric optics for anti-panic/open-area illumination, clamping range for ceiling thickness 0 - 20 mm, white RAL 9010, supply electronics in housing with cable strain-relief	40071353274

* Degree of protection of the luminaire: IP41
Degree of protection of the housing: IP20

LED	⏚	IP41	EN 1838
Li-Ion		CG+ Line	EN 62034
AT			
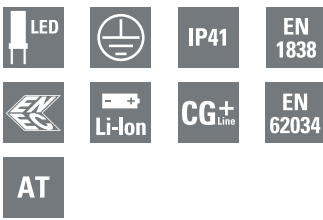
13812 CGLine + with asymmetric optics

13822 CGLine + with symmetric optics
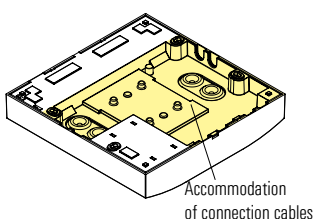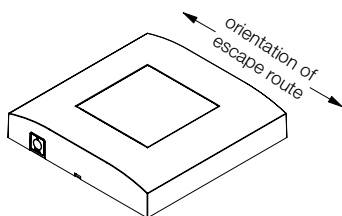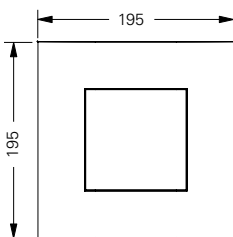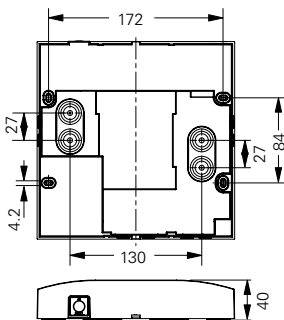
GuideLed SL 13812, 13822 CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Environmentally-friendly due to modern lithium ion technology
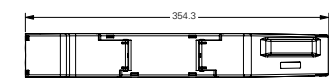- Low operating costs via low connected load
- Minimum maintenance effort via high LED service life (50,000 hours)
- Available with special optics for escape route illumination or open-area illumination
- High spacing via double optics technology and highly efficient High Power LEDs
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

Luminous flux	asymmetric optics	210 lm
(mains operation)	symmetric optics	204 lm
Luminous flux Φ_E/Φ_N at end of rated operating time		100 % at 1 h; 65 % at 3 h; 25 % at 8 h
Housing material		Polycarbonate, aluminium
Housing colour		White, similar to RAL 9010
Weight		0.86 kg
Type of mounting		Ceiling surface-mounting
Terminals		Through-wiring from mains (L, L', N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage		220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power / effective power)		6.9 VA / 6.7 W
Permissible ambient temperature		Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery		Lithium ion 3.7 V/4000 mAh with multiple protective circuit
Light source		HighPower LEDs 2 x 1.6 W

Ordering details

Scope of delivery	Order No.
GuideLed SL ceiling surface-mounted 13812 1-8h/D CGLine+ with asymmetric optics for escape route illumination, white RAL 9010	40071353279
GuideLed SL ceiling surface-mounted 13822 1-8h/D CGLine+ with symmetric optics for anti-panic/open-area illumination, white RAL 9010	40071353278

orientation of escape route

Accommodation of connection cables

Requirements of EN 1838: illuminance of 5 lx for safety equipment

The aim of emergency lighting is to enable people to exit a room or building safely. It must also ensure that fire fighting and safety equipment can be easily found and operated when needed. This equipment includes (but not exclusively):

• First aid stations

• All fire fighting equipment and all alarm devices

Lighting is required near each first aid kit, near each alarm and piece of fire fighting equipment, as well as each sign indicating a fire alarm system. In accordance with EN 1838, „near" generally means a distance of no greater than 2 metres, measured horizontally (this corresponds with Distance a in the diagram below).

The required level of illuminance on the equipment is 5 lx measured vertically- i.e. perpendicular to the usual horizontal illuminance measurements on one level.

In comparison to the escape route requirement for 1 lx horizontally, different requirements apply in this situation for the light distribution from the safety luminaires, due to the flatter light angle of incidence.

GuideLed SL 13851 and 13852 CGLine+ meet the specific requirements of EN 1838

In order to meet the requirements of EN 1838, the new GuideLed SL 13851 and 13852 CGLine+ have special optics to guarantee the required illuminance of 5 lx vertically over a wide area. Hence mounting at heights of up to 5.6 m, and a breadth of illumination of up to 2.8 metres, are possible.

Engineering help, GuideLed SL 13851 and 13852 CGLine+

Rated operating time 1 h

Rated operating time 3 h

Rated operating time 8 h

Area in which a minimum illuminance of 5 lx (maintenance factor 0.8) is achieved, depending on distance a and the rated operating time:

a = 1.0 m   a = 1.5 m   a = 2.0 m

LED ⊕ * ☐ * **IP41** *

EN 1838 Li-Ion **CG⁺Line** **AT**

EN 62034

GuideLed SL 13851 CGLine+

GuideLed SL 13852 CGLine+
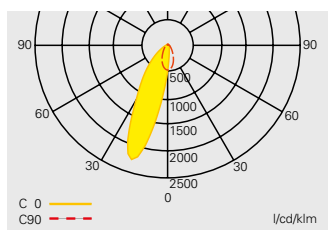
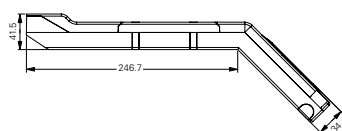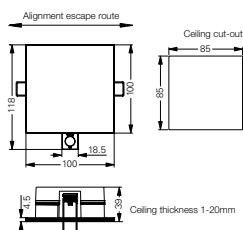Light distribution curve
GuideLed SL 13851, 13852 CGLine+

GuideLed SL 13851, 13852 CGLine+

- LED self-contained safety luminaire with automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum maintenance effort via high LED service life (50,000 hours)
- Special asymmetric optics for illumination of 5 lx vertically for first aid stations, fire fighting equipment and safety equipment acc. to EN 1838
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)

|	
Luminous flux Φ_N (mains operation)	310 lm
Luminous flux Φ_E/Φ_N at end of rated operating time	100 % at 1 h; 65 % at 3 h; 25 % at 8 h
Housing material	Polycarbonate, aluminium
Housing colour	White, similar to RAL 9010
Weight	0.62 kg (13851 CGLine+) 0.86 kg (13852 CGLine+)
Type of mounting	Ceiling recessing, ceiling surface-mounting
Terminals	Through-wiring from mains (L, Lʹ, N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains operation (apparent power/effective power)	6.9 VA / 6.7 W
Permissible ambient temperature	Maintained mode -5 °C bis +30 °C Non-maintained mode 0 °C bis +35 °C
Battery	Lithium-Ion 3.7 V/4000 mAh with multiple protective circuit
Light source	HighPower LEDs 2 x 1.6 W

Ordering details

Scope of supply	Order No.
GuideLed SL 13851 1-8h/D CGLine+, ceiling recessed with asymmetric optics for illuminance of 5 lx vertically, clamping range for ceiling thickness 0-20 mm	40071353280
GuideLed SL 13852 1-8h/D CGLine+, ceiling surface-mounted with asymmetric optics for illuminance of 5 lx vertically	40071353282

GuideLed SL 13851 CGLine+

Required height in cavity ceiling for recessing through ceiling cut-out: 150 mm
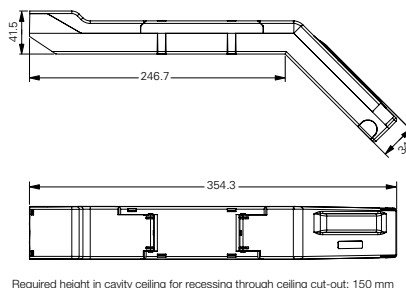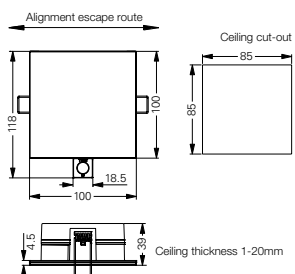
GuideLed SL 13852 CGLine+
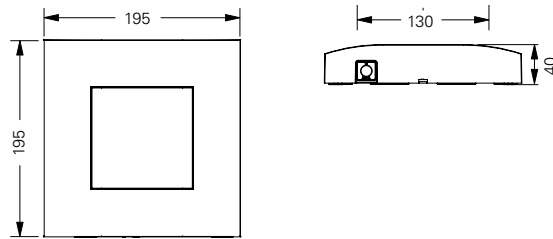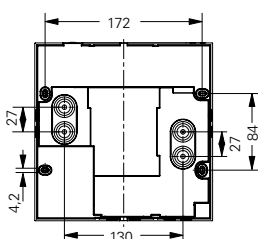
* 13851: Protection class 2
13852: Protection class 1

Degree of protection of the luminaire 13851: IP41
Degree of protection of the housing: IP20

3583 LED CGLine+

Safety luminaire, ceiling recessed mounting

LED | IP20 | EN 1838
Li-Ion | CG+Line | EN 62034 | AT

3583 LED CGLine+

Dimensions in mm

80

60

30

1.5

Max. 68 mm Ø

41.5

246,7

3,4

354,3
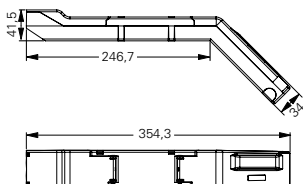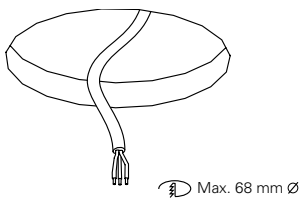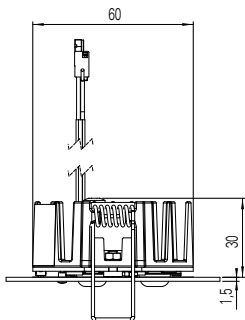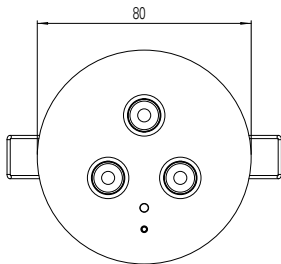
3583 1-8h/D LED CGLine+

- Self-contained safety luminaire with LED technology for recessed mounting with round bezel with automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Environmentally-friendly due to modern lithium ion technology
- Low operating costs via low connected load
- Minimum maintenance effort via high LED service life (50,000 hours)
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times (only with CGLine+ WEB-Controller)
- Common ceiling cut-out diameter of 68 mm

Luminous flux Φ_N	385 lm
Luminous flux Φ_E/Φ_N at the end of rated operating time	100 % at 1 h; 70 % at 3 h; 25 % at 8 h
Housing material	Bezel: sheet steel Module: Polycarbonate
Housing colour	white sim. RAL 9010
Weight	Luminaire: 0.16 kg Module: 0.35 kg
Type of mounting	Recessed ceiling mounting
Connection terminals	Through-wiring from mains (L, L´, N, PE) up to 2.5 mm² CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage	220-240 V AC, 50/60 Hz
Power consumption mains opteration (apparent power / effective power)	7 VA / 6.6 W
Permissable temperature range	Maintained mode -5 °C to +30 °C Non-maintained mode 0 °C to +35 °C
Battery	Lithium-Ionen 3.7 V / 4000 mAh with multiple protective circuit
Light source	HighPower LEDs 3 x 1 W

Ordering details

Scope of delivery	Order No.
3583 1-8h/D LED CGLine+ recessed ceiling-mounted with 3 LEDs for excape route illumination, clamping range for ceiling thickness 0- 20 mm, white RAL 9010, supply electronics in housing with cable strain-relief	40071353365
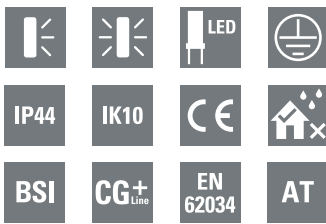
Micropoint 2 Recessed

- Versatile multi-functional use (escape and open area anti-panic)
- IP44 ingress protection (from below ceiling) ideal for bathrooms
- Low power consumption reducing cost of ownership
- Plug and socket supply for ease of installation and maintenance
- Excellent spacing reducing the quantity of fittings required
- 60,000 hour life LED for reduced maintenance
- Self-contained, slave, self-test and addressable testing options

