

**“POWER LIGHT” SERIES FOR NON-MAINTAINED EMERGENCY LUMINAIRES**



TECHNICAL CHARACTERISTICS	GRL-21	GRL-21/H/90	GRL-21/H/180	GRL-29
OPERATION VOLTAGE	220-240V AC/50-60Hz			
MAXIMUM POWER CONSUMPTION	3.5W / 10VA	12W / 16VA		
BATTERY (Pb)	6V/4Ah	12V/7Ah	2x12V/7Ah	12V/7Ah
BATTERY PROTECTION	From overcharge and deep discharge			
INDICATIONS - CONTROLS	Power indicator, battery charge indicator, TEST button			
CHARGING TIME	<24h			
MINIMUM AUTONOMOUS DURATION	90 min		180 min	
LIGHT SOURCE	White LEDs	White power LEDs		White LEDs
EMERGENCY ILLUMINATION	660lm	2000lm	1260lm	
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	302x94x330mm			
TYPICAL WEIGHT	1965gr.	4100gr.	6300gr.	3560gr.
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 *power* indicator lights and the *charge* indicator blinks to show that the batteries are in charging condition. In case of a mains power supply failure the *power* and the *charge* indicators turns off and the luminaire will light the spot lamps 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 2.

**OPERATION**

When the device is powered from the mains, the *charge* indicator blinks and confirms the charging of the batteries. When the batteries are charged, it lights constantly. If it does not light, probably, the batteries are disconnected. If it does not light and the batteries are connected, then contact the technician. As long as the charge indicator blinks, the batteries of the luminaire are charging and in this period, any autonomy test must be avoided. When the charging circle is complete, the indicator lights continuously (it can be used as an indication of a power interruption). The batteries charging is done by a 3 stages technological advanced procedure, to ensure the appropriate and full charging of the batteries. The *power* indicator

confirms the proper connection to the mains. The TEST button, has a dual use. If pressed instantly while the device is connected to the mains, the device simulates the power interruption, by lighting the lamps for 3". In this way, we can control the driver circuit of the lamps and the lamps as indicated in paragraph 3 in the text below.

**Dimming option**

When the voltage is interrupted, with corresponding pressings of the button, we can choose the illumination of 100%, 50%, 33% or turned off, either to increase the autonomy time or not to consume the battery power unnecessarily. This option is canceled when the network is restored.

**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 instantly the TEST button to check the emergency circuit and the lamps. If the luminaire does not light contact the installer.
4. It is sugested to check every 6 months the minimum autonomus duration by disconnecting the mains power supply. Count the time that the lamps light and in case of less time than the minimum autonomus duration the batteries must be replaced. If the measured time is considerably less than the minimum autonomus

duration contact the installer. The replacement of the battery and the light source must be done using 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.**

**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

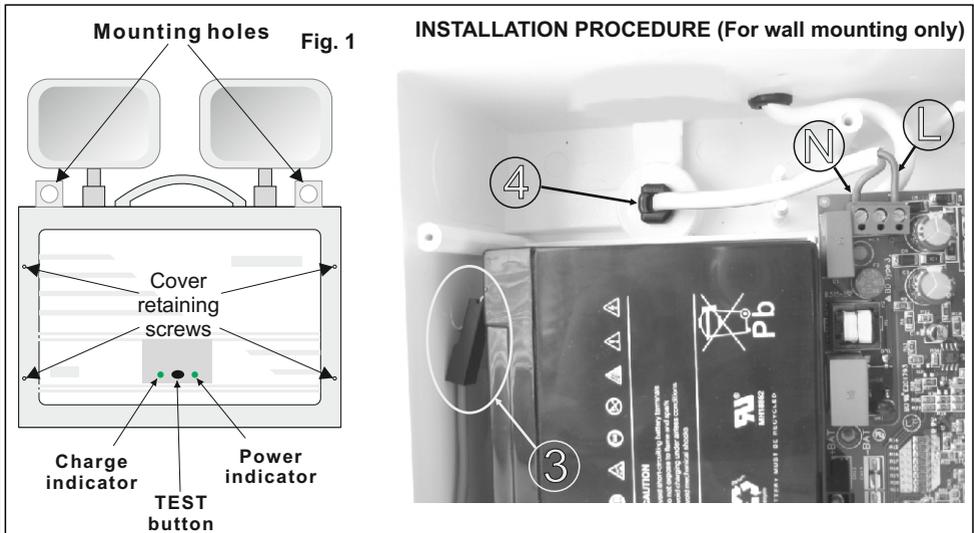
**(\*) Non-Maintained operation:** The luminaire lights its illumination source, only in power supply's failure.

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

### Battery replacement.

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

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



1. Install the included mounting accessories to hook the device from the mounting holes (fig. 1).
2. Unfasten the 4 mounting screws to remove the front plastic cover (fig. 1).
3. Make sure that the battery's cables are connected to the respective poles. Black cable to (-) pole and red cable to (+) pole.
4. Install the included cable gland or the rubber o-ring. Pass thru the mains cable and stabilize it by fastening the cable gland. Connect the wires to the terminal blocks **L** for live wire and **N** for neutral. The luminaire must be connected to a permanent electrical installation to ensure the immobilization of the cable.
5. Refit with care the front plastic cover, by fastening the 4 mounting screws (tightening torque 1Nm).

### WARNING!!

**After the installation has finished, charge the batteries for at least 24 hours so as to obtain the rated autonomous duration.**