



for a safer world



# NON MAINTAINED EMERGENCY LUMINAIRES WITH WHITE LEDs

## TECHNICAL CHARACTERISTICS (for LED MODULE Specs. see page 4)

	GR-391/L	GR-393/L
OPERATION VOLTAGE	220-240V AC/50-60Hz	
MAXIMUM POWER CONSUMPTION	2.5W/ 3VA	4W/ 4.3VA
BATTERIES (Ni-Cd)	3.6V/1.5Ah	3.6V/3Ah
BATTERY PROTECTION	From overcharge and deep discharge	
INDICATIONS - CONTROLS	Battery charging LED, TEST button	
CHARGING TIME	24h	
MINIMUM AUTONOMOUS DURATION	90 min	180 min
ILLUMINATION SOURCE	2X16 LED	
EMERGENCY ILLUMINATION	270lm	
DEGREES OF COVER PROTECTION	IP40	
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	5 to 40 °C	
RELATIVE HUMIDITY	Up to 95%	
CONSTRUCTION MATERIALS	ABS/PC, PC	
EXTERNAL DIMENSIONS	350 x 134 x 60 mm (CRV 362 x 134 x 90 mm)	
TYPICAL WEIGHT	940gr (CRV 1020gr)	1030gr (CRV 1110gr)
GUARANTEE	3 years (1 year for the battery)	

**Congratulations for your selection to buy this product.  
Olympia Electronics - European manufacturers.**

### 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 each side of 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.

### INSTALLATION

To install the luminaire follow the installation instructions on page 3.

### ATTENTION!!!

1. Operations for installation, maintenance or testing must be done by authorized personnel only.

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

3. It is suggested to check every month the indication LED for battery charging, and by

pushing the TEST button to check the emergency circuit. The lamp should light as long as the TEST button is pressed. In the opposite condition contact the installer.

4. It is suggested to check every 6 months the minimum autonomous 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.**



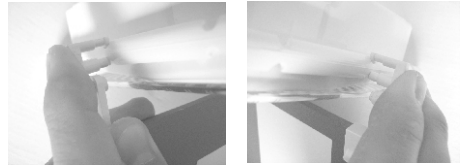
## MARKING PANEL SP-114

A marking panel SP-114 can be installed on the luminaire in 3 different locations. This marking panel is installed perpendicular to the diffuser of the luminaire, as shown on 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.



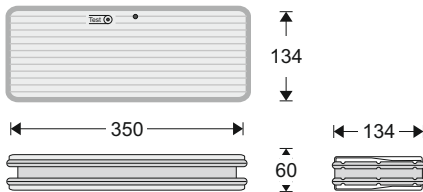
## Placing the SP-114 marking panel

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

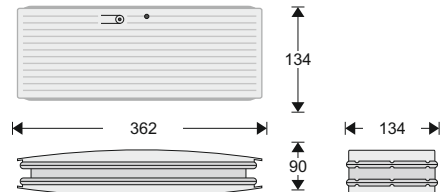


**NOTE!!** This marking panel (SP type) can not be installed on CRV luminaires.

*Double Easy Light luminaires*

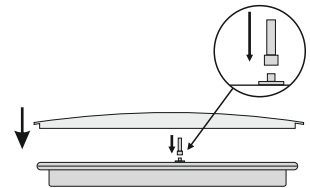


*Double Easy Light/CRV luminaires*



## PLACING A-CRV PARTS

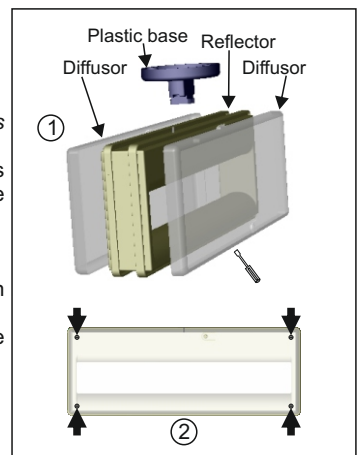
To install the curve crystal **A-CRV** you must first install the included plastic extension to mount it on the TEST button.



## Battery replacement.

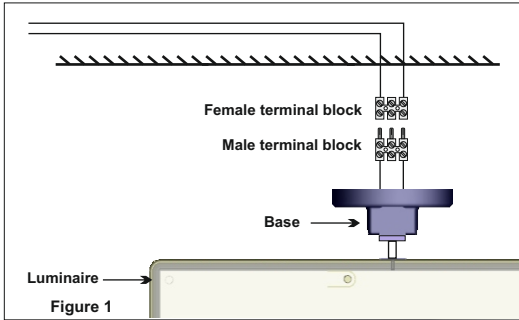
*It can be done only by a competent person and after the mains interruption.*

1. Turn the luminaire anti-clockwise and detach it from its mounting base. Use a flat blade screwdriver and remove the diffusers.
2. Unfasten the reflector's retaining screws.
3. Disconnect the connector and remove the old battery.
4. Connect the new battery with the same type and place it in the position of the old one.
5. Replace the removed parts (step 1 and 2) and power the device.

