

2023



**EML<sup>®</sup>**

EMERGENCY LIGHTING

PRODUCT CATALOG

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# EML<sup>®</sup> INTRODUCTION



Today's happenings around the world make it increasingly necessary to have security systems at all times, accuracy and immediate response to life-threatening events are basic needs. In case of a simple power outage or fire, buildings must be evacuated as fast as possible. It is vitally important to make the escape safe and fast. The exit sign must clearly show the pathways and exit routes to escape from the building. The role and importance of emergency systems are priceless in the event of a fire or other emergency. For this reason, the provision of emergency lighting is mandatory for all facilities that are public or where workers stay. EML Lighting Ltd. provides full service to secure buildings at the most modern level. Our safety and exit luminaires are sold in conventional and addressed systems. The addressed system offers a number of advantages; after installation and commissioning, the system can be maintained costeffectively.

The unique addressing of the lights provides easy supervision, and all necessary information is shown on the control panel's LCD. Our engineers constantly develop our products to meet all the requirements.





The background features several parallel diagonal bands of varying shades of light gray, sloping downwards from left to right. Interspersed among these bands are dotted lines that form various geometric shapes, including a diamond and several elongated, rounded rectangular forms.

# REFERENCES



3 Commercial and Residential buildings - Palm Jumeirah, Dubai  
Emergency Lighths: 1000 | Exit Lights: 250 | Control Panel: 6




Labor Accomodation - Dubai  
Emergency Lighths: 250 | Exit Lights: 100 | Control Panel: 9



Dubai Hills Mall Indoor Coaster  
Emergency Lighths: 400 | Exit Lights: 150 | Control Panel: 4



 **FAST  
CHECK-OUT**



DunaGroup Building - Hungary  
Emergency Lighths: 32 | Exit Lights: 60 | Control Panel: 1



University of Debrecen E-Learning Center - Hungary  
Emergency Lighths: 123 | Exit Lights: 118 | Control Panel: 1



University Tower - Debrecen, Hungary  
Emergency Lighths: 46 | Exit Lights: 104 | Control Panel: 1



Mercure Hotel - Debrecen, Hungary  
Emergency Lighths: 222 | Exit Lights: 251 | Control Panel: 5



Csokonai Fórum - Debrecen, Hungary  
Emergency Lighths: 314 | Exit Lights: 237 | Dynamic Lights: 36 | Control Panel: 5



Residential Building - Nadd Al Hamer, Dubai  
Emergency Lighths: 250 | Exit Lights: 75 | Control Panel: 5



Off Campus Student Housing - Dubai Academic City  
Emergency Lighths: 1183 | Exit Lights: 432 | Control Panel: 133



Serbia Pavilion - Expo2020 Dubai  
Emergency Lighths: 75 | Exit Lights: 25 | Control Panel: 1



Iraq Pavilion - Expo2020 Dubai  
Emergency Lighths: 25 | Exit Lights: 10 | Control Panel: 3



The Opportunity Pavilion - Expo2020 Dubai  
Emergency Lighths: 50 | Exit Lights: 10 | Control Panel: 3



Outpatient Extension Building - Dubai Hospital  
Emergency Lighths: 1500 | Exit Lights: 500 | Control Panel: 100



Hungary Pavilion - Expo2020 Dubai  
 Emergency Lighs: 150 | Exit Lights: 75 | Control Panel: 5



Firdaus Pavilion - Expo2020 Dubai  
 Emergency Lighs: 125 | Exit Lights: 50 | Control Panel: 3



Expo Live Pavilion - Expo2020 Dubai  
 Emergency Lighs: 50 | Exit Lights: 10 | Control Panel: 6



Operations Pavilion - Expo2020 Dubai  
Emergency Lighths: 150 | Exit Lights: 25 | Control Panel: 13



Residential Building - Nadd Al Hamer, Dubai  
Emergency Lighths: 300 | Exit Lights: 125 | Control Panel: 6



Commercial Buildings - Al Mamsha, Sharjah  
Emergency Lighths: 1400 | Exit Lights: 600 | Control Panel: 91



# ADDRESSABLE SYSTEMS

24/7 SAFETY

STATE OF THE ART TECHNOLOGY

FROM MEDIUM TO LARGE BUILDINGS

COST EFFECTIVE PROTECTION OF LARGE BUILDINGS

COMMUNICATION AND POWER SUPPLY ON THE SAME PAIR OF WIRE

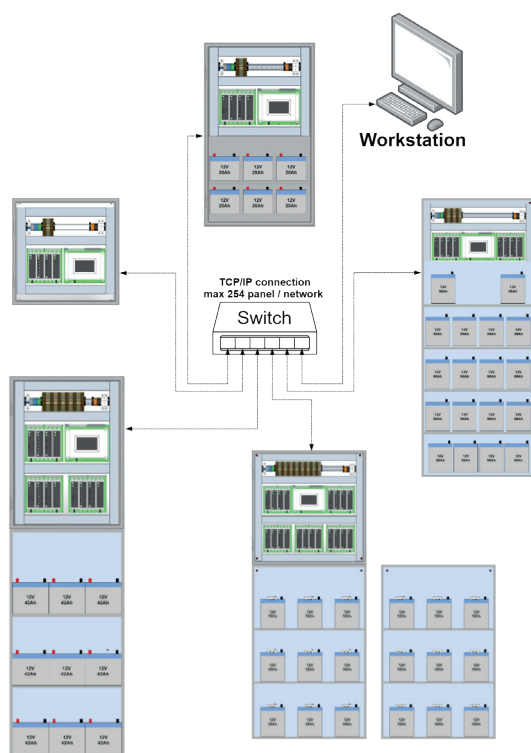




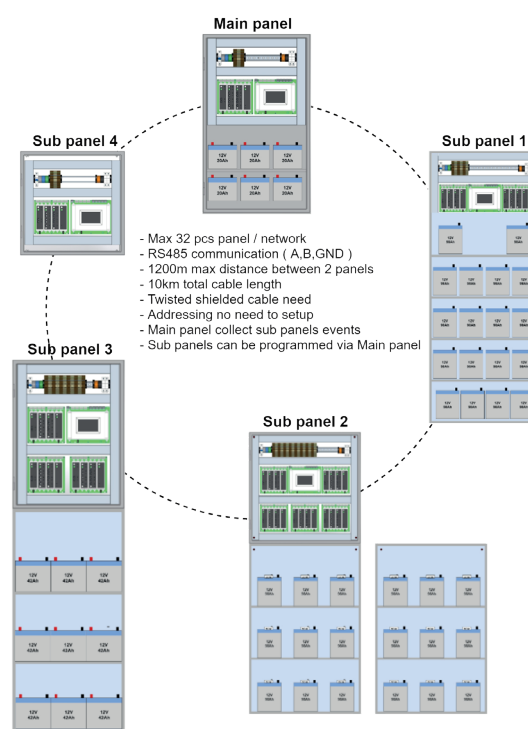
Panel type	CBS-230-72			CBS-230-44			CBS-230-24			CBS-230-12	CBS-230-12/ SUB
Input voltage	120-240 AC										
Output voltage	120-240 AC standby mode, 230V DC emergency mode										
Max input current	8A			8A			8A			4A	4A
Number of batteries	18pcs										
Batteries capacity	*98Ah	78Ah	42Ah	42Ah	28Ah	98Ah	78Ah	42Ah	20Ah	-	
Max load 1hour	50A	40A	20A	20A	15A	50A	40A	20A	11A	-	
Max load 3hour	22A	18A	9A	9A	6A	22A	18A	9A	4A	-	
Number of lights	1440			880			480			240	320
Max module slot	20			12			8			4	4
Number of circuits	72			44			24			12	16
Change-over modules	4x1,5A, 2x3A, 1x6A										
Battery chargers (4A) max. quantity	2	2	1	1	1	2	2	1	1	-	
Monitor modules	3 phase, 10 phase and 10 potential free in modules, max. 10pcs on 24V DATA line communication cable.										
Display	5" LCD										
Software	EML-UNI Commissioning/End-user/Graphics softwares										
Network communication	TCP/IP with 254pcs panel, RS485 with 32pcs panel										
External input/output	4 digital input, 4 relay input										
Protection	IP20										IP54
Dimensions	2000x800x400, *extra cabinet 1200x800x400			2000x600x330			1950x800x430			1000x600x330	600x600x330
Total weight	704kg	562kg	295kg	340kg	250kg	694kg	552kg	404kg	142kg	25kg	

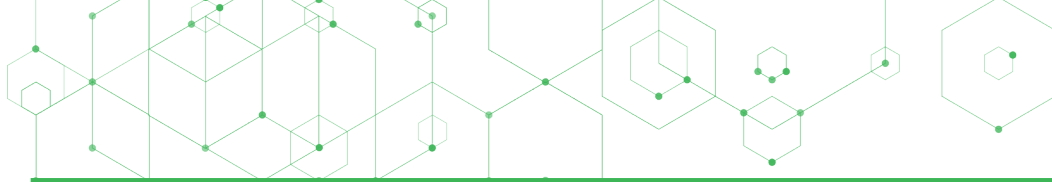
### Network variations

#### TCP/IP network



#### RS485 network





# Change-over modules, battery charger and battery monitor

The **EML-LD-A** change-over modules control the circuits and communicate with the addressable luminaries, 3 different types are available. AC/DC voltage conversion and fuse protection for each circuits. Power cables are used for data transmission as well, no additional data line is required.

**EML-LD-A 1x6A**



AC voltage range: 120V-240V 50/60Hz  
 DC voltage range: 176V-255V  
 Number of circuit: 1  
 Current limit for circuit: 6A/1.4 kW  
 Max. connected number of lights: 20

**EML-LD-A 2X3A**



AC voltage range: 120V-240V 50/60Hz  
 DC voltage range: 176V-255V  
 Number of circuit: 2  
 Current limit for circuit: 3A/700W  
 Max. connected number of lights: 2x20

**EML-LD-A 4X1,5A**



AC voltage range: 120V-240V 50/60Hz  
 DC voltage range: 176V-255V  
 Number of circuit: 4  
 Current limit for circuit: 1,5A/350W  
 Max. connected number of lights: 4x20

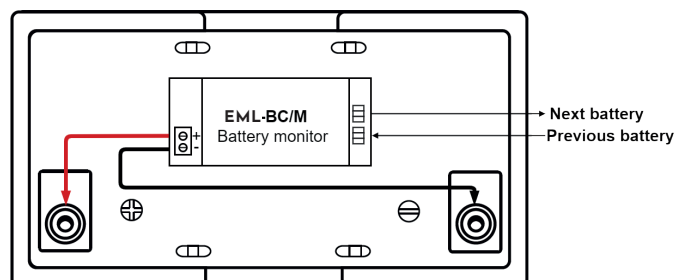
The **EML-BC-4A** is a microprocessor controlled battery charger module with built-in bus communication with battery monitor modules. All modules have operation and fault status signal led.

**EML-BC-4A**



AC voltage range: 120V-240V 50/60Hz  
 Max. DC output voltage: 252V  
 Max. output current: 4A  
 Max. number of modules/panel: 2

The **EML-BC/M** module can monitor the voltage and temperature of each individual battery block. All datas can be read on the master panel's LCD and with software too. If any battery fails, the battery monitor automatic detect and communicate to master panel.



# EML-3 AC IN control module

Snaps onto standard C-rail

24V DATA communication between modules and control panel

Up to 10 modules can be connected to one control panel

Max. communication cable length 1200m (1x2x1.5mm<sup>2</sup>)

Total max. data cable load is 500mA

Unbound communication cable structure (junction point are available)

3 phase-neutral monitoring input

Each input controls up to 3 different lamp groups

Unique identifier for each module

Compatible with all EML AC/DC control panels

Monitored input voltage AC 110-230V

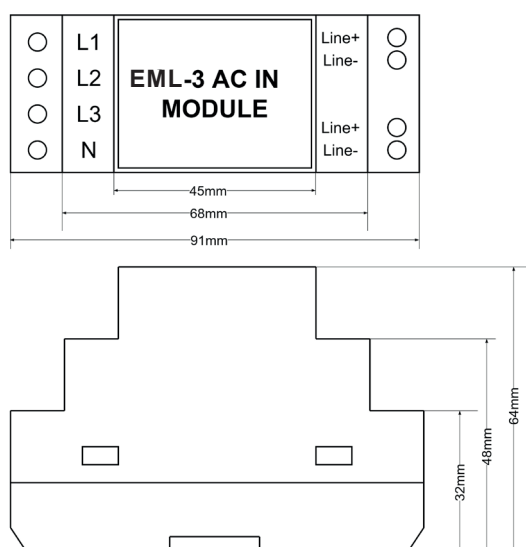
Current consumption: 35mA

Rated power: 0,85W

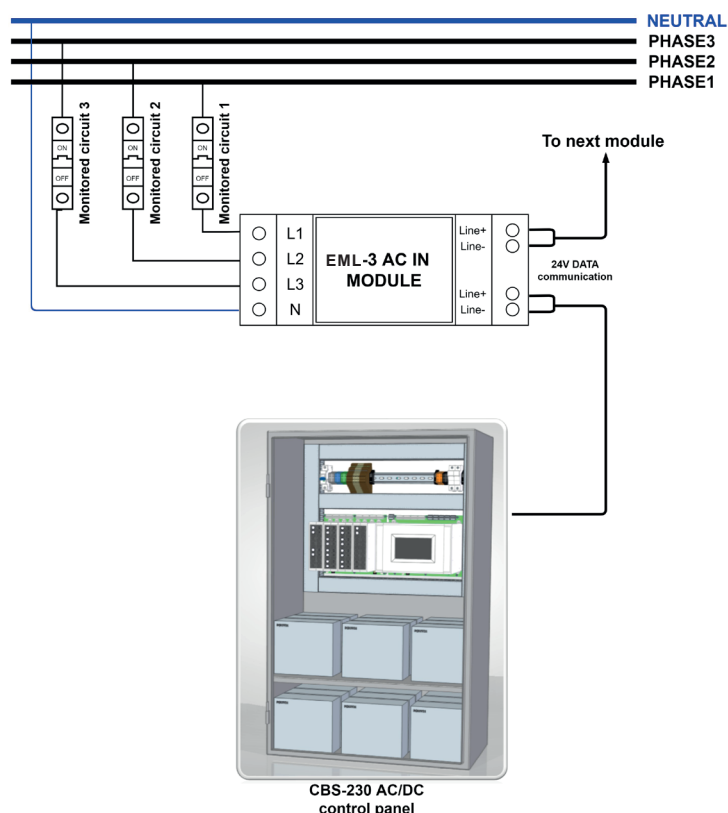


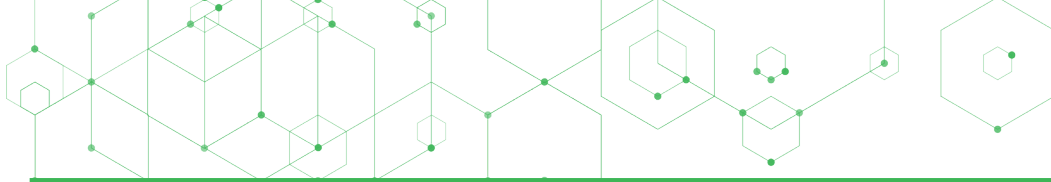
The EML-3AC IN voltage monitor input module is suitable for monitoring 3 normal lighting circuits in building distribution cabinets. In case of monitored phase loss, it's activated and send signal to master panel. Each input change can control 3 different lamp groups and 1 fire group. Power and data communication signal are in the same 2 core wire.

DIMENSIONS



SCHEMATIC DIAGRAM





# EML-10 AC IN control module

**Snaps onto standard C-rail**

**24V DATA communication between modules and control panel**

**Up to 10 modules can be connected to one control panel**

**Max. communication cable length 300m (1x2x1.5mm<sup>2</sup>)**

Total max. data cable load is 500mA

**Unbound communication cable structure** (junction points are available)

**10 individual phase-neutral monitoring input**

**Each input controls up to 3 different lamp groups**

Unique identifier for each module

**Compatible with all EML AC/DC control panels**

**Monitored input voltage AC 110-230V**

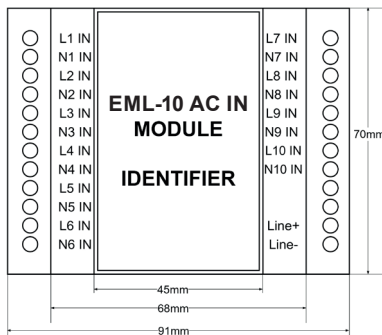
**Current consumption: 35mA**

**Rated power: 0,85W**

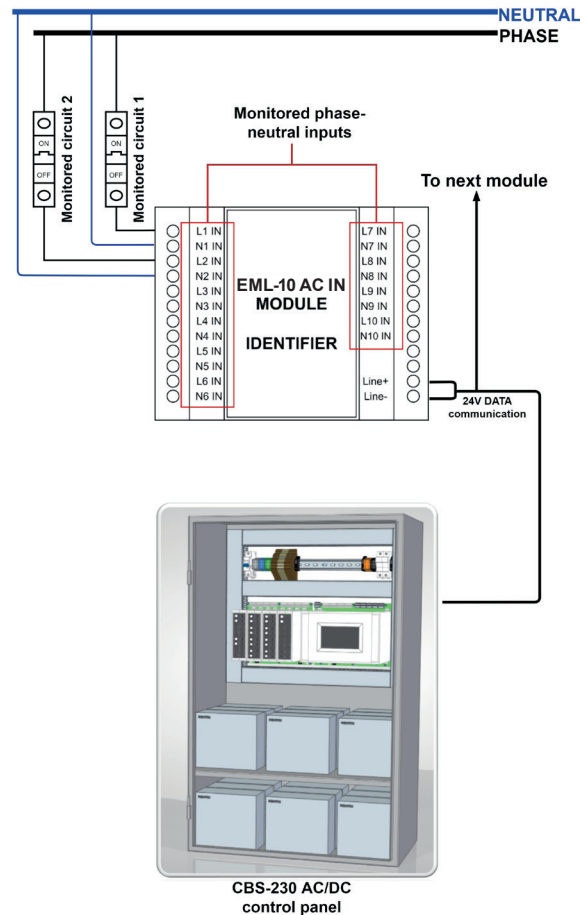


The EML-10 AC IN voltage monitor input module is suitable for monitoring 10 normal lighting circuits in building distribution cabinets. In case of monitored phase loss, it's activated and send signal to master panel. Each input change can control 3 different lamp groups and 1 fire group. Power and data communication signal are in the same 2 core wire.

DIMENSIONS



SCHEMATIC DIAGRAM



# EML-10 POT IN control module

Snaps onto standard C-rail

24V DATA communication between modules and control panel

Up to 10 modules can be connected to one control panel

Max. communication cable length 300m (1x2x1.5mm<sup>2</sup>)

Total max. data cable load is 500mA

Unbound communication cable structure (junction points are available)

10 potential free monitoring input, normally open-closed contact

Each input controls up to 3 different lamp groups

Unique identifier for each module

Compatible with all EML AC/DC control panels

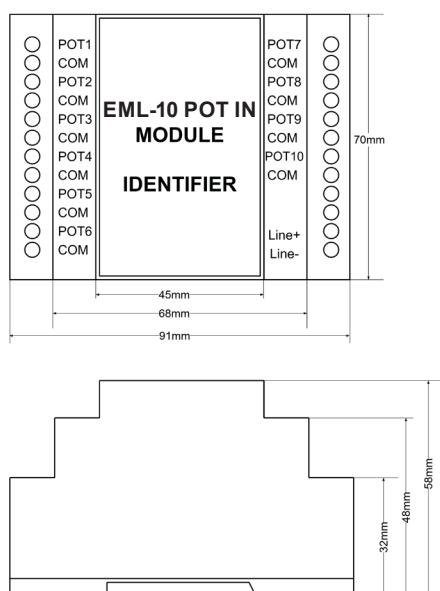
Current consumption: 35mA

Rated power: 0,85W

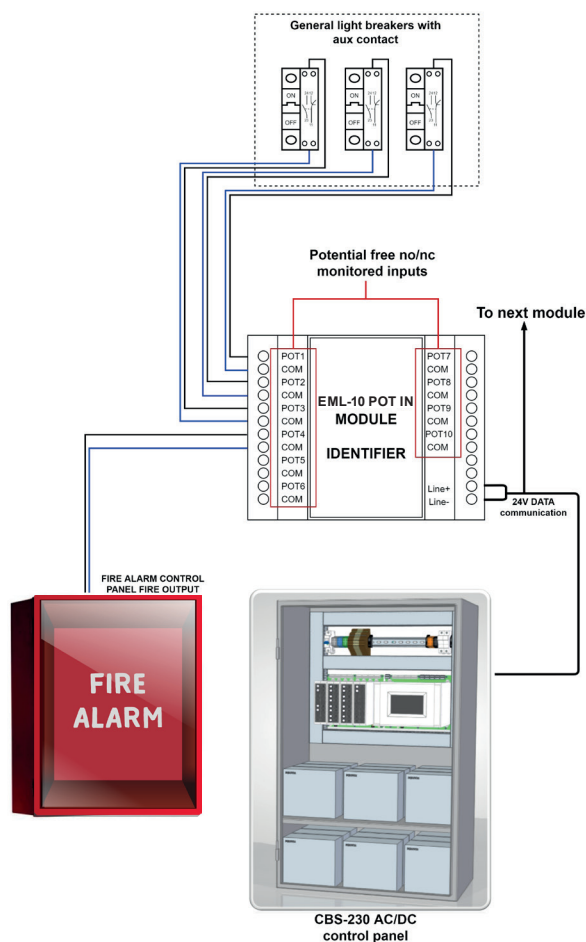


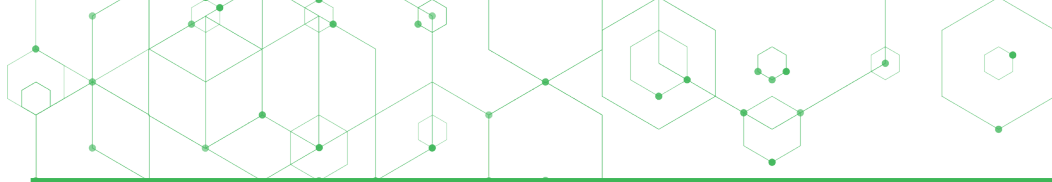
The EML-10 POT IN input module is suitable for monitoring 10 potential free normally open or close contact. In case of monitored input is changed it's activated and send signal to master panel. Each input change can control 3 different lamp groups and 1 fire group. Power and data communication signal are in the same 2 core wire.

