

SPARK SGN LED



IP40

INSTALLATION AND MAINTENANCE MANUAL **EN**

MOUNTING TYPE

W1 – back to the wall

For other mounting types see: „Mounting kits” in product data sheet

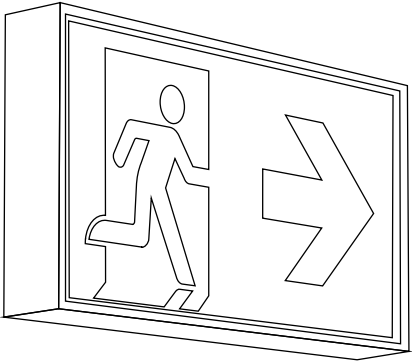
SYSTEM VARIANT

CB – luminaire supplied from HVCBS (230V AC/216V DC), without address module

CBAM – luminaire supplied from the HVCBS (230V AC/216V DC), with built-in address module and operating mode selection.

LV – luminaire supplied with 24V DC

LVAM – luminaire supplied with 24V DC from the LVDBS system, with built-in address module and operating mode selection



TECHNICAL DATA

Supply voltage	CB	230V AC 50/60Hz 80–275V DC
	CBAM	230V AC 50/60Hz 170–275V DC
	LV/LVAM	10–32V DC
Ingress protection		IP40
Protection class	CB/CBAM	I
	LV/LVAM	III
Light source type		LED strip ¹⁾

Light source temperature		5000K
Colour rendering index		70
Light source supply power		2W
Light source lifespan		> 50 000h
Ambient temperature range	CB/CBAM	-10 – +55°C
	LV/LVAM	-25 – +60°C
Supply cable cross-section area		0,5 – 2,5mm ²
Suitable for through wiring		TAK

¹⁾ Non-exchangeable but serviceable light source; ²⁾ TE – extended temperature range

SAFETY

- During the installation and usage of emergency luminaires, follow the national safety rules as well as generally accepted technical rules
- Supply voltage should never be removed from the permanent phase by any external switches, relays or contactors (BMS, wall switch, etc.)
- During usage of emergency luminaires keep a register of inspection reports
- Luminaire installation or maintenance has to be preceded by turning off the power supply and battery
- Ensure that all foreign bodies are removed before the luminaire power is switched on
- The luminaire is to be used undamaged and in accordance with specifications

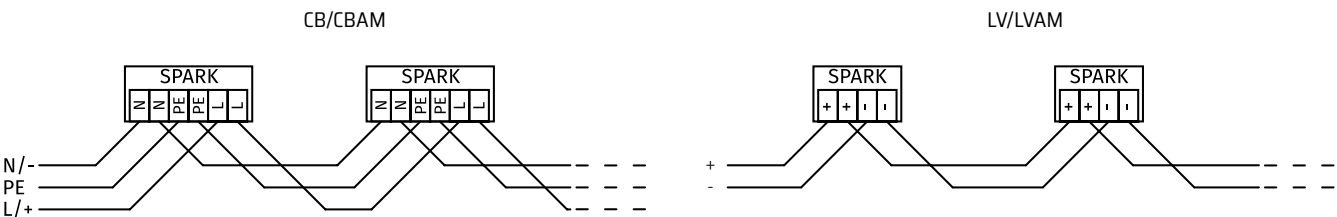
The above-mentioned luminaire is a fire protection equipment and therefore falls within relevant standards and regulations.



NOT OBEYING THE SAFETY INSTRUCTIONS AND RECOMMENDATIONS CAN CAUSE LIFE THREAT OR EVEN DEATH

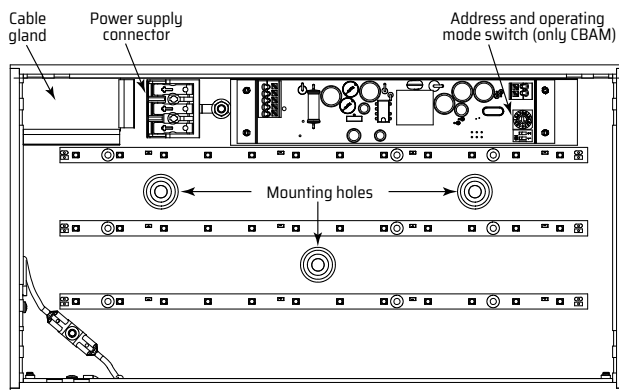
Not obeying this instruction manual can result in luminaire damage and loss of warranty