Micropoint 2 Recessed

Viewing distance	N/A
Luminous flux Φ_N (mains operation) 58011 LED	161 Escape Optic 160 Open area Optic
Luminous flux Φ_E/Φ_N at end of rated operating time	161 Escape Optic 160 Open area Optic
Housing material	Luminaire head- polycarbonate, Remote gear pod- flame retardant ABS
Housing colour	White
Weight	0.45Kg Max
Type of mounting	Recessed Mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm²
	CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage	230/240V
Power consumption mains operation (apparent power/effective power)	6.9VA/5W
Permissible ambient temperature	5 degrees to 25 degrees C
Battery	NiCad 4.8V/1.6mAh
Light source	1 x high power 1W white LED

Catalogue Numbers

System Mode	Cat No	Weight (kg)
Maintained 3Hr Open Area	MP2O3HCGL	0.45
Maintained 3Hr Escape Route	MP2E3HCGL	0.45

Micropoint 2 Surface

Safety luminaire

IP44 | **IK10** | **LED** | CE

BSI | **CG+**Line | **EN 62034** | **AT**

Micropoint 2 Surface
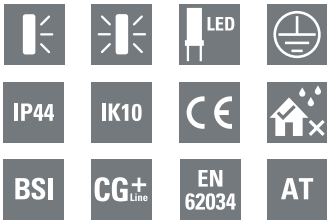
Micropoint 2 Surface

- Versatile multi-functional use (escape and open area anti-panic)
- IP44 ingress protection suitable for bathrooms and wet environment
- Low power consumption reducing cost of ownership
- First fix base for ease of installation
- Excellent spacing reducing the quantity of fittings required
- 60,000 hour life LED for reduced maintenance
- Self-contained, slave, self test and addressable testing options

Viewing distance	N/A
Luminous flux Φ_N (mains operation) 58011 LED	161 Escape Optic 160 Open area Optic
Luminous flux Φ_E/Φ_N at end of rated operating time	161 Escape Optic 160 Open area Optic
Housing material	Luminaire enclosure- polycarbonate
Housing colour	White
Weight	0.45Kg Max
Type of mounting	Surface Mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm²
	CGLine+ bus through-wiring up to 1.5 mm²
Connection voltage	230/240 V
Power consumption mains operation (apparent power/effective power)	6.9VA/5W
Permissible ambient temperature	5 degrees to 25 degrees C
Battery	NiCad 4.8V/1.6mAh
Light source	1 x high power 1W white LED

50mm

170mm

170mm

Catalogue Numbers

System Mode	Cat No	Weight (kg)
Maintained 3Hr Open Area	MP2O3HCGL	0.45
Maintained 3Hr Escape Route	MP2E3HCGL	0.45

LED | IP65 | IK10

EN 1838 | EN 62034

Li-Ion | CG+Line

AT

Atlantic LED R CGLine+

Atlantic LED O CGLine+

136

303

62

279

90

Outdoor Wall CGLine+

303

Atlantic LED / Outdoor Wall CGLine+

- LED self-contained luminaire with high protection class (IP65) for indoor and outdoor use
- With automatic test for reduced inspection effort
- Universal use for maintained and non-maintained operation and for 1 h, 3 h or 8 h operation
- For autonomous installation or connection to the CGLine+ monitoring system
- Robust construction from aluminium diecast and high impact resistant cover made of polycarbonate
- Acc. IFS suitable for use in food processing industry (Atlantic LED R and Atlantic LED O)
- Suitable for operational areas with fire hazard (D mark)
- Environmentally-friendly due to modern lithium ion technology
- Optional with self-regulating battery heater for use at low temperature up to-20°C
- Low operating costs via low connected load
- Minimum maintenance effort via use of LEDs with high service life (50,000 hours))
- Available with special optics for escape route illumination or wide area illumination
- High spacing by double optics technology and highly efficient HighPower LEDs
- Simple fault analysis and status display via bicolor LED and testing button
- 1 minute switch-back delay after mains return
- Blocking function prevents unintended discharge during idle operating times
  (only with CGLine+ WEB-Controller)

Luminous flux	Asymmetric optics	225 lm
	Symmetric optics	220 lm
Luminous flux Φ_E/Φ_N at end of rated operating time	100 % at 1h; 65% at 3 h; 25% at 8 h	
Housing material	Polycarbonate, Aluminium	
Housing colour	grey	
Weight	Atlantic LED 1.54 kg	
	Outdoor Wall 3.00 kg	
Type of mounting	Wall and ceiling mounting	
Connection terminals	Through-wiring from mains (L, L´, N, PE) up to 2.5 mm²	
	CGLine+ bus through-wiring up to 1.5 mm²	
Connection voltage	220-240 V AC, 50/60 Hz	
Battery	Lithium ion 3.7 V/4000 mAh	
	with multiple protective circuit	
Power consumption mains operation (max.) (apparent power / effective power)	without heater 7.2 VA / 7.0 W	
	with heater 9.2 VA / 9.3 W	
Permissible ambient temperature	without heater	with heater
Maintained mode	- 5 °C bis +30 °C	- 20 °C bis +30 °C
Non-maintained mode	0 °C bis +35 °C	- 20 °C bis +35 °C
Light source	HighPower LEDs 2 x 1.6 W	

Ordering details

Scope of delivery	Order No.
Safety luminaire Atlantic LED R 1-8h/D CGLine+, with asymmetric optics for escape route Illumination, including two cable glands	40071354872
Safety luminaire Atlantic LED O 1-8h/D CGLine+, with symmetric optics for anti-panic / open area illumination, including two cable glands	40071354873
Safety luminaire Outdoor Wall 1-8h/D CGLine+, with asymmetric optics for escape route Illumination	40071354874
Safety luminaire Atlantic LED R 1-8h/D CGLine+ **H**, with asymmetric optics for escape route Illumination, including two cable glands, with battery heater for low ambient temperature up to-20°C	40071354877
Safety luminaire Atlantic LED O 1-8h/D CGLine+ **H**, with symmetric optics for anti-panic / open area illumination, including two cable glands, with battery heater for low ambient temperature up to-20°C	40071354878
Safety luminaire Outdoor Wall 1-8h/D CGLine+ **H**, with asymmetric optics for escape route Illumination, with battery heater for low ambient temperature up to -20°C	40071354879
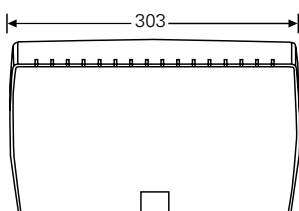
Alantic Plus

Safety luminaire

⬚	LED	⊕	IP65
IK10	CE	🏠✓	BSI
CG+ Line	EN 62034	AT	
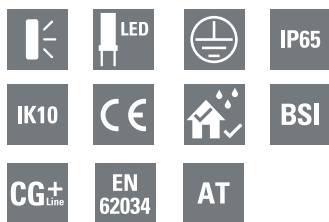
Atlantic Plus

Atlantic Plus

- BSI kitemarked for peace of mind
- ICEL registered with verified light performance
- Weatherproof IP65 and vandal resistant
- High performance, wide spacing distribution
- Choice of standard or high light output circuits
- Time saving first fix base and plug-in geartray
- Optional large format legend kit
- Self-contained, slave, self-test and addressable testing options

Viewing distance	24m
Luminous flux Φ_E/Φ_N at end of rated operating time	74 Lumens
Housing material	Base geartray and lens- polycarbonate
Housing colour	White Polycarbonate
Weight	1.7Kg Max
Type of mounting	Surface Mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm²
Connection voltage	230/240V
Power consumption mains operation (apparent power / effective power)	
Permissible ambient temperature	5 degrees to 25 degrees C
Battery	NiCd
Light source	8W T5 fluorescent, 3500°K- G5 cap, High intensity 3W white LED strip

135mm 330mm 80mm

Catalogue Numbers

System Mode	Cat No	Weight (kg)
Atlantic Plus - high light output		
Non Maintained 3Hr	ATPNCGL	1.4
Maintained 3Hr	ATPMCGL	1.6
LED		
LED Maintained 3Hr	ATLMCGL	1.4

IK10 **CE** **IP40** **IP40**

IK10 **CE** **BSI**

CG± **EN 62034** **AT**
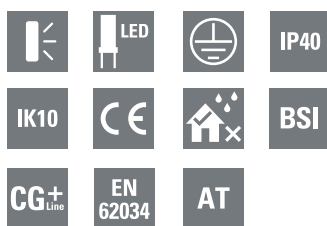
Britelite

Britelite

- BSI kitemarked for peace of mind
- ICEL registered with verified light performance
- Surface or recessed mounting where a minimal visual impact is required
- Class leading spacing performance up to 11.6m spacing
- Supplied disassembled for speedy installation

Britelite
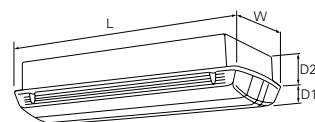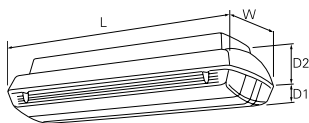
Viewing distance	N/A
Luminous flux Φ_E/Φ_N at end of rated operating time	
Housing material	Base and geartray- polycarbonate, Diffuser- clear polycarbonate
Housing colour	
Weight	1.7Kg Max
Type of mounting	Recessed Mounting, Surface Mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm²
Connection voltage	230/240V
Power consumption mains operation (apparent power / effective power)	
Permissible ambient temperature	5 degrees to 25 degrees C
Battery	NiCd
Light source	8W T5 fluorescent 3500°K- G5 cap

Options	L (mm)	W (mm)	D/D1 (mm)	D2 (mm)	Cut Out (mm)
Surface mounted	347	133	30	50	-
Semi-recessed	347	133	30	69	325 x 110

Catalogue Numbers

System Mode	Cat No	Weight (kg)
Surface Non Maintained 3Hr	BLSNCGL	1.4
Recessed Non Maintained 3Hr	BLRNCGL	1.5
Surface Maintained 3Hr	BLSMCGL	1.6

Alfalux High Bay LED

Safety luminaire
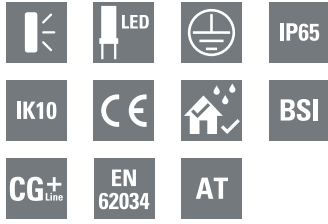
Alfalux High Bay LED

- 60,000 hour LED options
- Mid bay and high bay options for optimum luminaire efficiency reducing the number of fittings required
- Weatherproof IP65 ingress protection suitable for outdoor and wet environments
- Vandal resistant die-cast housing with polycarbonate lens
- Hinged gear tray for ease of installation
- Self-contained, slave, self-test and addressable testing options

Alfalux High Bay LED
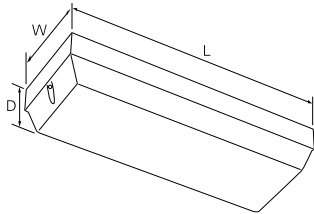
Viewing distance	N/A
Luminous flux Φ_E/Φ_N at end of rated operating time	329 Mid bay optic 287 High bay optics
Housing material	Base- die-cast aluminium, Diffuser- clear polycarbonate
Housing colour	White powder coated paint
Weight	1.5Kg Max
Type of mounting	Surface Mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm²
Connection voltage	230/240V
Power consumption mains operation (apparent power / effective power)	5.3 VA / 4.7 W
Permissible ambient temperature	5 degrees to 25 degrees C
Battery	NiCd 4.8V/4Ah
Light source	13W high power white LED

L (mm)	W (mm)	D (mm)
400	136	95

Catalogue Numbers

System Mode	Cat No	Weight (kg)
LED Maintained 3Hr (Hi Bay)	HLLEDH3HCGL	2.7
LED Maintained 3Hr (Mid Bay)	HLLEDL3HCGL	2.7
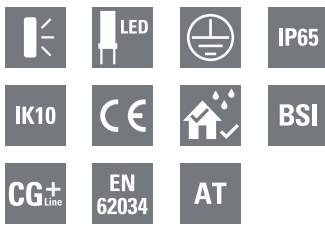
i-P65

- Versatile multi-functional use (escape, open area and exit sign use)
- Low power consumption reducing cost of ownership
- Ease of installation, reducing installation time and cost
- Excellent spacing reducing the quantity of fittings required
- 60,000 hour life LED for reduced maintenance
- Self-contained, slave, self-test and addressable testing options