DIMENSIONS



SCHEMATIC DIAGRAM





# EML 601-606 control panel

**Type:** Addressable 230V AC central battery control panel

**Light addressing:** Automatic, based on factory unique identification number

**Panel variations:** 601 - 3 line outputs, 602 - 6 line outputs, 603 - 9 line outputs, 604 - 12 line outputs, 605 - 15 line outputs, 606 - 18 line outputs

**Max. 650W load / circuit, max. 20pcs addressable light / circuit**

**Total load:** 601 - 2kW, 602 - 4kW, 603 - 6kW, 604 - 8kW, 605 - 10kW, 606 - 12kW

**Total number of lights:** 601 - 60, 602 - 120, 603 - 180, 604 - 240, 605 - 300, 606 - 360

**EML commissioning, graphic or end-user software**

**Mounting:** Sidewall

**Warranty:** 2-years repair warranty

**Housing color and material:** Dark grey metal

**7" touch screen for checking system information of the last 2000 events**

**TCP / IP network communication** between 254 pcs panels

**RS485 ring network communication** between 32 pcs panel

**RS232 communication** with EML UPS

**32 pcs phase monitor modules** for monitoring lighting distributors

**4 pcs configurable fault relays**

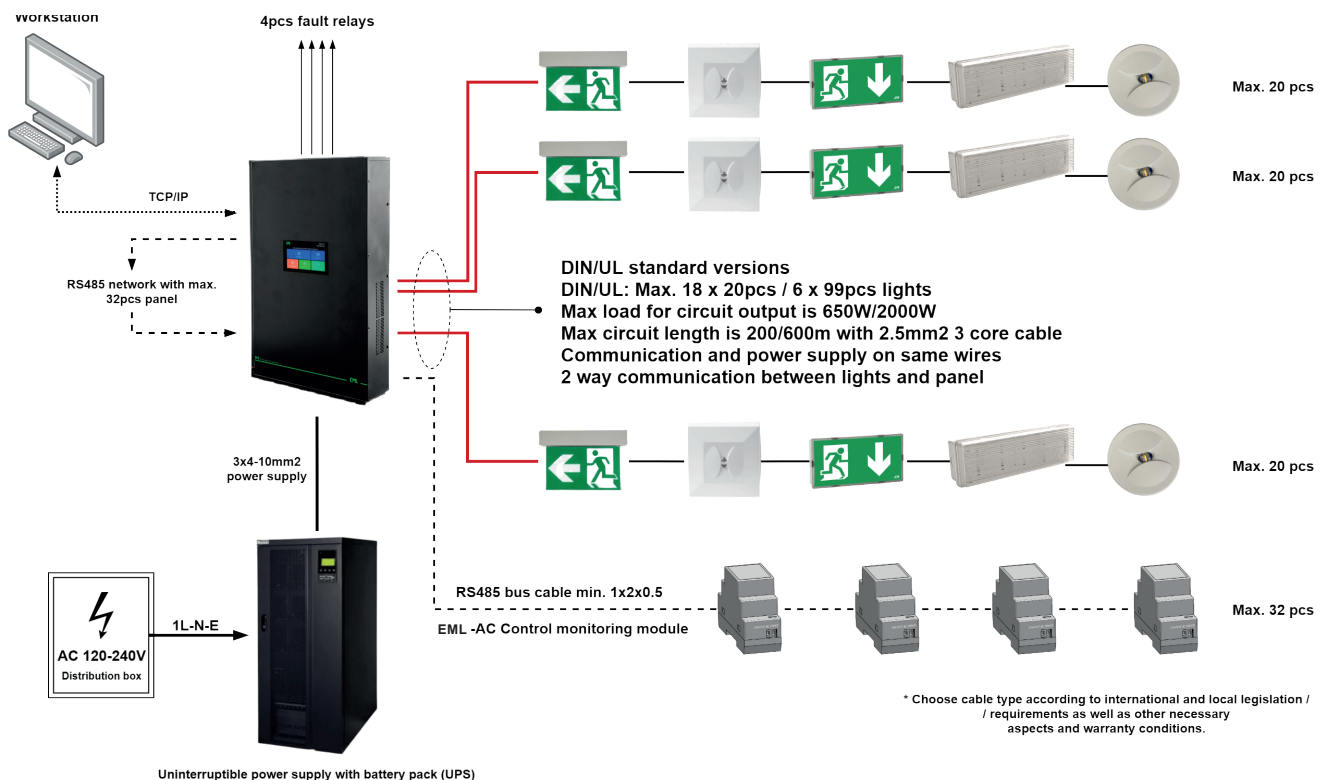
**Dimensions:** 650mm x 403mm x 110mm

**Cable connection:** Max. 10mm<sup>2</sup> for main input, max. 2.5mm<sup>2</sup> for line outputs

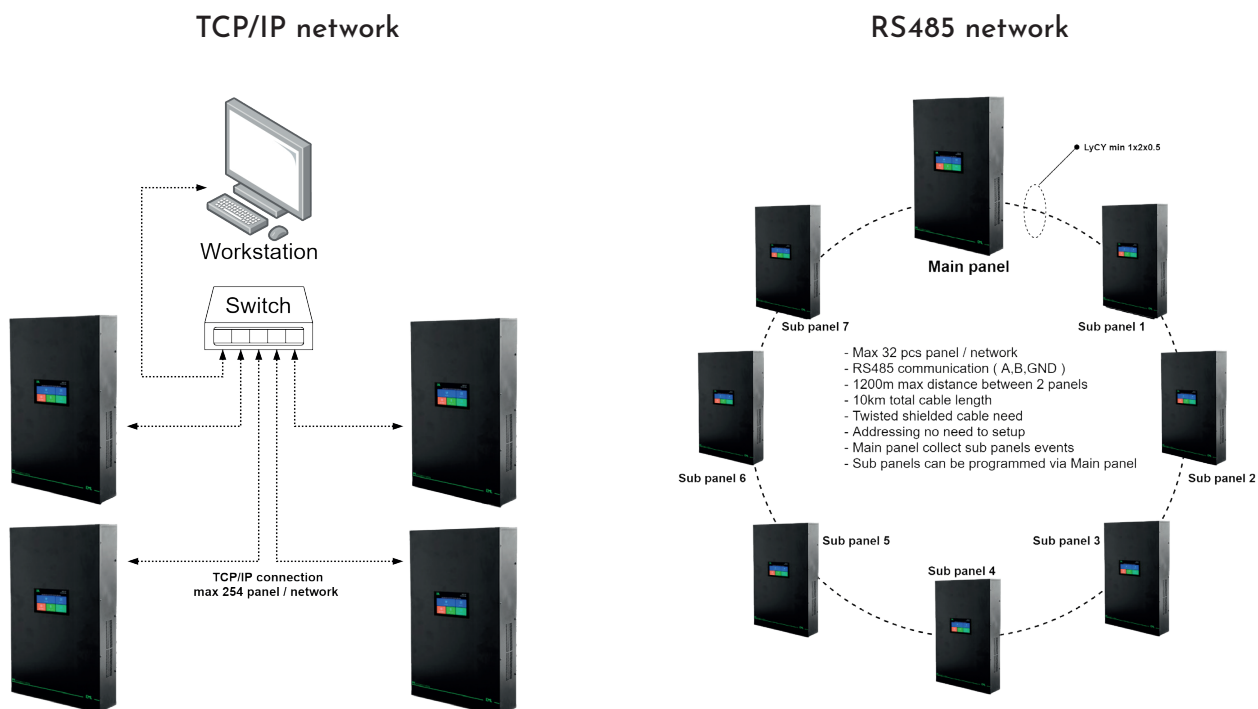
**Mains voltage:** AC 120-240V 50/60Hz

**Max. input current:** 601 - 6A, 602 - 12A, 603 - 18A, 604 - 24A, 605 - 30A, 606 - 36A

**Constant nominal ambient temperature range:** T<sub>a</sub> 25°C



## Network variations



Panel type	EML-601	EML-602	EML-603	EML-604	EML-605	EML-606
Input voltage	120-240 AC					
Output voltage	120-240 AC					
Max input current	6A	12A	18A	24A	30A	36A
Number of lights	60	120	180	240	300	360
Number of circuits	3	6	9	12	15	18
Max. circuit load	3A					
Monitor modules	Max. 32pcs EML-AC control modules on RS485 bus cable					
Display	7" LCD					
Software	EML-UNI Commissioning/End-user/Graphics softwares					
Network communication	TCP/IP with 254pcs panel, RS485 with 32pcs panel					
External input/output	4 digital input, 4 relay input					
Protection	IP20					
Dimensions	650x403x110					



# EML-AC 230 control module

Snaps onto standard C-rail

RS485 communication between modules and control panel

Up to 32 modules can be connected to one control panel

Max. communication cable length 1200m (1x2x0.5mm<sup>2</sup> twisted pair)

Selectable 1 phase-neutral or potential-free NO-NC input monitoring

Controls up to 3 different lamp groups

Unique identifier for each module

Compatible with EML 100-400 , EML100 RF/MB, EML601-606 and

EML24V CB control panels

Input voltage AC 110-230V

Current consumption: 11mA

Rated power: 2.5VA

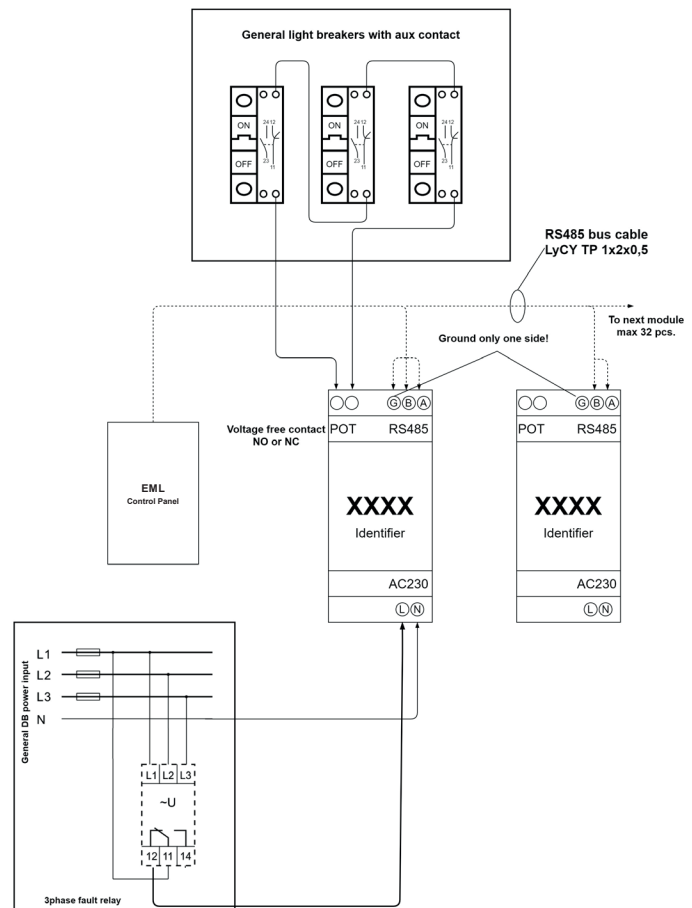
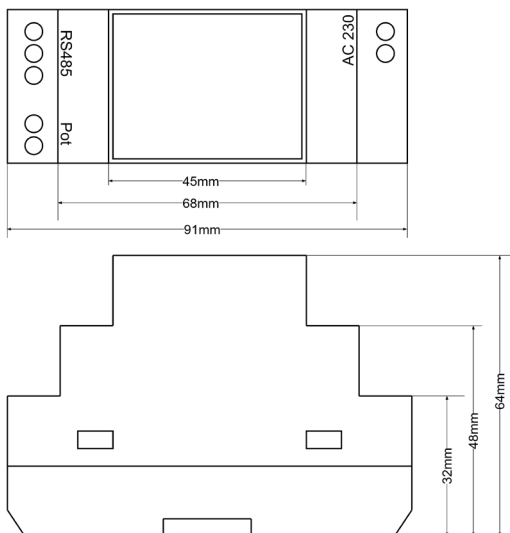
Battery: 6V 80mAh



The EML-AC230 voltage monitor input module is suitable for monitoring normal lighting circuits in building distribution cabinets. In case of monitored phase loss or change of the potential-free input it's activated and send signal to master panel. It can control 3 different lamp groups and 1 fire group. In the event of a power failure, it will operate on its internal battery until it transmits signals.

DIMENSIONS

SCHEMATIC DIAGRAM



# EML-AM/CB Address module

**Unit:** Addressable, central battery

**Addressing:** Automatic, based on factory unique identification number

**Mounting:** With bolts into light cabinet or in junction box

**Connected light load range:** 3W-100W

**Monitored input:** AC 120-240V 1 phase (disable option in the software)

**General light switch input:** AC 120-240V 1 phase

**Warranty:** 2 years repair warranty

**Housing:** Polycarbonate

**Size:** Outer diameter x Inner diameter x Height: 163mm x 35mm x 47mm

**Cabling:** Max. 2.5mm<sup>2</sup> twisted or solid wire

**Operation:** Standby, maintained, emergency

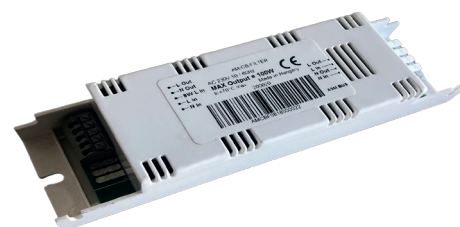
**Switching time:** <500ms

**Mains supply:** AC/DC 120-240V 50-60Hz

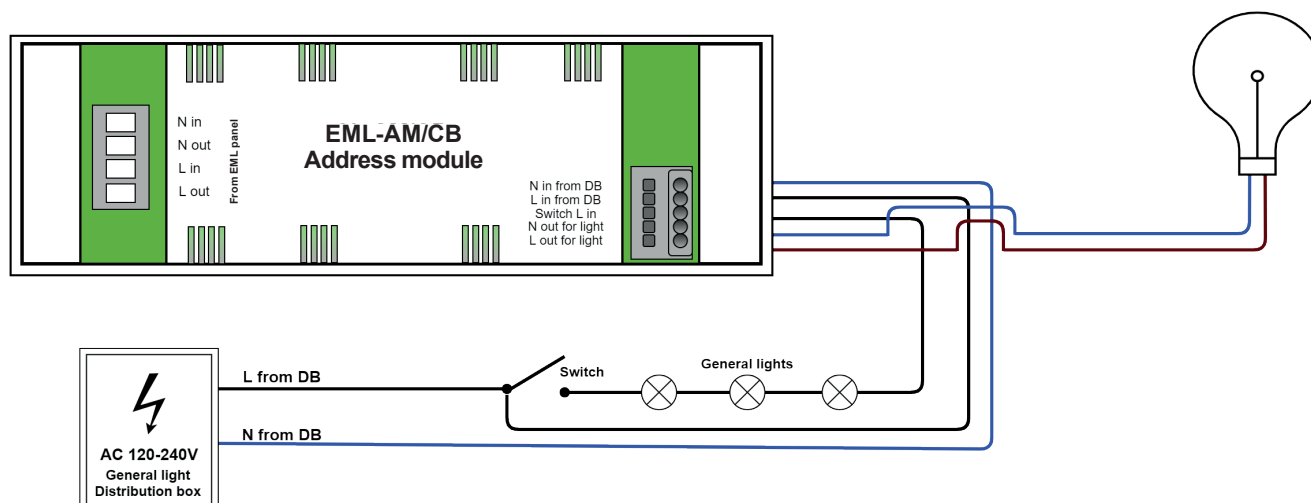
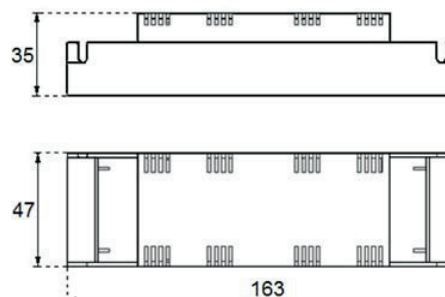
**Input current:** 11 mA

**Rated power:** 3 VA

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



The module automatically switches the lamp to emergency mode when the monitored phase is lost. This supervised input can be disabled in the software. If the switched phase is detected on the "Switch L" input, the lamp is switched to normal operation.





# CPS-Central Power Supply

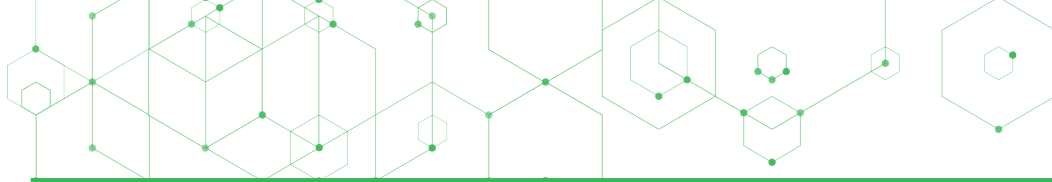
In the event of power failure or power fluctuation, the central power supply ensures the protection and operation of electronic devices. The CPS charges the battery and switches the battery backup, when the mains power is depleted. There are several types available to suit your needs. CPS complies to EN50171.



Power: 1/3/5/8/10 kW

Running time: 1-3 hours





# EML Self contained Monitored Solution

**Type:** Addressable control panel for self-contained battery lights

**Variations:** EML-100, EML-200, EML-300, EML-400

**Light addressing:** Automatic, based on factory unique identification number

**Communication:** 2 way between lights and panel with 2 core cable

**Output:**  
 EML100 - 1 output with 99 devices,  
 EML200 - 2 outputs with 198 devices,  
 EML300 - 3 outputs with 297 devices,  
 EML400 - 4 outputs with 396 devices.

**EML commissioning, graphic or end-user software**

**Mounting:** Sidewall

**Warranty:** 2-years repair warranty

**Housing color and material:** White plastic, grey-white metal

**5" touch screen** for checking system information of the last 2000 events

**TCP / IP Network communication between 254 pcs panels**

**32 pcs phase monitor modules for monitoring lighting distributors**

**4 pcs configurable fault relays**

**Dimensions:** 331mm x 241mm x 113mm

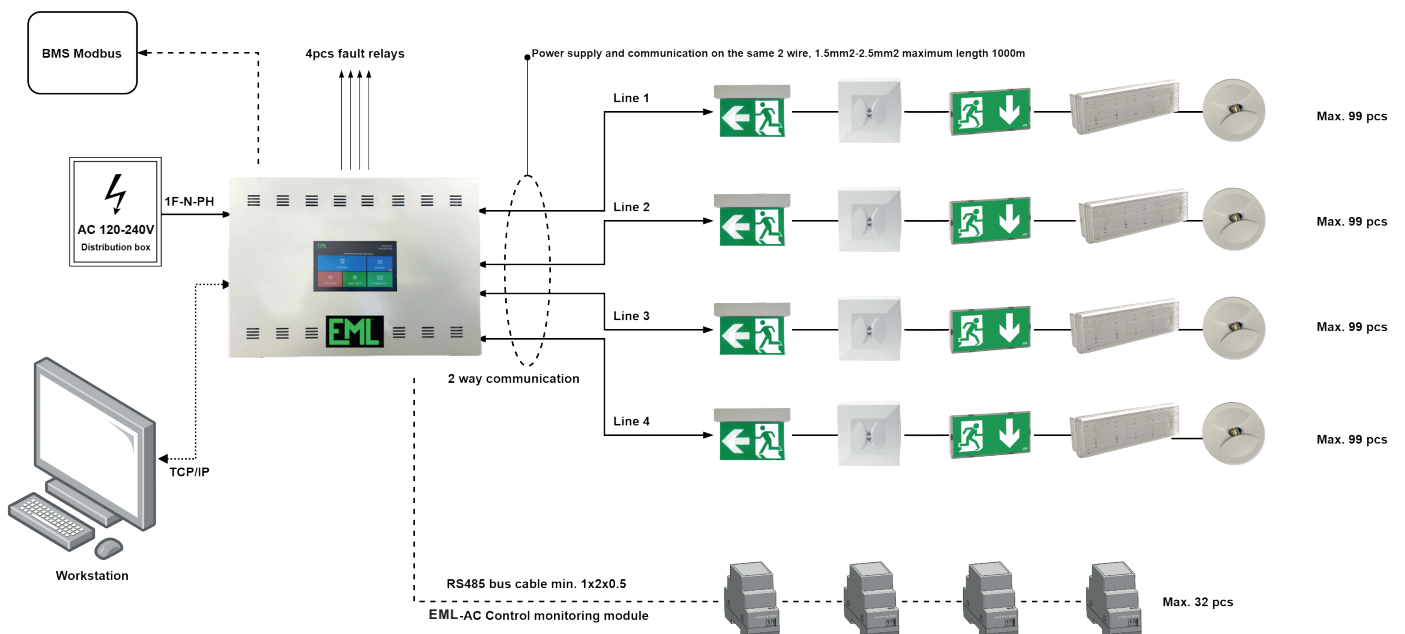
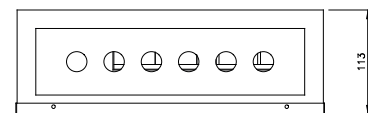
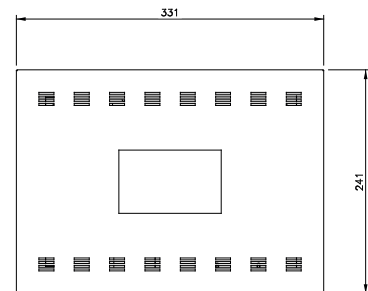
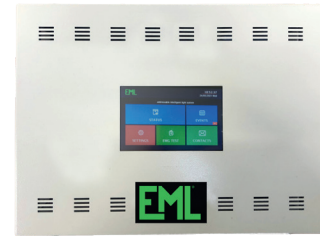
**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

**Mains voltage:** AC 120-240V 50/60Hz

**Max. input current:** 12A

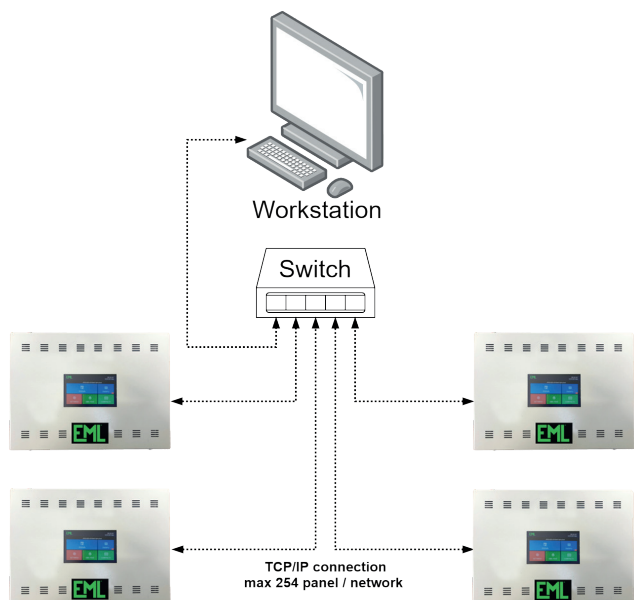
**Output voltage:** AC 120-240V 50/60Hz with communication signal

**Constant nominal ambient temperature range:** T<sub>a</sub> 25°C

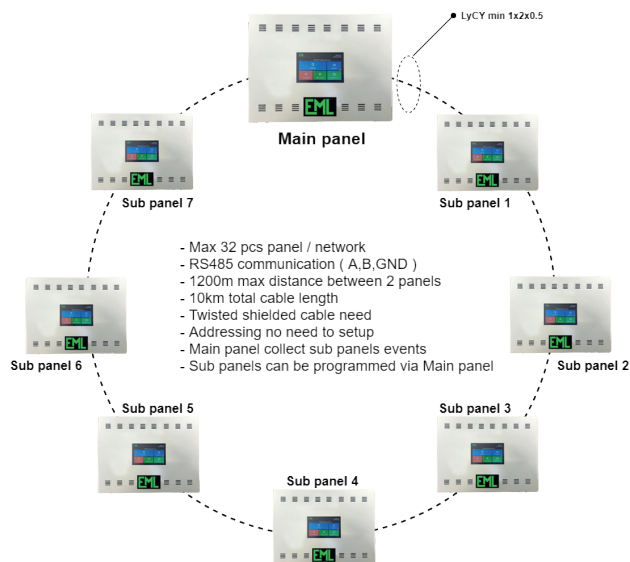


## Network variations

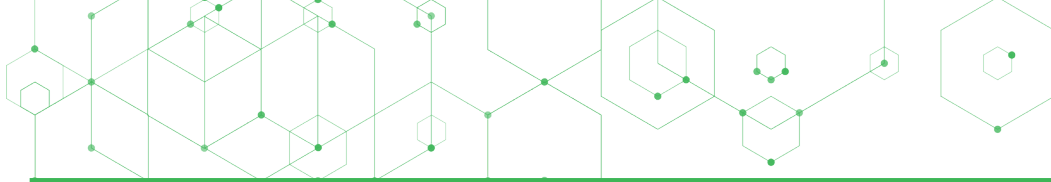
### TCP/IP network



### RS485 network

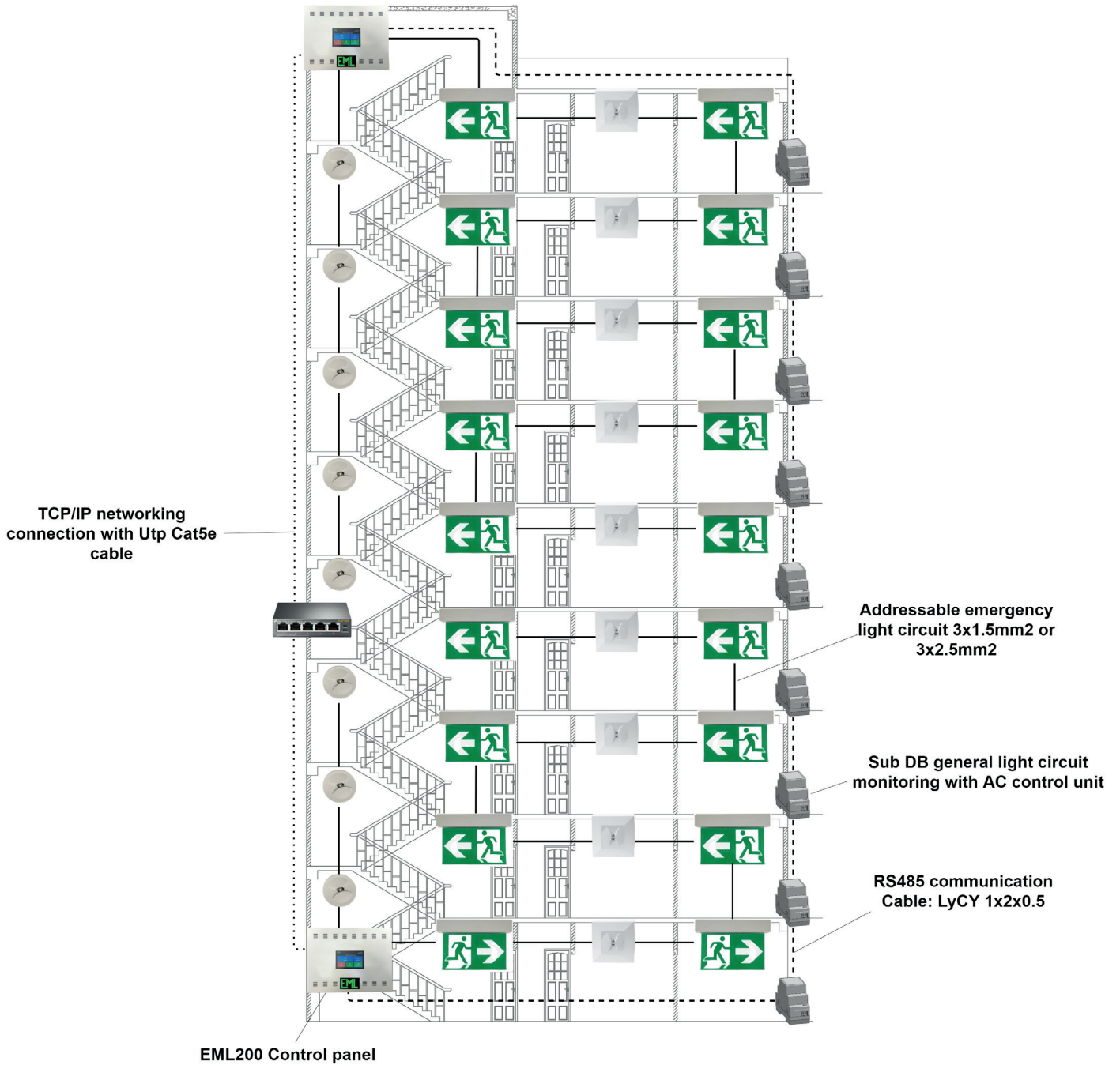


Panel type	EML-100	EML-200	EML-300	EML-400
Input voltage	120-240 AC			
Output voltage	120-240 AC			
Max input current	12A			
Number of lights	99	198	297	396
Number of circuits	1	2	3	4
Max. circuit load	3A			
Monitor modules	Max. 32pcs EML-AC control modules on RS485 bus cable			
Display	5" LCD			
Software	EML-UNI Commissioning/End-user/Graphics softwares			
Network communication	TCP/IP with 254pcs panel, RS485 with 32pcs panel			
External input/output	4 digital input, 4 relay input			
Protection	IP20			
Dimensions	331x241x113			



### Network system example, multiple group control

In case of short circuit the EML-AC control panel sends a signal to the Control Panel, and the Control Panel transmits the signal via TCP/IP network to the other control panels.