WIRING DIAGRAM

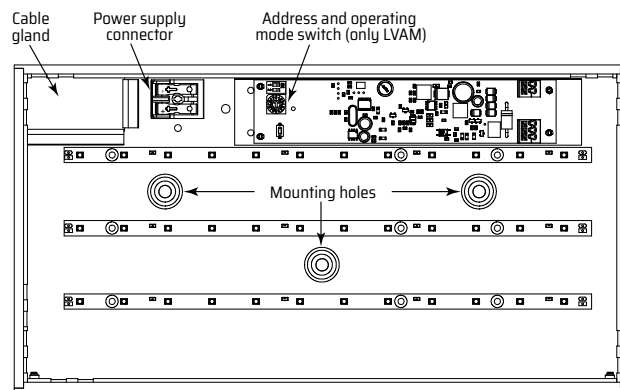


LUMINAIRE CONSTRUCTION

CB/CBAM

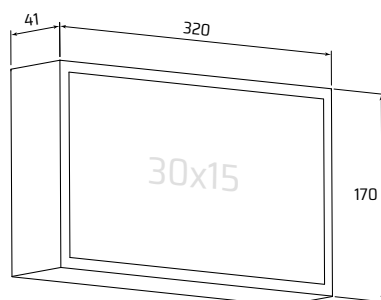


LV/LVAM

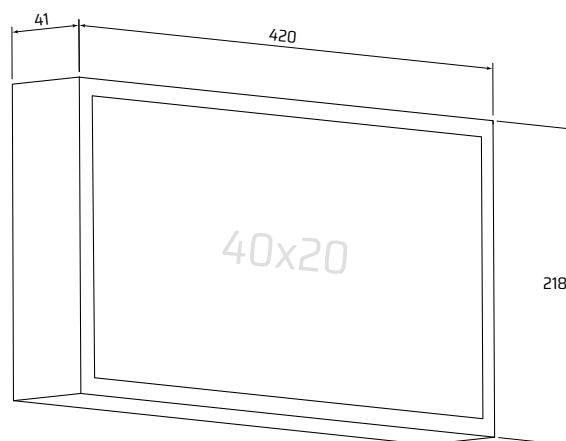


DIMENSIONS (mm)

30x15

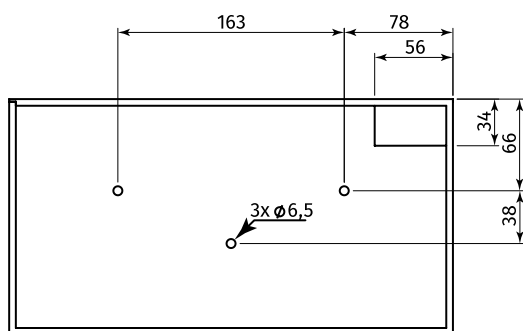


40x20

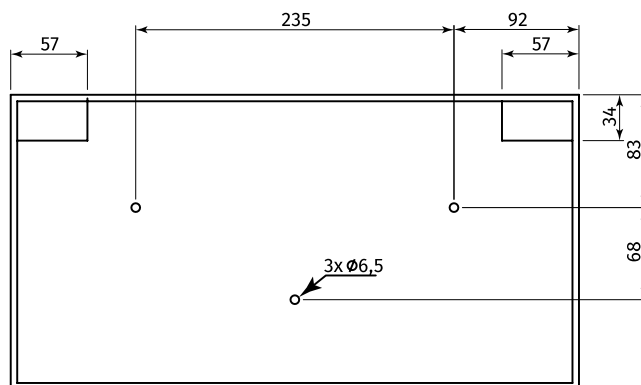


MOUNTING DIMENSIONS (mm)