Single sided i-P65

Single sided i-P65 with legend

Viewing distance	20m
Luminous flux Φ_E/Φ_N at end of rated operating time	143 Escape Optic 153 Open Area optic
Housing material	Luminaire body- polycarbonate, Gear tray- polycarbonate
Housing colour	Grey
Weight	0.8kg Max
Type of mounting	Surface mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm²
Connection voltage	230/240V
Power consumption mains operation (apparent power / effective power)	5.3 VA / 4.7 W
Permissible ambient temperature	Maintained mode-5 °C to +30 °C, Non-maintained mode 0 °C to +35 °C
Battery	NiCad 4.8V/2Ah
Light source	2 x high power 1W white LED

Double sided exit sign

Catalogue Numbers

System Mode	Cat No	Weight (kg)
Maintained 3hr open area *	IP65LEDO3HCGL	0.7
Maintained 3hr escape route *	IP65LEDE3HCGL	0.7
Double side exit sign		
Maintained 3hr *	IP65LEDEX3HCGL	0.8

* (not including pictogram)

† Allows luminaire to be used in low ambient temperatures
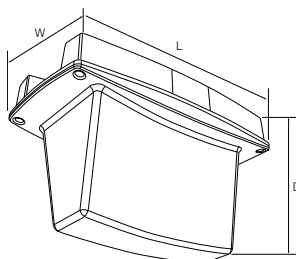
	L (mm)	W (mm)	D (mm)
Single Sided Exit Sign	263	142	55
Double Sided Exit Sign	263	142	165

NexiTech LED™ CGLine+

Safety luminaire

EN 1838	ENEC	IP40	IP65
□	LED	CG+Line	20 m
30 m	EN 62034	AT	⬚

NexiTech LED™ CGLine+ IP40

NexiTech LED™ CGLine+ IP65

NexiTech LED™ CGLine+ with double side pictogram

Glue-less single side pictograms
NEXI-PICTO-x
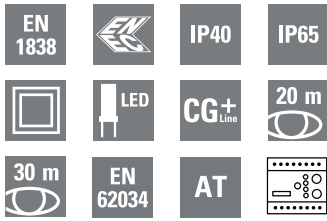
NexiTech LED™ CGline+

- Universal solution for safety lighting and exit sign with single and double side diffuser
- Complete range of accessories for different installation (wall, ceiling, surface, recessed)
- ENEC certification for peace of mind
- Available with different light output: 150, 300 and 400lm, 1,5 and 3h duration
- "Cinema" function for maintained operation in dark environments (from 60 to 16lm in M mode)
- Maintained mode switch ON/OFF from CGLine+ panel and local via L-L' bridge
- Automatic function and duration test according to EN62034 with and without CGline+ panel
- Available with IP40 and new IP65 variants
- Low maintenance costs thanks to 50.000 hours lifetime of LED light source
- Inhibition (block) function and rest mode from CGLine+ panel

Models available	11W e 24W Ultra (compared to fluorescent EL)
Light source	48 LED last generation with high efficiency
Housing	Base and reflector white polycarbonate Diffuser clear polycarbonate, incandescent wire 850°C
Protection degree	IP40 and IP65
Function mode	M and NM mode for all variants ("Cinema" mode for 150lm variant only)
Recharge period	12h for 1,5h duration models and 24h for 3h models duration
Inhibition and rest-mode	Inhibition and rest-mode from CGLine+ panel
Test function	Automatic function and duration test according to EN62034 with and without CGline+ panel. Magnetic test function
Installation options	Wall, ceiling, false ceiling (with NEXI-FC kit), wall recessed (with NEXI-RB) recessed base
Power supply	220V/240V 50/60Hz
Working temperatures	from +5°C to +30°C
Terminals	Rapid screwless terminal blocks up 2,5mm² for rigid and multi-core wires
Viewing distances (when used as exit sign)	20 m (single side pictogram) 30 m (double side pictogram)

Order codes

Type	Codice
NexiTech LED CGLine+ flux 150lm duration 1,5h IP40 M/NM Cinema mode	NEXI150-CGL
NexiTech LED CGLine+ flux 150lm duration 3h IP40 M/NM Cinema mode	NEXI150-3H-CGL
NexiTech LED CGLine+ flux 400lm duration 1,5h IP40 M/NM	NEXI400-CGL
NexiTech LED CGLine+ flux 300lm duration 3h IP40 M/NM	NEXI300-3H-CGL
NexiTech LED CGLine+ flux 150lm duration 1,5h IP65 M/NM Cinema mode	NEXI150-CGL-IP
NexiTech LED CGLine+ flux 150lm duration 3h IP65 M/NM Cinema mode	NEXI150-3H-CGL-IP
NexiTech LED CGLine+ flux 400lm duration 1,5h IP65 M/NM	NEXI400-CGL-IP
NexiTech LED CGLine+ flux 300lm duration 3h IP65 M/NM	NEXI300-3H-CGL-IP

Double side signalization

Type		Codice
Double side pictogram DOWN/DOWN, ISO7010, 30 m	⬇🏃 ⬇🏃	NEXI-PLEXL-DD
Double side pictogram RIGHT/LEFT, ISO7010, 30 m	⬅🏃 🏃➡	NEXI-PLEXL-LR
Double side pictogram DOWN/BLIND, ISO7010, 30 m	⬇🏃	NEXI-PLEXL-DB

Single side signalization

Type		Codice
DOWN, ISO7010, 20 m	⬇🏃	NEXI-PICTO-D
LEFT, ISO7010, 20 m	⬅🏃	NEXI-PICTO-L
RIGHT, ISO7010, 20 m	🏃➡	NEXI-PICTO-R
UP, ISO7010, 20 m	⬆🏃	NEXI-PICTO-U

Accessories

Type	Codice
IP65 protection kit	NEXI-IP
Wall recessed base (required hole 277x100mm)	NEXI-RB
False ceiling kit (required cut-out 272x95mm)	NEXI-FC
Surface installation frame	NEXI-FR

IP20 · LED · IK10 · CE · BSI · CG+ Line · EN 62034 · AT
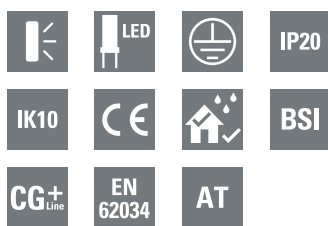
Vistral LED

- BSI kitemarked for peace of mind
- ICEL registered with verified light performance
- Attractive, curved, low profile design suits most environments
- Stylish exit sign using legend kit, complies to EN 1838
- Self-contained, slave, self-test and addressable testing options
- Available in self-contained, AC/DC and AC mains slave versions

Vistral LED
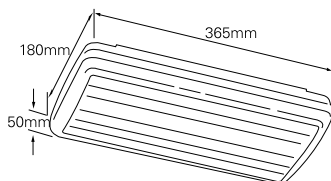
Viewing distance	24m
Luminous flux Φ_E/Φ_N at end of rated operating time	70
Housing material	Upper/lower gallery- polycarbonate and ABS, Lens- clear polycarbonate
Housing colour	
Weight	1.4Kg Max
Type of mounting	Surface mounting
Terminals	Through-wiring from mains (L, L', N, PE) up to 2.5 mm²
Connection voltage	230/240V
Power consumption mains operation (apparent power / effective power)	5.3 VA / 4.7 W
Permissible ambient temperature	0 degrees to 25 degrees C
Battery	NiCd
Light source	8W T5 fluorescent, 3500°K- G5 cap, High intensity 3W white LED strip

365mm · 180mm · 50mm

Catalogue Numbers

System Mode	Cat No	Weight (kg)
LED		
LED Maintained 3Hr	VSLMCGL	1.4

Legend Kit	Cat No	Weight (kg)
European Format self-adhesive legend kit	LEXSAVS	0.05
ISO7010 Format self-adhesive legend kit	LEXSAVS-ISO	0.05

Planète 400 Disc ADR CGLine+

Safety luminaire

BBC HQE	LED	IP41	
CG+ Line	SATI ADR	EN 60598-2-22	EN 62034
AT			

Planète 400 Disc ADR CGLine+
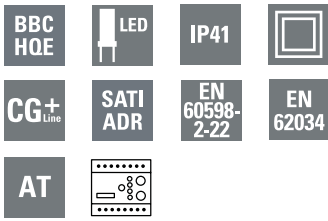
Planète 400 Disc ADR CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- For autonomous installation or connection to the CGLine+ monitoring system
- Simple fault analysis via bicolour LED
- Zero relamping, high energy performance, 10 years battery life time
- Design and Aesthetic
- Discreet and unobtrusive
- Fits into the all-round light-theme concept
- Share the same standard diameter as most popular downlights
- Mains mode LED lighting very soft with minimal glare / dazzle used on Planete 400 Tube
- Homogeneous illumination for optimal visual comfort
- Ultra slim housing (25mm – Ø 190mm)
- 100% LED, zero relamping, high energy performance, 10 years battery life
- See-through honeycomb bracket for a genuine universal fixture with instinctive re-use of existing drill-holes
- Screwless terminal blocks with automatic connectors
- White recessed mounting option (other colours on demand)
- Compliant with EN 60598-2-22 / EN 62034

Ø 190

Ø 190

Luminous flux	360 lm in emergency mode, 3 lm in mains mode
Luminous flux Φ_E/Φ_N At end of rated operating time	100% at 1h
Housing material	Polycarbonate
Housing colour	RAL9003
Weight	0.7 kg
Type of mounting	Ceiling-surface mounting Insulation Class II Recessed base in option
Terminals	Up to 2,5mm²
Connection voltage	220V/240 VAC 50/60Hz
Power consumption mains operation	1,5 W
Battery	Ni-Cd- 10 x 1,2 V / 0,6 Ah
Light source	LEDs

Ordering details

Type	Order No.
Planète 400 Disc ADR CGLine+	LUM17144

Accessories

Type	Order No.
Recessed base (white)	LUM10541
Recessed base (other colour)	LUM10541COL
Suspension kit	CAP008893
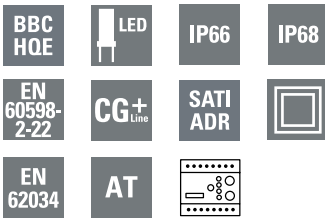
BBC HQE | LED | IP66 | IP68

EN 60598-2-22 | CG+ Line | SATI ADR

EN 62034 | AT

Planète 45 Tube ADR CGLine +

Planète 45 Tube ADR CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- For autonomous installation or connection to the CGLine+ monitoring system
- Simple fault analysis via bicolour LED
- Environmentally-friendly, zero relamping, high energy performance, 10 years battery life time
- Diam.100 mm- Same aesthetic for exit sign and anti-panic products
- Pure design- no technical details visible
- Opaque back face : invisible electronics and connections
- LEDs' strip for a reduced dazzle
- Quick installation
- Necklaces perforated for a fast tightening
- 360° orientation
- Screw less connectors
- Metal cable gland included
- Compliant with EN 60598-2-22 / EN 62034

125 mm

360 mm

Ø 100 mm
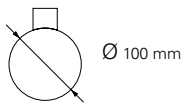
Luminous flux	350 lm in emergency mode, 3 lm in mains mode
Luminous flux Φ_E/Φ_N At end of rated operating time	100% at 1h
Housing material	Polycarbonate tube, stainless steel hubcap, sleeve clamps and screws
Weight	2 kg
Type of mounting	Wall-surface mounting Insulation Class II
Terminals	Up to 2,5mm²
Connection voltage	220V/240 VAC 50/60Hz
Power consumption mains operation	1,1 W
Battery	Ni-Cd- 5 x 1,2 V / 1,5 Ah
Light source	LED Strip

