SeqLED ER

Dimensional Drawings:

158mm

60,4mm

195mm

158mm

195mm

Without Decorative Bezel
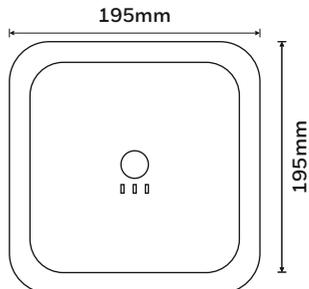
With Decorative Bezel

Installation:
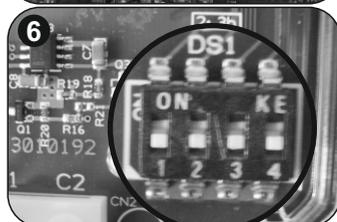
Step 1: Detach the front cover by applying pressure using a flat blade screw driver.

Step 2: Unfasten the four retaining screws without removing them and remove the diffusor.
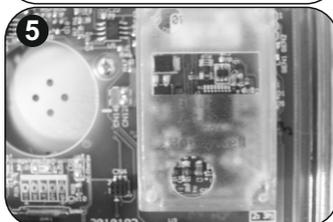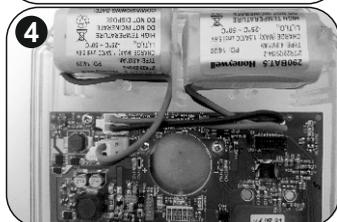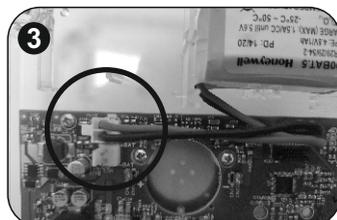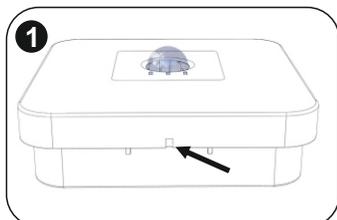
Step 3: Connect the battery cable to its respective connector on the PCB.

Step 4: For accomplishing 8h autonomous light, an extra battery is required (Part No. 290BAT.5). Follow Step 1 - 3 and connect the battery cable to the 2nd connector on the PCB.

Step 5: In case you use a module connect it on the PCB.

Step 6: The user can select one of the 3 available minimum autonomy durations: 1 hour, 3 hours and 8 hours. The selection must be done while the luminaire is disconnected from AC and battery supplies. The selection is achieved through Switches 2 & 3 of DS1 according to image above. Switch 1 and 4 are not used. Two additional labels are included in the package, one for 3 hours duration (180) and one for 8 hour duration (480). Depending on the selected duration, the installer must cover the default 1 hour (60) printing with one that has the required duration.
Please take notice of the orientation of the label.