# EML-AM/MB Address module

**Unit:** Address module for 3rd party light with self contained battery

**Addressing:** Automatic, based on factory unique identification number

**Mounting:** With bolts into light cabinet or in junction box

**Connected light battery charge measurement:** Max. 5A

**Monitored input:** AC 120-240V 1 phase (must be connected)

**General light switch input:** AC 120-240V 1 phase

**Warranty:** 2 years repair warranty

**Housing:** Polycarbonate

**Size:** Outer diameter x Inner diameter x Height: 163mm x 35mm x 47mm

**Cabling:** Max. 2.5mm<sup>2</sup> twisted or solid wire

**Operation:** Non-maintained emergency

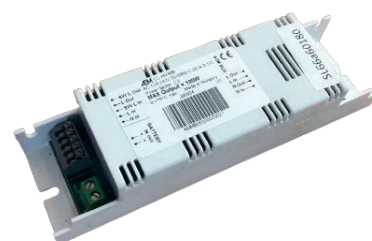
**Switching time:** <500ms

**Mains supply:** AC 120-240V 50-60Hz

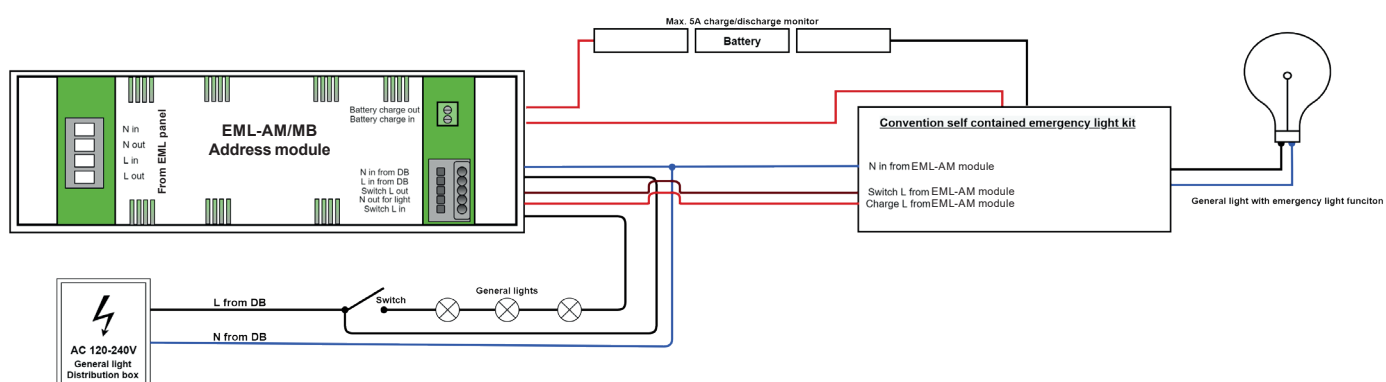
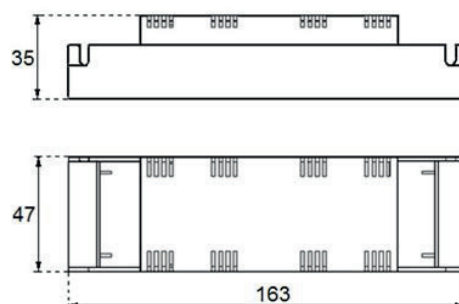
**Input current:** 11 mA

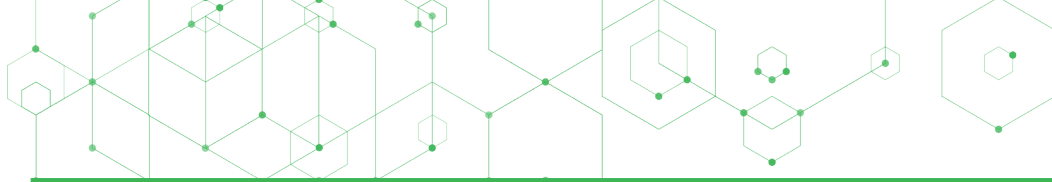
**Rated power:** 3 VA

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



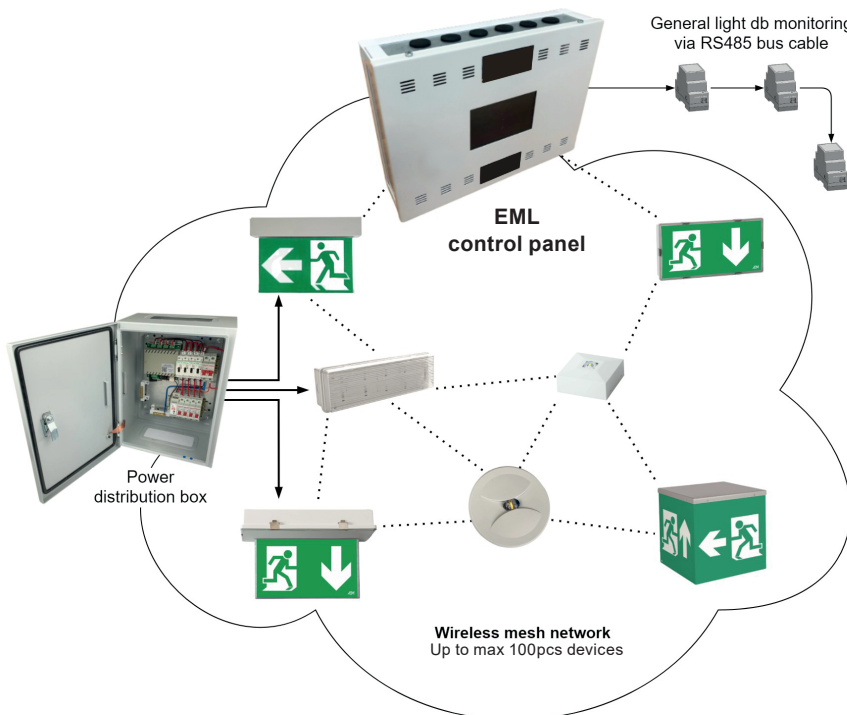
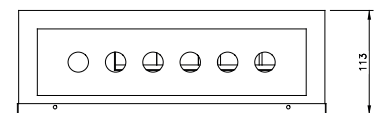
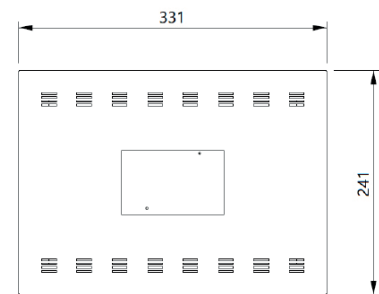
The module automatically switches the lamp to emergency mode when the monitored phase is lost. This supervised input must be connected, because the light battery charger is supply from there. In order to observe the battery charge and the status of the lamp, the positive wire of the battery must be passed through the module. The 'switch L' cable can be connected directly into the general light.





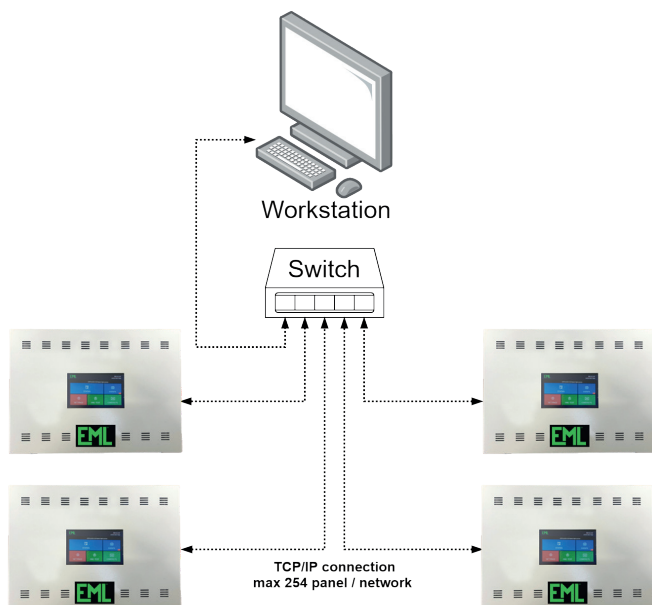
# EML-100/RF Wireless control panel

- Type:** Addressable control panel for self-contained battery lights
- Light addressing:** Automatic, based on factory unique identification number
- Communication:** Wireless mesh network data transmit on 868MHz
- Wireless coverage:** Max. 300m in open space
- Max.number of devices:** 100pcs wireless self-contained battery devices
- EML commissioning, graphic or end-user software**
- Mounting:** Sidewall
- Warranty:** 2-years repair warranty
- Housing color and material:** White plastic, grey-white metal
- 5" touch screen** for checking system information with last 2000 events
- TCP / IP Network communication between 254 pcs panels**
- 32 pcs phase monitor modules for monitoring lighting distributors**
- 4 pcs configurable fault relays**
- Dimensions:** 331mm x 241mm x 113mm
- Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire
- Mains voltage:** AC 120-240V 50/60Hz
- Max. input current:** 0,2A
- Constant nominal ambient temperature range:** Ta 25°C

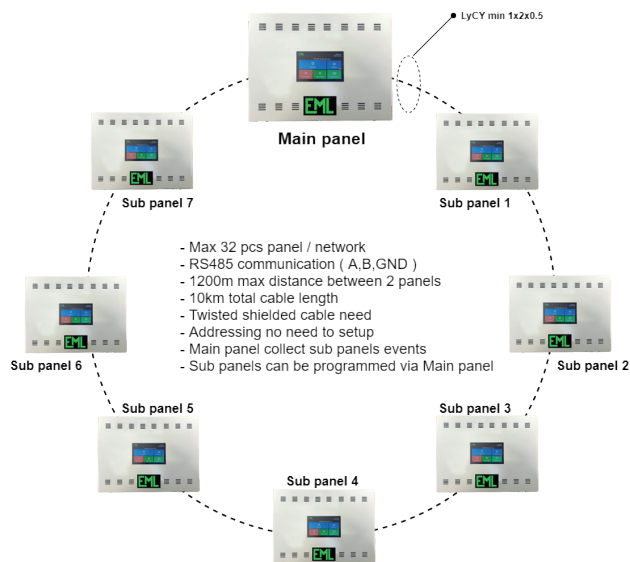


## Network variations

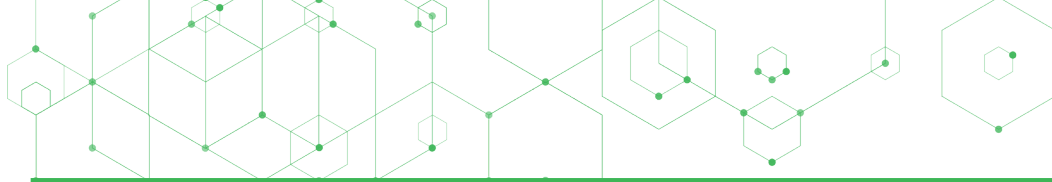
### TCP/IP network



### RS485 network



Panel type	EML-100RF/MB
Input voltage	120-240 AC
Max input current	0,2A
Number of lights	100pcs wireless lights
Number of circuits	1
Wireless coverage	300m (open space)
Monitor modules	Max. 32pcs EML-AC control modules on RS485 bus cable
Display	5" LCD
Software	EML-UNI Commissioning/End-user/Graphics softwares
Network communication	TCP/IP with 254pcs panel, RS485 with 32pcs panel
External input/output	4 digital input, 4 relay input
Protection	IP20
Dimensions	331x241x113



# EML-24V CB control panel

**Type:** Addressable 24V central battery control panel

**Variations:** 1 hour backup, 3 hour backup

**Light addressing:** Automatic, based on factory unique identification number

**Output:** 6 line output with 3A load and 20pcs addressable devices

**Total load:** 18A, 10A for maintained lights

**Battery:** 2 or 4 pcs 45Ah

**EML commissioning, graphic or end-user software**

**Mounting:** Sidewall

**Warranty:** 2-years repair warranty

**Housing color and material:** White plastic, grey-white metal

**5" touch screen** for checking system information of the last 2000 events TCP / IP

**Network communication between 254 pcs panels**

**RS485 ring network communication between 32 pcs panel**

**32 pcs phase monitor modules for monitoring lighting distributors**

**4 pcs configurable fault relays**

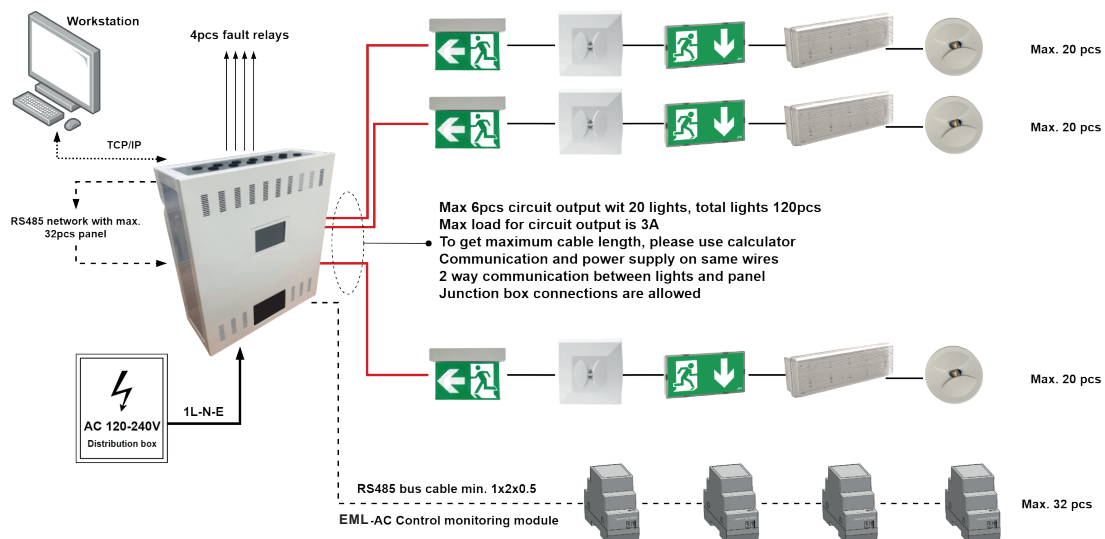
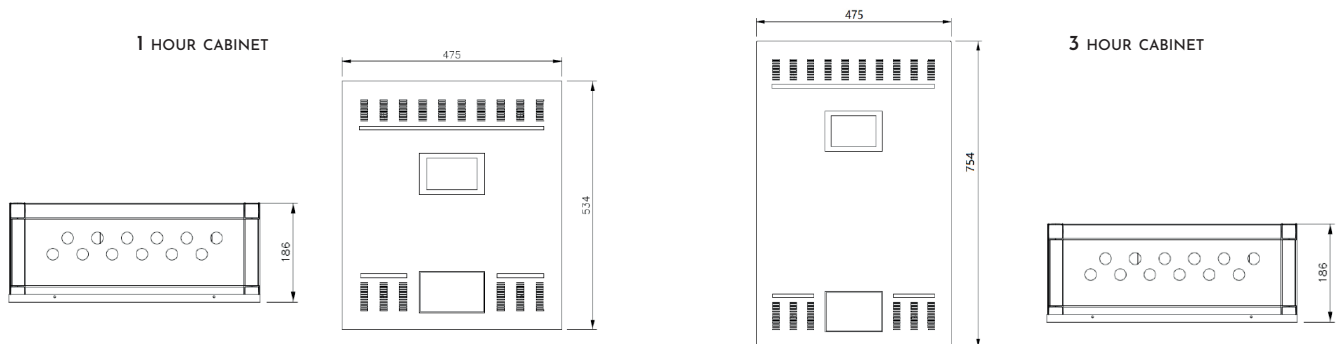
**Dimensions:** 534x475x186, 754x475x186

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

**Mains voltage:** AC 120-240V 50/60Hz

**Max. input current:** 2A

**Constant nominal ambient temperature range:** Ta 25°C

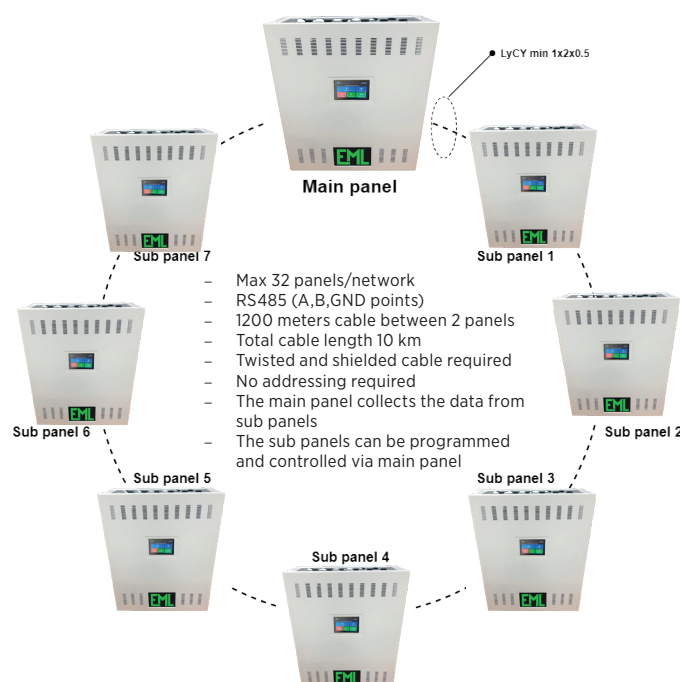
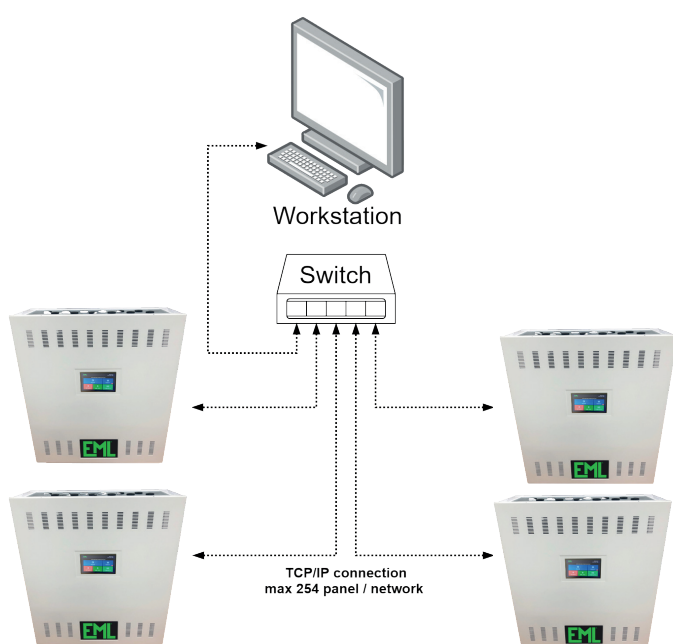


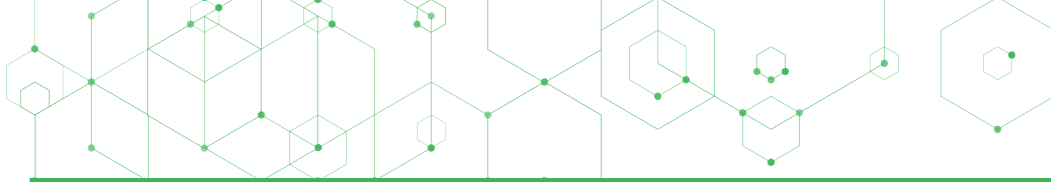
\* Choose cable type according to international and local legislation / requirements as well as other necessary aspects and warranty conditions.