Ordering details

Type	Order No.
Planète 400 Tube ADR CGLine+	LUM17151

Planète 400 ADR CGLine+

Safety luminaire

BBC HQE | LED | IP42 | ▣

CG+Line | SATI ADR | EN 60598-2-22 | EN 62034

AT | ⬚
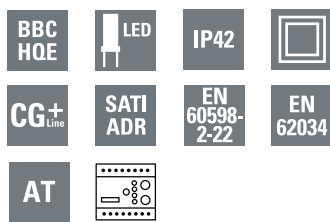
Planète 400 ADR CGLine +
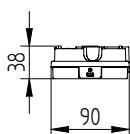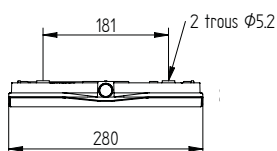
Planète 400 ADR CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- For autonomous installation or connection to the CGLine+ monitoring system
- Simple fault analysis via bicolour LED
- Environmentally-friendly, zero relamping, high energy performance, 10 years battery life time
- See-through honeycomb bracket for a genuine universal fixture with instinctive re-use of existing drill-holes
- Screwless terminal blocks with automatic connectors
- Unobtrusive, ultra-slim housing (280 x 90 x 38 mm)
- Recessed mounting option
- 5 cable entries
- Compliant with EN 60598-2-22 / EN 62034

Luminous flux	360 lm in emergency mode, 3 lm in mains mode
Luminous flux Φ_E/Φ_N At end of rated operating time	100% at 1h
Housing material	Polycarbonate
Housing colour	RAL9003
Weight	0,6 kg
Type of mounting	Wall-surface mounting Insulation Class II Recessed base in option
Terminals	Through-wiring up to 2,5mm²
Connection voltage	220V/240 VAC 50/60Hz
Power consumption mains operation	1,1 W
Battery	Ni-Cd- 5 x 1,2 V / 1,5 Ah
Light source	LED strip

Ordering details

Type	Order No.
Planète 400 ADR CGLine+	LUM17143

Accessories

Type	Order No.
Recessed base	LUM10538
Protection Grid	LUM10419

BBC HQE

LED

IP66

IK08

CG+Line

SATI ADR

EN 60598-2-22

EN 62034

AT
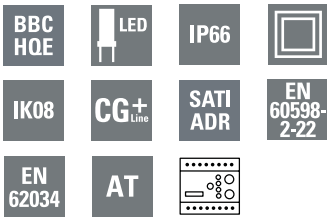
Planète 400 ES ADR CGLine+

Planète 400 ES ADR CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- For autonomous installation or connection to the CGLine+ monitoring system
- Simple fault analysis via bicolour LED
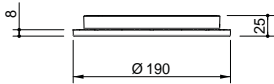- Environmentally-friendly, zero relamping, high energy performance, 10 years battery life time
- See-through bracket
- Screwless terminal blocks with automatic connectors
- Delivered with one cable gland
- Unobtrusive, ultra-slim housing (280 x 90 x 38 mm)
- Desgined with matching detachable enclosure
- 3 cable entries
- Compliant with EN 60598-2-22 / EN 62034

181 · 2 trous Φ5.2

280

38

90

Luminous flux	360 lm in emergency mode, 3 lm in mains mode
Luminous flux Φ_E/Φ_N At end of rated operating time	100% at 1h
Housing material	Polycarbonate
Housing colour	RAL9003
Weight	0,6 kg
Type of mounting	Wall-surface mounting Insulation Class II
Terminals	Through-wiring up to 2,5mm²
Connection voltage	220V/240 VAC 50/60Hz
Power consumption mains operation	1,1 W
Battery	Ni-Cd- 5 x 1,2 V / 1,5 Ah
Light source	LED strip

Ordering details

Type	Order No.
Planète 400 ES ADR CGLine+	LUM17147

Accessories

Type	Order No.
Protection Grid	LUM10419

Planète 2000 and 2000 ES ADR CGLine+

Beam LED

BBC HQE	LED	IP42	IP65
EN 60598-2-22	CG+ Line	SATI ADR	
EN 62034	AT		

Planète 2000 ADR CGLine+
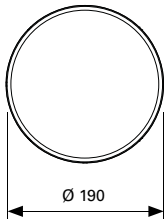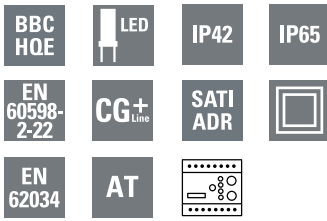
Planète 2000 ADR CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- For autonomous installation or connection to the CGLine+ monitoring system
- Environmentally-friendly, zero relamping, high energy performance, 10 years battery life time
- Intense light beam (built-in diffuser)
- Oversized status LEDs for a better visibility
- Lock-hole fixation and low weight (4,5 kg) for easier installation
- IP42 and IP65 (one cable gland included) versions
- Reccessed mounting base option
- Multi-directional position mounting
- Desgined with matching detachable enclosure
- Compliant with EN 60598-2-22 / EN 62034
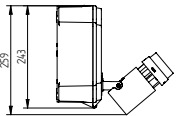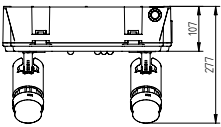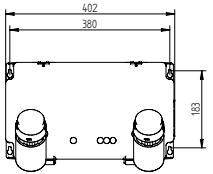
Luminous flux	2000 lm in emergency mode, 3 lm in mains mode (charging lamp) / do we specify as a pure NM product
Luminous flux Φ_E/Φ_N At end of rated operating time	100% at 1h
Housing material	Polycarbonate
Housing colour	Pale grey RAL7035
Weight	4,5 kg
Type of mounting	Wall-surface mounting Insulation Class II Reccesed base as an option
Terminals	Through-wiring up to 2,5mm²
Connection voltage	220V/240 VAC 50/60Hz
Power consumption mains operation	4,5 W
Battery	Ni-Cd- 5 x 1,2 V / 1,5 Ah
Light source	LED strip

Ordering details

Type	Order No.
Planète 2000 ADR CGLine+ (IP42)	LUM17110
Planète 2000 ES ADR CGLine+ (IP65)	LUM17111

Accessories

Type	Order No.
Protection Grid	LUM10527
Recessed base	LUM10524

BBC HQE | **LED** | **IP65** |

CG+Line | **SATI ADR** | **EN 60598-2-22**

EN 62034 | **AT** |
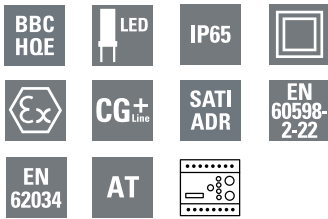
Planète 400 AD ADR CGLine+
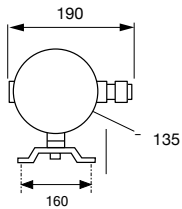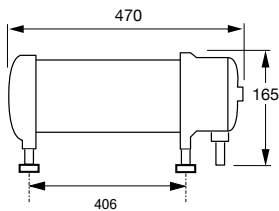
Planète 400 AD ADR CGLine+

- LED self contained luminaire with automatic test for reduced inspection effort
- For autonomous installation or connection to the CGLine+ monitoring system
- Simple fault analysis via bicolour LED
- Zero relamping, high energy performance, 10 years battery life time
- Explosion-proof: Zones 1-2-21-22 Gas and Dust
- Marking:
  Ex II 2G- EExdIICT6
  Ex II 2D- T85°C
- Delivered with explosion-proof cable gland
- Aluminum enclosure
- Supplied with fixation spacers
- Delivered with cable gland for unarmoured cable (outer Ø10 to 14mm)
- Designed with matching detachable enclosure
- Zone disconnect sockets sold separately
- Exit legends as options
- Compliant with EN 60598-2-22 / EN 62034

470 | 165 | 406

190 | 135 | 160

|	
Luminous flux	360 lm in emergency mode, 3 lm in mains mode
Luminous flux Φ_E/Φ_N At end of rated operating time	100% at 1h
Housing material	Aluminum enclosure
Weight	5 kg
Type of mounting	Wall-surface mounting Insulation Class II
Terminals	Up to 2,5mm²
Connection voltage	220V/240 VAC 50/60Hz
Power consumption mains operation	1,1 W
Battery	Ni-Cd- 5 x 1,2 V / 1,5 Ah
Light source	LED strip

Ordering details

Type	Order No.
Planète 400 AD ADR CGLine+	LUM17141

Accessories

Type	Order No.
Pictogram Arrow Down	LUM10401
Pictogram Arrow Right	LUM10403
Pictogram Arrow Left	LUM10404
5 poles plug	GHG5117506R0001
Wall socket	GHG5114506R0001
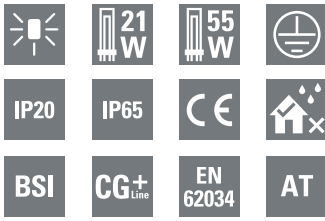
Beamlite

Beamlite

- BSI kitemarked for peace of mind
- High light output
- Robust construction with a long durable life
- Hinged front access door eases maintenance
- Multi-directional lamp heads for on site flexibility
- Weatherproof IP55 option

Beamlite

Viewing distance	N/A
Luminous flux Φ_E/Φ_N at end of rated operating time	137 per head 21 watt 275 per head 55 watt
Housing material	Body- Steel, Lamp Heads- Polycarbonate or Steel
Housing colour	White/Black finish
Weight	14.4Kg Max
Type of mounting	Surface mounting
Terminals	
Connection voltage	240V
Power consumption mains operation (apparent power / effective power)	
Permissible ambient temperature	5 degrees to 25 degrees C
Battery	Lead Acid
Light source	12V, 21W tungsten- BA15d cap, 12V, 55W tungsten halogen H3- Pk22s cap

Options	L (mm)	W (mm)	D (mm)
Standard	325	370	82
Weatherproof	300	565	180

Catalogue Numbers

System Mode	Duration	Lamp Rating	Cat No	Weight (kg)
Standard IP20 housing				
Non-Maintained	3 Hour	2 x 21W	BEN3CGL	8.7
Non-Maintained	1 Hour	2 x 55W	BEN1HCGL	11.3
Weatherproof IP55 Housing				
Non-Maintained	3 Hour	2 x 21W	BEN3CGLW	14.4

GuideLed SL CGLine+

Planning help for GuideLed SL CGLine+ with asymmetric optics for E = 1.0 lx (0.5 lx)
Measurement level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

Emergency light operating duration	Mounting height in metres	Mounting types	L1	L2	L3	L4
1 h	2.5	Ceiling mounting	1.6 (2.9)	5.8 (7.4)	5.9 (6.6)	13.2 (14.7)
	3.0	Escape route centre	1.3 (3.0)	5.8 (7.9)	6.6 (7.5)	15.0 (16.6)
	3.5		1.1 (2.2)	4.5 (8.2)	7.3 (8.3)	16.6 (18.5)
	4.0		1.1 (1.9)	3.9 (8.4)	8.1 (9.0)	18.0 (20.3)
	4.5		1.1 (1.7)	3.4 (7.3)	8.7 (9.7)	19.3 (22.0)
	5.0		1.1 (1.6)	3.2 (6.3)	9.4 (10.4)	20.9 (23.6)
	5.5		1.0 (1.5)	3.0 (5.7)	10.0 (11.2)	22.4 (25.0)
	6.0		1.0 (1.5)	3.0 (5.1)	10.5 (11.9)	23.8 (26.4)
	6.5		1.0 (1.5)	3.1 (4.7)	3.6 (12.6)	20.6 (27.8)
	7.0		1.0 (1.5)	3.0 (4.6)	3.5 (13.2)	19.0 (29.3)
	7.5		0.9 (1.5)	3.0 (4.3)	3.4 (13.8)	19.2 (30.8)
	8.0		0.9 (1.4)	2.9 (4.2)	3.3 (14.4)	19.6 (32.3)
	8.5		0.8 (1.4)	2.9 (4.3)	3.1 (14.9)	20.0 (33.7)
3 h	2.5	Ceiling mounting	1.0 (2.3)	4.5 (6.4)	5.4 (6.2)	12.3 (13.7)
	3.0	Escape route centre	0.9 (1.7)	3.4 (6.7)	6.2 (6.9)	13.9 (15.6)
	3.5		0.9 (1.4)	2.9 (6.5)	6.9 (7.6)	15.3 (17.3)
	4.0		0.9 (1.3)	2.6 (5.1)	7.5 (8.4)	16.7 (18.9)
	4.5		0.8 (1.2)	2.4 (4.5)	8.1 (9.1)	18.2 (20.4)
	5.0		0.8 (1.2)	2.5 (4.0)	8.7 (9.8)	19.6 (21.7)
	5.5		0.8 (1.2)	2.5 (3.7)	2.8 (10.4)	15.6 (23.2)
	6.0		0.8 (1.2)	2.4 (3.5)	2.7 (11.1)	15.5 (24.7)
	6.5		0.7 (1.1)	2.3 (3.4)	2.6 (11.6)	15.8 (26.2)
	7.0		0.5 (1.1)	2.3 (3.5)	2.4 (12.2)	16.3 (27.5)
	7.5		0.2 (1.1)	2.3 (3.5)	0.7 (4.0)	8.1 (23.0)
8 h	2.5	Ceiling mounting	0.5 (0.8)	1.6 (3.2)	4.7 (5.2)	10.4 (11.8)
	3.0	Escape route centre	0.5 (0.8)	1.5 (2.6)	5.3 (5.9)	11.9 (13.2)
	3.5		0.5 (0.8)	1.5 (2.3)	1.7 (6.6)	9.5 (14.6)
	4.0		0.4 (0.7)	1.4 (2.1)	1.6 (7.2)	9.8 (16.1)
	4.5		0.2 (0.7)	1.4 (2.2)	1.3 (2.5)	5.1 (15.7)