1h
(default position)   3h   8h

MOUNTING METHODS
Mounting in Suspended Ceiling

❶

❷

C2 C1 PE N L

❸

❹

C2 C1 PE N L

❻

Required opening 14.5x14.5cm
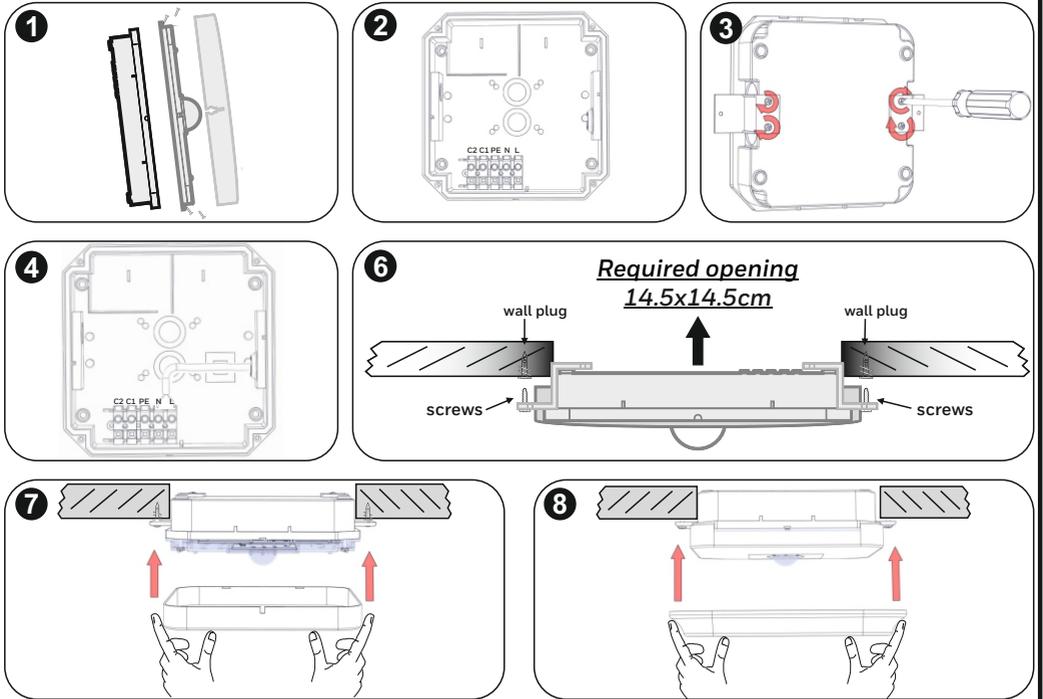
wall plug | wall plug
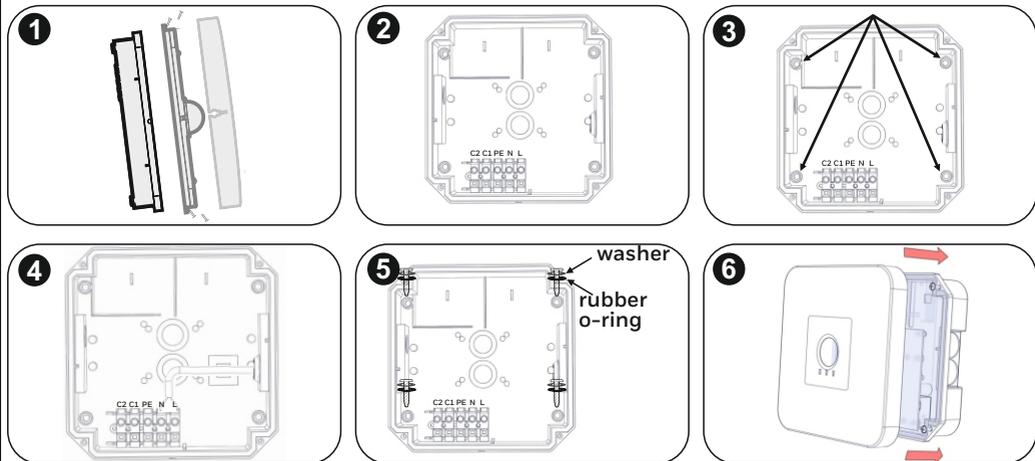
screws | screws

❼

❽

INSTALLATION

Step 1: Detach the front cover by applying pressure using a flat blade screw driver. Next, unfasten the four retaining screws without removing them and remove the diffusor.

Step 2: Install the supplied cable gasket from the inside of the plastic base.

Step 3: Install the two plastic brackets with the four screws and mark the positions of the mounting holes on the brackets. Next, install the two supplied plaster board plugs by screwing them on the plaster board ceiling.

Step 4: Open a cable entry cutout hole on the plastic base and install the supplied cable gasket. Make a hole in the center into the desired gasket by using a small screwdriver and pass the round cable through the gasket. Connect the main cables to the respective terminal block: N for neutral, L for live wire and PE for ground wire. Install the included tie (if needed) to fasten securely the power cables. The **C1** and **C2** terminals are used for elBus communication (optional), DALI communication (optional) or voltage free contact (optional). Always use in any case round mains cable, with a diameter of 5-10mm (H05RN-F type 2x1mm² or any other type, at least equal to it's mechanical and electrical properties). ATTENTION!! The cable must not be deformed in any way (This requirement is important to ensure the IP rating).

Step 5: Re-install the diffusor and fasten the four retaining screws that was removed in **step 1.**

Step 6: Use the supplied screws to fasten the luminaire to the plaster board plugs that were previously **(Step 3)** installed on the plaster board ceiling.

Step 7: Refit the front cover that was removed in **step 1.**

Step 8: Finally, install the supplied decorative bezel. The notch on the bezel must be located on the left side of the luminaire.

MOUNTING METHODS
Surface mounting on the wall

washer

rubber o-ring

INSTALLATION

Step 1: Detach the front cover by applying pressure using a flat blade screw driver. Next, unfasten the four retaining screws without removing them and remove the diffusor.

Step 2: Install the supplied cable gasket from the inside of the plastic base.

Step 3: Use a drill with a 3,5mm bit to open the 4 mounting holes located in the plastic base. Place the luminaire on the desired mounting location and mark and drill these 4 holes. Fit the supplied 4 plastic mounting plugs to these drilled holes on the mounting location.

