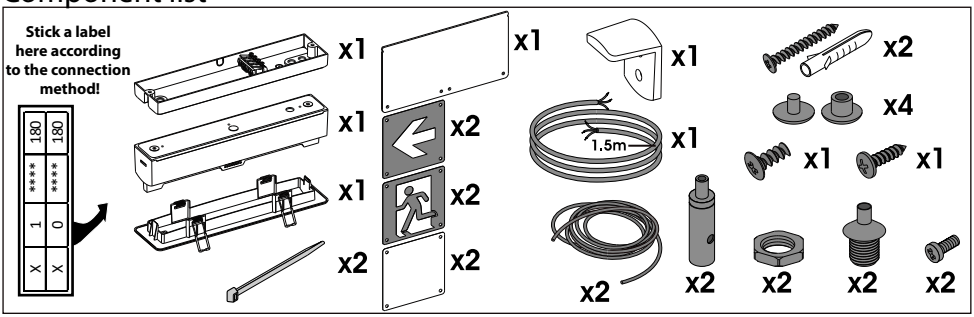
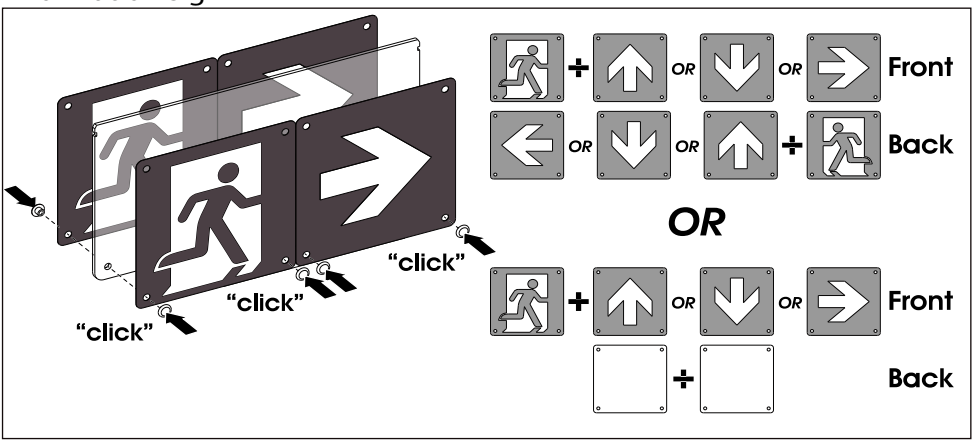
IP20 220-240V 50/60Hz

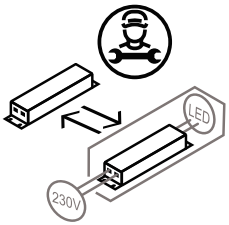
Component list

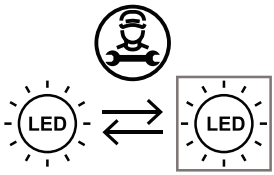


Information sign



Installation can only be carried out by an authorized person and according to the mounting instructions. Any other installation is considered to be improper. For well installation and good luminaire work is necessary ensure a planarity of a mounting surface. Make sure that the luminaire is always disconnected from the power supply before the installation work. Do not use the luminaire if damaged or if damaged the power cable. Only damp microfiber cloth can be used for cleaning. Technical changes are subjected without notice. Do not dispose the luminaire or its parts as household waste, but make the proper recycling.



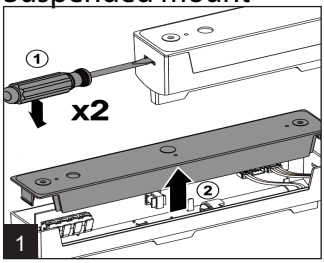


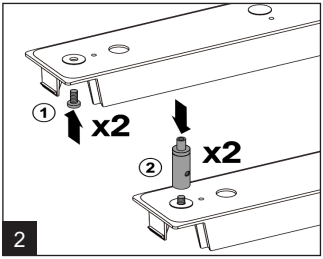


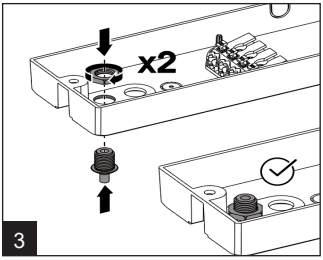
The light source in this luminaire may be replaced only by the manufacturer or its contractual service technician or similarly qualified person!

