

**"COMFORT LIGHT" SERIES FOR NON-MAINTAINED/MAINTAINED  
EMERGENCY LUMINAIRES**



TECHNICAL CHARACTERISTICS	GR-408/12L	GR-409/12L
OPERATION VOLTAGE	220-240V AC/50-60Hz	
MAXIMUM POWER CONSUMPTION	2.5W /3VA	3W /3.5VA
BATTERIES (Ni-Cd)	3.6V/600mAh	3.6V/1Ah
BATTERY PROTECTION	From overcharge and full discharge	
INDICATIONS - CONTROLS	Battery charging LED, TEST button	
CHARGING TIME	24h	
MINIMUM AUTONOMOUS DURATION	90min	180min
ILLUMINATION SOURCE	12 white LED's	
EMERGENCY ILLUMINATION	85lm	
DEGREES OF COVER PROTECTION	IP 42	
PRODUCED IN ACCORDANCE WITH	EN 60598-1, EN 60598-2-22, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3	
OPERATION TEMPERATURE RANGE	0 to 40 °C	
RELATIVE HUMIDITY	Up to 95%	
CONSTRUCTION MATERIALS	Bayblend FR3010, transparent polycarbonate	
EXTERNAL DIMENSIONS	272 x 121 x 50 mm	
TYPICAL WEIGHT	500gr.	510gr.
GUARANTEE	3 years (1 year for the battery)	

Thank you for purchasing this product of Olympia Electronics. A European manufacturer.

### GENERAL

These luminaires are used indoors (ta 40°C) where emergency light is needed.

Each luminaire must be permanently connected to mains power supply.

In normal operation the battery is charging and the 2 yellow LED's light in the screen.

In case of a mains power supply failure the luminaire will light the led strip automatically in emergency mode. When the mains power supply is restored the device turns to normal operation.

### MAINTAINED / NON-MAINTAINED OPERATION

There is an option to select the maintained or non-maintained operation by placing the jumper to the appropriate place according to step 8 (page 4).

### INSTALLATION

To install the luminaire follow the installation instructions on page 4.

### ATTENTION!!!

1. Operations for installation, maintainance or testing must be done by authorized personel only.

2. The device must be connected to the mains power supply thru a fuse dependent by the total amount of the line's power load.

3. It is sugested to check every month the indication LED for battery charging, and by pushing the TEST button to check the emergency circuit. The led strip should: a) light with bigger intensity as long as the TEST button is pressed (maintained operation), b) light as long as the TEST button is pressed (non-maintained operation). If the luminaire doesn't work as described above contact the installer.

4. It is sugested to check every 6 months the minimum autononous duration by disconnecting the mains power supply. Count the time that the led strip lights and in case of less time than the minimum autonomous duration the battery must be replaced. If the measured time is considerably less than the minimum autonomous duration contact the installer. In case of battery or led strip replacement, these must be replaced by parts of the same type, by the manufacturer or by a competent person.

5. In case of inactive use for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.

6. **It is not allowed to discard batteries in to common trash bins, they must be discarded only in battery recycling points. Do not incinerate.**



### **MARKING PANEL SP-115**

A marking panel SP-115 can be installed on the luminaire in 3 different locations. This marking panel is installed perpendicular to the diffusor of the luminaire, as shown in the pictures below.

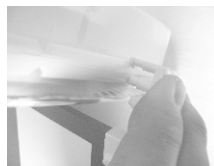
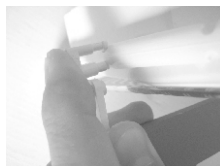
The panel is pre-printed and has a plastic accessory on each side that is used to fasten the panel to the luminaires.

There are 2 arrow stickers that can be placed in each side of the marking panel to point to the desired direction.

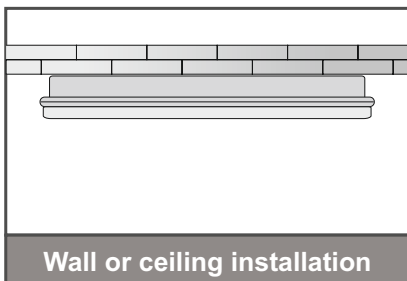


### **Placing the SP-115 marking panel**

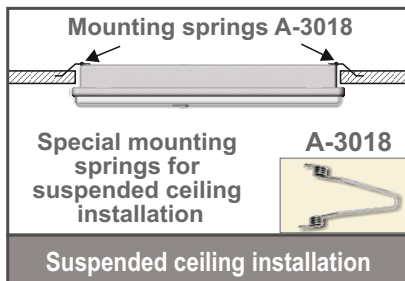
Place the plastic mounting accessories of the marking panel as shown in pictures.



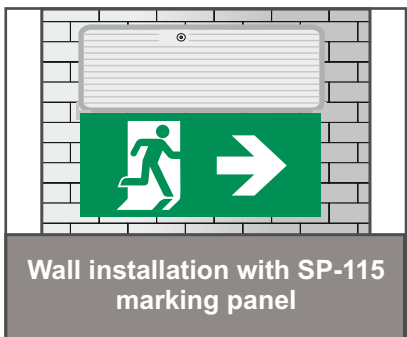
## **Installation methods**



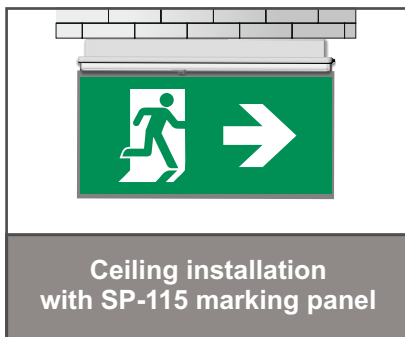
**Wall or ceiling installation**



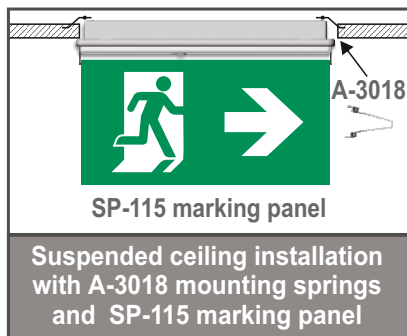
**Suspended ceiling installation**



**Wall installation with SP-115 marking panel**



**Ceiling installation with SP-115 marking panel**



**Suspended ceiling installation with A-3018 mounting springs and SP-115 marking panel**

## Mounting methods

All luminaires, can be mounted either surface or in suspended ceilings.