Step 4: Open a cable entry cutout hole on the plastic base and install the supplied cable gasket. Make a hole in the center into the desired gasket by using a small screwdriver and pass the round cable through the gasket. Connect the main cables to the respective terminal block: N for neutral, L for live wire and PE for ground wire. Install the included tie (if needed) to fasten securely the power cables. The **C1** and **C2** terminals are used for elBus communication (optional), DALI communication (optional) or voltage free contact (optional). Always use in any case round mains cable, with a diameter of 5-10mm (H05RN-F type 2x1mm² or any other type, at least equal to it's mechanical and electrical properties). ATTENTION!! The cable must not be deformed in any way (This requirement is important to ensure the IP rating).

Step 5: Mount the base to the desired location by using the supplied screws, washers and o-rings in each mounting hole.

Step 6: Re-install the diffusor, fasten the four retaining screws and refit the front cover that was removed in **step 1.**

NOTE!! After finishing the installation you must power the luminaire for at least 24 hours in order to completely charge the battery. The rated autonomy duration can be achieved after that time.

Technical description	SeqLED ER NM ST LED 230V 138h	
Part no.:	138410	
Operation Voltage:	220-240V AC, 50-60 Hz	
Maximum Power Consumption:	4.8W / 5VA	
Battery ($Li_4Ti_5O_{12}$):	1h & 3h:4.8V / 1Ah	8h:2x4.8V / 1Ah
Battery Protection:	Overcharge protection / full discharge protection	
Charging Time:	16 hours	
Emergency Mode Duration:	1h / 3h / 8h manually selected (default 1h)	
Lumen output, normal:	–	
Lumen output, emergency:	1h: 280lm / 3h: 120lm / 8: 110lm	
Produced in accordance with:	EN 60598-1, EN 60598-2-22, EN 55015 EN 61547, EN 61000-3-2, EN 61000-3-3	
Ambient Temperature Range:	-25 to 40 °C	
Relative Humidity:	Up to 95%	
Degress of cover protection:	IP65	
Technical lifetime (light source):	> 100000 hours	
Weight:	538 gr	
Expected Battery Lifetime:	4 years	
Controlgear classification in accordance with IEC 62034: with automatic test function		
The controlgear is proof against supply voltage polarity reversal.		
The controlgear has mains-connected windings of transformer.		

Important notice when installing luminaires within the same area!!!
To avoid that luminaires perform their battery test at the same day, connect the battery packs with more than 1,5 minutes inbetween.

Note: *In case of battery replacement, this must be replaced with parts of the same type and characteristics. The replacement must be performed by the manufacturer or a competent person.*
Note: *If the supply cable of the luminaire is damaged, it shall exclusively be replaced by a competent person in order to avoid hazard.*

⚠ The light source contained in this luminary shall only be replaced by the manufacturer, or his agent, or a similar qualified person.

NOTE! The light source is non-user replaceable.

At the end of their useful life the packaging, product & batteries should be disposed of via a suitable recycling centre. Do not dispose of with your normal household waste. Do not burn.

CE

Indicator LEDs			Description
GREEN	RED	YELLOW	
On	Off	Off	Normal
Flashing	Off	Off	Charging (battery test not possible while charging)
Off	Off	Off	Mains off, battery not connected or charger fault
Off	Off	Flashing	Battery test
On	Off	On	Battery fault
Off	Flashing	Off	Light source test
On	On	Off	Light source fault
On	On	On	Battery fault and light source fault

LED Status explanation		
○ Off	◉ On	☀ Flashing

The SeqLED ER is a self-contained non-maintained luminaire with selftest function.

Selftest functions

Every 15 days the luminaire will perform an emergency operation test. This will light the light source for approximately 3 seconds. The red indicator LED will flash during this test sequence.
Every 6 months the luminaire will perform a battery capacity test. The test lasts for the selected autonomy. The light source will be lit and the yellow indicator LED will flash during this test sequence.

Note: When using DALI or Wireless communication, the frequencies and schedules for tests will instead be determined by the connected PC software.

Manual test functions

Manual tests can only be performed if both mains and battery are connected.

By activating the magnetic contact briefly (less than 5 seconds) an emergency operation test is performed. The light source will be lit for approximately 3 seconds, the red indicator LED will flash during this test sequence. The test will start only if the battery has enough charge.
By activating the magnetic contact for a time space between 5 and 10 seconds, a battery capacity test is performed. This test will last for 60 minutes and can only be performed when the battery is fully charged (steady green indicator LED). The exit sign will be lit and the yellow indicator LED will flash during this test sequence.

Resetting errors

Activate the magnetic contact for a time space between 10 and 15 seconds to delete all indicated errors. Then the luminaire enters regular operation mode.

Test and Faults Reset operations with the 290470 card (not included and available after request).

In order to activate an emergency operation test, you must place the card in front of the TEST indicator and remove it immediately.
In order to proceed to capacity test, you must place the card in front of TEST and hold it for 5 to 10 seconds.
To reset errors you must place the card in front of TEST by holding it for 10 to 15 seconds and removing it.