

# NON MAINTAINED / MAINTAINED EMERGENCY LUMINAIRES



## TECHNICAL CHARACTERISTICS *(for led module specifications see page 2)*

	GR-8/leds	GR-9/leds
OPERATION VOLTAGE	220-240VAC/50-60Hz	
MAXIMUM POWER CONSUMPTION	2.7W/3VA	3W/3.5VA
BATTERIES (Ni-Cd)	3.6V/0.6Ah	3.6V/1Ah
INDICATIONS - CONTROLS	Battery charge indication LEDs, TEST button	
CHARGING TIME	24 h	
MINIMUM AUTONOMOUS DURATION	1.5 h	3 h
ILLUMINATION SOURCE	12 white LEDs	
ILLUMINATION (230V AC / emergency)	40lm / 100lm	38lm / 100lm
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	5 to 40 °C	
RELATIVE HUMIDITY	Up to 95%	
CONSTRUCTION MATERIALS	Bayblend FR3010, transparent polycarbonate	
EXTERNAL DIMENSIONS	240 x 90 x 44 mm	
TYPICAL WEIGHT	345gr.	350gr.
GUARANTEE	3 years (1 year for the battery)	

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### GENERAL

These luminaires are used indoors (ta 40°C) on the wall, where emergency light is needed. Each luminaire must be permanently connected to mains power supply. In normal operation the illumination LEDs are lit as well as the green indicating charge LEDs, when the battery is charging.

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.

**Non Maintained / maintained operation** there is an option to select the non maintained or maintained operation by placing the jumper to the appropriate place according to the figure 3 (see page 2).

### INSTALLATION

To install the luminaire follow the installation instructions on page 2.

### ATTENTION!!!

- Operations for installation, maintenance or testing must be done by authorized personnel only.
- The device must be connected to the mains power supply through a fuse dependent by the total amount of the line's power load.
- 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 led strip should light as long as the TEST button is pressed. If the luminaire doesn't work as described above 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 nominal autonomy, the battery must be replaced. If the measured time is considerably less than the nominal autonomy 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.

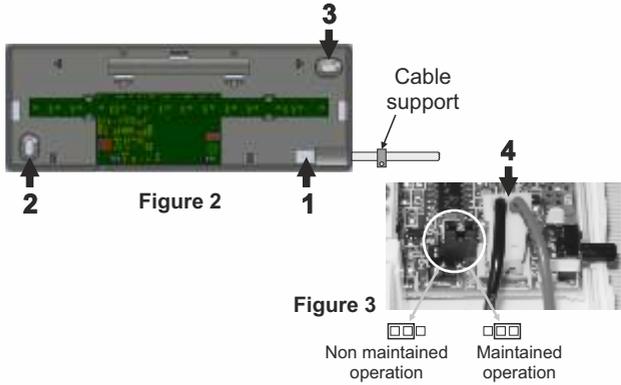
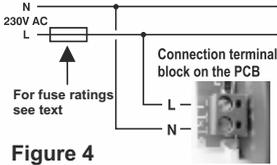
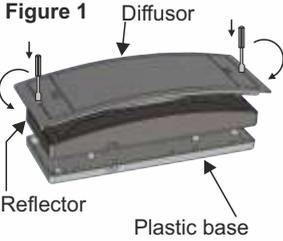
**6. It is not allowed to discard batteries in to common trash bins, they must be discarded only in battery recycling points. Do not incinerate.**



 *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.*

## Installation instructions (wall mounting)



1. To install the device you have to dismantle it carefully with a flat screwdriver as shown on figure 1.
2. Pass the mains cables through the hole (point 1 in figure 2) and secure it with a suitable bracket to ensure immobilization of the cable at a distance of no more than 5cm from the luminaire's cable entry. **ATTENTION!! To maintain the IP rating, the outer diameter of the power cable must be at least 8.2 mm<sup>2</sup>.**
3. Mount the base plastic on the wall using the included mounting accessories in points 2 and 3 as shown on figure 2.
4. Connect the battery's cable with the appropriate terminal (figure 3).
5. Connect the mains cables to the terminal block as shown on figure 4.
6. Refit carefully the removed plastic parts and power on the luminaire.

### NOTE!!

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

### Battery replacement.

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

1. Dismantle the device (step 1 of the installation instructions).
2. Disconnect the connector and remove the old battery.
3. Connect the new battery with the same type (step 4 of the installation instructions) and place it in the position of the old one.
4. Follow the step 6 of the installation procedure and power the device.

LED MODULE CHARACTERISTICS		
	GR-8/leds	GR-9/leds
Manufacturer	Olympia Electronics S.A	
Model Number	2501159	
Voltage Range	2.9-3.6VDC	
Nominal Power	780mW	
Connections	Non reversible connection between main pcb and led module	
Temperature (tc)	45 °C max. across the board	

**NOTE:** LED= Light Emitting Diode

**LABELING EXPLANATION:**

**X:** Self contained

**1:** Maintained (\*)

**A:** Including test device

**G:** Internally illuminated

**\*90:** 1.5 hour duration

**180:** 3 hours duration

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

Non Maintained operation: The luminaire lights its illumination source, only in power supply's failure.

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



**X 1 A G \* 9 0**

**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 deflection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.

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