Panel type	EML-24V CBS 1 hour	EML-24V CBS 3 hours
Input voltage	120-240 AC	
Output voltage	24-32V DC	
Max input current	2A	
Batteries capacity	45Ah	
Number of batteries	2	4
Number of lights	120	
Number of circuits	6	
Max. circuit load	3A	
Max output load	18A	
Monitor modules	Max. 32pcs EML-AC control modules on RS485 bus cable	
Display	5" LCD	
Software	EML-UNI Commissioning/End-user/Graphics softwares	
Network communication	TCP/IP with 254pcs panel, RS485 with 32pcs panel	
External input/output	4 digital input, 4 relay input	
Protection	IP20	
Dimensions	534x475x186	754x475x186

- With controlled battery charger for 2 or 4 battery
- Individually addressed
- It embodies the benefits of the central battery system
- Monitors all individual components of the system
- Gathers all collected information to a single location
- Fast and cost-effective maintenance
- The system records data
- Max. 120 devices/panel (20 devices/line)

- System receives power and communicates with the main unit through one cable
- 32 panels/system
- Battery replacement quick and simple
- High level of the safety
- Offer long-term cost advantages
- High quality
- Easy to install





# EML-24V CON CB control panel

**Type:** Conventional 24V central battery control panel

Standalone panel, easy setup without programming software

**Variations:** 1 hour backup, 3 hour backup

**Circuit programming:** Maintained, non-maintained, timer staircase modes

**Output:** 6 line output with 3A load

**Total load:** 18A, 10A for maintained lights

**Battery:** 2 or 4 pcs 45Ah

Built-in webserver and email sending function

**Mounting:** Sidewall

**Warranty:** 2-years repair warranty

**Housing color and material:** White plastic, grey-white metal

**5" touch screen for checking system** information of the last 2000 events

**TCP / IP network communication**

3 inputs for sub-db monitoring, 1 input to active staircase timer function

**4 pcs pre-configured fault relays**

**Dimensions:** 534x475x186, 754x475x186

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

**Mains voltage:** AC 120-240V 50/60Hz

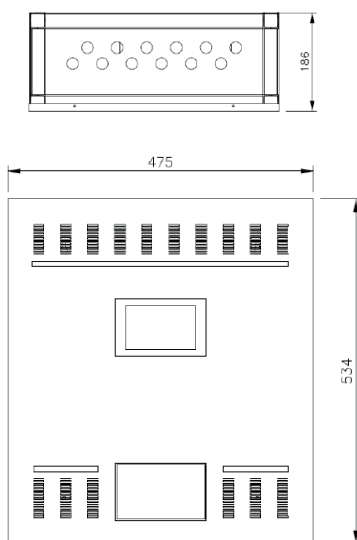
**Max. input current:** 2A

**Output voltage:** 24-32V

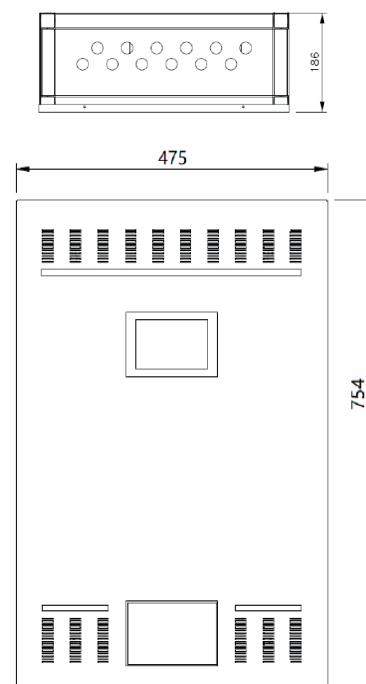
**Constant nominal ambient temperature range:** Ta 25°C

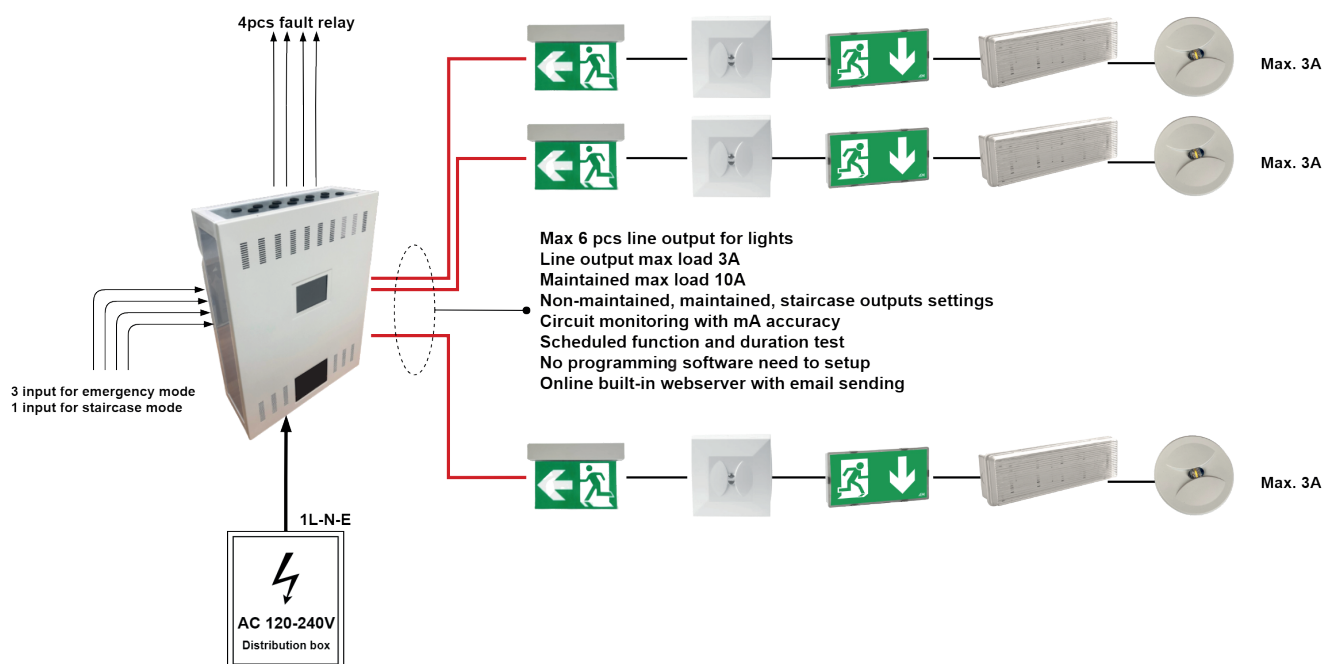


1 HOUR CABINET

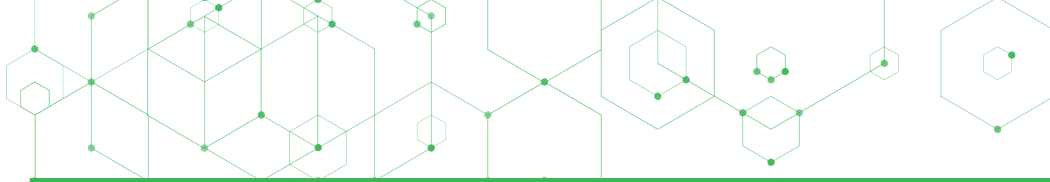


3 HOUR CABINET





Panel type	EML-24V CON CBS 1 hour	EML-24V CON CBS 3 hours
Input voltage	120-240 AC	
Output voltage	24-32V DC	
Max input current	2A	
Batteries capacity	45Ah	
Number of batteries	2	4
Number of lights	120	
Number of circuits	6	
Circuit functions	Non-maintained, maintained, timer staircase	
Max. circuit load	3A	
Max output load	18A	
Monitor modules	Max. 32pcs EML-AC control modules on RS485 bus cable	
Display	5" LCD	
Software	Webserver with e-mail sending	
Network communication	TCP/IP	
External input/output	3 inputs for sub-db monitoring, 1 input for staircase, 4 programmed fault relays	
Protection	IP20	
Dimensions	534x475x186	754x475x186

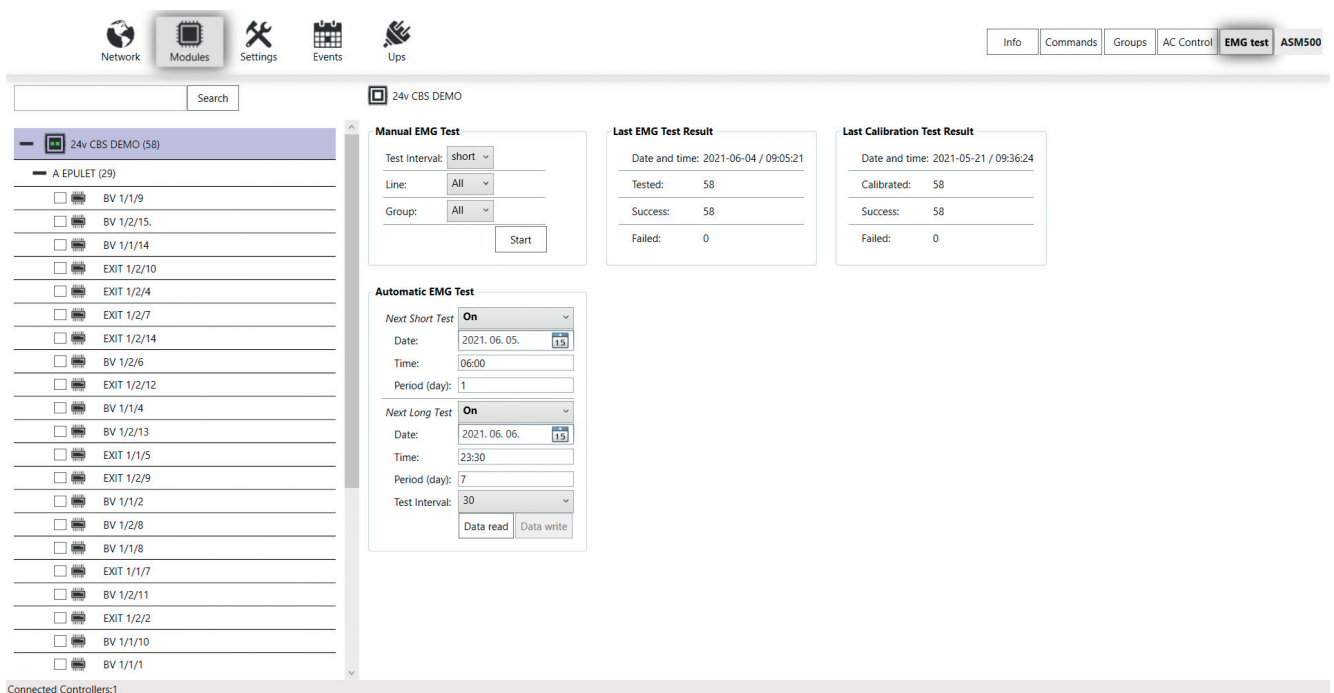


# Client Software

- > installer
- > client
- > graphic display

EML-UNI software versions:

TCP/IP network connection, compatible with all our addressable master panels on Windows. Annually renewable license for installer and graphical display version. Easy to use, logical structure, fast operation. Filterable, printable events list, that is exportable to MS pdf format and you can send it in e-mail. Free client version for basic function.



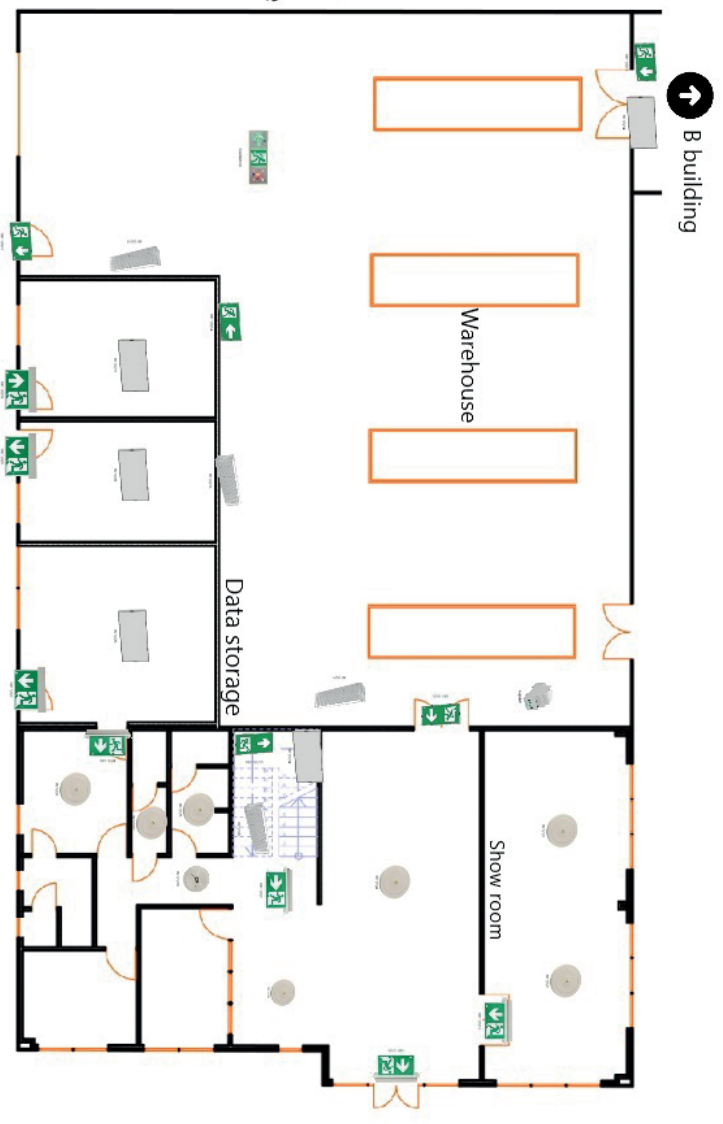
Operating system	Windows 7/8/10
Hardware requirements	Average configuration with ethernet network adapter
Features	Complete configuration of the addressable systems
	Real-time query for device status
	Event download and export
	Tests set up and run
	Importing BMP, JPEG, PNG file format to graphical viewer
	USB hardware key

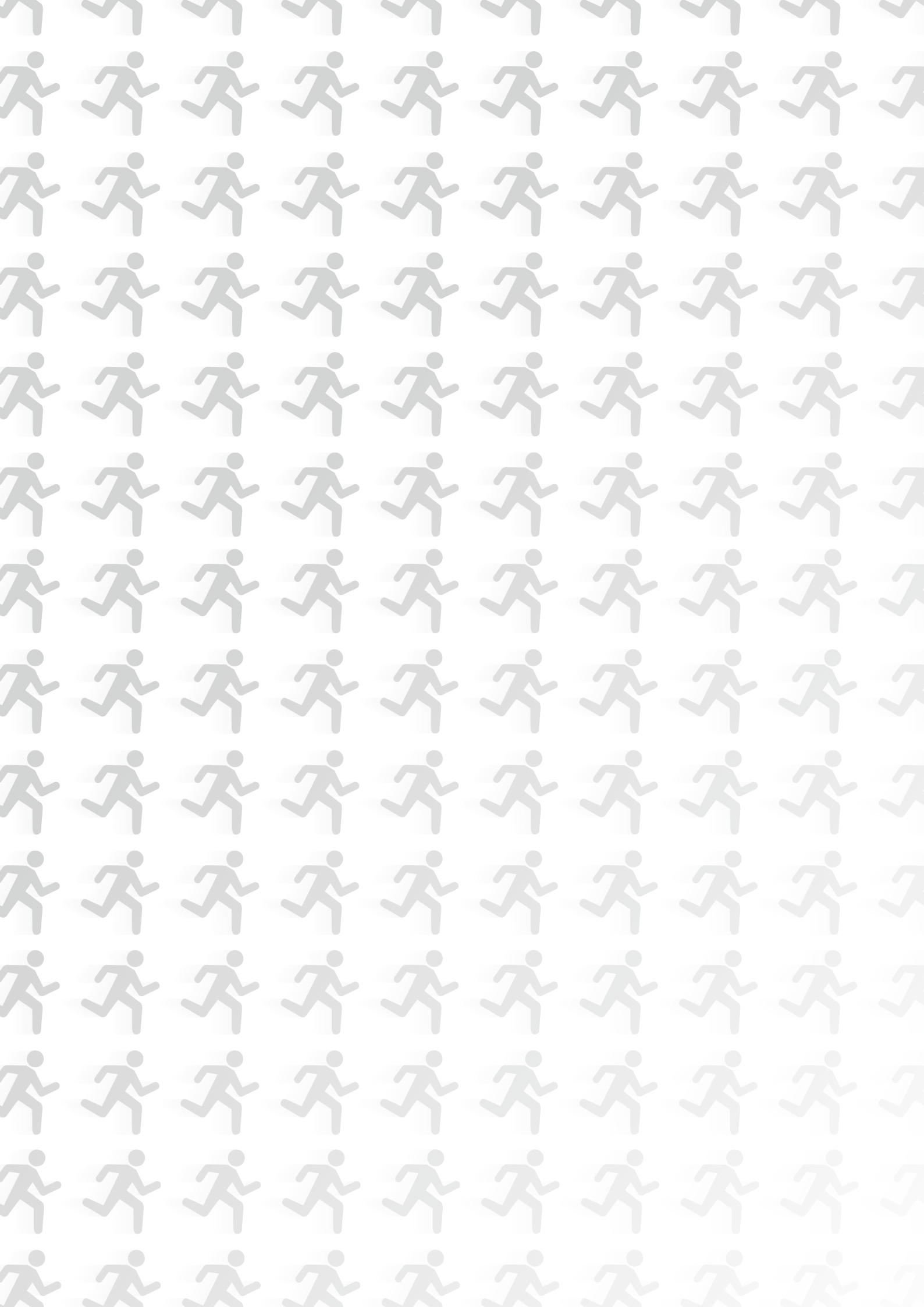
# Client Software

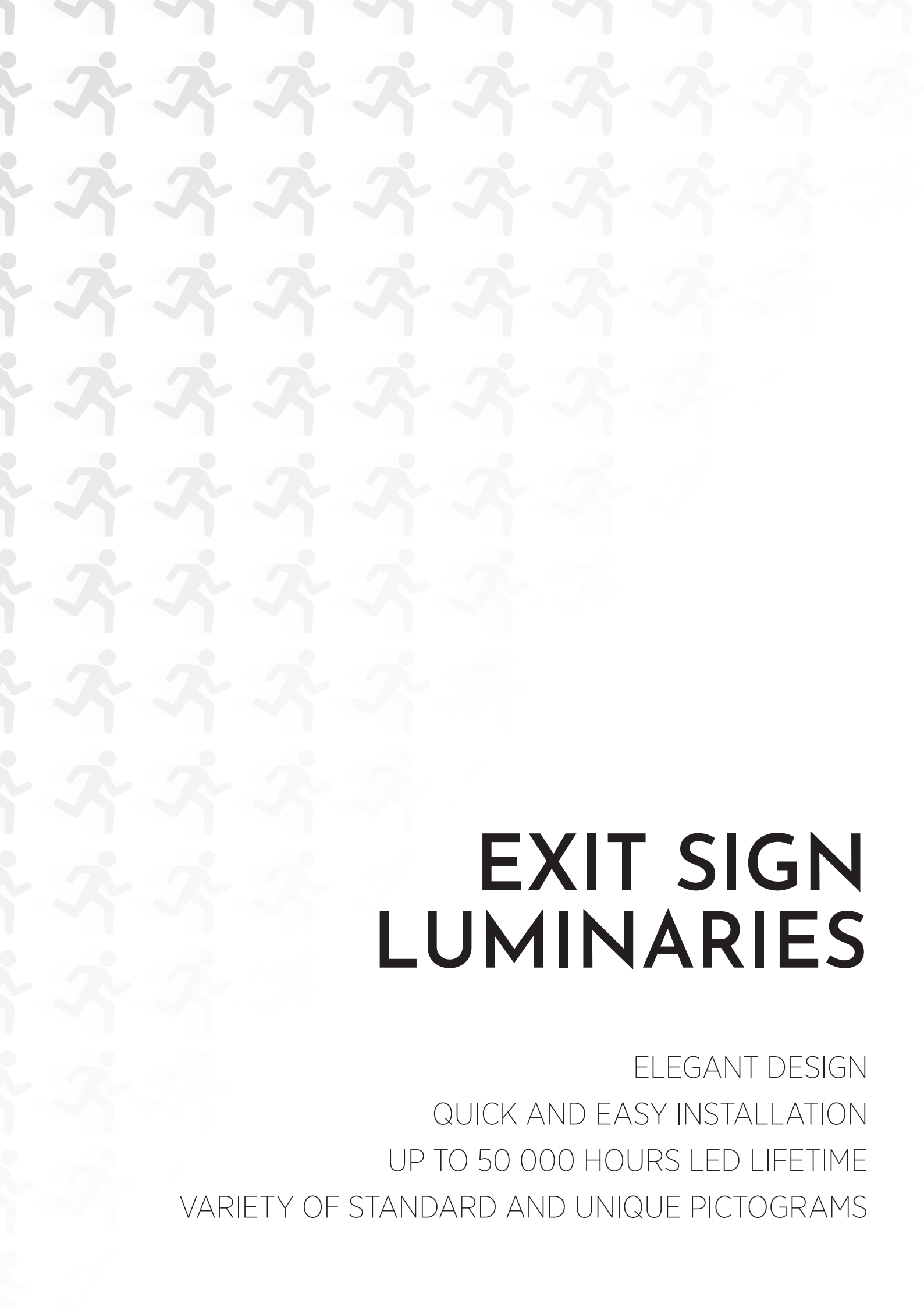
- Network
- Modules
- Settings
- Events
- Ups
- Graphics Designer

File	Edit	Options
ASM SECURITY		
C building		
Warehouse		
Production area		
Office		
B building		
A building		
03 - Show room		
02 - Data storage		

Back to main page







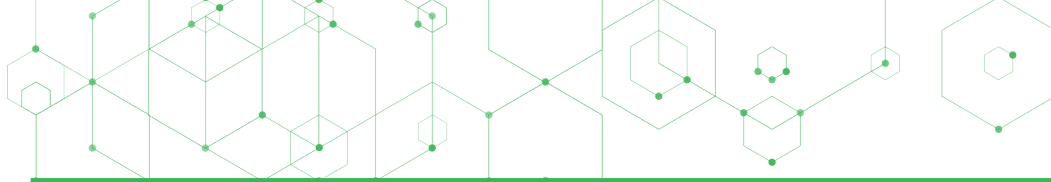
# EXIT SIGN LUMINARIES

ELEGANT DESIGN

QUICK AND EASY INSTALLATION

UP TO 50 000 HOURS LED LIFETIME

VARIETY OF STANDARD AND UNIQUE PICTOGRAMS



# EML-014

**Type:** Exit sign luminaire

**Mounting:** Ceiling, suspended from ceiling

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

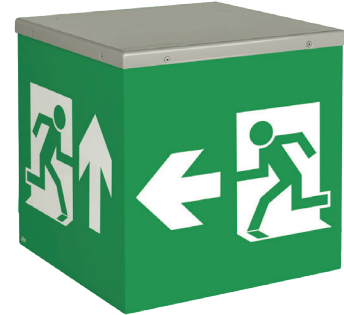
**Housing color and material:** White plastic/grey metal

**Dimensions:** 254mm x 254mm x 250mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

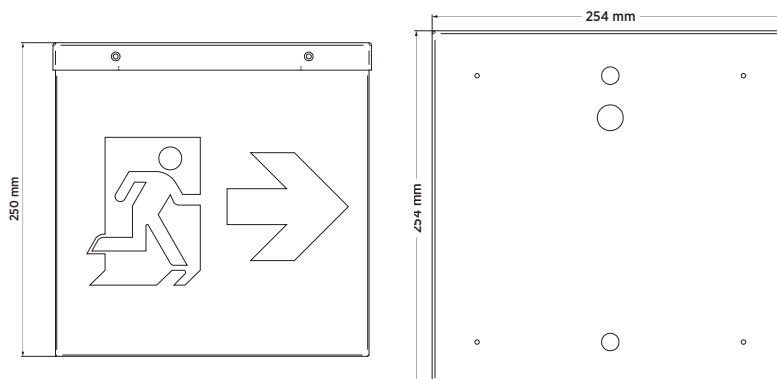
**Operating mode:** Non-maintained / Maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-014 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-014 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	15mA	-
EML-014 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	15mA	-
EML-014 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-014 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-014 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-014 Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-014 Slave/CB	Addressable central battery	AC 120-240V	15mA	-
EML-014 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	15mA	-

Our four-sided exit light specially developed for large public areas and industrial scale halls. Suitable for airports and shopping malls as well, due to its visibility distance (46m). It is applicable for ceiling or it is available in hanging design. With unique pictograms, it's practical not only for showing the exit, but also for marking a meeting point, or showing other information. The suspension accessories are sold separately.



# EML-9017

**Type:** Exit sign luminaire

**Mounting:** Sidewall

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

**Housing color and material:** White plastic/metal

**Dimensions:** 620mm x 320mm x 80mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

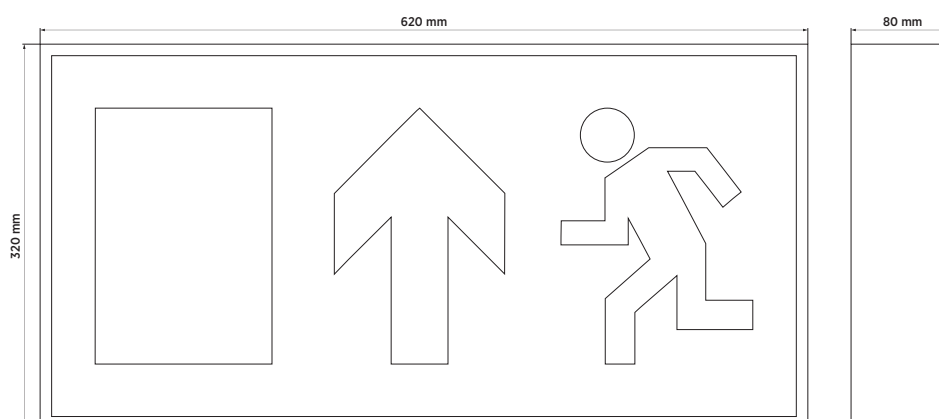
**Operating mode:** Non-maintained / Maintained

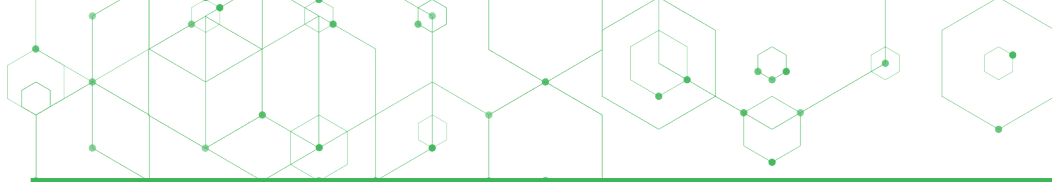
**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-9017 Slave/Con/MB	Conventional main battery	AC 120-240V	65mA	NIMH 1600mA 1-3 h
EML-9017 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	45mA	-
EML-9017 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	45mA	-
EML-9017 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	290mA	-
EML-9017 Slave/MB	Addressable main battery	AC 120-240V	65mA	NIMH 1600mA 1-3 h
EML-9017 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	65mA	NIMH 1600mA 1-3 h
EML-9017 Slave/CB 24V	Addressable central battery	DC 24-32V	290mA	-
EML-9017 Slave/CB	Addressable central battery	AC 120-240V	45mA	-
EML-9017 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	45mA	-

The largest LED exit sign of our portfolio is the EML-9017. Due to its size the exit sign is suitable for industrial halls and big buildings with large interior, where the long visibility distance is important (60m). It can be mounted onto the sidewall.