Planning help for GuideLed SL CGLine+ with symmetric optics for E = 1.0 lx (0.5 lx)
Measurement level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

Emergency light operating duration	Mounting height in metres	Mounting types	L1	L2	L3	L4
1 h	2.5	Ceiling mounting	3.8 (4.5)	9.0 (10.2)	4.2 (4.9)	9.7 (11.4)
	3.0	Escape route centre	4.1 (5.0)	10.0 (11.5)	4.4 (5.4)	10.9 (12.4)
	3.5		4.0 (5.4)	10.8 (12.7)	4.4 (5.9)	11.8 (13.7)
	4.0		3.4 (5.8)	11.5 (13.7)	2.4 (6.2)	12.3 (14.9)
	4.5		1.7 (5.8)	11.6 (14.6)	1.7 (6.4)	10.9 (15.9)
	5.0		1.3 (5.6)	11.0 (15.4)	1.3 (6.2)	10.3 (16.7)
	5.5		0.6 (5.1)	10.2 (16.1)	0.6 (5.4)	9.2 (17.3)
3 h	2.5	Ceiling mounting	3.3 (4.1)	8.2 (9.5)	3.6 (4.5)	8.9 (10.2)
	3.0	Escape route centre	3.1 (4.5)	9.0 (10.6)	3.4 (4.9)	9.7 (11.5)
	3.5		1.5 (4.7)	9.4 (11.5)	1.5 (5.1)	9.0 (12.6)
	4.0		1.0 (4.6)	8.9 (12.4)	1.1 (5.0)	8.3 (13.5)
	4.5		0.4 (4.0)	8.0 (13.1)	0.4 (3.0)	6.1 (14.0)
8 h	2.5	Ceiling mounting Escape route centre	0.6 (2.8)	5.5 (7.7)	0.7 (3.1)	5.2 (8.4)

C 0 ——
C90 - - - -

l/cd/klm

Planning help for GuideLed SL CGLine+ with symmetric optics for E = 1.0 lx (0.5 lx)
Measurement level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

Emergency light opera-ting duration	Mounting height in metres	Mounting types	L1	L2	L3	L4
1 h	2.5	Ceiling mounting	3.4 (4.3)	8.8 (10.2)	3.2 (3.9)	8.1 (9.0)
	3.0	Room illumination	3.4 (4.5)	9.4 (11.3)	3.5 (4.2)	9.4 (10.3)
	3.5		3.4 (4.4)	10.3 (12.5)	3.5 (4.2)	10.2 (11.3)
	4.0		3.4 (4.4)	11.0 (13.5)	3.4 (4.2)	10.9 (12.3)
	4.5		0.7 (4.9)	11.3 (13.9)	1.6 (4.7)	11.5 (13.7)
	5.0		0.6 (5.0)	10.5 (14.7)	1.1 (4.7)	11.4 (14.5)
	5.5		0.5 (4.4)	10.1 (15.5)	0.5 (4.5)	11.3 (15.1)
	6.0		0.7 (2.4)	10.8 (15.9)	0.5 (2.5)	10.0 (15.9)
	6.5		0.5 (0.7)	9.9 (15.6)	0.5 (1.9)	10.3 (16.2)
	7.0		0.5 (0.7)	9.1 (14.9)	0.5 (1.6)	9.9 (16.1)
3 h	2.5	Ceiling mounting	2.9 (3.4)	7.7 (9.5)	2.9 (3.3)	7.7 (8.3)
	3.0	Room illumination	3.0 (4.0)	8.5 (10.4)	2.9 (3.5)	8.5 (9.5)
	3.5		1.4 (4.0)	9.2 (11.0)	2.0 (3.8)	9.1 (10.8)
	4.0		0.5 (4.1)	8.5 (11.7)	1.1 (4.0)	9.2 (11.7)
	4.5		0.7 (4.0)	8.2 (12.4)	0.5 (3.4)	8.9 (12.4)
	5.0		0.7 (1.4)	8.3 (13.0)	0.5 (1.9)	8.3 (13.0)
8 h	2.5	Ceiling mounting	0.6 (2.4)	5.2 (7.2)	0.9 (2.7)	5.7 (7.3)
	3.0	Room illumination	0.7 (1.4)	5.4 (8.0)	0.5 (2.1)	5.0 (7.9)
	3.5		0.5 (0.7)	4.6 (7.5)	0.5 (0.9)	4.9 (8.0)
	4.0		0.6 (0.5)	4.0 (7.0)	0.5 (0.5)	3.9 (8.0)
	4.5		0.7 (0.6)	2.4 (7.2)	0.5 (0.5)	2.5 (7.2)
	5.0		0.5 (0.5)	1.4 (6.4)	0.5 (0.5)	1.4 (6.9)

Style Variant 58011 … 58021 LED CGLine+

Light distribution curve
Style Variant 58011LED CGLine +

Planning help for Style Variant 58011 CGLine+ for E = 1.0 lx (0.5 lx)
Measurement level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

Emergency light operating duration	Mounting height in metres	Mounting types	L1	L2	L3	L4
1 h	2.5	Ceiling mounting	3.7 (4.5)	9.0 (10.9)	3.7 (4.6)	9.1 (13.0)
	3.0	Escape route centre	4.0 (4.9)	9.8 (11.9)	4.0 (4.9)	9.8 (13.2)
	4.0		4.3 (5.5)	11.0 (13.5)	4.3 (5.5)	11.0 (13.5)
	5.0		4.5 (5.9)	11.8 (14.8)	4.5 (5.9)	11.8 (14.8)
	6.0		4.4 (6.2)	12.3 (15.8)	4.4 (6.2)	12.3 (15.9)
	7.0		4.2 (6.3)	12.6 (16.6)	4.1 (6.3)	12.6 (16.7)
	8.0		3.6 (6.3)	12.6 (17.2)	3.6 (6.3)	12.6 (17.3)
	9.0		2.7 (6.2)	12.3 (17.6)	2.7 (6.2)	12.3 (17.6)
3 h	2.5	Ceiling mounting	3.3 (4.1)	8.2 (9.9)	3.3 (4.1)	8.2 (11.1)
	3.0	Escape route centre	3.5 (4.4)	8.8 (10.8)	3.5 (4.4)	8.8 (10.9)
	4.0		3.7 (4.9)	9.7 (12.2)	3.7 (4.9)	9.8 (12.1)
	5.0		3.7 (5.2)	10.3 (13.2)	3.7 (5.2)	10.3 (13.2)
	6.0		3.4 (5.3)	10.5 (14.0)	3.4 (5.3)	10.5 (14.0)
	7.0		2.8 (5.2)	10.5 (14.5)	2.8 (5.2)	10.5 (14.6)
	8.0		1.6 (5.1)	10.1 (14.8)	1.6 (5.0)	10.0 (14.8)
8 h	2.5	Ceiling mounting	2.2 (2.9)	5.9 (7.4)	2.2 (2.9)	5.9 (7.4)
	3.0	Escape route centre	2.2 (3.1)	6.2 (7.9)	2.2 (3.1)	6.2 (7.9)
	3.5		2.1 (3.1)	6.3 (8.3)	2.1 (3.1)	6.3 (8.3)
	4.0		1.8 (3.1)	6.3 (8.6)	1.8 (3.1)	6.3 (8.6)
	4.5		1.4 (3.1)	6.2 (8.8)	1.4 (3.1)	6.2 (8.8)

Planning help for Style Variant 58011 CGLine+ for E = 1.0 lx (0.5 lx)
Measurement plane 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

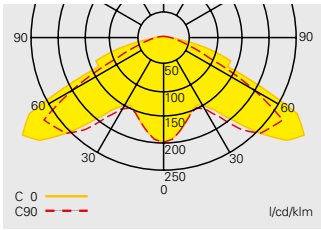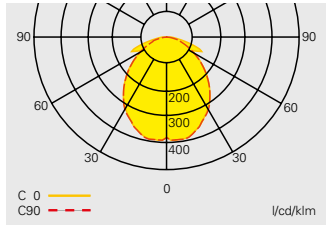| Emergency light operating duration	Mounting height in metres	Mounting types	L1	L2	L3	L4
1 h	2.5	Ceiling mounting	2.6 (2.2)	7.5 (8.4)	3.1 (4.1)	8.2 (12.5)
	3.0	Room illumination	3.1 (1.8)	8.5 (8.9)	3.1 (4.5)	8.4 (13.3)
	4.0		3.3 (4.1)	9.6 (11.7)	3.4 (4.1)	9.6 (11.6)
	5.0		3.5 (4.4)	10.5 (12.9)	3.5 (4.4)	10.4 (12.8)
	6.0		3.4 (4.5)	11.2 (13.9)	3.5 (4.6)	11.1 (13.9)
	7.0		3.2 (4.7)	11.7 (14.8)	3.3 (4.7)	11.7 (14.7)
	8.0		2.9 (4.6)	12.1 (15.5)	2.9 (4.8)	12.1 (15.5)
	9.0		2.3 (4.5)	12.4 (16.1)	2.4 (4.7)	12.4 (16.1)
3 h	2.5	Ceiling mounting	2.7 (1.7)	7.1 (7.5)	2.7 (3.8)	7.0 (11.0)
	3.0	Room illumination	2.8 (3.0)	7.7 (8.9)	2.8 (3.7)	7.6 (9.8)
	4.0		2.9 (3.7)	8.6 (10.6)	3.0 (3.7)	8.6 (10.5)
	5.0		2.9 (3.9)	9.3 (11.6)	3.0 (4.0)	9.3 (11.6)
	6.0		2.8 (4.0)	9.9 (12.5)	2.8 (4.0)	9.8 (12.4)
	7.0		2.4 (3.9)	10.2 (13.2)	2.4 (4.0)	10.2 (13.1)
	8.0		1.8 (3.8)	10.4 (13.7)	1.9 (3.9)	10.4 (13.7)
8 h	2.5	Ceiling mounting	2.0 (2.4)	5.2 (6.4)	2.0 (2.5)	5.2 (6.4)
	3.0	Room illumination	2.0 (2.5)	5.6 (7.0)	2.0 (2.5)	5.5 (6.9)
	4.0		1.7 (2.5)	6.1 (7.7)	1.6 (2.7)	6.0 (7.8)
	5.0		1.1 (2.4)	6.2 (8.3)	1.2 (2.5)	6.3 (8.3)

Light distribution curve
Style Variant 58011LED CGLine +

Planning help for Style Variant 58011 CGLine+ for E = 1.0 lx
Measurement level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m
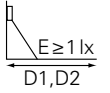
Emergency light operating duration	Mounting height in metres	Mounting types	L1	L2	D1	L3	L4	D2
1 h	2.2	Wall mounting	2.5	6.4	4.0	2.7	7.0	3.8
	2.5		2.5	6.5	4.1	2.5	6.8	4.3
	3.0		2.3	6.4	4.4	1.6	6.5	5.3
	3.5		1.8	6.0	5.0	0.5	3.4	6.1
3 h	2.2	Wall mounting	2.1	5.6	3.4	2.0	6.1	3.6
	2.5		2.1	5.6	3.3	1.5	5.9	4.2
	3.0		1.8	5.4	3.7	0.5	5.0	4.0
	3.5		-	-	-	-	-	-
8 h	2.2	Wall mounting	0.9	3.2	1.3	0.4	2.5	1.0
	2.5		0.6	3.1	1.0	-	-	-
	3.0		-	-	-	-	-	-
	3.5		-	-	-	-	-	-

