



for a safer world

GRL-22 "POWER LIGHT" SERIES NON-MAINTAINED EMERGENCY LUMINAIRE



TECHNICAL CHARACTERISTICS (for LED MODULE Specs. see page 2)

OPERATION VOLTAGE	220-240V AC/50-60Hz					
MAXIMUM POWER CONSUMPTION	16VA					
BATTERY (Pb)	12V/7Ah					
BATTERY PROTECTION	From overcharge and deep discharge					
INDICATIONS - CONTROLS	Power indicator, battery charge indicator, TEST button					
CHARGING TIME	<24h					
MINIMUM AUTONOMOUS DURATION	600 min					
LIGHT SOURCE	White LEDs					
EMERGENCY ILLUMINATION	710lm					
DEGREES OF COVER PROTECTION	IP42					
PRODUCED IN ACCORDANCE WITH	EN 60598-1, EN 60598-2-22,	55015,	61547,	61000-3-2,	61000-3-3	
OPERATION TEMPERATURE RANGE	5 to 40 °C					
RELATIVE HUMIDITY	Up to 95%					
CONSTRUCTION MATERIALS	Bayblend FR3010, transparent polycarbonate					
EXTERNAL DIMENSIONS	302 x 103 x 230 mm					
TYPICAL WEIGHT	3400gr.					
GUARANTEE	3 years (1 year for the battery)					

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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 n page 3.

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 an 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.

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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 suggested 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 suggested to check every 6 months the minimum autonomous duration by disconnecting the mains power supply. Count the time that the lamps light and in case of less time than the minimum autonomous duration the batteries must be replaced. If the measured time is considerably less than the minimum autonomous 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.

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..

NOTE: LED= Light Emitting Diode LABELING EXPLANATION:

- X:** Self contained
- 0:** Non Maintained (*)
- A:** Including test device
- G:** Internally illuminated
- 600:** 10 hours duration

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



(*) 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.



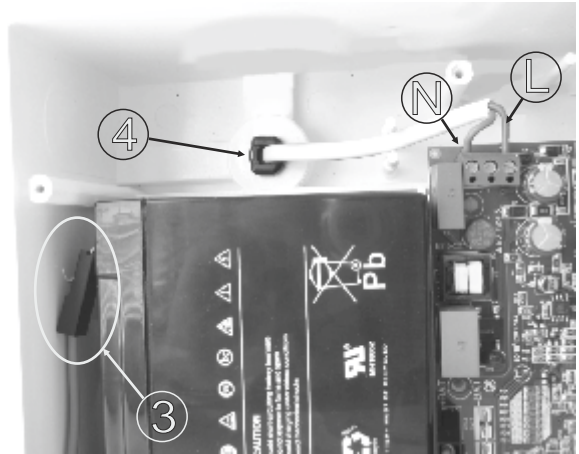
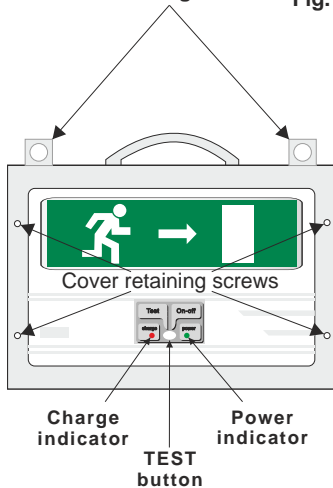
The light source contained in this luminaire shall only be replaced by the manufacturer, or his agent, or a similar qualified person.

NOTE! The light source is non-user replaceable.

LED	
GRL-22	
Manufacturer	Olympia Electronics . . .
Model Number	3011129
Voltage Range	20.3-25.2V
Nominal Power	5.46W
Connections	Cable connection between main pcb and led module
Temperature (tc)	50 °C max. across the board

INSTALLATION PROCEDURE (For wall mounting only)

Mounting holes Fig. 1



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 for neutral.
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.

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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