# EML-414

**Type:** Exit sign luminaire

**Mounting:** Ceiling, sidewall, flag, suspended

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

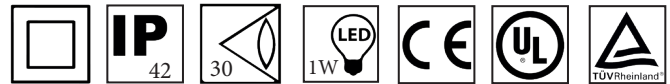
**Dimensions:** 294mm x 206mm x 49mm

**Housing color and material:** White plastic

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

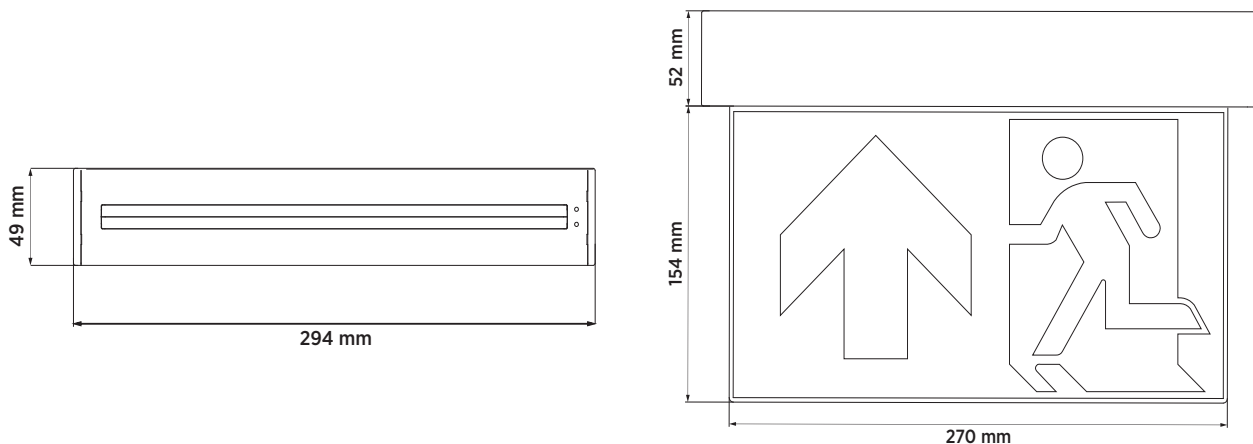
**Operating mode:** Non-maintained / Maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-414 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-414 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	15mA	
EML-414 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	15mA	-
EML-414 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-414 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-414 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-414 Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-414 Slave/CB	Addressable central battery	AC 120-240V	15mA	-
EML-414 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	15mA	-

High quality double-sided LED exit sign. It was designed mainly for buildings with high aesthetic requirements (hotels, business centres). The EML-414 luminaire suitable for types of mounting: to the ceiling, parallel to the sidewall and perpendicularly to the sidewall.



# EML-417

**Type:** Exit sign luminaire

**Mounting:** Ceiling, sidewall, flag, suspended

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

**Dimensions:** 260mm x 177mm x 49mm

**Housing color and material:** White plastic

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

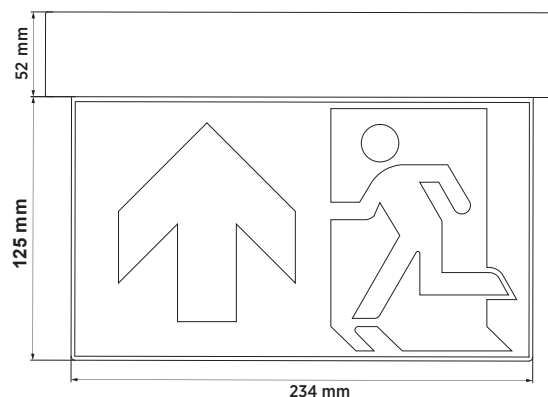
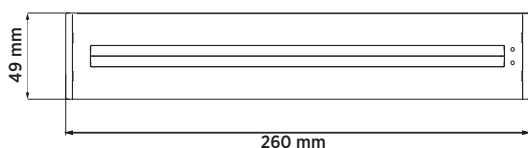
**Operating mode:** Non-maintained / Maintained

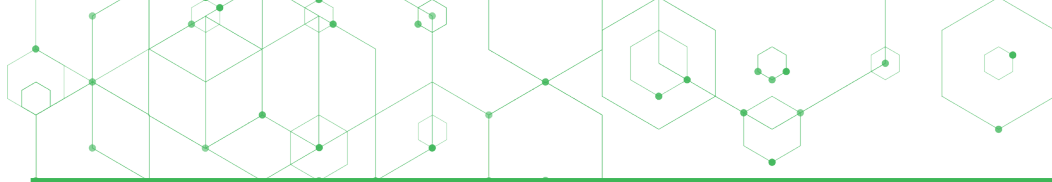
**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-417 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-417 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	15mA	-
EML-417 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	15mA	-
EML-417 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-417 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-417 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-417 Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-417 Slave/CB	Addressable central battery	AC 120-240V	15mA	-
EML-417 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	15mA	-

High quality double-sided LED exit sign. It was designed mainly for buildings with high aesthetic requirements (hotels, business centres). The EML-417 luminaire suitable for types of mounting: to the ceiling, parallel to the sidewall and perpendicularly to the sidewall. The suspension accessories are sold separately.





# EML-414C

**Type:** Exit sign luminaire

**Mounting:** Ceiling recessed

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

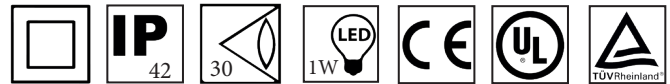
**Housing color and material:** White plastic

**Dimensions:** 332mm x 206mm x 86mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

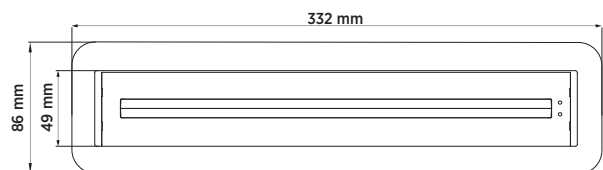
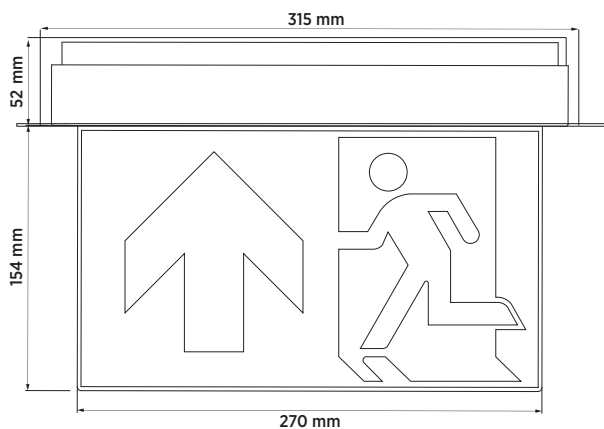
**Operating mode:** Non-maintained / Maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-414C Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-414C Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	15mA	-
EML-414C Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	15mA	-
EML-414C Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-414C Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-414C Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-414C Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-414C Slave/CB	Addressable central battery	AC 120-240V	15mA	-
EML-414C Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	15mA	-

The EML-414C light is the recessed version of the EML-414 light.



# EML-417C

**Type:** Exit sign luminaire

**Mounting:** Ceiling recessed

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

**Housing color and material:** White plastic

**Dimensions:** 298mm x 179mm x 87mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

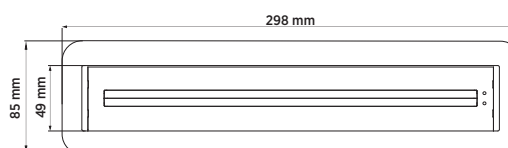
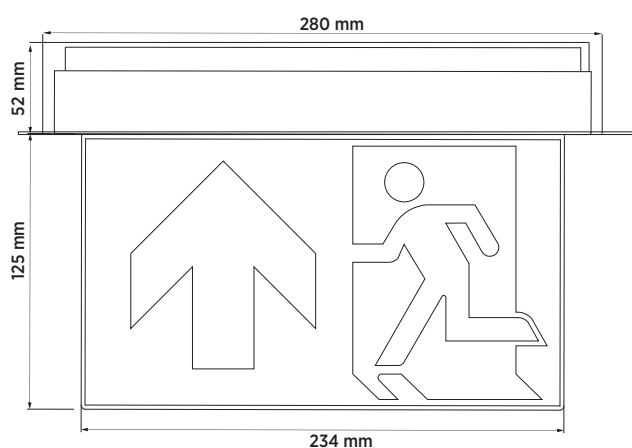
**Operating mode:** Non-maintained / Maintained

**Constant nominal ambient temperature range:** 0°C <math>T\_a</math> <math><45^\circ\text{C}</math>



Product name	System type	Main supply	Input current	Battery type/time
EML-417C Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-417C Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	15mA	-
EML-417C Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	15mA	-
EML-417C Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-417C Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-417C Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-417C Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-417C Slave/CB	Addressable central battery	AC 120-240V	15mA	-
EML-417C Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	15mA	-

The EML-417C light is the recessed version of the EML-417 light.





# EML-617

**Type:** Exit sign luminaire

**Mounting:** Sidewall

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

**Housing color and material:** White plastic

**Dimensions:** 315mm x 102mm x 74mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

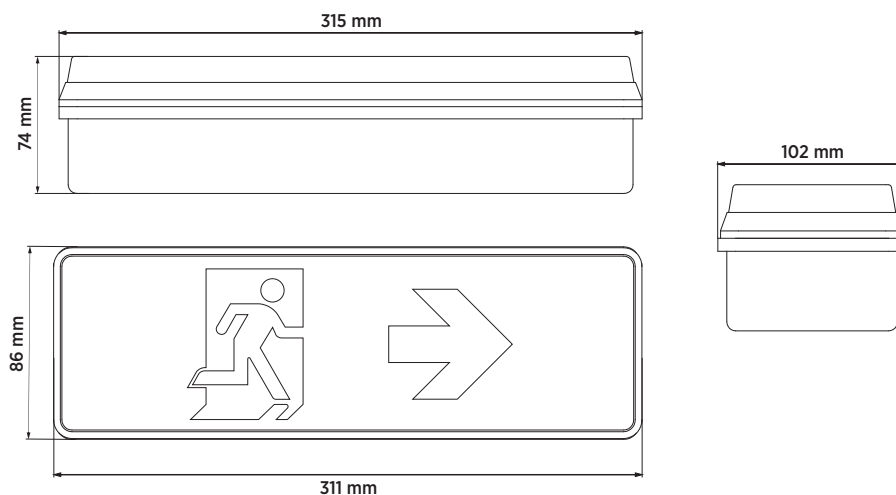
**Operating mode:** Non-maintained / Maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-617 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-617 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	15mA	-
EML-617 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	15mA	-
EML-617 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-617 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-617 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-617 Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-617 Slave/CB	Addressable central battery	AC 120-240V	15mA	-
EML-617 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	15mA	-

The EML-617 is a one-sided, sidewall-mounted LED exit sign with strong plastic housing with IP54 protection. Due to its design, it is suitable for shopping centres, office buildings, staircases, and other public buildings.



# EML-817

**Type:** Exit sign luminaire

**Mounting:** Sidewall recessed

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

**Housing color and material:** White plastic

**Dimensions:** 343mm x 128mm x 74mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

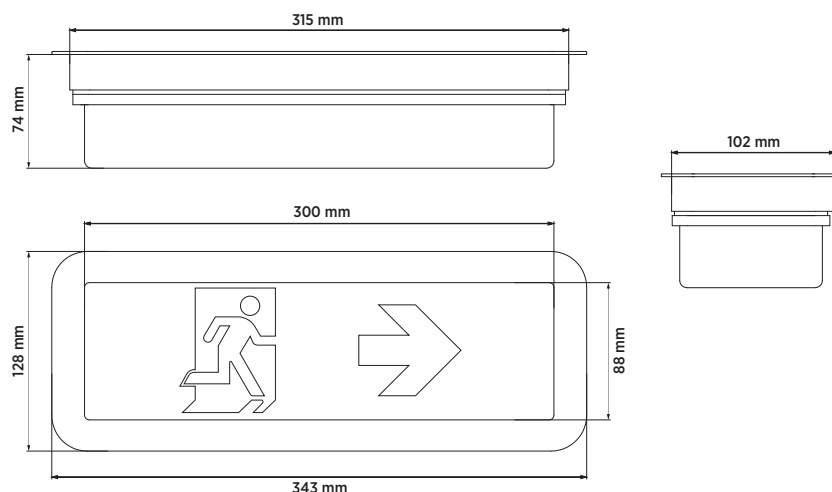
**Operating mode:** Non-maintained / Maintained

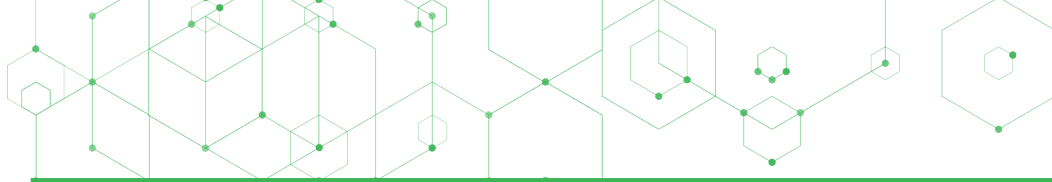
**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-817 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-817 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	15mA	-
EML-817 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	15mA	-
EML-817 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-817 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-817 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-817 Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-817 Slave/CB	Addressable central battery	AC 120-240V	15mA	-
EML-817 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	15mA	-

The EML-817 is a one-sided, sidewall-recessed LED exit sign with strong plastic housing with IP54 protection. Due to its design, it is suitable for shopping centres, office buildings, staircases, and other public buildings.





# EML-617 plexiglass

**Type:** Exit sign luminaire

**Mounting:** Ceiling

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

**Housing color and material:** White plastic

**Dimensions:** 315mm x 102mm x 228mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

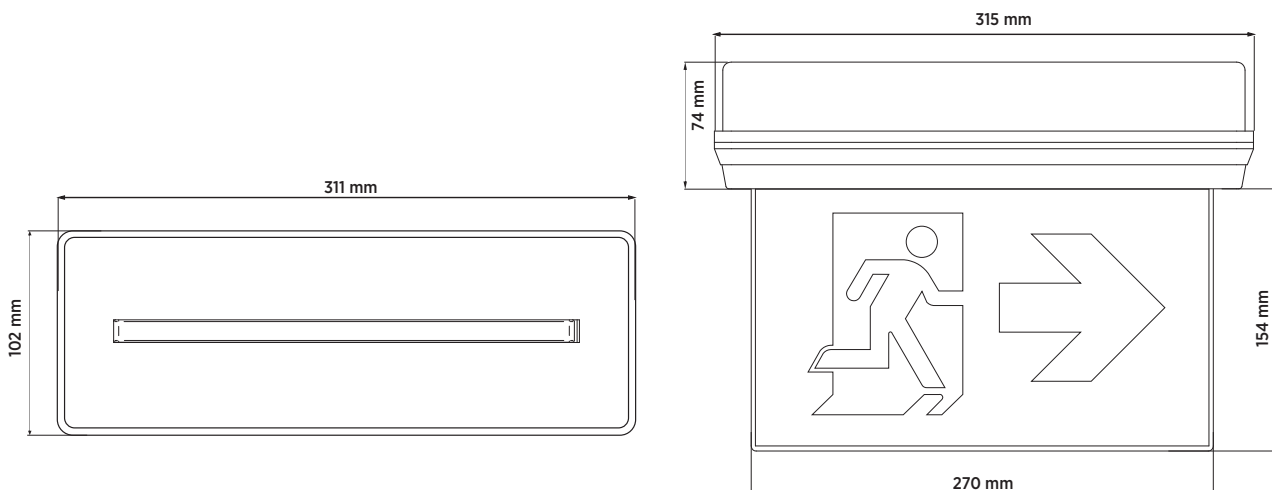
**Operating mode:** Non-maintained / Maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-617+plexi Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-617+plexi Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	15mA	-
EML-617+plexi Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	15mA	-
EML-617+plexi Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-617+plexi Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-617+plexi Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-617+plexi Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-617+plexi Slave/CB	Addressable central battery	AC 120-240V	15mA	-
EML-617+plexi Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	15mA	-

The EML-617 + plexiglass is a double-sided, ceiling-mounted LED exit sign with strong plastic housing with IP54 protection. Due to its design, it is suitable for shopping centres, office buildings, staircases, and other public buildings.



# EML-817 plexiglass

**Type:** Exit sign luminaire

**Mounting:** Ceiling recessed

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

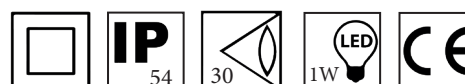
**Housing color and material:** White plastic

**Dimensions:** 343mm x 128mm x 228mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

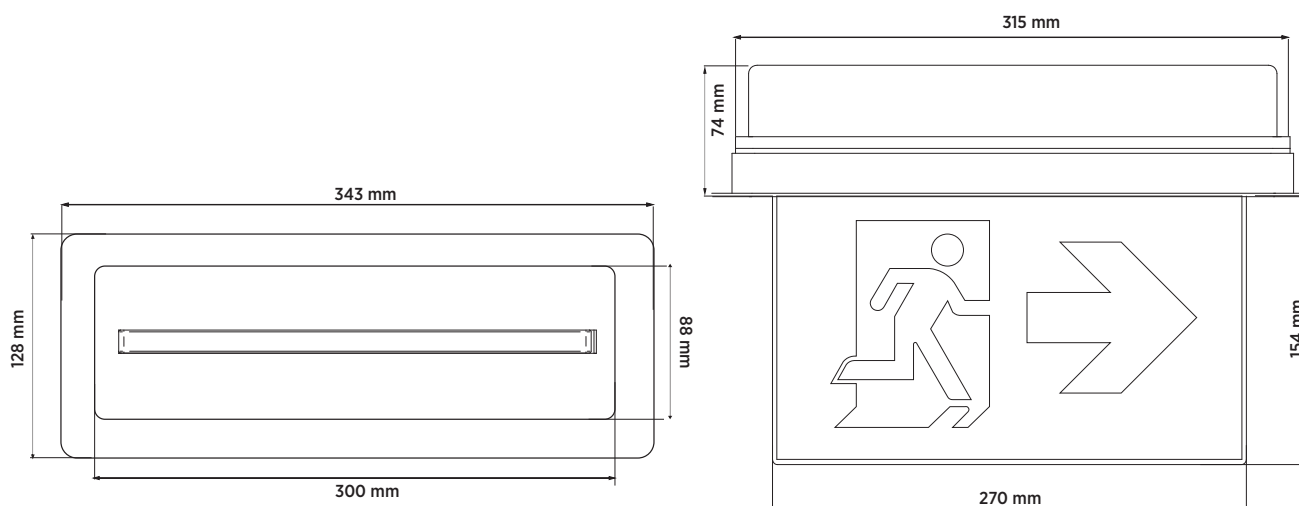
**Operating mode:** Non-maintained / Maintained

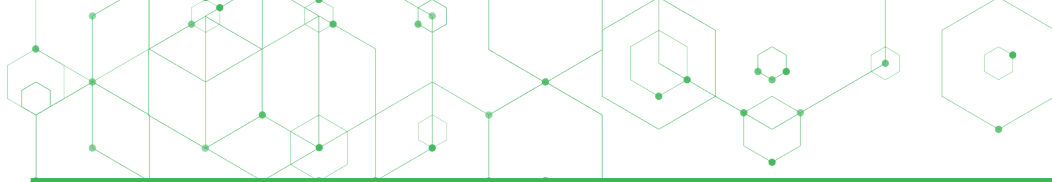
**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-817+plexi Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-817+plexi Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	15mA	-
EML-817+plexi Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	15mA	-
EML-817+plexi Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-817+plexi Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-817+plexi Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-817+plexi Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-817+plexi Slave/CB	Addressable central battery	AC 120-240V	15mA	-
EML-817 + plexi Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	15mA	-

The EML-817 + plexiglass is a double-sided, ceiling-recessed LED exit sign with strong plastic housing with IP54 protection. Due to its design, it is suitable for shopping centres, office buildings, staircases, and other public buildings.





# EML-6014

**Type:** Exit sign luminaire

**Mounting:** Ceiling

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

**Housing color and material:** White plastic

**Dimensions:** 337mm x 170mm x 215mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

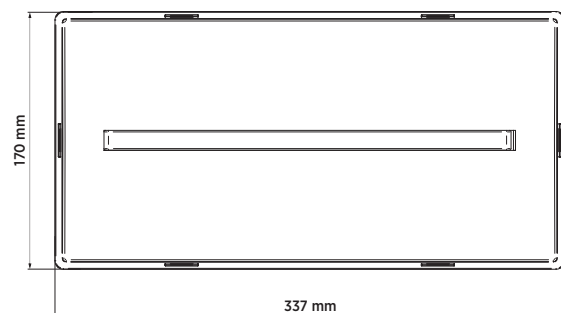
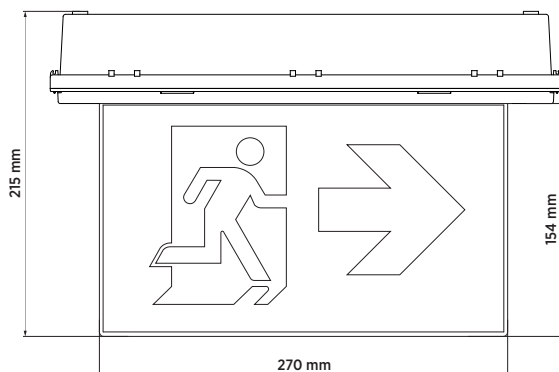
**Operating mode:** Non-maintained / Maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-6014 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-6014 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	15mA	
EML-6014 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	15mA	-
EML-6014 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-6014 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-6014 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-6014 Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-6014 Slave/CB	Addressable central battery	AC 120-240V	15mA	-
EML-6014 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	15mA	-

The EML-6014 is a double-sided, ceiling-mounted LED exit sign with strong plastic housing with IP65 protection. Suitable for dry and wet locations (rest room, basement, garage) and for outdoor use as well.



# EML-6017

**Type:** Exit sign luminaire

**Mounting:** Sidewall

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

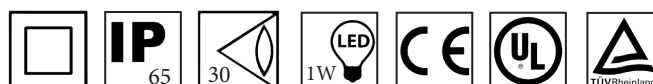
**Housing color and material:** White plastic

**Dimensions:** 337mm x 170mm x 62mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

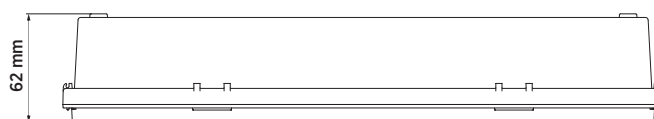
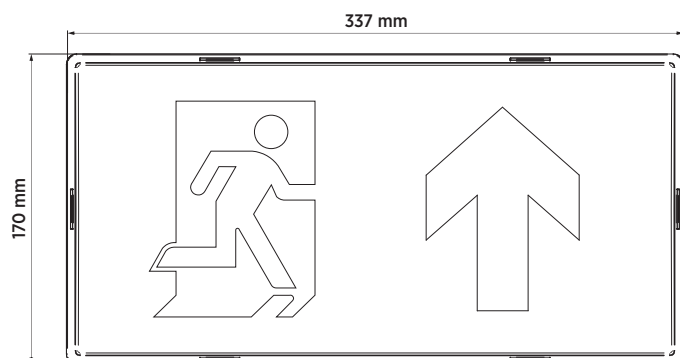
**Operating mode:** Non-maintained / Maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-6017 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-6017 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	15mA	
EML-6017 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	15mA	-
EML-6017 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-6017 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-6017 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-6017 Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-6017 Slave/CB	Addressable central battery	AC 120-240V	15mA	-
EML-6017 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	15mA	-

The EML-6017 is an elegant one-sided, sidewall-mounted LED exit sign with IP65 protection. Suitable for dry and wet locations (rest room, basement, garage) and for outdoor use as well.