3583 LED CGLine+

Escape route centre

Planning help for 3583 1-8h/D LED CGLine+ for E = 1.0 lx (0.5 lx)
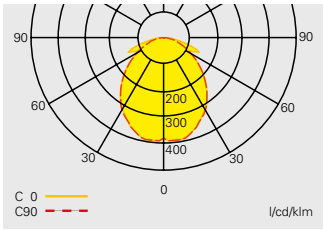Measuring level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m
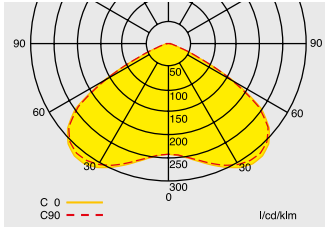
Light distribution curve
3583 LED CGLine+

Duration of emergency operation	Mounting hight in metres	Types of mounting		L1	L2	L3	L4
1 h	2.5	Ceiling mounting		4.3 (5.0)	10.0 (11.4)	4.3 (5.0)	10.0 (11.4)
	3.0	Escape route centre		4.7 (5.6)	11.2 (12.8)	4.8 (5.6)	11.2 (12.8)
	3.5			5.1 (6.1)	12.2 (14.1)	5.1 (6.1)	12.2 (14.1)
	4.0			5.3 (6.5)	13.0 (15.3)	5.3 (6.5)	13.1 (15.3)
	4.5			5.5 (6.9)	13.8 (16.4)	5.5 (6.9)	13.8 (16.4)
	5.0			5.6 (7.2)	14.4 (17.4)	5.6 (7.2)	14.5 (17.4)
	5.5			5.6 (7.4)	14.9 (18.2)	5.6 (7.5)	15.0 (18.2)
	6.0			5.6 (7.6)	15.3 (19.0)	5.6 (7.7)	15.3 (19.0)
	6.5			5.5 (7.8)	15.6 (19.7)	5.5 (7.8)	15.6 (19.7)
	7.0			5.3 (7.9)	15.7 (20.3)	5.3 (7.9)	15.8 (20.4)
	7.5			5.0 (7.9)	15.8 (20.8)	5.0 (7.9)	15.9 (20.9)
	8.0			4.6 (7.9)	15.8 (21.2)	4.6 (7.9)	15.9 (21.3)
	8.5			3.8 (7.9)	15.7 (21.6)	3.8 (7.9)	15.7 (21.7)
	9.0			2.2 (7.8)	15.6 (21.9)	2.2 (7.8)	15.6 (22.0)
3 h	2.5	Ceiling mounting		3.9 (4.6)	9.2 (10.5)	3.9 (4.6)	9.2 (10.5)
	3.0	Escape route centre		4.2 (5.1)	10.1 (11.8)	4.2 (5.1)	10.2 (11.8)
	3.5			4.4 (5.5)	10.9 (12.9)	4.4 (5.5)	11.0 (12.9)
	4.0			4.5 (5.8)	11.6 (13.9)	4.5 (5.8)	11.6 (14.0)
	4.5			4.5 (6.0)	12.1 (14.8)	4.5 (6.1)	12.1 (14.8)
	5.0			4.5 (6.2)	12.4 (15.5)	4.5 (6.2)	12.5 (15.6)
	5.5			4.3 (6.3)	12.6 (16.2)	4.3 (6.4)	12.7 (16.2)
	6.0			4.0 (6.4)	12.7 (16.7)	4.1 (6.4)	12.8 (16.8)
	6.5			3.6 (6.4)	12.8 (17.2)	3.6 (6.4)	12.8 (17.2)
	7.0			2.7 (6.3)	12.6 (17.5)	2.8 (6.3)	12.6 (17.6)
8 h	2.5	Ceiling mounting		2.8 (3.6)	7.2 (8.7)	2.8 (3.6)	7.2 (8.7)
	3.0	Escape route centre		2.8 (3.8)	7.6 (9.5)	2.8 (3.8)	7.7 (9.5)
	3.5			2.6 (3.9)	7.9 (10.1)	2.6 (3.9)	7.9 (10.2)
	4.0			2.3 (4.0)	7.9 (10.6)	2.3 (4.0)	7.9 (10.7)
	4.5			1.1 (3.9)	7.8 (10.9)	1.2 (3.9)	7.8 (11.0)

Cat. No. MP2E3H
Escape Route

— C0 — C90

Cat. No. MP2O3H
Open Area Anti-Panic

— C0 ⋯ C90

Mode	Mounting hight in metres	Lux level directly under				
Escape optic (Assymetric)			Escape Route 2m wide 1 lux min			
Self contained	2.5	2.7	-	-	16.6	7.5
	2.8	2.2	-	-	18.1	8.1
	3.0	1.9	-	-	19.1	8.3
Open Area optic (Symmetric)			Open (anti-panic) area 0.5 lux min			
Self contained	2.5	1.7	5.3	10.5	10.5	5.3
	2.8	1.4	5.7	11.5	11.5	5.7
	3.0	1.2	5.9	12.2	12.2	5.9
	4.0	0.67	4.9	12.5	12.5	4.9
Open Area optic (Symmetric)			Open area 1.0 lux min			
Self contained	2.5	1.7	4.3	9.4	9.4	4.3
	2.8	1.4	3.3	9.3	9.3	3.3
	3.0	1.2	3.2	9.2	9.2	3.2

Escape Route (Asymmetric - 1 Lux)

Open Area (Symmetric - 0.5 Lux)

Micropoint 2 Surface

Mode	Mounting hight in metres	Lux level directly under	⧄⧄ ▯	▯ ▯	▭ ▭	⧄ ▭
Escape optic (Assymetric)			Escape Route 2m wide 1 lux min			
Self contained	2.5	2.7	-	-	16.6	7.5
	2.8	2.2	-	-	18.1	8.1
	3.0	1.9	-	-	19.1	8.3
Open Area optic (Symmetric)			Open (anti-panic) area 0.5 lux min			
Self contained	2.5	1.7	5.3	10.5	10.5	5.3
	2.8	1.4	5.7	11.5	11.5	5.7
	3.0	1.2	5.9	12.2	12.2	5.9
	4.0	0.67	4.9	12.5	12.5	4.9
Open Area optic (Symmetric)			Open area 1.0 lux min			
Self contained	2.5	1.7	4.3	9.4	9.4	4.3
	2.8	1.4	3.3	9.3	9.3	3.3
	3.0	1.2	3.2	9.2	9.2	3.2

Cat. No. MP2SE3H
Escape Route

Cat. No. MP2SO3H
Open Area Anti-Panic

Escape Route (Asymmetric - 1 Lux)

Open Area (Symmetric - 0.5 Lux)

Outdoor Wall CGLine +
with asymmetric optics
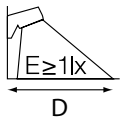
Planning help for Outdoor Wall – asymmetric optics for E = 1.0 lx (0.5 lx)
Measurement level: 0.02 m, maintenance factor MF = 80 %, battery operation

Duration of emergency operation	Mounting hight in metres	Types of mounting	L1	L2	D
1 h	2.0	Wall mounting	4.5	11.4	0 - 2.0
	2.5		5.3	12.2	0 - 2.1
	3.0		5.8	13.8	0 - 2.1
	3.5		6.6	15.3	0 - 2.2
	4.0		7.0	16.7	0 - 2.3
	4.5		7.6	18.1	0 - 2.2
	5.0		8.3	19.2	0 - 2.1
	5.5		8.6	18.9	0.7 - 2.0
	6.0		3.0	16.9	1.0 - 1.9
3 h	2.0	Wall mounting	4.2	9.5	0 - 1.6
	2.5		4.8	11.0	0 - 1.7
	3.0		5.4	12.4	0 - 1.7
	3.5		5.8	13.3	0 - 1.7
	4.0		6.2	14.0	0.4 - 1.6
	4.5		2.1	12.5	0.7 - 1.5
8 h	2.0	Wall mounting	3.5	8.0	0.2 - 1.2
	2.5		3.9	8.6	0.3 - 1.0
	2.8		1.4	8.3	0.5 - 1.0

Atlantic R CGLine+

Atlantic R CGLine+
with asymmetric optics

Planning help for Atlantic LED R – asymmetric optics for E = 1.0 lx (0.5 lx)
Measurement level: 0.02 m, maintenance factor MF = 80 %, battery operation

Duration of emergency operation	Mounting hight in metres	Types of mounting	L1	L2	L3	L4
1 h	2.5	Ceiling mounting	6.0 (6.5)	13.0 (14.2)	2.0 (3.0)	6.1 (7.3)
	3.0	Escape route centre	6.8 (7.5)	15.0 (16.2)	1.7 (3.2)	6.1 (8.0)
	3.5		7.5 (8.4)	16.8 (18.3)	1.4 (2.8)	5.6 (8.5)
	4.0		8.3 (9.2)	18.5 (20.3)	1.2 (2.5)	5.0 (8.7)
	4.5		9.0 (10.0)	20.0 (22.2)	1.1 (2.2)	4.4 (8.6)
	5.0		9.6 (10.7)	21.5 (24.0)	1.1 (1.9)	3.9 (7.9)
	5.5		10.3 (11.5)	23.0 (25.7)	1.1 (1.8)	3.6 (7.2)
	6.0		10.8 (12.2)	24.4 (27.2)	1.0 (1.6)	3.3 (6.6)
	6.5		3.6 (12.9)	24.2 (28.8)	1.0 (1.6)	3.3 (6.0)
	7.0		3.5 (13.6)	21.9 (30.2)	1.0 (1.6)	3.3 (5.5)
	7.5		3.4 (14.2)	21.8 (31.7)	1.0 (1.6)	3.2 (5.2)
	8.0		3.3 (14.8)	22.0 (33.2)	0.9 (1.5)	3.1 (4.9)
	8.5		3.1 (15.3)	22.5 (34.6)	0.8 (1.5)	3.0 (4.6)
3 h	2.5	Ceiling mounting	5.6 (6.2)	12.4 (13.4)	1.3 (2.6)	4.9 (6.5)
	3.0	Escape route centre	6.3 (7.1)	14.2 (15.5)	1.0 (2.1)	4.2 (7.0)
	3.5		7.1 (7.9)	15.8 (17.4)	0.9 (1.8)	3.7 (7.0)
	4.0		7.7 (8.6)	17.2 (19.2)	0.9 (1.6)	3.2 (6.4)
	4.5		8.3 (9.4)	18.7 (20.9)	0.9 (1.4)	2.8 (5.7)
	5.0		8.9 (10.1)	20.1 (22.5)	0.8 (1.3)	2.6 (5.1)
	5.5		2.9 (10.7)	17.7 (23.9)	0.8 (1.3)	2.6 (4.6)
	6.0		2.7 (11.4)	17.6 (25.4)	0.8 (1.3)	2.6 (4.2)
	6.5		2.6 (12.0)	17.8 (26.9)	0.7 (1.2)	2.5 (3.9)
	7.0		2.4 (12.5)	18.3 (28.3)	0.6 (1.2)	2.4 (3.7)
8 h	2.5	Ceiling mounting	4.8 (5.4)	10.7 (12.0)	0.6 (1.0)	1.9 (4.0)
	3.0	Escape route centre	5.4 (6.1)	12.2 (13.6)	0.5 (0.8)	1.6 (3.3)
	3.5		1.8 (6.8)	11.0 (15.1)	0.5 (0.8)	1.6 (2.8)
	4.0		1.6 (7.4)	10.0 (16.6)	0.5 (0.8)	1.6 (2.5)
	4.5		1.3 (2.6)	5.1 (18.0)	0.3 (0.7)	1.5 (2.3)

Atlantic O CGLine +
with symmetric optics

Planning help for Atlantic LED O – symmetric optics for E = 1.0 lx (0.5 lx)
Measurement level: 0.02 m, maintenance factor MF = 80 %, battery operation