### Suspended ceiling installation.

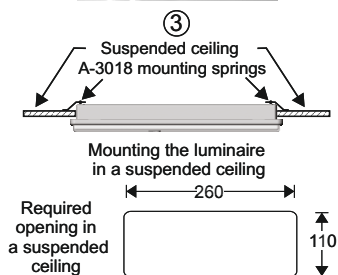
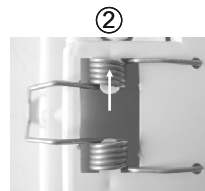
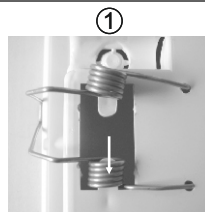
On the bottom of the base plastic of the luminaire there are two **H** shaped cut outs. These are used to install the A-3018 mounting springs.

1. With a sharp tool remove the appropriate plastic pieces to fit the mounting springs. First place the edges of the mounting spring to the respective holes and install the one end of the coil to the support axis.

2. Install the other end of the coil to the other support axis.

3. Bend the springs and place the luminaire to the respective suspended ceiling's hole.

*The luminaire's placement to the suspended ceiling must be done after the connection with power supply cables.*



**NOTE:** LED= Light Emitting Diode

### LABELING EXPLANATION:

**X:** Self contained

**0:** Non Maintained (\*)

**A:** Including test device

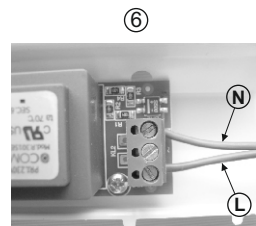
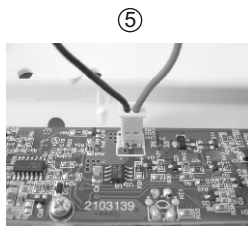
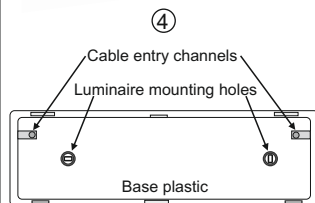
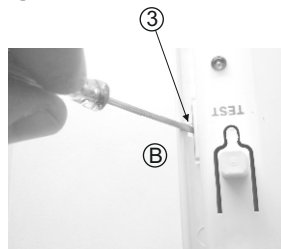
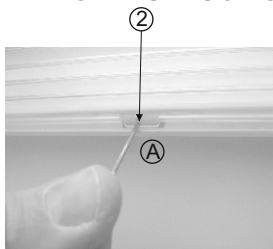
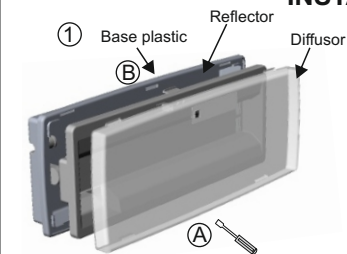
**\*90:** 1.5 hour duration

**180:** 3 hour duration

(\*) Non-Maintained operation: The luminaire lights its illumination source, only in power supply's failure.

Maintained operation: The luminaire lights its illumination source, when it is powered by the mains power supply or not.

## INSTALLATION INSTRUCTIONS



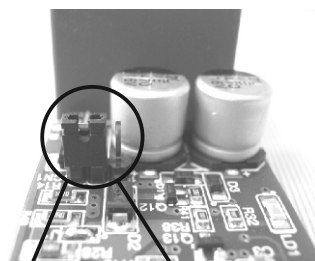
- ① To install the luminaire you must dismantle it to 3 parts.
- ② Place a flat blade screwdriver in the area **A** to release the diffuser's plastic hook.
- ③ Place a flat blade screwdriver in the area **B** to release the reflector's plastic hook.
- ④ Use the included mounting parts to mount the base plastic. Pass the mains cable thru a cable entry channel. The luminaire must be connected to a permanent electrical installation to ensure the immobilization of the cable.
- ⑤ Place the battery's connector to the corresponding connector on the P.C.B.
- ⑥ Connect the mains cables to the respective detachable terminal block. **N for neutral** and **L for live wire**.
- ⑦ Refit the removed parts in steps 2 and 3 (mind the correct orientation) and the luminaire is ready to operate.



### 8. MAINTAINED/NON-MAINTAINED OPERATION JUMPER SELECTION

You can choose the luminaire's operation.

When the jumper is installed (by default) on the middle and left pins you select *non-maintained operation*. When the jumper is installed on the middle and right pins you select *maintained operation*.

**NOTE!!** After finishing the installation you must power the device at least for 24 hours for battery charging to perform the named autonomy.



 Non-maintained operation
  Maintained operation

### Battery replacement.

*It can be done only by a competent person and after the mains interruption.*

1. Follow the step 2 and 3 of the installation procedure.
2. Disconnect the connector and remove the old battery.
3. Connect the new battery with the same type (step 5 of the installation procedure) and place it in the position of the old one.
4. Follow the step 7 of the installation procedure and power the device.