# EML-415

**Type:** Exit sign luminaire

**Mounting:** Sidewall recessed, suspended from ceiling, recessed into ceiling and suspended

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

**Housing color and material:** Grey plastic

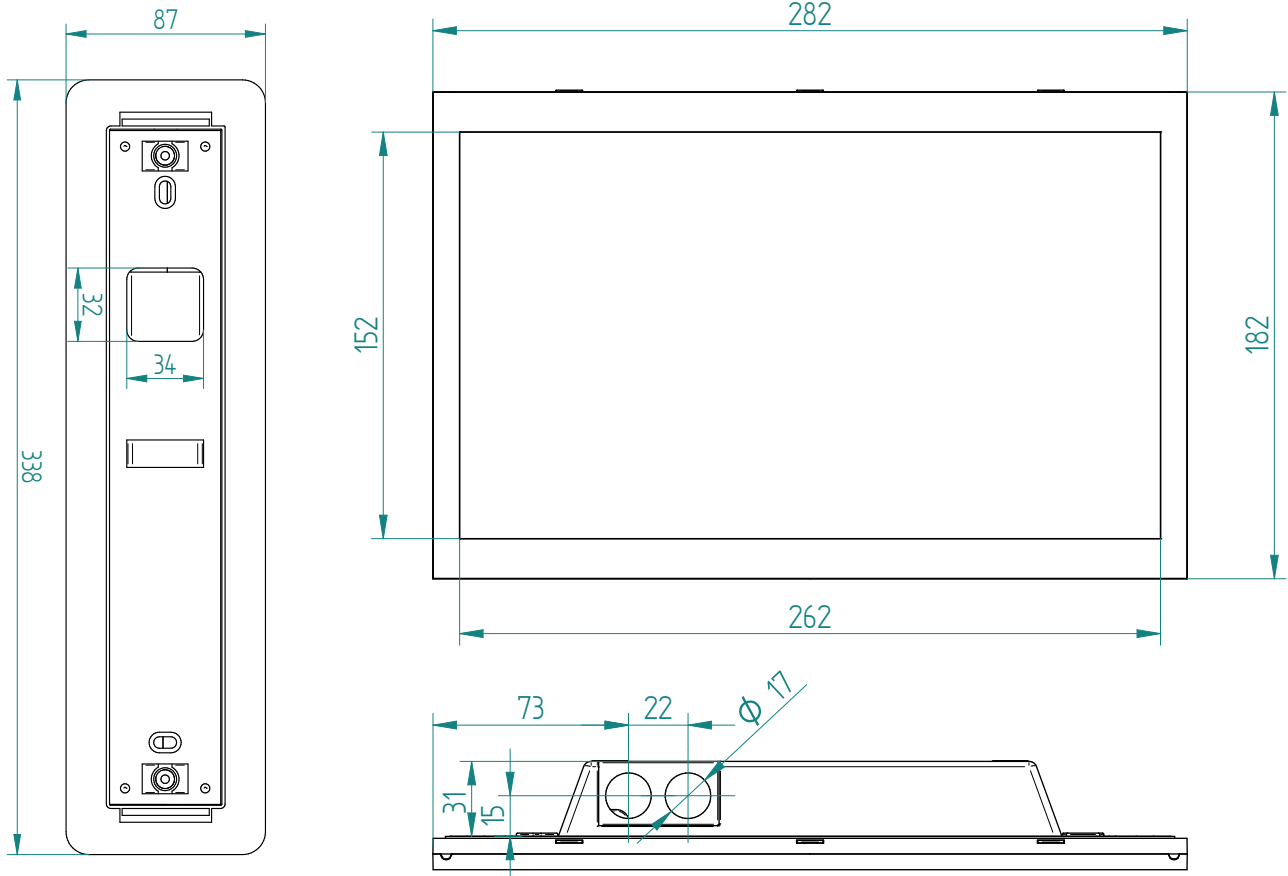
**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

**Operating mode:** Non-maintained / Maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



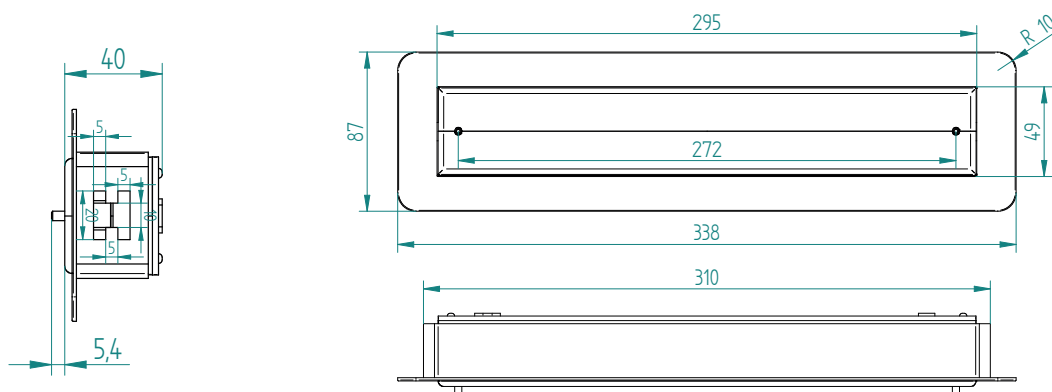
The EML-415 is an elegant exit sign with IP42 protection and a 30m viewing distance. One-sided and double-sided design with sidewall-mounted, ceiling-recessed suspended, and ceiling-suspended mounting variations. Pictogram's direction must be marked during the order.



Product name	Variation	System type	Main supply	Input current
EML-415 Slave/Con/CB ACAC	Wall mounted	Conventional central battery	AC 120-240V	15mA
EML-415 Slave/Con/CB ACDC	Wall mounted	Conventional central battery	AC/DC 120-240V	15mA
EML-415 Slave/Con/CB 24V	Wall mounted	Conventional central battery	DC 24-32V	80mA
EML-415 Slave/CB 24V	Wall mounted	Addressable central battery	DC 24-32V	80mA
EML-415 Slave/CB	Wall mounted	Addressable central battery	AC 120-240V	15mA
EML-415 Slave/CB AC-DC	Wall mounted	Addressable central battery	AC/DC 120-240V	15mA

Product name	Variation	System type	Main supply	Input current
EML-415 Slave/Con/CB ACAC	Suspended, one sided	Conventional central battery	AC 120-240V	15mA
EML-415 Slave/Con/CB ACAC	Suspended, two sided	Conventional central battery	AC 120-240V	15mA
EML-415 Slave/Con/CB ACDC	Suspended, one sided	Conventional central battery	AC/DC 120-240V	15mA
EML-415 Slave/Con/CB ACDC	Suspended, two sided	Conventional central battery	AC/DC 120-240V	15mA
EML-415 Slave/Con/CB 24V	Suspended, one sided	Conventional central battery	DC 24-32V	80mA
EML-415 Slave/Con/CB 24V	Suspended, two sided	Conventional central battery	DC 24-32V	80mA
EML-415 Slave/CB 24V	Suspended, one sided	Addressable central battery	DC 24-32V	80mA
EML-415 Slave/CB 24V	Suspended, two sided	Addressable central battery	DC 24-32V	80mA
EML-415 Slave/CB	Suspended, one sided	Addressable central battery	AC 120-240V	15mA
EML-415 Slave/CB	Suspended, two sided	Addressable central battery	AC 120-240V	15mA
EML-415 Slave/CB AC-DC	Suspended, one sided	Addressable central battery	AC/DC 120-240V	15mA
EML-415 Slave/CB AC-DC	Suspended, two sided	Addressable central battery	AC/DC 120-240V	15mA

Product name	Variation	System type	Main supply	Input current
EML-415 Slave/Con/CB ACAC	Recessed-suspended, one sided	Conventional central battery	AC 120-240V	15mA
EML-415 Slave/Con/CB ACAC	Recessed-suspended, two sided	Conventional central battery	AC 120-240V	15mA
EML-415 Slave/Con/CB ACDC	Recessed-suspended, one sided	Conventional central battery	AC/DC 120-240V	15mA
EML-415 Slave/Con/CB ACDC	Recessed-suspended, two sided	Conventional central battery	AC/DC 120-240V	15mA
EML-415 Slave/Con/CB 24V	Recessed-suspended, one sided	Conventional central battery	DC 24-32V	80mA
EML-415 Slave/Con/CB 24V	Recessed-suspended, two sided	Conventional central battery	DC 24-32V	80mA
EML-415 Slave/CB 24V	Recessed-suspended, one sided	Addressable central battery	DC 24-32V	80mA
EML-415 Slave/CB 24V	Recessed-suspended, two sided	Addressable central battery	DC 24-32V	80mA
EML-415 Slave/CB	Recessed-suspended, one sided	Addressable central battery	AC 120-240V	15mA
EML-415 Slave/CB	Recessed-suspended, two sided	Addressable central battery	AC 120-240V	15mA
EML-415 Slave/CB AC-DC	Recessed-suspended, one sided	Addressable central battery	AC/DC 120-240V	15mA
EML-415 Slave/CB AC-DC	Recessed-suspended, two sided	Addressable central battery	AC/DC 120-240V	15mA





IRIS 1

IRIS 2

IRIS 1



# EML-8017

**Type:** Explosion-proof exit sign luminaire

**Mounting:** Sidewall

**Light source:** 50.000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

**Housing color and material:** White plastic

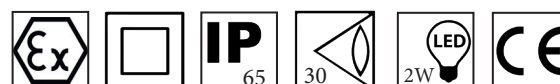
**Class:** Zone 2

**Dimensions:** 314mm x 188mm x 72mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

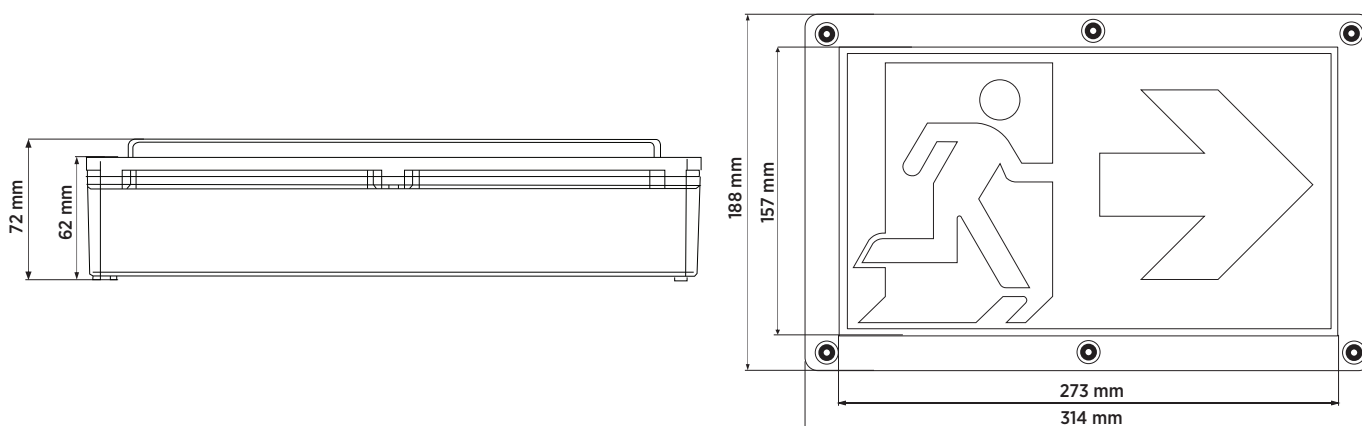
**Operating mode:** Non-maintained / Maintained

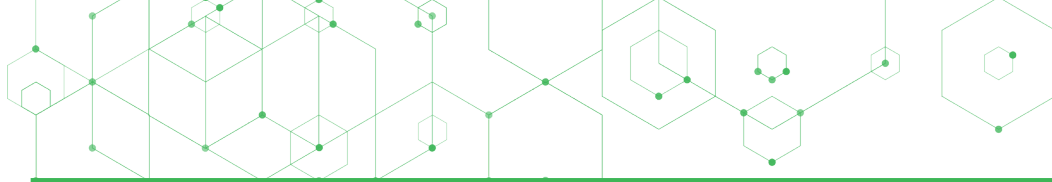
**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-8017 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-8017 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	24mA	-
EML-8017 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	24mA	-
EML-8017 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	80mA	-
EML-8017 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-8017 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1-3 h
EML-8017 Slave/CB 24V	Addressable central battery	DC 24-32V	80mA	-
EML-8017 Slave/CB	Addressable central battery	AC 120-240V	24mA	-
EML-8017 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	24mA	-

The EML-8017 is a one-sided, sidewall-mounted, explosion-proof LED exit sign designed for Zone 2 hazardous areas. Due to its IP65 rating, the luminaire is suitable for dry and wet locations (rest room, basement, garage) and for outdoor use as well. Pictogram's direction must be marked during the order.





# EML-D200

**Type:** Dynamic exit sign luminaire

**Mounting:** Sidewall, ceiling, flag

**Light source:** 6000K color temperature backlight, red-green cross-arrows panels

**Warranty:** 2-years repair warranty

**Housing color and material:** Metal grey

**Dimensions:** 362mm x 46mm x 122mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

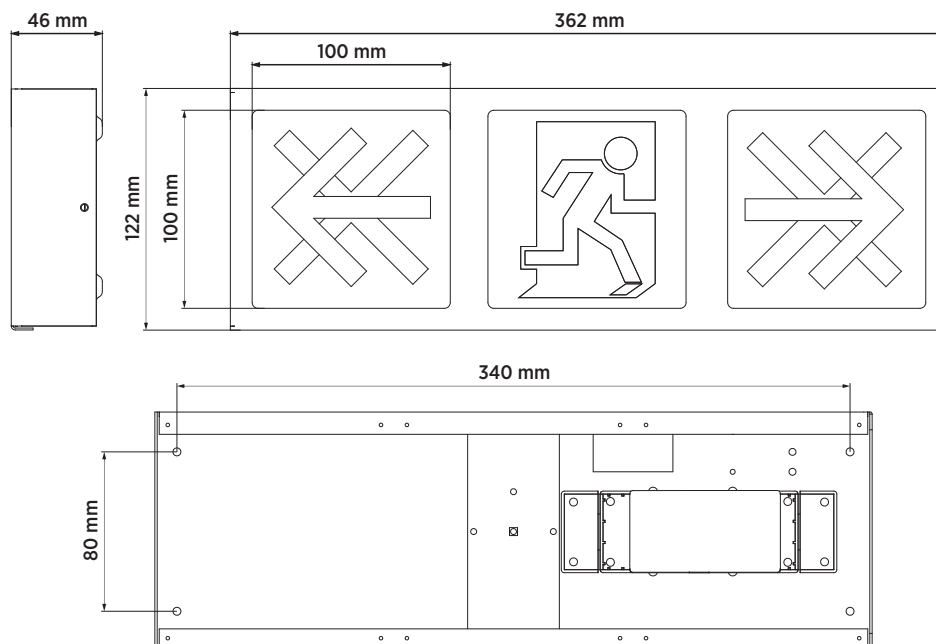
**Operating mode:** Non-maintained / Maintained, 2 arrows/stop signs

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-D200 Slave/CB 24V	Addressable central battery	DC 24-32V	130mA	-
EML-D200 Slave/CB	Addressable central battery	AC 120-240V	25mA	-
EML-D200 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	25mA	-

Dynamic LED exit light for sidewall. It is recommended in buildings, where more escape routes are possible. In case of emergency the control panel receives information from the fire alarm centre regarding the location of the fire. Then it informs the light about the right escape route to show.



# EML-D300

**Type:** Dynamic exit sign luminaire

**Mounting:** Sidewall, ceiling, flag

**Light source:** 50000h operational time, 6000K color temperature  
backlight, RGB matrix panel

**Warranty:** 2-years repair warranty

**Housing color and material:** Metal grey

**Dimensions:** 337mm x 52mm x 179mm or 337mm x 52mm x 229mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or  
sleeved twisted wire

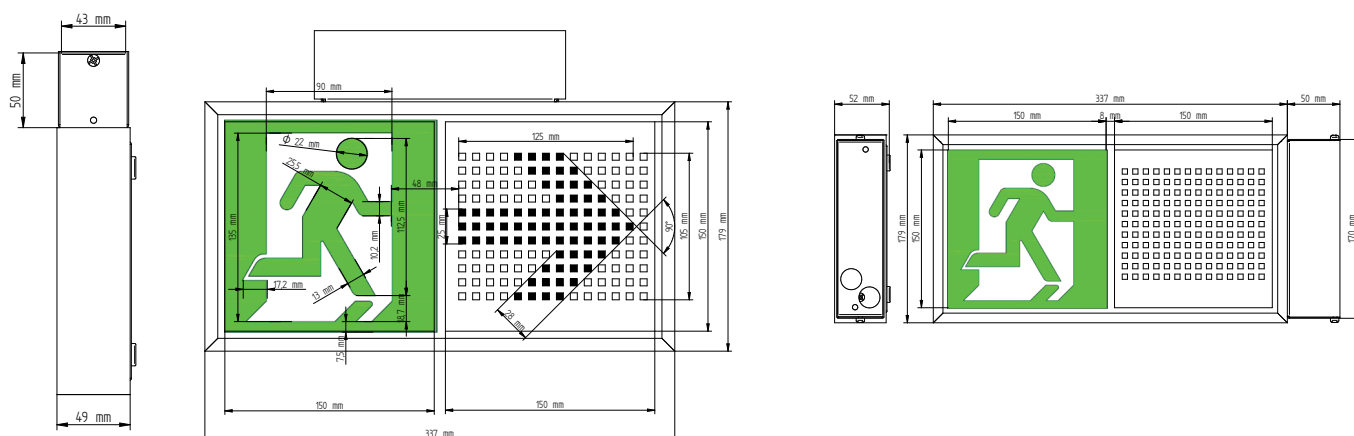
**Operating mode:** Non-maintained / Maintained

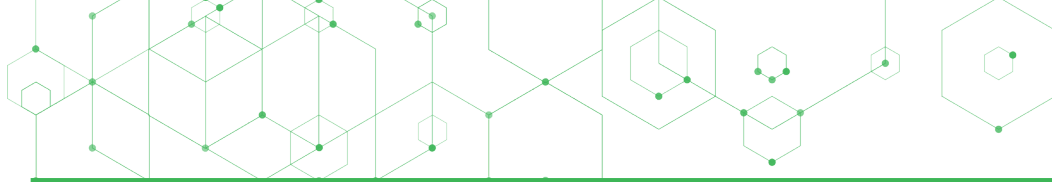
**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	Variation	System type	Main supply	Input current
EML-D300 Slave/CB 24V	Wall mounted	Addressable central battery	DC 24-32V	250mA
EML-D300 Slave/CB 24V	Flag mounted, one sided	Addressable central battery	DC 24-32V	250mA
EML-D300 Slave/CB 24V	Flag mounted, two sided	Addressable central battery	DC 24-32V	275mA
EML-D300 Slave/CB 24V	Ceiling mounted, one sided	Addressable central battery	DC 24-32V	250mA
EML-D300 Slave/CB 24V	Ceiling mounted, two sided	Addressable central battery	DC 24-32V	275mA
EML-D300 Slave/CB	Wall mounted	Addressable central battery	AC 120-240V	47mA
EML-D300 Slave/CB	Flag mounted, one sided	Addressable central battery	AC 120-240V	47mA
EML-D300 Slave/CB	Flag mounted, two sided	Addressable central battery	AC 120-240V	52mA
EML-D300 Slave/CB	Ceiling mounted, one sided	Addressable central battery	AC 120-240V	47mA
EML-D300 Slave/CB	Ceiling mounted, two sided	Addressable central battery	AC 120-240V	52mA
EML-D300 Slave/CB AC-DC	Wall mounted	Addressable central battery	AC/DC 120-240V	47mA
EML-D300 Slave/CB AC-DC	Flag mounted, one sided	Addressable central battery	AC/DC 120-240V	47mA
EML-D300 Slave/CB AC-DC	Flag mounted, two sided	Addressable central battery	AC/DC 120-240V	52mA
EML-D300 Slave/CB AC-DC	Ceiling mounted, one sided	Addressable central battery	AC/DC 120-240V	47mA
EML-D300 Slave/CB AC-DC	Ceiling mounted, two sided	Addressable central battery	AC/DC 120-240V	52mA

The EML-D300 is a dynamic LED exit light with a ceiling or sidewall-mounted design. It is recommended in buildings where more escape routes are available. In case of an emergency the control panel receives the information from the fire alarm center regarding the location of the fire, then the panel does inform the light about the right escape route to show.





# EML-D300 EXIT

**Type:** Dynamic exit sign luminaire

**Mounting:** Sidewall, ceiling, flag

**Light source:** 50000h operational time, 6000K color temperature backlight, RGB matrix panel

**Warranty:** 2-years repair warranty

**Housing color and material:** Metal grey

**Dimensions:** 337mm x 52mm x 179mm or 337mm x 52mm x 229mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

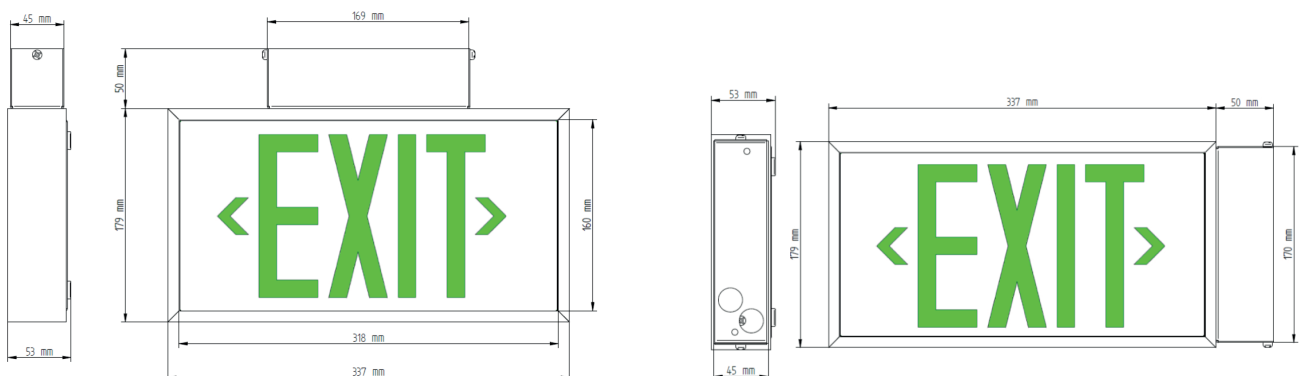
**Operating mode:** Non-maintained / Maintained, constant or blinking mode for arrows

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	Variation	System type	Main supply	Input current
EML-D300 Slave/CB 24V	Wall mounted	Addressable central battery	DC 24-32V	250mA
EML-D300 Slave/CB 24V	Flag mounted, one sided	Addressable central battery	DC 24-32V	250mA
EML-D300 Slave/CB 24V	Flag mounted, two sided	Addressable central battery	DC 24-32V	275mA
EML-D300 Slave/CB 24V	Ceiling mounted, one sided	Addressable central battery	DC 24-32V	250mA
EML-D300 Slave/CB 24V	Ceiling mounted, two sided	Addressable central battery	DC 24-32V	275mA
EML-D300 Slave/CB	Wall mounted	Addressable central battery	AC 120-240V	47mA
EML-D300 Slave/CB	Flag mounted, one sided	Addressable central battery	AC 120-240V	47mA
EML-D300 Slave/CB	Flag mounted, two sided	Addressable central battery	AC 120-240V	52mA
EML-D300 Slave/CB	Ceiling mounted, one sided	Addressable central battery	AC 120-240V	47mA
EML-D300 Slave/CB	Ceiling mounted, two sided	Addressable central battery	AC 120-240V	52mA
EML-D300 Slave/CB AC-DC	Wall mounted	Addressable central battery	AC/DC 120-240V	47mA
EML-D300 Slave/CB AC-DC	Flag mounted, one sided	Addressable central battery	AC/DC 120-240V	47mA
EML-D300 Slave/CB AC-DC	Flag mounted, two sided	Addressable central battery	AC/DC 120-240V	52mA
EML-D300 Slave/CB AC-DC	Ceiling mounted, one sided	Addressable central battery	AC/DC 120-240V	47mA
EML-D300 Slave/CB AC-DC	Ceiling mounted, two sided	Addressable central battery	AC/DC 120-240V	52mA

The EML-D300 EXIT is a dynamic LED exit light showing „EXIT” with green or red letters. Two escape routes can be shown by the chevrons. In case of fire, the control panel receives the signal from the fire alarm panel regarding the location of the fire, the the panel does inform the light about the right escape route to show.