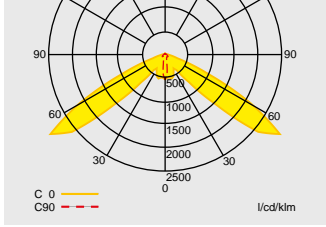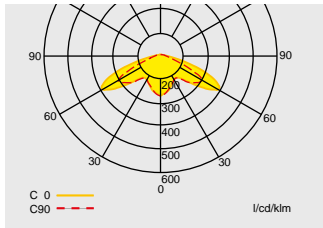| Duration of emergency operation	Mounting hight in metres	Types of mounting	L1	L2	L3	L4
1 h	2.5	Ceiling mounting	4.5 (5.4)	10.7 (12.4)	3.8 (4.5)	8.9 (10.0)
	3.0	Escape route centre	4.7 (5.9)	11.7 (13.8)	4.1 (5.0)	9.9 (11.4)
	3.5		4.9 (6.3)	12.5 (15.1)	4.1 (5.4)	10.8 (12.5)
	4.0		4.3 (6.6)	13.2 (16.1)	4.1 (5.8)	11.4 (13.6)
	4.5		2.3 (6.8)	13.6 (17.0)	2.1 (5.8)	11.2 (14.5)
	5.0		1.9 (6.8)	13.1 (17.8)	1.9 (5.8)	10.4 (15.3)
	5.5		1.6 (6.5)	12.5 (18.5)	1.5 (5.8)	9.6 (16.0)
	6.0		1.1 (3.5)	7.0 (18.9)	1.1 (3.7)	7.3 (16.3)
	6.5		0.7 (3.1)	6.1 (19.3)	0.7 (2.9)	5.8 (15.5)
3 h	2.5	Ceiling mounting	3.8 (4.8)	9.6 (11.4)	3.3 (4.1)	8.1 (9.3)
	3.0	Escape route centre	3.8 (5.2)	10.4 (12.5)	3.3 (4.5)	8.9 (10.5)
	3.5		1.9 (5.4)	10.8 (13.5)	1.9 (4.7)	9.4 (11.4)
	4.0		1.6 (5.5)	10.6 (14.3)	1.5 (4.7)	8.4 (12.3)
	4.5		1.2 (5.1)	10.0 (15.0)	1.2 (4.7)	7.6 (12.9)
	5.0		0.8 (2.7)	5.4 (15.4)	0.8 (2.6)	5.2 (13.1)
8 h	2.5	Ceiling mounting	1.0 (3.4)	6.6 (8.9)	0.9 (2.9)	5.2 (7.6)
	3.0	Escape route centre	0.6 (1.8)	3.6 (9.5)	0.6 (1.9)	3.7 (8.2)

Planning help for Atlantic LED O – symmetric optics for E = 1.0 lx (0.5 lx)
Measurement level: 0.02 m, maintenance factor MF = 80 %, battery operation

Duration of emergency operation	Mounting hight in metres	Types of mounting	L1	L2	L3	L4
1 h	2.5	Ceiling mounting	3.9 (4.3)	9.6 (10.6)	2.9 (3.6)	7.2 (8.5)
	3.0	Room illumination	3.4 (4.6)	10.6 (11.6)	3.1 (4.1)	8.1 (9.8)
	3.5		3.4 (4.4)	11.6 (13.2)	3.1 (4.2)	8.8 (10.4)
	4.0		3.4 (5.4)	12.5 (14.6)	2.8 (4.1)	9.4 (11.0)
	4.5		2.4 (5.4)	13.0 (15.6)	1.8 (4.1)	10.2 (11.8)
	5.0		1.9 (5.4)	12.1 (16.8)	0.8 (3.8)	11.1 (12.3)
	5.5		1.0 (5.4)	11.6 (17.6)	0.8 (3.7)	11.0 (13.0)
	6.0		1.2 (3.4)	11.8 (18.4)	0.5 (3.1)	10.5 (13.6)
	6.5		1.0 (2.4)	11.9 (18.2)	0.5 (0.8)	9.5 (14.9)
	7.0		0.6 (2.4)	11.3 (17.1)	0.5 (1.0)	8.9 (15.8)
3 h	2.5	Ceiling mounting	3.4 (3.4)	8.9 (9.6)	2.4 (3.4)	6.5 (8.0)
	3.0	Room illumination	3.4 (4.3)	9.7 (11.0)	2.5 (3.6)	7.3 (8.7)
	3.5		2.0 (4.4)	10.5 (12.2)	2.0 (3.5)	7.9 (9.4)
	4.0		1.4 (4.4)	9.7 (13.3)	0.9 (3.4)	9.0 (10.0)
	4.5		1.0 (4.4)	9.4 (14.1)	0.6 (3.3)	8.8 (10.7)
	5.0		1.0 (2.4)	9.2 (14.5)	0.5 (3.3)	8.5 (11.6)
	5.5		0.6 (2.1)	9.3 (13.9)	0.5 (0.9)	7.3 (12.9)
	6.0		0.5 (1.5)	8.7 (13.6)	0.5 (0.5)	6.8 (12.5)
8 h	2.5	Ceiling mounting	1.2 (2.9)	6.0 (8.3)	0.8 (2.2)	5.6 (6.2)
	3.0	Room illumination	0.8 (1.9)	5.8 (8.9)	0.6 (1.9)	5.3 (7.0)
	3.5		0.5 (1.4)	5.7 (8.6)	0.5 (0.6)	4.4 (7.9)
	4.0		0.7 (0.8)	4.7 (8.2)	0.5 (0.7)	4.3 (7.7)
	4.5		0.7 (0.9)	3.3 (8.0)	0.7 (0.5)	3.4 (7.3)
	5.0		0.7 (0.5)	2.8 (8.0)	0.5 (0.5)	2.4 (6.2)

6811 LED CGLine+

Planning help for 6811 LED CGLine+ for E = 1,0 lx (0,5 lx)
Measurement level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

Emergency light opera- ting duration	Mounting height in metres	Mounting types	L1	L2	L3	L4
1 h	2.5	Ceiling mounting	3.6 (4.5)	9.0 (11.1)	3.8 (4.8)	9.6 (12.1)
	3.0	Escape route centre	3.7 (4.8)	9.6 (12.0)	3.9 (5.1)	10.2 (12.9)
	3.5		3.8 (5.0)	10.0 (12.7)	4.0 (5.3)	10.6 (13.6)
	4.0		3.8 (5.2)	10.4 (13.3)	4.0 (5.5)	10.9 (14.2)
	5.0		3.7 (5.4)	10.8 (14.2)	3.9 (5.6)	11.3 (15.1)
	6.0		3.3 (5.4)	10.8 (14.9)	3.4 (5.6)	11.3 (15.6)
	7.0		2.5 (5.3)	10.5 (15.2)	2.6 (5.5)	10.9 (15.9)
3 h	2.5	Ceiling mounting	3.1 (4.0)	8.0 (10.0)	3.3 (4.3)	8.5 (10.8)
	3.0	Escape route centre	3.2 (4.2)	8.5 (10.7)	3.3 (4.5)	8.9 (11.5)
	3.5		3.2 (4.4)	8.8 (11.3)	3.3 (4.6)	9.2 (12.0)
	4.0		3.1 (4.5)	9.0 (11.8)	3.3 (4.7)	9.4 (12.5)
	5.0		2.8 (4.5)	9.1 (12.4)	2.9 (4.7)	9.5 (13.1)
	6.0		1.9 (4.4)	8.7 (12.8)	2.0 (4.5)	9.1 (13.4)
8 h	2.5	Ceiling mounting	1.9 (2.7)	5.4 (7.1)	1.9 (2.8)	5.6 (7.5)
	3.0	Escape route centre	1.7 (2.7)	5.4 (7.4)	1.7 (2.8)	5.7 (7.8)
	3.5		1.3 (2.6)	5.3 (7.6)	1.3 (2.7)	5.5 (8.0)

Planning help for 6811 LED CGLine+ for E = 1,0 lx (0,5 lx)
Measurement plane 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

Emergency light opera- ting duration	Mounting height in metres	Mounting types	L1	L2	L3	L4
1 h	2.5	Ceiling mounting	2.9 (3.7)	8.3 (10.3)	2.7 (3.2)	8.3 (10.2)
	3.0	Room illumination	3.0 (3.8)	8.9 (11.0)	2.8 (3.5)	8.9 (11.1)
	4.0		3.1 (3.8)	9.4 (11.6)	2.8 (3.7)	9.4 (11.9)
	5.0		3.1 (4.0)	9.8 (12.3)	2.8 (3.7)	9.8 (12.4)
	6.0		3.0 (4.2)	10.5 (13.4)	2.6 (3.7)	10.4 (13.3)
	7.0		2.6 (4.1)	10.9 (14.2)	2.3 (3.7)	10.9 (14.1)
	8.0		2.2 (4.0)	11.1 (14.8)	1.9 (3.5)	11.1 (14.7)
	9.0		1.7 (3.6)	11.2 (15.1)	1.1 (3.4)	11.1 (15.4)
3 h	2.5	Ceiling mounting	2.5 (3.3)	7.4 (9.2)	2.4 (3.0)	7.5 (9.2)
	3.0	Room illumination	2.7 (3.4)	7.9 (9.9)	2.4 (3.1)	7.9 (9.9)
	4.0		2.6 (3.5)	8.3 (10.5)	2.4 (3.2)	8.3 (10.5)
	5.0		2.6 (3.5)	8.7 (11.0)	2.3 (3.2)	8.6 (11.0)
	6.0		2.3 (3.5)	9.1 (11.8)	2.0 (3.2)	9.1 (11.8)
	7.0		1.9 (3.0)	9.3 (12.1)	1.6 (3.4)	9.3 (12.8)
	8.0		1.2 (3.1)	9.3 (12.9)	0.8 (2.7)	9.3 (12.8)
8 h	2.5	Ceiling mounting	1.7 (2.3)	5.2 (6.7)	1.6 (2.1)	5.2 (6.6)
	3.0	Room illumination	1.4 (2.3)	5.3 (7.1)	1.6 (2.1)	5.6 (7.0)
	4.0		1.4 (2.3)	5.6 (7.4)	1.1 (2.0)	5.5 (7.3)
	5.0		1.1 (2.1)	5.6 (7.6)	0.8 (1.9)	5.5 (7.6)

Light distribution curve 6811 LED CGLine+
with transparent cover

Planning help for 6811 LED CGLine+ for E = 1,0 lx
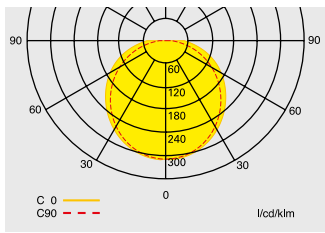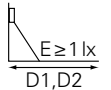Measurement level 0.02 m, maintenance factor MF = 80 %, battery operation, distances in m

Emergency light operating duration	Mounting height in metres	Mounting types	L1	L2	D1	L3	L4	D2
1 h	2.2	Wall mounting	2.5	7.1	3.3	2.6	7.1	3.2
	2.5		2.4	7.0	3.4	2.4	7.0	3.5
	3.0		2.0	6.6	4.0	2.0	6.7	3.8
	3.5		1.2	3.0	4.4	1.1	6.0	4.5
3 h	2.2	Wall mounting	2.0	5.8	2.8	2.1	6.0	2.7
	2.5		1.9	5.7	2.9	1.8	5.8	3.0
	3.0		1.6	5.4	3.2	1.1	5.3	3.5
	3.5		-	-	-	-	-	-
8 h	2.2	Wall mounting	0.8	3.4	1.7	0.3	3.1	2.0
	2.5		0.2	2.9	2.0	-	-	-
	3.0		-	-	-	-	-	-
	3.5		-	-	-	-	-	-