30x15



40x20

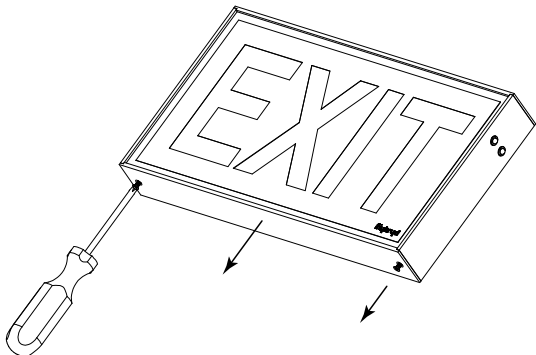


**BEFORE ANY INSTALLATION OR MAINTENANCE WORK IS PERFORMED ON THE LUMINAIRE
THE POWER SUPPLY SHOULD BE DISCONNECTED**

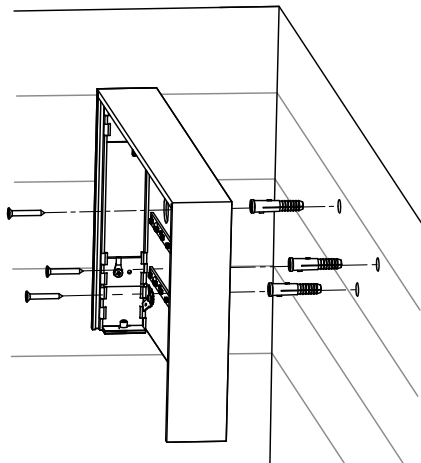
All installation and maintenance procedures can be performed only by qualified,
properly trained and if appropriate, certified staff

INSTALLATION

1. Unpack the luminaire after transport and verify its condition.
2. Drill holes in wall according to luminaire mounting hole spacing, so that power cables can be pushed freely into the luminaire through the cable glands. Use dowels or screws, appropriate for the material luminaire is being mounted to.
3. Unscrew the two M3 screws fixing the bottom part of luminaire and remove it, at the same time, remove the plate with pictogram and then screw the part back on to facilitate assembly.

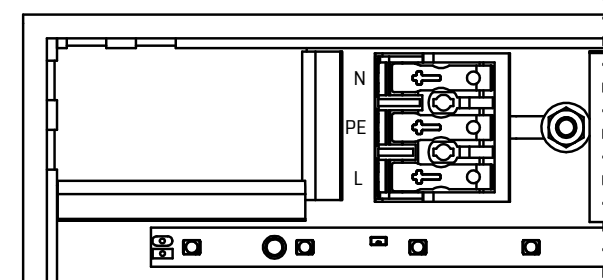


4. Carry out the power cable through the cable gland in luminaire. Screw the luminaire to the wall using mounting holes.

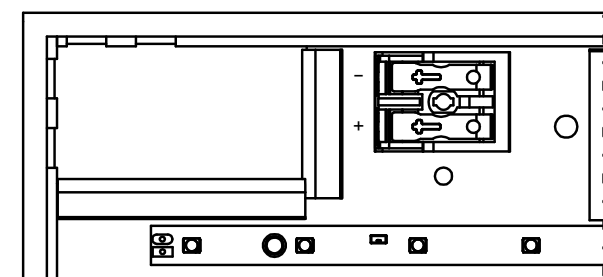


5. Connect the power supply cables according to the appropriate wiring diagrams, strip 7-8mm of wire copper insulation. Cables should be carefully arranged so that no shadow is present on pictogram. Pay special attention to the luminaire supply voltage!

CB/CBAM

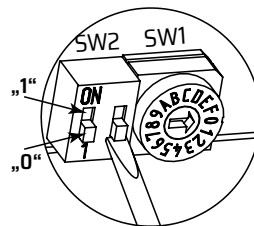
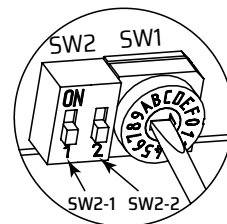


LV/LVAM

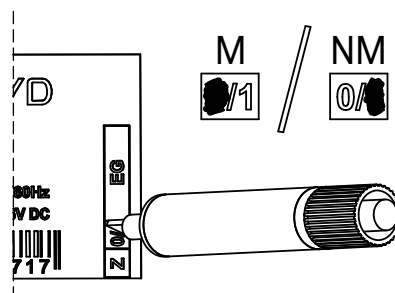


6. In case of luminaires with built-in address module:
 - a. set luminaire address using the rotary switch SW1 and second slider of SW2 switch (SW2-2). Setting the SW2-2 position to „1” means adding 10 to the address, according to the table below.