# EML-D300 Running man

**Type:** Exit sign luminaire

**Mounting:** Sidewall, ceiling, flag

**Light source:** 50000h operational time, 6000K color temperature

**Warranty:** 2-years repair warranty

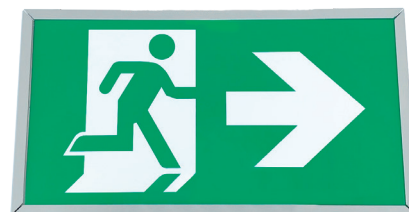
**Housing color and material:** Metal grey

**Dimensions:** 337mm x 52mm x 179mm or 337mm x 52mm x 229mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

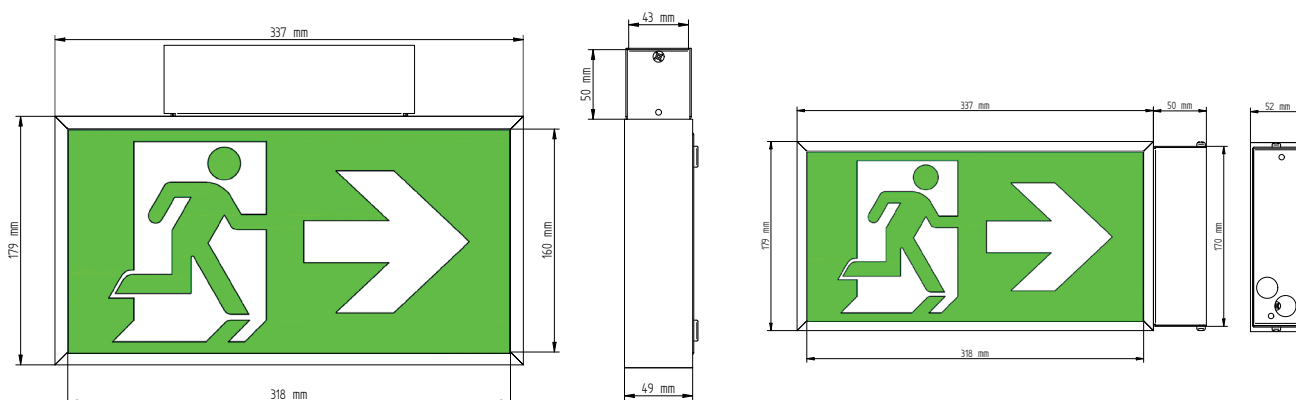
**Operating mode:** Non-maintained / Maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



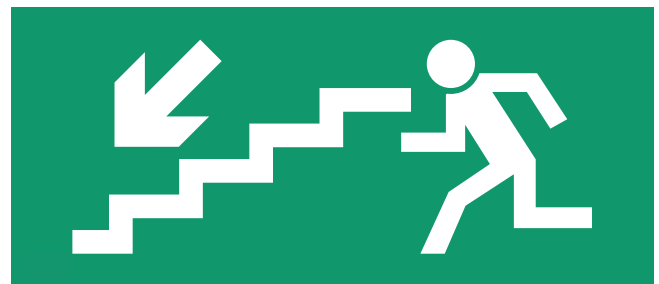
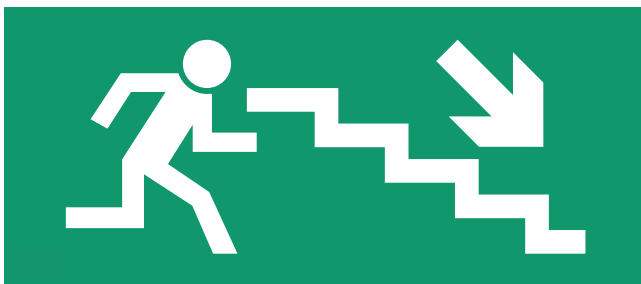
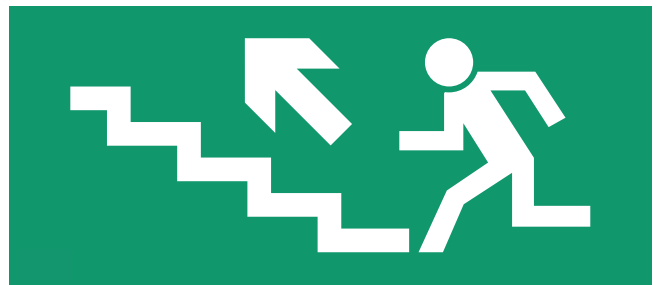
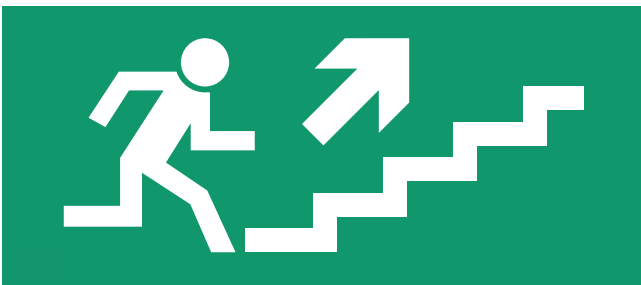
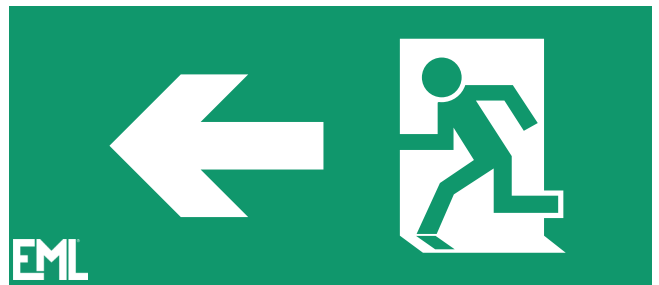
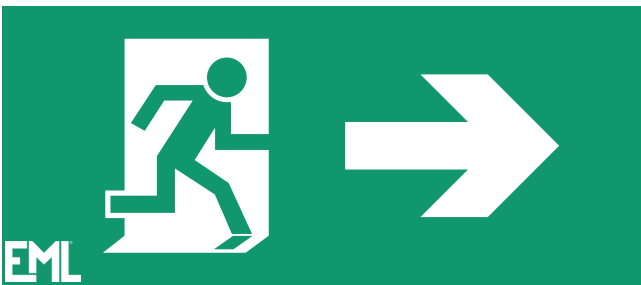
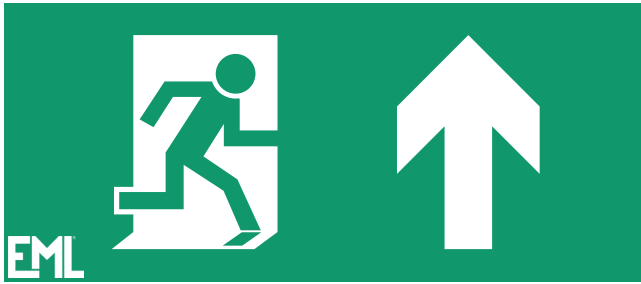
Product name	Variation	System type	Main supply	Input current
EML-D300 Running man Slave/CB 24V	Wall mounted	Addressable central battery	DC 24-32V	80mA
EML-D300 Running man Slave/CB 24V	Flag mounted, one sided	Addressable central battery	DC 24-32V	80mA
EML-D300 Running man Slave/CB 24V	Flag mounted, two sided	Addressable central battery	DC 24-32V	80mA
EML-D300 Running man Slave/CB 24V	Ceiling mounted, one sided	Addressable central battery	DC 24-32V	80mA
EML-D300 Running man Slave/CB 24V	Ceiling mounted, two sided	Addressable central battery	DC 24-32V	80mA
EML-D300 Running man Slave/CB	Wall mounted	Addressable central battery	AC 120-240V	15mA
EML-D300 Running man Slave/CB	Flag mounted, one sided	Addressable central battery	AC 120-240V	15mA
EML-D300 Running man Slave/CB	Flag mounted, two sided	Addressable central battery	AC 120-240V	15mA
EML-D300 Running man Slave/CB	Ceiling mounted, one sided	Addressable central battery	AC 120-240V	15mA
EML-D300 Running man Slave/CB	Ceiling mounted, two sided	Addressable central battery	AC 120-240V	15mA
EML-D300 Running man Slave/CB AC-DC	Wall mounted	Addressable central battery	AC/DC 120-240V	15mA
EML-D300 Running man Slave/CB AC-DC	Flag mounted, one sided	Addressable central battery	AC/DC 120-240V	15mA
EML-D300 Running man Slave/CB AC-DC	Flag mounted, two sided	Addressable central battery	AC/DC 120-240V	15mA
EML-D300 Running man Slave/CB AC-DC	Ceiling mounted, one sided	Addressable central battery	AC/DC 120-240V	15mA
EML-D300 Running man Slave/CB AC-DC	Ceiling mounted, two sided	Addressable central battery	AC/DC 120-240V	15mA

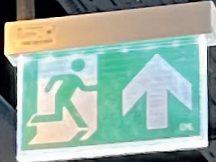
The EML-D300 Running man is a one-sided or two-sided exit light in a D300 housing. Pictogram's direction must be marked during the ordering.



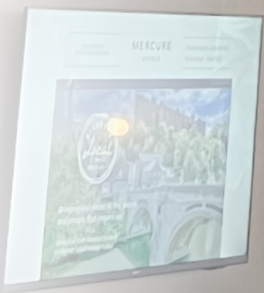


# Pictograms





← ÉTTER  
← WC TO







# EMERGENCY LUMINAIRES

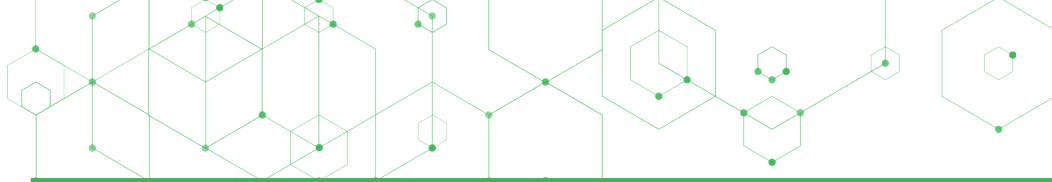
UP TO 50 000 HOURS LED LIFETIME

PHOTOMETRIC DATA AVAILABLE

VERSATILE OF MODELS

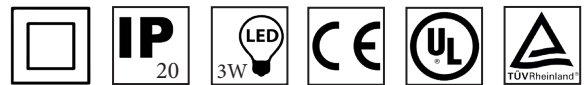
SIMPLE INSTALLATION





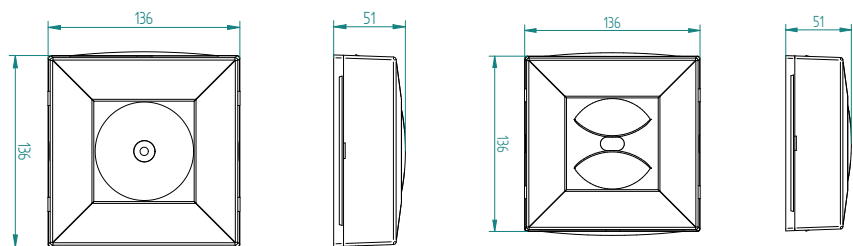
# EML-313 R/F

- Type:** LED emergency light
- Mounting:** Ceiling, sidewall
- Light source:** 50.000h operational time, 6000K color temperature
- Luminous flux:** 314 lm (R), 329 lm (F)
- Warranty:** 2-years repair warranty
- Housing color and material:** White, black plastic
- Dimensions:** 136mm x 136mm x 51mm
- Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire
- Operating mode:** Non-maintained
- Constant nominal ambient temperature range:** 0°C <math>T\_a</math> <math><45^\circ\text{C}</math>



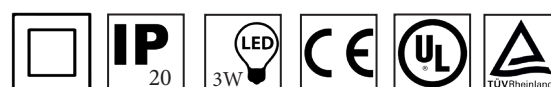
Product name	System type	Main supply	Input current	Battery type/time
EML-313R Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313R Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313R Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	27mA	-
EML-313R Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	27mA	-
EML-313R Slave/Con/CB/24V	Conventional central battery	DC 24-32V	190mA	-
EML-313R Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313R Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313R Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313R Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313R Slave/CB 24V	Addressable central battery	DC 24-32V	190mA	-
EML-313R Slave/CB	Addressable central battery	AC 120-240V	27mA	-
EML-313R Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	27mA	-
EML-313F Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313F Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313F Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	27mA	-
EML-313F Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	27mA	-
EML-313F Slave/Con/CB/24V	Conventional central battery	DC 24-32V	190mA	-
EML-313F Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313F Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313F Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313F Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313F Slave/CB 24V	Addressable central battery	DC 24-32V	190mA	-
EML-313F Slave/CB	Addressable central battery	AC 120-240V	27mA	-
EML-313F Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	27mA	-

LED safety light for the illumination of escape areas. Suitable for surface mounting. It can be ordered with round LED lens or with lens for corridors according to our customers' needs.



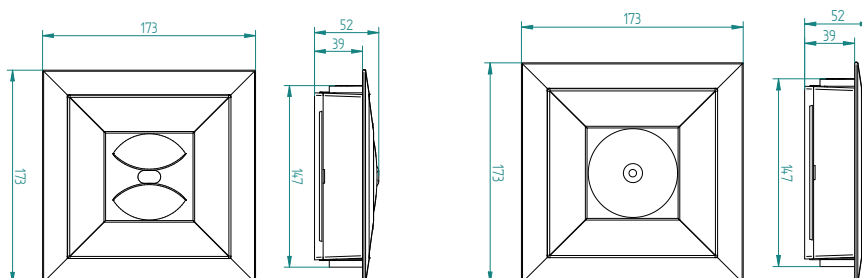
# EML-313 C/R and C/F

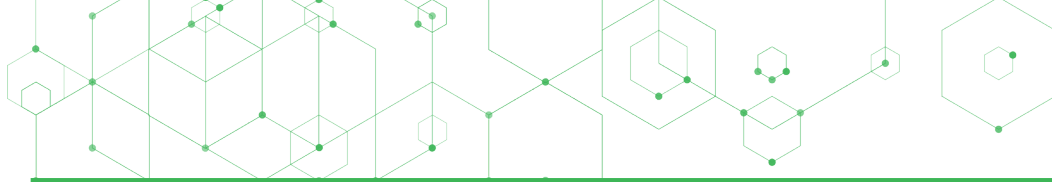
- Type:** LED emergency light
- Mounting:** Ceiling recessed
- Light source:** 50.000h operational time, 6000K color temperature
- Luminous flux:** 314 lm (R), 329 lm (F)
- Warranty:** 2-years repair warranty
- Housing color and material:** White, black plastic
- Dimensions:** 173mm x 173mm x 52mm
- Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire
- Operating mode:** Non-maintained
- Constant nominal ambient temperature range:** 0°C <math>T\_a</math> <math>< 45^\circ\text{C}</math>



Product name	System type	Main supply	Input current	Battery type/time
EML-313C/R Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313C/R Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313C/R Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	27mA	-
EML-313C/R Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	27mA	-
EML-313C/R Slave/Con/CB/24V	Conventional central battery	DC 24-32V	190mA	-
EML-313C/R Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313C/R Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313C/R Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313C/R Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313C/R Slave/CB 24V	Addressable central battery	DC 24-32V	190mA	-
EML-313C/R Slave/CB	Addressable central battery	AC 120-240V	27mA	-
EML-313C/R Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	27mA	-
EML-313C/F Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313C/F Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313C/F Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	27mA	-
EML-313C/F Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	27mA	-
EML-313C/F Slave/Con/CB/24V	Conventional central battery	DC 24-32V	190mA	-
EML-313C/F Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313C/F Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313C/F Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-313C/F Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 1600mA 3 h
EML-313C/F Slave/CB 24V	Addressable central battery	DC 24-32V	190mA	-
EML-313C/F Slave/CB	Addressable central battery	AC 120-240V	27mA	-
EML-313C/F Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	27mA	-

LED safety light for the illumination of escape areas. It can be recessed into the ceiling. It can be ordered with round LED lens or with lens for corridors (C/R or C/F).





# EML-4014R

**Type:** LED emergency light

**Mounting:** Ceiling recessed

**Light source:** 50.000h operational time, 6000K color temperature

**Luminous flux:** 377 lm

**Warranty:** 2-years repair warranty

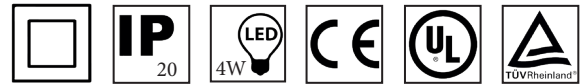
**Housing color and material:** White, black plastic

**Dimensions:** 90mm x 69mm x 46mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

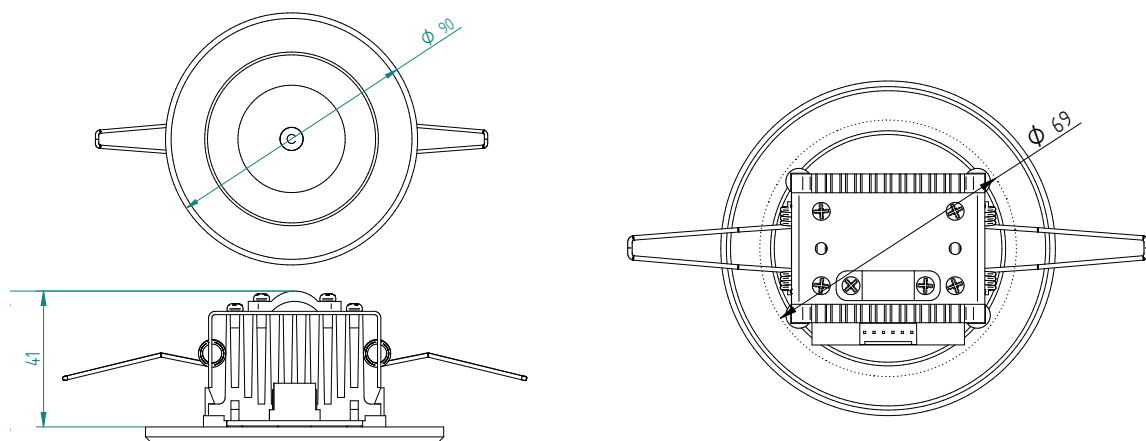
**Operating mode:** Non-maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-4014R Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-4014R Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-4014R Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	29mA	-
EML-4014R Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	29mA	-
EML-4014R Slave/Con/CB/24V	Conventional central battery	DC 24-32V	230mA	-
EML-4014R Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-4014R Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-4014R Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-4014R Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-4014R Slave/CB 24V	Addressable central battery	DC 24-32V	230mA	-
EML-4014R Slave/CB	Addressable central battery	AC 120-240V	29mA	-
EML-4014R Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	29mA	-

Aesthetic LED safety light for recessing into the ceiling. It is available with round LED lens. It has a great effective range, its practical design makes it easy to install.



# EML-4014F

**Type:** LED emergency light

**Mounting:** Ceiling recessed

**Light source:** 50.000h operational time, 6000K color temperature

**Luminous flux:** 388 lm

**Warranty:** 2-years repair warranty

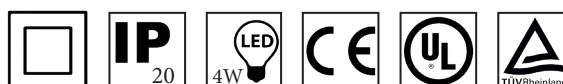
**Housing color and material:** White, black plastic

**Dimensions:** 90mm x 69mm x 46mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

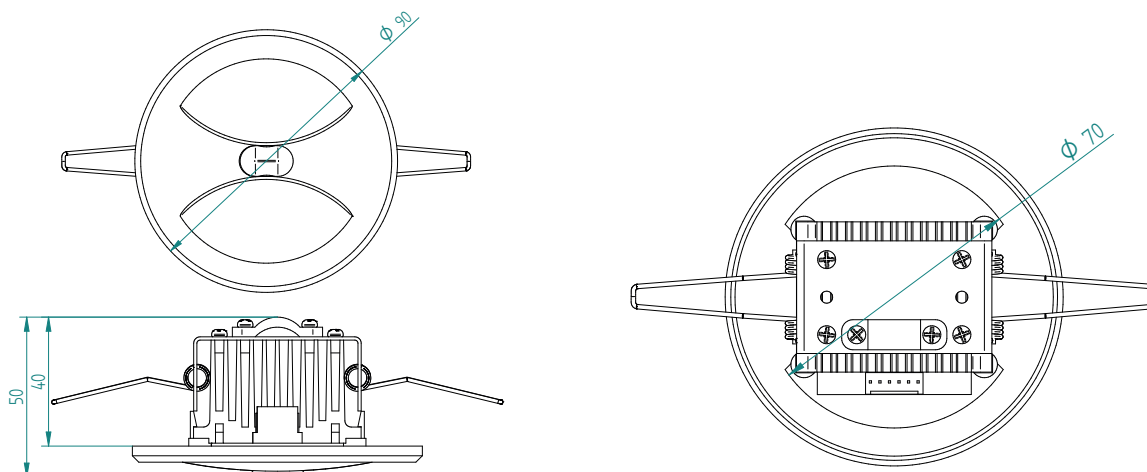
**Operating mode:** Non-maintained

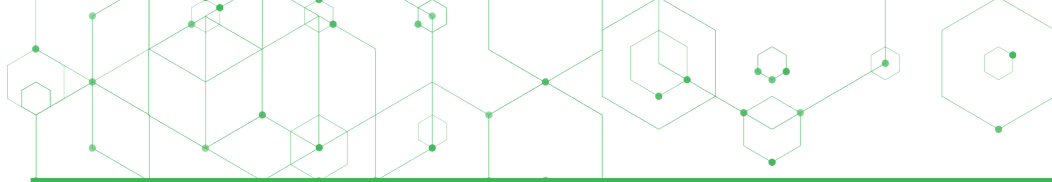
**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-4014F Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-4014F Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-4014F Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	29mA	-
EML-4014F Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	29mA	-
EML-4014F Slave/Con/CB/24V	Conventional central battery	DC 24-32V	230mA	-
EML-4014F Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-4014F Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-4014F Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-4014F Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-4014F Slave/CB 24V	Addressable central battery	DC 24-32V	230mA	-
EML-4014F Slave/CB	Addressable central battery	AC 120-240V	29mA	-
EML-4014F Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	29mA	-

Aesthetic LED safety light for recessing into the ceiling. It is available with lens for corridors. It has a great effective range, its practical design makes it easy to install.





