

“POWER LIGHT” SERIES FOR NON MAINTAINED EMERGENCY LUMAIRES



TECHNICAL CHARACTERISTICS (for LED MODULE Specifications see page 2)

	GRL-21/H/90	GRL-21/H/180
OPERATION VOLTAGE	220-240V AC/50-60Hz	
MAXIMUM POWER CONSUMPTION	13.3W/14VA	
BATTERY (Pb)	12V/7Ah	2x12V/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 power LEDs	
EMERGENCY ILLUMINATION	3200lm	
DEGREES OF COVER PROTECTION	IP42	
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	Aluminum, ABS/PC, PC	
EXTERNAL DIMENSIONS	302 x 94 x 350 mm.	
TYPICAL WEIGHT	4100gr.	6300gr.
GUARANTEE	3 years (1 year for the battery)	

**Thank you for your trust in our products
Olympia Electronics - 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* and *charge* indicators are on to indicate that the batteries are charging. 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 3.

OPERATION

When the device is powered from the mains and the battery(ies) is (are) connected, the ‘power’ and ‘charge’ indicators are ON. The ‘charge’ indicator indicates the battery charging operation. If it does not light, probably, the batteries are disconnected. If it does not light and the batteries are connected, then contact the technician. 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 that 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 luminaire is in emergency mode, with corresponding pressings of the button, we can choose the illumination of 100%, 50%, 33% or turned off, in order to increase the autonomy duration. This option is canceled when the network is restored.

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 instantly the TEST button to check the emergency circuit and the lamps. If the luminaire does not light, contact the

installer.

- It is suggested to check every 6 months the minimum autonomy duration by disconnecting the mains power supply. Count the time that the lamps light and in case of less time than the minimum autonomy duration the batteries must be replaced. If the measured time is considerably less than the minimum autonomy 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.
- In case of inactive use for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.
- 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.

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

NOTE: LED= Light Emitting Diode

LABELING EXPLANATION:

X: Self contained

0: Non Maintained (*)

A: Including test device

90: 1.5 hour duration

180: 3 hours 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.



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 CHARACTERISTICS

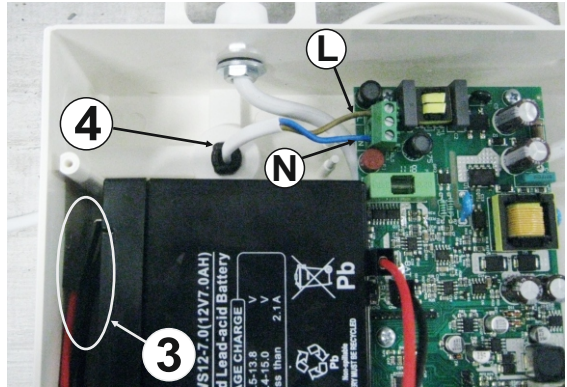
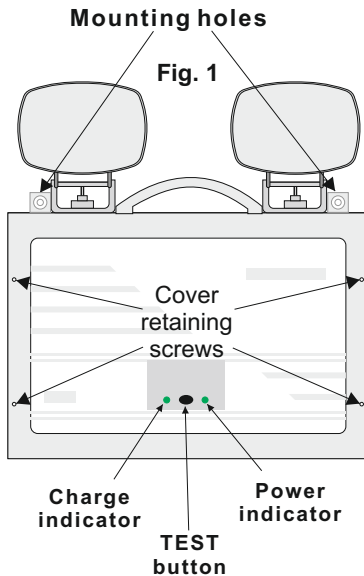
	GRL-21/H/90	GRL-21/H/180
Manufacturer	Olympia Electronics S.A.	
Model Number	1005183	
Voltage Range	17.5-20.5V	
Nominal Power	14W	
Connections	Cable connection between main pcb and led module	
Temperature (tc)	68 °C max. across the board	

INDICATION LED STATUS (with the mains power supply connected)

CHARGE		POWER	
<input type="radio"/>	Disconnected battery / not charging	<input type="radio"/>	No mains power supply
<input checked="" type="radio"/>	Charged battery	<input checked="" type="radio"/>	Normal operation mode

Indicator OFF Indicator ON

INSTALLATION PROCEDURE (For wall mounting only)



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 through 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 1N*m).

WARNING!! After the installation has finished, charge the batteries for at least 24 hours so as to obtain the rated autonomy 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 deflection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.

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