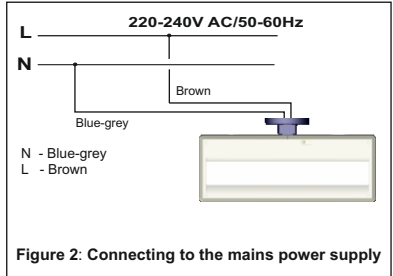


# INSTALLATION INSTRUCTIONS

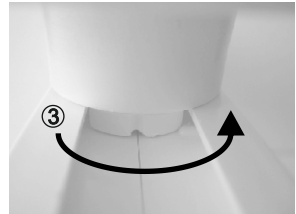
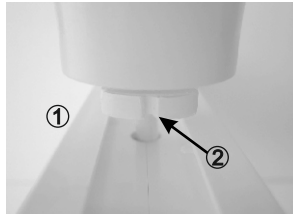
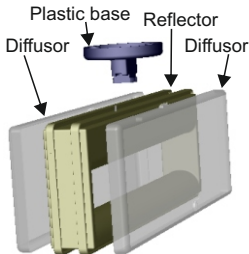
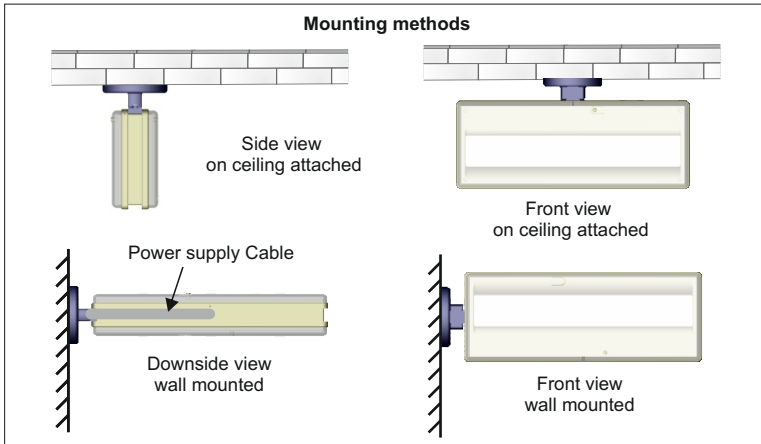
## Connecting the terminal block



## Connecting to the mains power supply

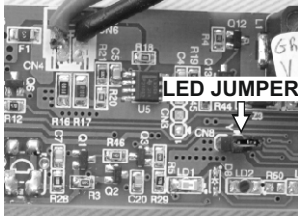


## Mounting methods



- ① Pass through the central hole of the plastic base the luminaire's cables and connect them to the included terminal block (figure 1). **N for neutral, L for live wire.**
- ② Use the included mounting accessories to install the plastic base (*install the notch, facing the required direction of the luminaire*) and follow the mounting methods on the wall or ceiling.
- ③ Install the luminaire to the plastic base by turning it clockwise by 90° and then power it, with the mains power supply.

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



**NOTE!! If you don't need the yellow leds to light in normal operation, then remove the led jumper.**

**NOTE: LED= Light Emitting Diode LABELING EXPLANATION:**

- X:** Self contained
- 0:** Non Maintained (\*)
- A:** Including test device
- G:** Internally illuminated
- \*90:** 1.5 hour duration
- 180:** 3 hour duration

Note!! The installer should fill in, on the specification label, the letter **G** if the luminaire is used as a safety sign.

↓  

X	0	A	G	*	9	0
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(\* 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.



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

*NOTE! The light source is non-user replaceable.*

**WARRANTY**

Olympia Electronics guarantees the quality, condition and operation of the goods. The period of warranty is specified in the official catalogue of Olympia Electronics and also in the technical leaflet, which accompanies each product. This warranty ceases to exist if the buyer does not follow the technical instructions included in official documents given by Olympia Electronics or if the buyer modifies the goods provided or has any repairs or re-setting done by a third party, unless Olympia Electronics has fully agreed to them in writing. Products that have been damaged can be returned to the premises of our company for repair or replacement, as long as the warranty period is valid. Olympia Electronics reserves the right to repair or to replace the returned goods and to or not charge the buyer depending on the reason of defection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.

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LED MODULE CHARACTERISTICS		
	GR-391/L	GR-393/L
Manufacturer	Olympia Electronics S.A	
Model Number	1410133	
Voltage Range	11.6 - 14.4V DC	
Nominal Power	2W	
Connections	Non reversible cable connection between main pcb and led module	
Temperature (tc)	47 °C max. across the board	