# EML-613

**Type:** LED emergency light

**Mounting:** Ceiling, sidewall

**Light source:** 50.000h operational time, 6000K color temperature

**Luminous flux:** 294 lm

**Warranty:** 2-years repair warranty

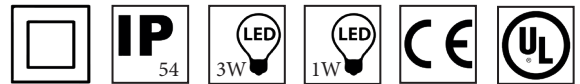
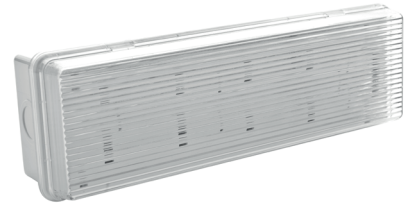
**Housing color and material:** White plastic

**Dimensions:** 315mm x 102mm x 74mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

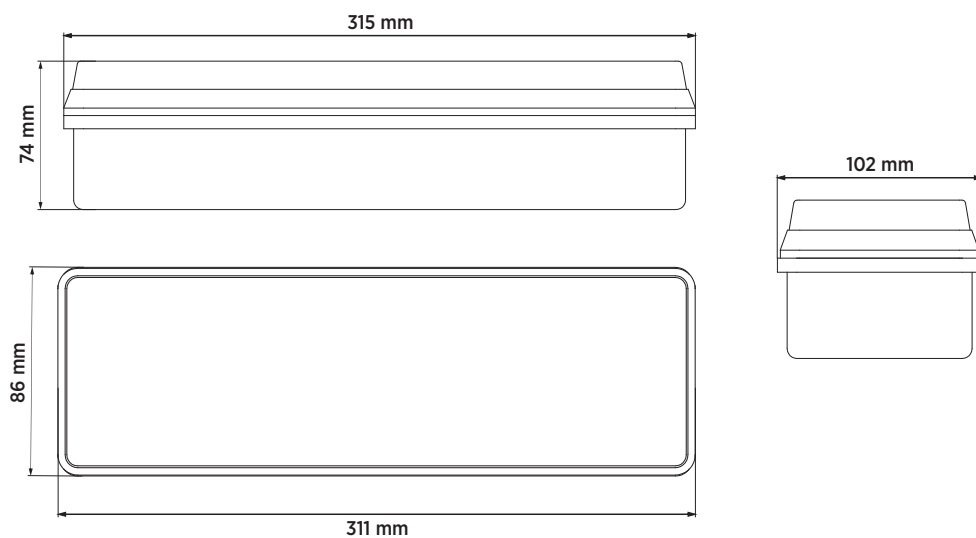
**Operating mode:** Non-maintained /maintained

**Constant nominal ambient temperature range:** 0°C<T<sub>a</sub><45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-613 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1 h
EML-613 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 1600mA 3 h
EML-613 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1 h
EML-613 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 1600mA 3 h
EML-613 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1 h
EML-613 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 2400mA 3 h

LED safety light with IP54 protection for ceilings or sidewalls. Maintained function with the built-in 1W LED



# EML-616

**Type:** LED emergency light

**Mounting:** Ceiling, sidewall

**Light source:** 50.000h operational time, 6000K color temperature

**Luminous flux:** 591 lm

**Warranty:** 2-years repair warranty

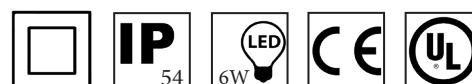
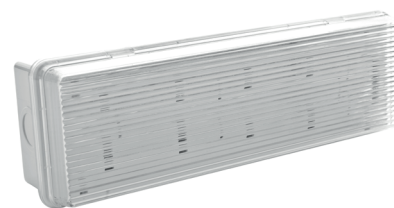
**Housing color and material:** White plastic

**Dimensions:** 315mm x 102mm x 74mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

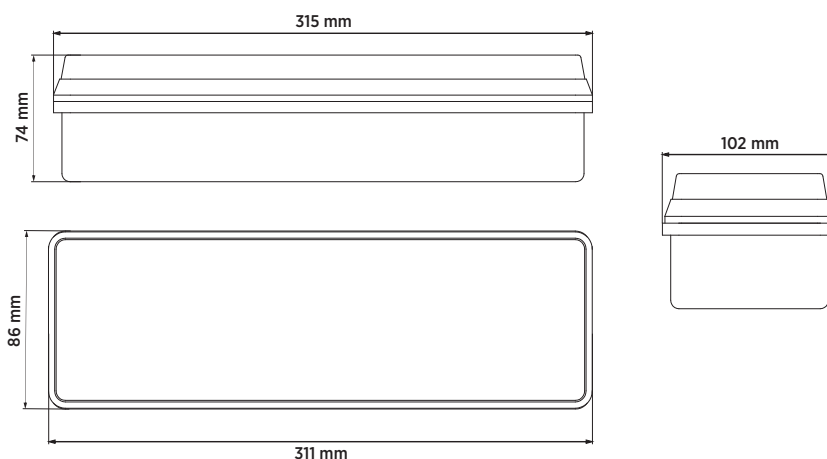
**Operating mode:** Non-maintained

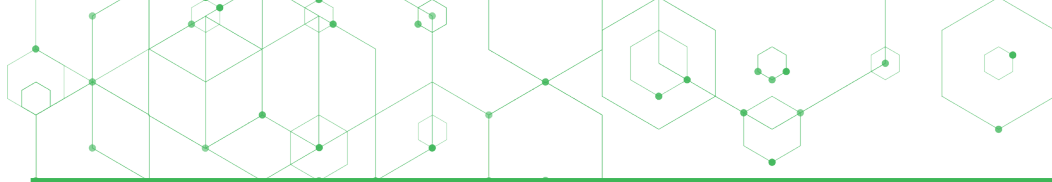
**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-616 Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-616 Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-616 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	31mA	-
EML-616 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	31mA	-
EML-616 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	235mA	-
EML-616 Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-616 Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-616 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-616 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-616 Slave/CB 24V	Addressable central battery	DC 24-32V	235mA	-
EML-616 Slave/CB	Addressable central battery	AC 120-240V	31mA	-
EML-616 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	31mA	-

LED safety light with IP54 protection for ceilings or sidewalls.





# EML-813

**Type:** LED emergency light

**Mounting:** Ceiling recessed, sidewall recessed

**Light source:** 50.000h operational time, 6000K color temperature

**Luminous flux:** 251 lm

**Warranty:** 2-years repair warranty

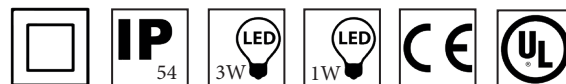
**Housing color and material:** White plastic

**Dimensions:** 343mm x 128mm x 74mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

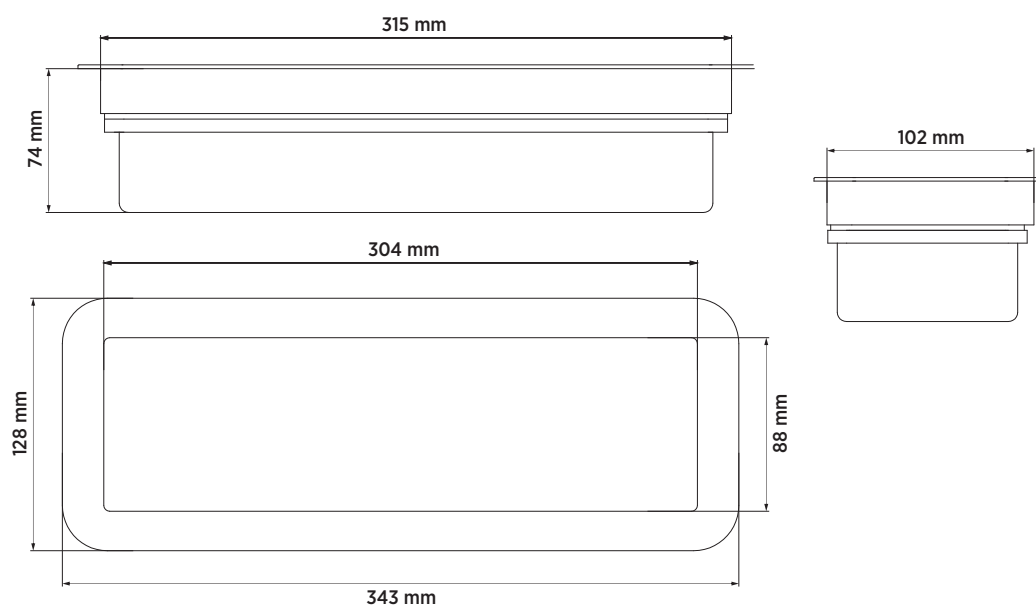
**Operating mode:** Non-maintained/maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-813 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 600mA 1 h
EML-813 Slave/Con/MB	Conventional main battery	AC 120-240V	32mA	NIMH 1600mA 3 h
EML-813 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 600mA 1 h
EML-813 Slave/MB	Addressable main battery	AC 120-240V	32mA	NIMH 1600mA 3 h
EML-813 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 600mA 1 h
EML-813 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	32mA	NIMH 2400mA 3 h

LED safety light with IP54 protection, can be mounted into suspended ceiling.  
Maintained function with the built-in 1W LED.



# EML-816

**Type:** LED emergency light

**Mounting:** Ceiling recessed, sidewall recessed

**Light source:** 50.000h operational time, 6000K color temperature

**Luminous flux:** 591 lm

**Warranty:** 2-years repair warranty

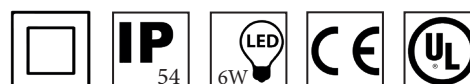
**Housing color and material:** White plastic

**Dimensions:** 343mm x 128mm x 74mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

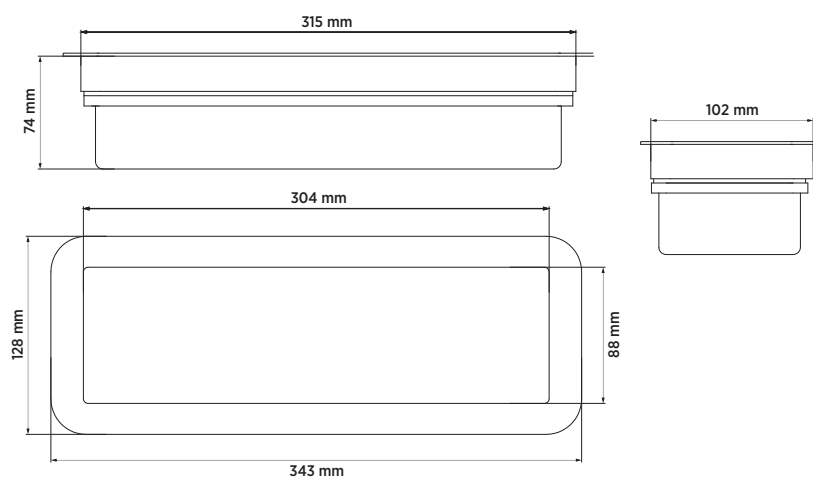
**Operating mode:** Non-maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



Product name	System type	Main supply	Input current	Battery type/time
EML-816 Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-816 Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-816 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	31mA	-
EML-816 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	31mA	-
EML-816 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	235mA	-
EML-816 Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-816 Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-816 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-816 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-816 Slave/CB 24V	Addressable central battery	DC 24-32V	235mA	-
EML-816 Slave/CB	Addressable central battery	AC 120-240V	31mA	-
EML-816 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	31mA	-

LED safety light with IP54 protection, can be mounted into suspended ceiling.





# EML-6016

**Type:** Emergency luminaire

**Mounting:** Ceiling, sidewall

**Light source:** 50.000h operational time, 6000K color temperature

**Luminous flux:** 604 lm

**Warranty:** 2-years repair warranty

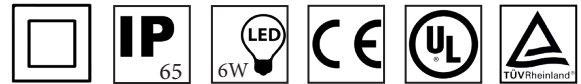
**Housing color and material:** White plastic

**Dimensions:** 337mm x 170mm x 62mm

**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire

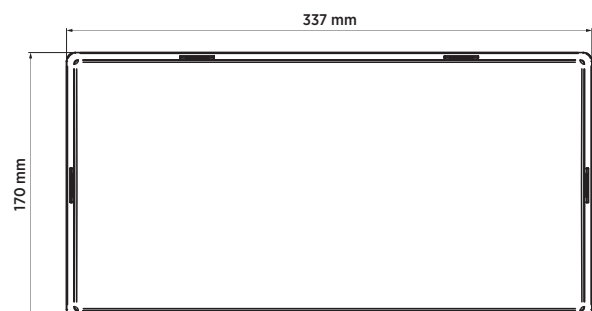
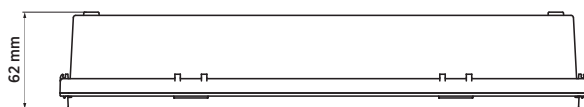
**Operating mode:** Non-maintained

**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C



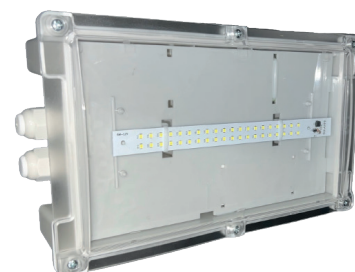
Product name	System type	Main supply	Input current	Battery type/time
EML-6016 Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-6016 Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-6016 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	31mA	-
EML-6016 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	31mA	-
EML-6016 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	235mA	-
EML-6016 Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-6016 Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-6016 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-6016 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-6016 Slave/CB 24V	Addressable central battery	DC 24-32V	235mA	-
EML-6016 Slave/CB	Addressable central battery	AC 120-240V	31mA	-
EML-6016 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	31mA	-

Thanks to IP65 protection it is suitable in dry and wet locations (rest room, basement, garage, etc.) and for outdoor use as well.



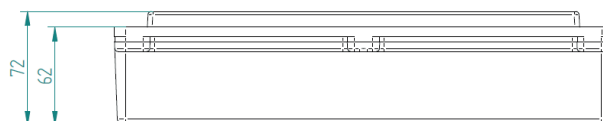
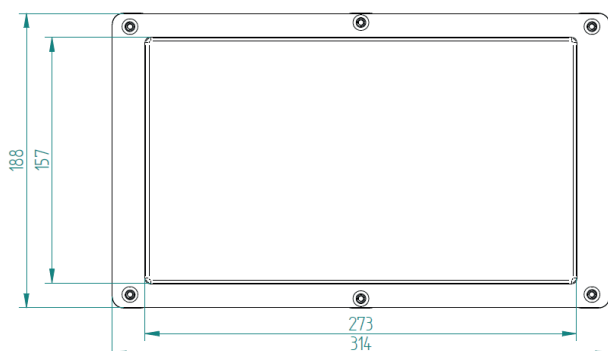
# EML-8016

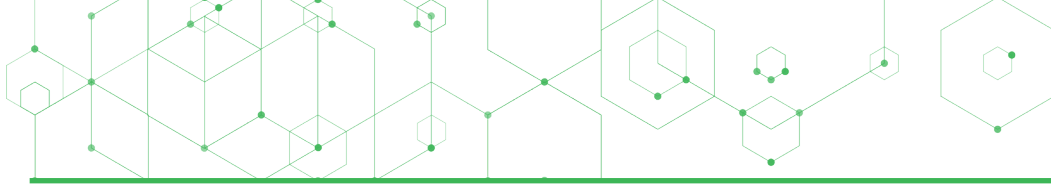
**Type:** Explosion-proof LED emergency luminaire  
**Mounting:** Ceiling, sidewall  
**Light source:** 50.000h operational time, 6000K color temperature  
**Luminous flux:** 591 lm  
**Warranty:** 2-years repair warranty  
**Housing color and material:** White plastic  
**Class:** Zone 2  
**Dimensions:** 314mm x 188mm x 72mm  
**Cable connection:** Max. 2.5mm<sup>2</sup> cross-section solid or sleeved twisted wire  
**Operating mode:** Non-maintained  
**Constant nominal ambient temperature range:** 0°C < T<sub>a</sub> < 45°C














Product name	System type	Main supply	Input current	Battery type/time
EML-8016 Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-8016 Slave/Con/MB	Conventional main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-8016 Slave/Con/CB ACAC	Conventional central battery	AC 120-240V	31mA	-
EML-8016 Slave/Con/CB ACDC	Conventional central battery	AC/DC 120-240V	31mA	-
EML-8016 Slave/Con/CB/24V	Conventional central battery	DC 24-32V	235mA	-
EML-8016 Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-8016 Slave/MB	Addressable main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-8016 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 600mA 1 h
EML-8016 Slave/RF/MB	Addressable wireless main battery	AC 120-240V	21mA	NIMH 2400mA 3 h
EML-8016 Slave/CB 24V	Addressable central battery	DC 24-32V	235mA	-
EML-8016 Slave/CB	Addressable central battery	AC 120-240V	31mA	-
EML-8016 Slave/CB AC-DC	Addressable central battery	AC/DC 120-240V	31mA	-

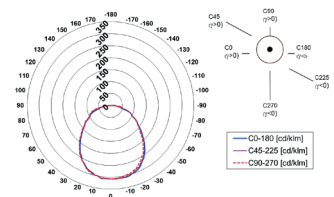
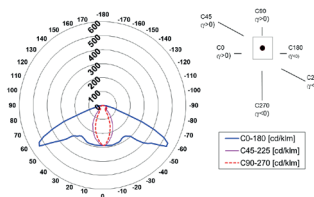
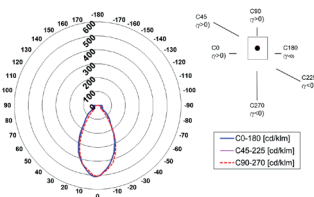
The CL-8016 is an explosion-proof LED emergency light, designed for Zone 2 hazardous areas. Thanks to IP65 protection it is suitable in dry and wet locations (rest room, basement, garage, etc.) and for outdoor use as well.














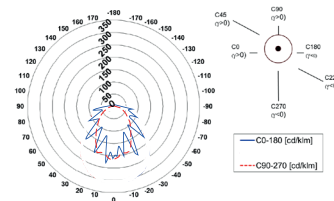
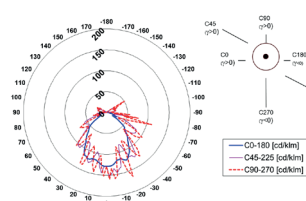
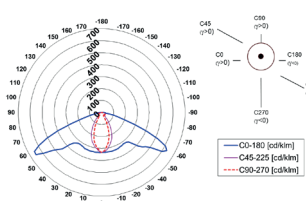


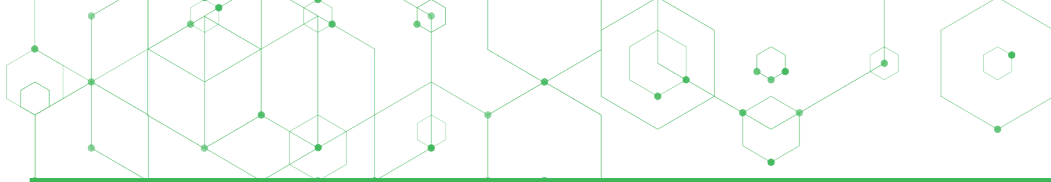
		EML 313 R (314 lm)							EML 313C F (329 lm)							EML-4014R (377 lm)							
Luminaire																							
Mounting height (m)		2,5	3	4	6	8	10	15	2,5	3	4	6	8	10	15	2,5	3	4	6	8	10	15	
Escape route min 1 lux	Transverse mounting		6,47	7,4	9,05	10,73	11,49	12,03	9,51	13,12	14,9	18,02	22,53	21,75	15,35	0	10,06	10,73	11,97	13,3	13,77	13,33	0
	Transverse mounting		2,92	3,27	3,68	4,03	4,15	3,77	0	5,87	6,62	7,77	8,06	4,66	1,84	0	4,13	4,35	4,75	5,01	4,51	2,63	0
	Axial mounting		5,81	5,77	7,12	9,55	10,84	11,69	9,36	5,99	5,71	4,77	6,18	6,9	6,63	0	10,03	10,74	11,97	13,24	13,72	13,23	0
	Axial mounting		2,34	2,69	3,31	3,95	4,23	3,96	0	1,51	1,73	2,13	2,49	2,18	0,68	0	4,11	4,32	4,76	4,89	4,36	2,28	0
Open (anti-panic) area min 0.5 lux	Transverse mounting		6,79	8,18	10,01	13,25	14,88	15,83	17,28	14,56	16,59	20,31	26,53	31,02	31,86	19,89	12,52	13,45	14,8	17,24	18,63	19,35	18,25
	Transverse mounting		3,01	3,63	4,48	5,33	5,65	5,89	4,95	6,6	7,48	9,03	11,32	12,23	7,71	0	5,08	5,45	6,08	6,8	7,08	6,92	0
	Axial mounting		6,45	7,76	7,82	10,6	13,07	14,56	16,73	7,93	8,52	8,26	6,9	8,44	9,45	8,81	12,73	13,52	14,79	17,22	18,57	19,27	18,1
	Axial mounting		2,41	2,9	3,65	4,83	5,5	5,89	5,36	3	2,93	2,36	3,15	3,5	3,4	0	5,04	5,42	6,04	6,67	6,92	6,72	0











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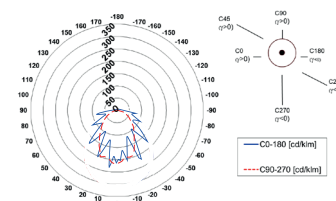
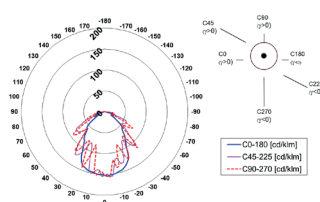


		EML-4014F (388 lm)							EML-613 (294 lm)							EML-616 (591 lm)							
Luminaire																							
Mounting height (m)		2,5	3	4	6	8	10	15	2,5	3	4	6	8	10	15	2,5	3	4	6	8	10	15	
Escape route min 1 lux	Transverse mounting		14,18	16,02	19,08	23,91	24,74	18,34	4,61	7,43	8,38	9,71	10,58	10,68	8,29	0	9,71	10,48	11,55	13,29	14,17	14,84	0
			6,29	6,99	8,25	8,38	5,55	3,62	0	3,27	3,55	3,73	3,8	2,07	0	0	3,92	4,23	4,52	5,08	5,17	4,66	0
	Axial mounting		5,8	5,48	4,84	6,44	7,35	7,4	1,83	9,37	10,09	11,19	11,56	10,27	6,18	0	11,43	12,8	14,81	13,91	16,46	15,74	0
			1,6	1,72	2,13	2,53	2,45	1,5	0	4,14	4,52	3,78	2,99	1,65	0	0	4,9	5,4	4,78	5,96	4,7	2,76	0
Open (anti-panic) area min 0.5 lux	Transverse mounting		15,98	17,92	21,87	27,98	32,96	36,23	23,87	8,52	9,52	11,46	14,03	14,76	15,04	9,75	10,41	12,3	14,24	17,01	18,16	19,34	20,87
			7,15	8,07	9,59	11,99	13	8,88	3,24	3,75	4,23	4,91	5,37	5,4	4,99	0	4,38	5,24	5,77	6,64	7,08	7,42	5,85
	Axial mounting		8,46	8,49	7,79	7,19	8,79	9,93	10,35	10,87	12,13	14,41	16,3	15,86	15,34	5,66	12,22	14,58	17,51	21,29	19,12	21,52	19,24
			2,9	2,77	2,35	3,15	3,55	3,68	1,34	4,55	5,26	6,23	5,56	4,28	2,51	0	5,37	6,4	7,4	6,95	8,23	8,97	3,7

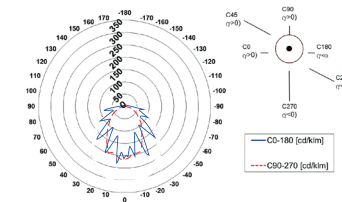
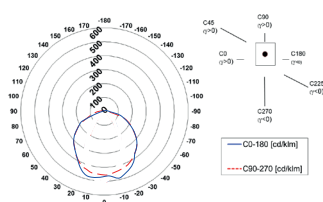




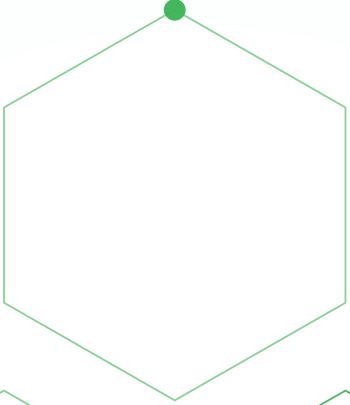
			EML-813 (251 lm)							EML-816 (591 lm)						
Luminaire																
Mounting height (m)			2,5	3	4	6	8	10	15	2,5	3	4	6	8	10	15
Escape route min 1 lux	Transverse mounting		7,28	8,18	9,58	10,37	10,53	10,44	0	9,71	10,48	11,55	13,29	14,17	14,84	0
			3,17	3,47	3,6	3,71	3,38	0	0	3,92	4,23	4,52	5,08	5,17	4,66	0
	Axial mounting		9,29	10,44	11,61	11,47	9,39	5,58	0	11,43	12,8	14,81	13,91	16,46	15,74	0
			4,16	3,53	4,11	3,65	2,26	0	0	4,9	5,4	4,78	5,96	4,7	2,76	0
Open (anti-panic) area min 0.5 lux	Transverse mounting		8,44	9,37	11,22	11,88	14,37	14,99	12,65	10,41	12,3	14,24	17,01	18,16	19,34	20,87
			3,66	4,11	4,8	5,2	5,32	5,28	0	4,38	5,24	5,77	6,64	7,08	7,42	5,85
	Axial mounting		10,5	11,97	14,27	16,44	15,72	15,72	7,7	12,22	14,58	17,51	21,29	19,12	21,52	19,24
			4,87	5,39	4,87	6,09	5,08	3,19	0	5,37	6,4	7,4	6,95	8,23	8,97	3,7



		EML-6016 (604 lm)							EML-8016 (591 lm)							
Luminaire																
Mounting height (m)		2,5	3	4	6	8	10	15	2,5	3	4	6	8	10	15	
Escape route min 1 lux	Transverse mounting		9,71	10,48	11,55	13,29	14,17	14,84	0	9,71	10,48	11,55	13,29	14,17	14,84	0
			3,92	4,23	4,52	5,08	5,17	4,66	0	3,92	4,23	4,52	5,08	5,17	4,66	0
	Axial mounting		11,43	12,8	14,81	13,91	16,46	15,74	0	11,43	12,8	14,81	13,91	16,46	15,74	0
			4,9	5,4	4,78	5,96	4,7	2,76	0	4,9	5,4	4,78	5,96	4,7	2,76	0
Open (anti-panic) area min 0.5 lux	Transverse mounting		10,41	12,3	14,24	17,01	18,16	19,34	20,87	10,41	12,3	14,24	17,01	18,16	19,34	20,87
			4,38	5,24	5,77	6,64	7,08	7,42	5,85	4,38	5,24	5,77	6,64	7,08	7,42	5,85
	Axial mounting		12,22	14,58	17,51	21,29	19,12	21,52	19,24	12,22	14,58	17,51	21,29	19,12	21,52	19,24
			5,37	6,4	7,4	6,95	8,23	8,97	3,7	5,37	6,4	7,4	6,95	8,23	8,97	3,7







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