

“POWER LIGHT” SERIES FOR WATERPROOF NON MAINTAINED EMERGENCY LUMINAIRES



TECHNICAL CHARACTERISTICS (for LED MODULE Specifications see page 2)		
	GRL-21/H/90/WP	GRL-21/H/180/WP
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	IP65	
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	307 x 100 x 350 mm.	
TYPICAL WEIGHT	4250gr.	6440gr.
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 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 battery is 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, 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, 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.

4. 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.
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 6 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

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.*

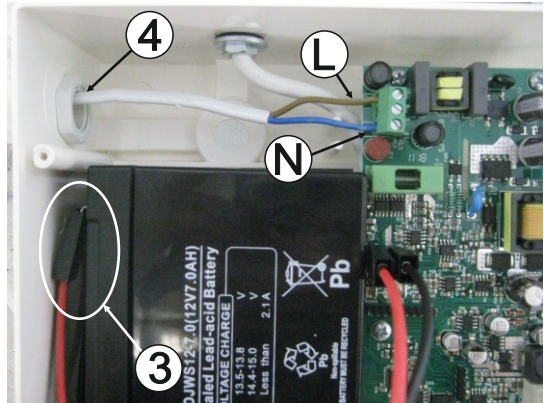
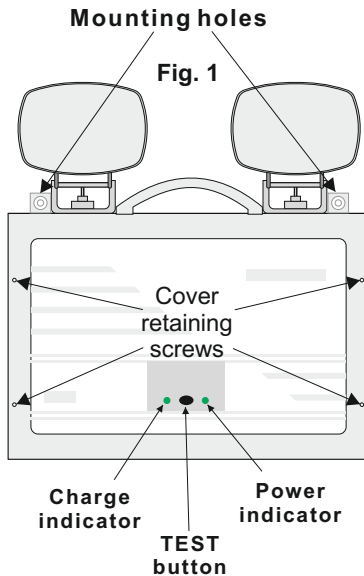
LED CHARACTERISTICS	
	GRL-21/H/90/WP GRL-21/H/180/WP
Manufacturer	Olympia Electronics S.A.
Model Number	1005183
Voltage Range	17.5-20.5V
Nominal Power	14W
Connections	Cable connection between main pcb and led module
Temperature (tc)	68 °C max.

INDICATION LED STATUS (with the mains power supply connected)

CHARGE		POWER	
○	Disconnected battery / not charging	○	No mains power supply
●	Charged battery	●	Normal operation mode

○ Indicator OFF ● Indicator ON

INSTALLATION PROCEDURE (For wall mounting only)



1. Use the supplied mounting accessories to mount the device (Fig1).
2. Remove the four cover retaining screws (Fig 1).
3. Install the battery cable connectors to the batteries taking care of the polarity, black cable (-) and red cable (+).
4. **Always use in any case round mains cable, with external diameter of 6-9mm (H05RN-F type 2x1mm² or any other type, at least equal to it's mechanical and electrical properties). ATTENTION!! The cable must not be deformed in any way (This requirement is important to ensure the tightness isolation IP65).** Install the cable gland, pass the round cable through and tighten it all the way.
5. Connect the cables to the respective positions in the terminal block **L for phase and N for neutral**.
6. Reinstall the front cover and fasten the retaining screws. (Tightening torque 1Nm).
Pay attention to the 4 sealing o-rings.

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

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