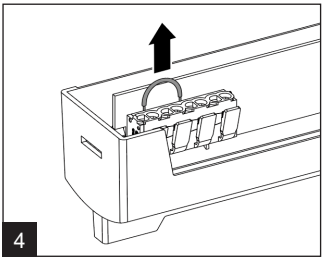
IP20 220-240V 50/60Hz

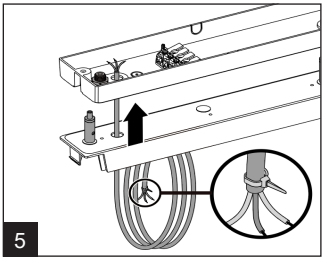
Suspended mount

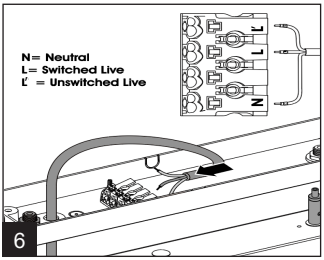


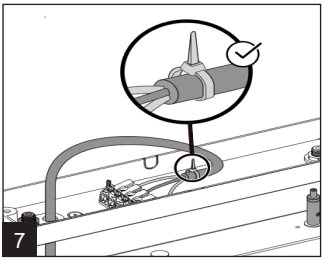


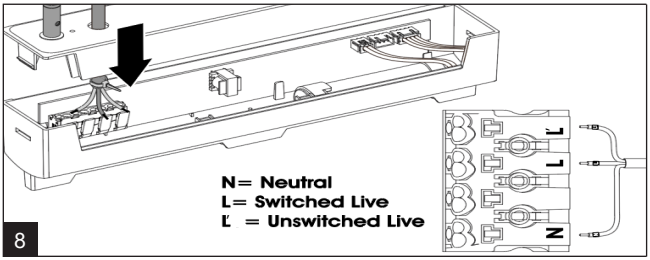


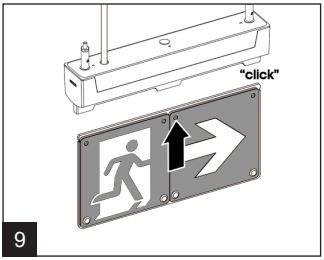


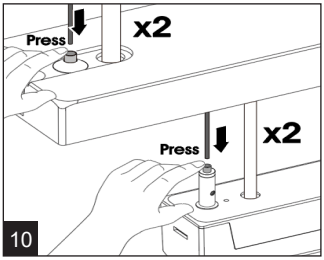


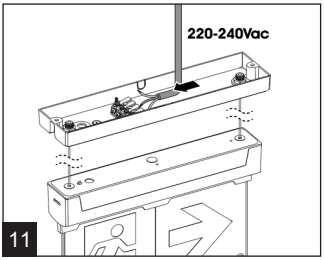


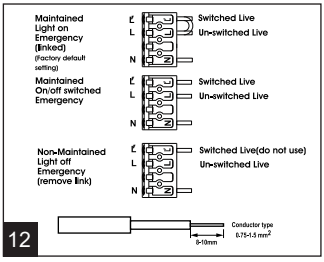


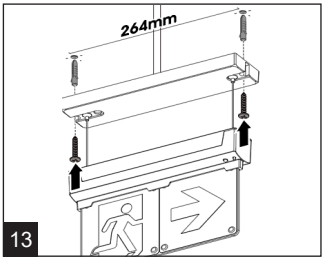


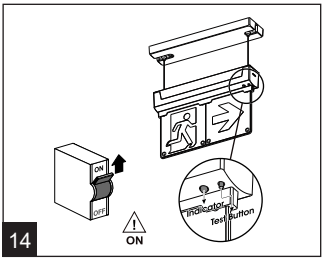






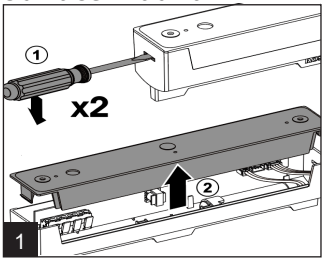


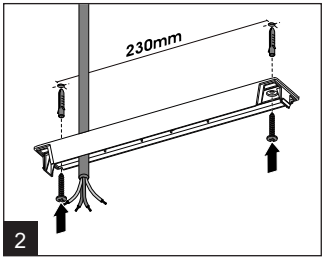


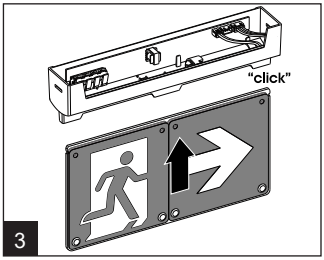