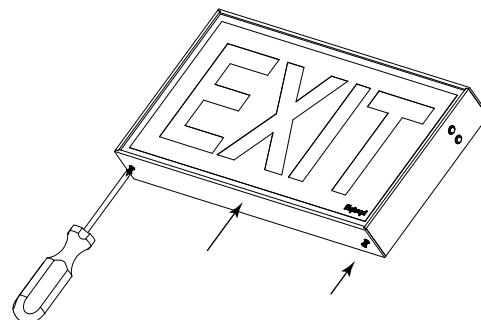
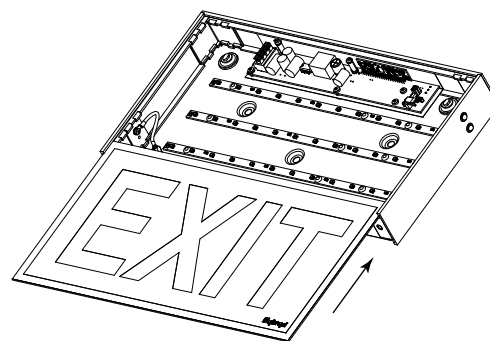
SW2-2	SW1	Address	SW2-2	SW1	Address
0	1	1	1	1	11
0	2	2	1	2	12
0	3	3	1	3	13
0	4	4	1	4	14
0	5	5	1	5	15
0	6	6	1	6	16
0	7	7	1	7	17
0	8	8	1	8	18
0	9	9	1	9	19
0	A	10	1	A	20



- b. using the first slider of SW2 switch (SW2-1) select the operating mode. Position „1” – maintained (M), position „0” – non-maintained (NM).
7. Mark the operating mode on the luminaire label. Mark **0** for maintained mode (M) and **1** for non-maintained mode (NM).



8. Unscrew the bottom part of luminaire, fold down. Insert the plate with pictogram. Screw the bottom part of luminaire back.



9. Perform the commissioning procedure.

COMMISSIONING

After all installation procedures are finished, luminaire operation needs to be verified.

Follow the instructions below:

1. Switch the luminaire power supply on the HVCBS or LVDBS system.
2. For luminaires without built-in address module (CB, LV):
 - a. Leave luminaire operating and verify light source should be operating.
 - b. Turn off luminaire power supply.
3. For luminaires with built-in address module (CBAM, LVAM):
 - a. Configure the HVCBS/LVDBS system.
 - b. Configure HVCBS/LVDBS circuit as maintained and if required, switch between maintained and non-maintained luminaire operating mode (see luminaire control on previous pages).
 - c. Run the functional test on HVCBS/LVDBS system.
 - d. Verify luminaire operation. The light source should operate properly.
 - e. Verify if the HVCBS/LVDBS system reports proper luminaire operation.

MAINTENANCE

Luminaire should be cleaned with a damp cloth according to building maintenance plan.

Do not use abrasive cleaners, solvents, substances and cleaning agents containing alcohol to clean the lampshade.

The light source used in this luminaire may only be replaced by the manufacturer, his service agent or a similar qualified person.

STORAGE

The luminaire should be stored no longer than 6 months from the date of purchase, in a dry place with an ambient temperature range -10 – +30°C.

WARRANTY

Warranty is valid and enforceable only when manufacturer's recommendations are preserved, and the installation and usage are proper.

Warranty is granted for a period of 12 months from the date of sale, unless the luminaire has been sold under different contract conditions.

The warranty is excluded in case of misuse, unsuitable use, wrong connection or mechanical defects of the luminaire caused by the client.