Atlantic Plus

Mode	Mounting height (m)	Lux level directly under	Escape route 2m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Self-contained - Atlantic Plus										
NM	2.5	3.05	3.5	10.3	5.8	2.1	3.6	10.9	6.7	2.0
	4.0	1.19	1.6	8.8	5.6	1.1	3.0	13.4	7.7	1.9
	6.0	0.53	-	-	-	-	1.1	11.1	5.0	0.7
M	2.5	2.59	3.0	9.6	5.4	1.9	3.3	10.0	6.1	1.8
	4.0	1.01	0.8	7.2	5.0	0.3	2.5	12.8	7.2	1.7
	6.0	0.45	-	-	-	-	-	-	-	-
Self-contained - Atlantic										
NM	2.5	1.66	1.6	7.4	4.3	1.3	2.5	9.1	5.3	1.4
	4.0	0.65	-	-	-	-	0.7	9.6	5.8	0.4
	6.0	0.29	-	-	-	-	-	-	-	-
M	2.5	1.40	1.2	6.6	3.9	1.0	2.3	8.8	5.0	1.4
	4.0	0.55	-	-	-	-	0.9	8.0	5.0	0.6
	6.0	0.25	-	-	-	-	-	-	-	-
Slave										
AC/DC	2.5	3.05	3.5	10.4	5.9	2.0	3.6	10.7	6.7	2.0
	4.0	1.19	1.3	9.9	5.6	1.1	3.1	13.5	7.7	2.0
	6.0	0.53	-	-	-	-	1.1	12.0	7.9	0.7
AC/AC	2.5	4.40	4.3	11.4	6.6	2.4	4.0	10.6	7.0	1.7
	4.0	1.70	2.7	12.0	6.6	2.0	4.2	13.7	8.5	1.7
	6.0	0.80	0	6.2	5.4	-	2.2	15.3	9.5	1.4
LED	2.5	4.7	1.3	6.2	4.8	1.8	2.1	7.5	4.8	2.3
	2.8	3.7	1.4	6.4	4.8	1.9	2.2	7.7	4.9	2.4
	3	3.2	1.4	6.6	4.9	1.9	2.2	8	5	2.5
	3.5	2.4	1	3.7	4.9	2	2.3	4.8	4	2.6

Britelite

Mode	Mounting height (m)	Lux level directly under	Escape route 2m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Self-contained										
NM	2.8	3.0	3.9	11.6	5.7	1.9	3.8	11.1	6.4	1.9
	4.0	1.5	2.0	11.8	5.7	1.5	3.8	13.8	7.4	1.9
	6.0	0.65	-	-	-	-	1.7	16.4	8.0	1.4
Self-contained										
M	2.8	2.5	3.3	10.8	5.2	1.7	3.7	10.8	6.1	1.8
	4.0	1.1	1.5	9.8	5.0	1.1	3.3	13.3	6.8	1.6
	6.0	0.55	-	-	-	-	1.0	15.4	7.1	1.0
Slave luminaire										
	2.5	3.5	4.4	11.8	5.8	2.0	4.0	11.5	7.0	2.0
	4.0	1.7	2.1	12.7	6.0	1.8	4.4	13.8	7.5	1.9
	6.0	0.7	-	-	-	-	2.0	16.2	8.3	1.6

Alfalux High Bay LED

Mode	Mounting height (m)	Lux level directly under	Escape route 2m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mtd/NMtd	6	-	3.5	8.2	12.2	5.8	3.7	7.3	11.6	6.1
High Bay	8	-	3.9	9.4	15.7	7	4.5	9.5	14.5	7.1
	10	-	4.1	10.5	18.3	7.5	5	11	17.3	7.9
	15	-	1.6	10.6	21.2	6.8	5.8	14.1	30	10
	20	-	-	-	-	-	3.2	14.6	30	10
230V Slave	6	-	4.1	9.2	12.9	6.1	4.1	8.2	11.5	6.1
& CEAG	10	-	5.2	12.3	19.7	8.8	5.6	12.3	17.8	8.6
High Bay	15	-	5.6	15	25.4	9.8	6.9	15.5	24	10.2
	20	-	3	15.1	27	7	6.5	15.7	30.3	11.7
	25	-	-	-	-	-	3.5	17	37.5	13.5
Mtd/NMtd	2.5	-	4.3	9.4	9.4	1.7	5.3	10.5	10.5	1.7
Mid Bay	2.8	-	3.3	9.3	9.3	1.4	5.7	11.5	11.5	1.4
	3.0	-	3.2	3.2	9.2	1.2	5.9	12.2	12.2	1.2
	4.0	-	-	-	-	-	4.9	12.5	12.5	0.67
230V Slave	2.5	-	4.0	8.1	8.1	4.0	4.3	7.9	7.9	4.3
& CEAG	2.8	-	4.4	9.0	9.0	4.4	4.7	8.6	8.6	4.7
Mid Bay	3.0	-	4.4	9.0	9.0	4.4	4.7	8.6	8.6	4.7
	4.0	-	5.9	12.4	12.4	5.9	6.1	11.6	11.6	6.1
	6.0	-	7.5	17.3	17.3	7.5	8.2	16.6	16.6	8.2
Self Contained	4.0	-	3.4	9.4	8.0	2.8	2.8	6.3	9.2	2.6
8W T5	6.0	-	3.2	9.8	8.0	2.8	2.6	11.9	10.6	2.1
NMtd	8.0	-	1.4	8.6	7.9	1.4	2.1	12.1	10.6	2.0
	10.0	-	-	-	-	-	2.0	12.9	10.6	1.6
Self Contained	4.0	-	2.9	8.6	7.2	1.6	2.2	8.8	8.1	2.1
8W T5	6.0	-	2.2	9.2	7.6	2.2	2.1	10.6	8.7	2.1
Mtd	8.0	-	1.0	7.7	7.6	1.0	1.9	11.2	9.3	1.8
	10.0	-	-	-	-	-	0.7	11.6	9.8	0.4
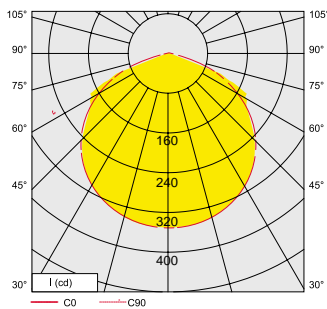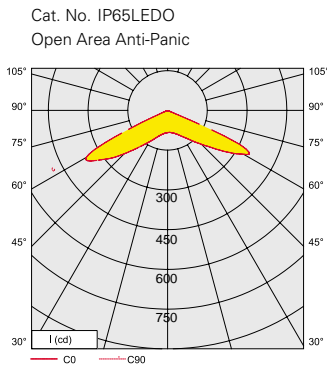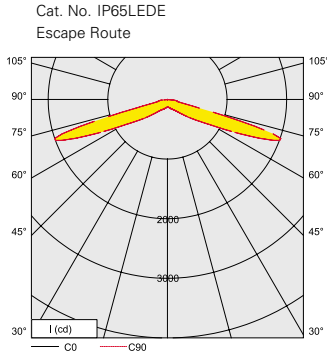
Cat. No. IP65LEDE
Escape Route

Cat. No. IP65LEDO
Open Area Anti-Panic

Mode	Mounting hight in metres	Lux level directly under	▨↔▢	▢↔▢	▭↔▭	▨↔▭
Escape optic (Assymetric)		Escape Route 2m wide 1 lux min				
Self contained	2.5	2.7	-	-	17.1	7.8
	2.8	2.2	-	-	18.6	8.4
	3.0	1.9	-	-	19.6	8.6
Open Area optic (Symmetric)		Open (anti-panic) area 0.5 lux min				
Self contained	2.5	1.7	5.3	10.5	10.5	5.3
	2.8	1.4	5.7	11.5	11.5	5.7
	3.0	1.2	5.9	12.2	12.2	5.9
	4.0	0.67	4.9	12.5	12.5	4.9
Open Area optic (Symmetric)		Open area 1.0 lux min				
Self contained	2.5	1.7	4.3	9.4	9.4	4.3
	2.8	1.4	3.3	9.3	9.3	3.3
	3.0	1.2	3.2	9.2	9.2	3.2

Escape Route (Asymmetric - 1 Lux)

Open Area (Symmetric - 0.5 Lux)

NexitTech

Escape Route

Mode	Mount height (m)	Lux level directly under	Escape route 2m wide, 1 Lux min			
			▨↔▢	▢↔▢	▭↔▨	▭↔▭
Non maintained						
	2.5	4.4	2.7	7.2	2.7	7.2
	2.8	3.6	2.7	7.4	2.7	7.4
	3.0	3.2	2.7	7.5	2.7	7.5
	4.0	1.8	2.5	7.8	2.5	7.8
	5.0	1.1	1.3	7.1	1.3	7.1
	6.0	-	-	-	-	-
	7.0	-	-	-	-	-

Open (anti panic)

Mode	Mount height (m)	Lux level directly under	open area, 0,5 Lux min			
			▨↔▢	▢↔▢	▭↔▨	▭↔▭
Non maintained						
	2.5	4.4	3.1	7.5	3.1	7.5
	2.8	3.6	3.2	7.9	3.2	7.9
	3.0	3.2	3.3	8.1	3.3	8.1
	4.0	1.8	3.4	9.1	3.4	9.1
	5.0	1.1	3.1	9.6	3.1	9.6
	6.0	0.8	2.7	10.2	2.7	10.2
	7.0	0.5	2.0	10.5	2.0	10.5

Mode	Mount height (m)	Lux level directly under	open area, 1 Lux min			
			▨↔▢	▢↔▢	▭↔▨	▭↔▭
Non maintained						
	2.5	4.4	2.5	6.2	2.5	6.2
	2.8	3.6	2.6	6.4	2.6	6.4
	3.0	3.2	2.6	6.6	2.6	6.6
	4.0	1.8	2.4	7.3	2.4	7.3
	5.0	1.1	1.5	7.4	1.5	7.4
	6.0	-	-	-	-	-
	7.0	-	-	-	-	-

Vistral LED

| Mode	Mounting height (m)	Lux level directly under	Escape route 2m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Self-contained										
NM	2.5	2.70	2.4	5.8	5.4	1.9	2.0	6.3	6.2	1.9
	4.0	1.06	1.6	7.2	5.1	0.6	2.5	7.4	7.0	1.7
	6.0	0.47	-	-	-	-	-	8.8	7.4	-
M	2.5	2.16	2.3	5.6	5.0	1.7	2.0	5.9	5.7	1.7
	4.0	0.90	-	6.8	4.4	-	2.3	7.0	6.7	1.5
	6.0	0.40	-	-	-	-	-	8.5	7.0	-
Slave										
AC/DC	2.5	4.89	2.9	6.8	6.8	2.6	2.3	7.5	7.2	2.3
	4.0	1.91	3.5	8.6	7.4	2.3	3.0	8.9	8.9	2.5
	6.0	0.85	-	-	-	-	3.5	10.0	9.8	2.1
AC/AC	2.5	6.7	3.1	7.8	7.8	3.0	2.7	8.4	7.7	2.0
	4.0	2.6	3.9	9.0	8.4	2.9	3.2	9.8	9.8	2.1
	6.0	1.1	3.1	11.2	7.6	1.4	3.9	11.2	11.2	1.9
LED	2.5	2.2	2.5	6.3	4.4	1.5	3.3	7.2	5.6	2.5
	2.8	1.8	2.6	6.6	4.5	1.5	3.4	7.5	6.0	2.7
	3	1.5	2.5	6.7	4.6	1.4	3.5	7.7	6.2	2.6
	3.5	1.1	1.8	7.1	4.5	0.8	3.6	8	6.5	2.7

Beamlite

Mounting Height - H(m)	Aiming Angle - Ø	Spacing Luminaire to Wall - D1(m)	Spacing between Luminaires - D2(m)
2 x 55W			
20	7°	4.8	10.2
25	6°	5.2	11.1
30	5°	5.4	11.7
35	5°	6.1	13
40	5°	6.7	14.3
45	4°	6.8	14.4
50	4°	7.1	15.2
2 x 21W			
4	35°	4.3	9.3
6	15°	3.1	8
8	12°	3.4	7.3
10	11°	3.7	8.1
15	8°	3.5	8.9

Notes:
1. Spacing achieves 1 lux min on centre line of escape route
2. Aiming angle at 4m height restricted by glare cut-off restriction
3. K factor of 0.55 and S factor of 0.8 have been applied
4. 2 x 55W spacing distances for mounting heights below 10m are same as for 2 x 21W unit
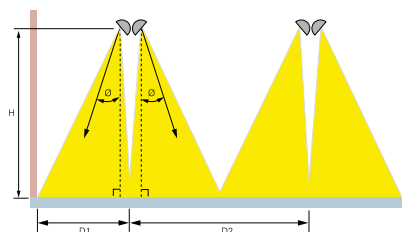
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