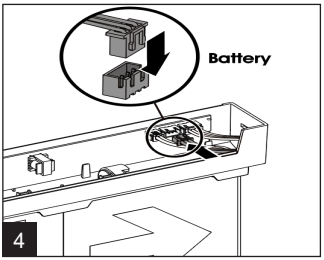
IP20 220-240V 50/60Hz

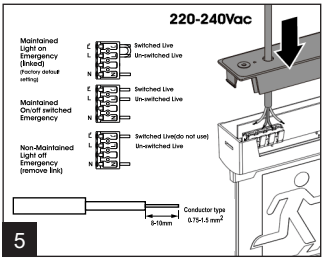
Surface mount

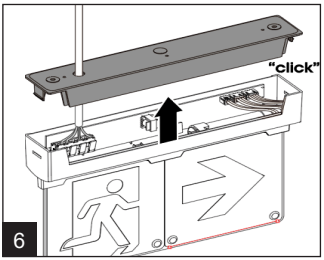


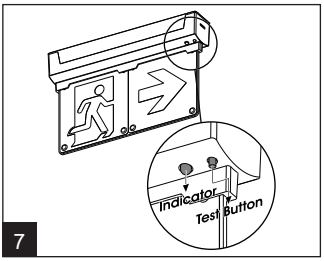


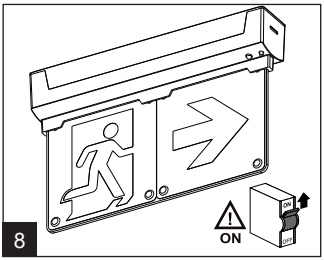






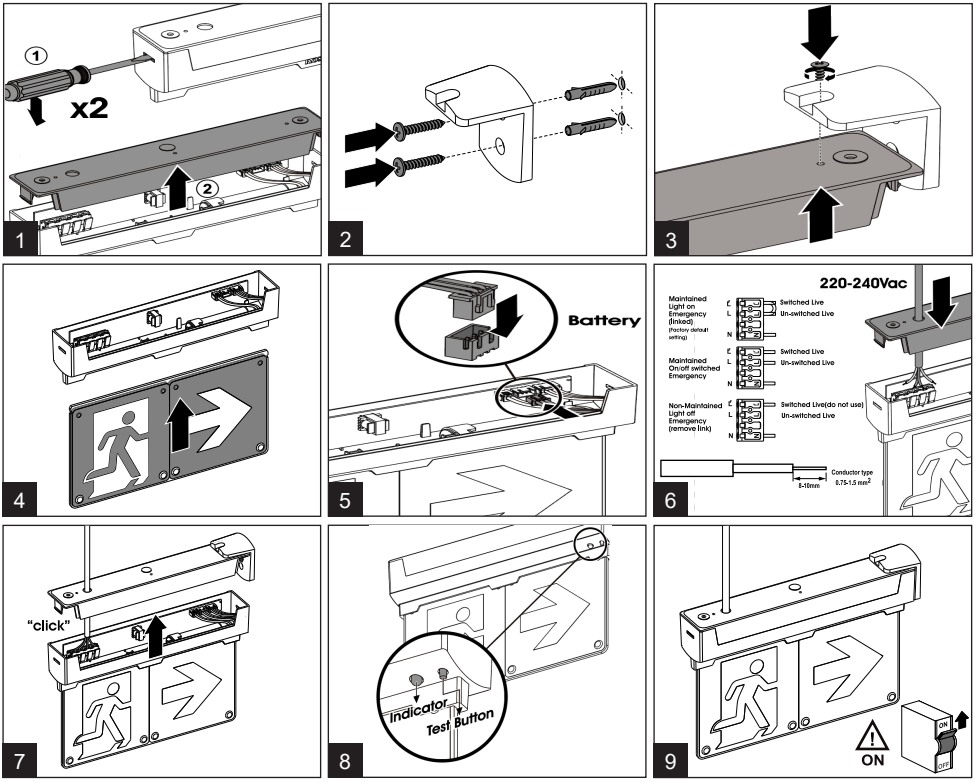






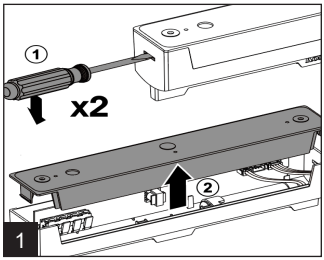
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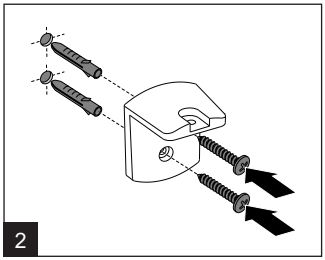
Side wall mount

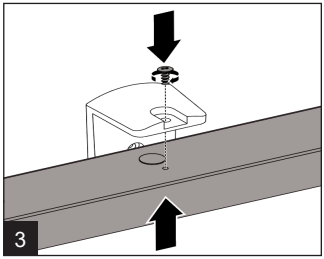


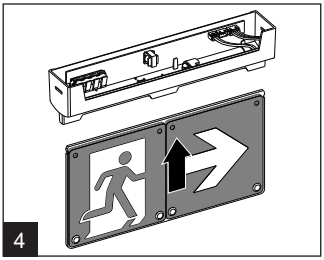
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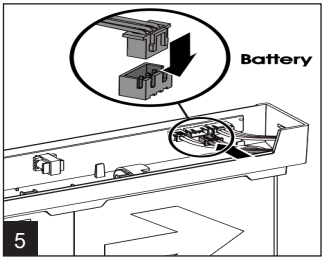
Wall mount

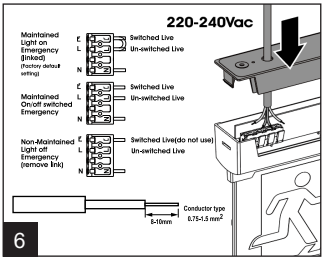


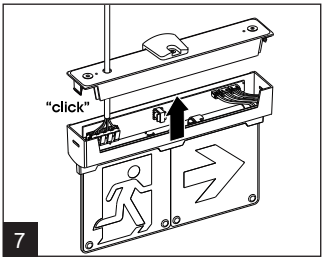


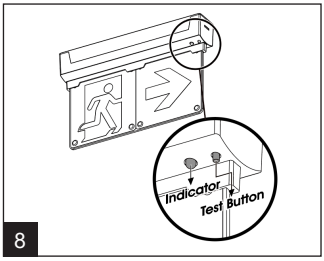


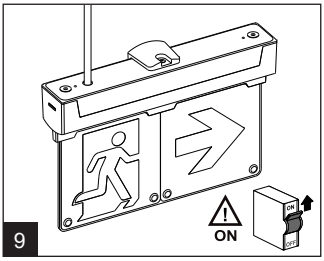






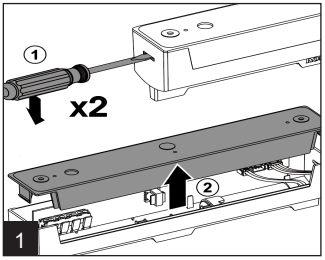


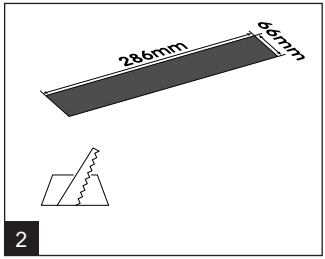


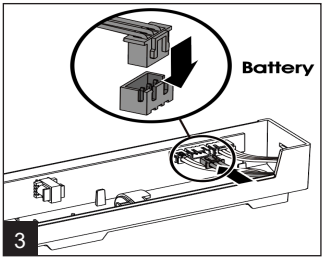


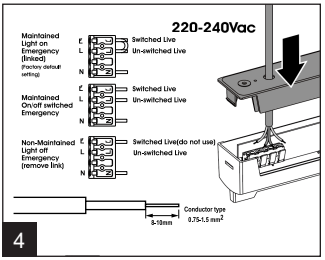
IP20 220-240V 50/60Hz

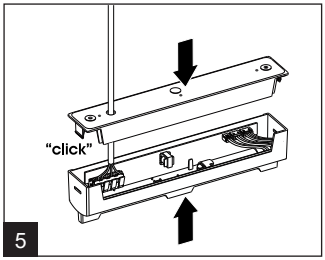
Recessed mount

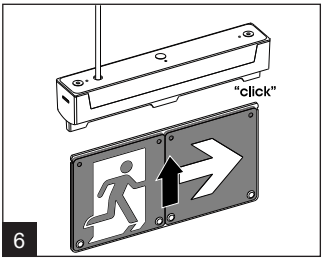


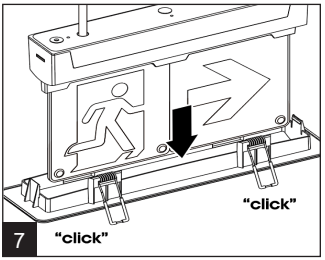


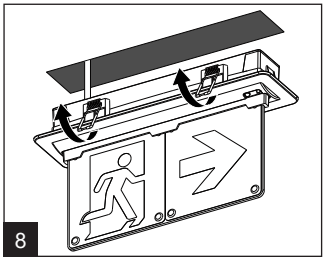


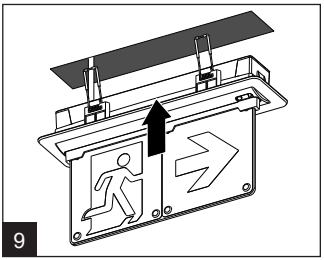


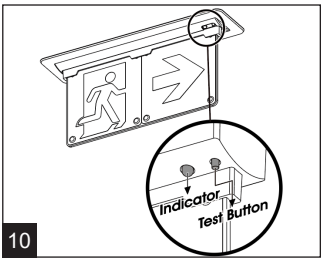


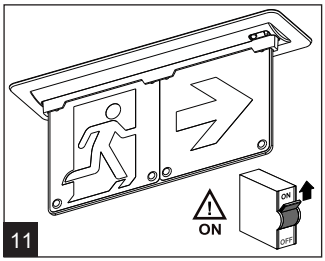














TECHNICAL SPECIFICATIONS
- Power supply: 220–240VAC/50–60Hz
- Insulation class: II.
- Protection level: IP20
- Emergency operation time: 3 hours
- Battery charging time: up to 24h
- Maximum input current for power supply: 10A
- Observation distance: 24 m
- Ambient temperature : ta 0°C ÷ 40°C

MAIN FUNCTIONS:
- Battery charging indication via LED
- Electronic protection against total battery discharge
- Automatic test function (optional)
- Emergency or mains and emergency mode operation is available
- Indoor mounting on a flat surface
- The product is made of polycarbonate and plexiglass,
- Connection option for permanent and non-permanent emergency lighting

RECOMMENDATIONS FOR USE:

For correct and reliable operation, these rules must be followed:
The battery must be compatible with emergency modules. The product should be assembled by a person authorized to do such work. A technical inspection of the product, and especially the battery, must be carried out once a year. It is important to observe the temperature parameters for battery packs. It is forbidden to make any changes to the electronic system. If the product does not last its stated operating time, the battery must be replaced. The light source contained in this luminaire may only be replaced by the manufacturer, its service agent or a similarly qualified person.

MANUFACTURER'S INSTRUCTIONS ON THE INSTALLATION PROCEDURE:
Recommended power cable cross-section: 0.75 - 1.5 mm2
When connecting the battery, ensure that its polarity is correct "+" and "-". First, you must connect the battery to the inverter, and only then connect the mains power and check if the control LED lights up green.

WARRANTY TERMS AND CONDITIONS:
The condition for the recognition of the warranty is:
- No mechanical damage
- No evidence of changes made by a third party to the design of the product and in particular the emergency module
- Correct use as recommended
- Correct connection of the supply voltage and battery

PRODUCT TESTING:
Automatic testing:
- The test is started automatically when the luminaire is first put into operation.
- The functional test is started automatically every 7 days.
- The endurance test is started automatically once every 52 weeks.
- Any errors during the test will be indicated by the control LED
- The functional test cannot be started if the endurance test is scheduled or in the process of being tested.



Manual testing

Manual functional test:

Press the manual test button for 1-2 seconds. A manual functional test lasting <2 minutes. It starts immediately.

Manual duration test:

Press the manual test button for 5-10 seconds. A manual duration test will occur at a random pont between 0 and 24 hours after pressing the button. Time will be added to allow the battery to charge if the battery has been charging less than 24 hours.

Pending Duration Tests

The duration test may be delayed by other events. Such as a power outage that interrupts the test or charging period, in which case the green LED will flash to indicate a pending duration test that the emergency module has rescheduled until charging is complete.

Lamp or Luminaire error

- Turn off the supply and replace or correct the fault with the lamp or luminaire, and then reconnect the supply.
- Press the manual test button for 1-2 seconds. A manual functional test lasting <2 minutes will start immediately to clear the fault.
- Alternatively press the manual test button for 5-10 seconds. A manual duration test will occur at a random point between 0 and 24 hours after pressing the manual test button for 5-10 seconds. Time will be added to allow the battery to charge if the battery has been charging less than 24 hours. The fault LED indication is overridden, during the pending and testing period.
- If the battery and power have been disconnected the module will re-commission and automatically test the replacement.
- A functional test will not override Battery Duration Fault. A full duration test or re-commissioning is required to clear such fault.

Battery charging or duration fault

Turn off the un-switched supply to the emergency module and replace the battery, and then reconnect the supply. In the fault was because the battery was not connected, the unswitched supply must still be turned off whe nonnecting the battery to clear the battery charging fault. To clear a battery duration fault after replacing the battery a duration test wil lneed to be successfully completed, see duration test procedure.

LED indicator function

LED indication		Description	Status
		Green Permanently On	System Healthy
		Permanently OFF	Emergency Mode: Mains failure or mains disconnected
		Green Slow Flash (0.5s on-0.5s off)	Duration Test Pending
		Green Medium Flash (0.25s on-0.25s off)	Duration Test Running
		Green Fast Flash (0.125s on-0.125s off)	Functional Test Running
		Red Permanently On	Battery Charging Fault
		Red Medium Flash (0.25s on-0.25s off)	Battery Duration Fault
		Red Fast Flash (0.125s on-0.125s off)	Lamp or Luminaire Fault
		OFF 1s then Red Stay On 5s	26 Weeks Duration Test Interval
		OFF 1s then Red Fast Flash 5s (0.125s on-0.125s off)	52 Weeks Duration Test Interval
		OFF 1s then Green/Red Fast Flash 5s (0.125s on-0.125s off)	Self-test mode
		Green Fast Flash Twice (0.1s on - 0.1s off) then off 1s	Inhibit Mode Activated

Button function

	1-2s	Press 1-2s	Manual functional test
	5-10s	Press 5-10s	Manual duration test
	< 1s	Press <1s	Confirm the current duration test interval
	< 1s	Double press <1s	Set the duration test interval
	< 1s	Double press <1s during emergency mode	Rest mode activated
	< 2s	Triple press <2s	Set test mode (Standard/Self-test)

Table for customer's records of the course of tests and service life of emergency module of light fitting.

Type:		Date of installation:				Installation point:					
Month	Test	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
		Date	Signature	Date	Signature	Date	Signature	Date	Signature	Date	Signature
1	Function										
2	Function										
3	Function										
4	Function										
5	Function										
6	Function										
7	Function										
8	Function										
9	Function										
10	Function										
11	Function										
12	Function										