

“BAU LIGHT” SERIES SELF TESTING MAINTAINED EMERGENCY LUMINARIES



TECHNICAL CHARACTERISTICS (for LED MODULE specifications see page 4)

	GR-750/ST/HP/LL	GR-751/ST/LP/LL	GR-752/ST/HP/HL	GR-753/ST/LP/HL
OPERATION VOLTAGE	220-240V AC/50-60Hz			
MAXIMUM POWER CONSUMPTION	4W / 4.3VA		4.6W / 4.8VA	
BATTERY (Ni-Cd)	3.6V/1.5Ah		3.6V/3Ah	
INDICATIONS - CONTROLS	LED Charge, Battery Fault LED / Magnetic Test Contact			
CHARGING TIME	24 h			
MINIMUM AUTONOMY DURATION	3 h			
ILLUMINATION SOURCE	30 white LED			
ILLUMINATION (230V AC / emergency)	150lm / 160lm		220lm / 300lm	
DEGREES OF COVER PROTECTION	IP54			
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%			
VIEWING DISTANCE	*15m, **17m	15m	*15m, **17m	15m
CONSTRUCTION MATERIALS	ABS/PC, PC			
EXTERNAL DIMENSIONS	358 x 125 x 88 mm	358 x 85 x 88 mm	358 x 125 x 88 mm	358 x 85 x 88 mm
TYPICAL WEIGHT	763gr.	734gr.	836gr.	807gr.
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 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 enters in emergency mode and will light automatically. 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.

Battery Charging

The battery charging procedure is controlled by the processor, this maintaining its best possible preservation, as it extends its duration.

Battery Cut-off

The luminaire enters this mode when the mains power supply fails and battery has lost all its energy. During this operation the luminaire enters the idle state and battery consumption is negligible, in order to be protected from deep discharge.

Manual Test

This test can be done by using the A-1900 card as described on page 2. The light source and the emergency circuit of the device are tested. The manual test can be conducted only if the mains power supply and the battery are connected.

Automatic Operational Test

This test includes all the operations of the manual test and is conducted automatically every 15 days. In order to be performed, the mains power supply and the battery should be connected.

Automatic Autonomy Test

The Automatic Autonomy Test measures the device's back up operation and emergency duration. This test is conducted automatically every 6 months. In order to be performed, the mains power supply and the battery should be connected and fully charged. If the battery is not fully charged, the test is postponed until the battery is completely charged. If during this test, the autonomy is less than nominal, the battery fault led turns on continuously and the battery must be replaced.

Emergency Operation

The autonomy duration of battery during emergency mode is at least 180 minutes. During emergency mode, a light source test is also performed.

Resetting Errors

Hold the A-1900 card in TEST position for 10 to 15 seconds in order to delete all LED indicated errors. Then the device enters regular operation mode.

Connection to module (After request)

This luminaire can be connected to any of the following modules: Remote module, address module and fault relay module. If you connect it to a module that supports inhibit or rest mode, you should know that these commands can be cancelled only during normal mode (e.g. not in emergency). For installation refer to step 5 of the installation procedure on page 3.

Also refer to the user manual of each module for additional information.

Indication LED status (with connected mains power supply).

Charge (Green LED)

On: Good charge condition.

Blink: Battery is charging.

ff: No battery (No charging current or disconnected battery).

Fault (Red LED)

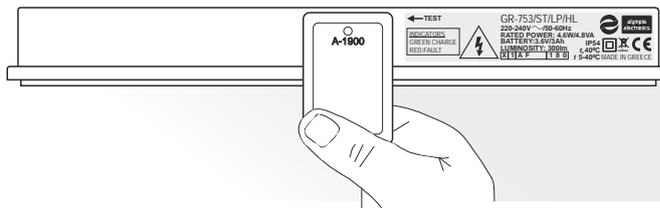
n : Faulty LED strip (must be replaced) or emergency circuit (must be checked by an authorized personnel).

Blink (With Charge LED ON): Autonomy or low battery problem (**the battery must be replaced**).

ff: No fault.

!!!

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. In case of inactive use for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.
4. **It is not allowed to discard batteries in to common trash bins, they must be discarded only in battery recycling points. Do not incinerate.**



Test and Faults Reset operations with the A-1900 card (not included and available after request). For lights test, you must place the card in front of the TEST indicator and remove it immediately. For Autonomy Test, you must place the card in front of TEST and hold it for 5 to 10 seconds.

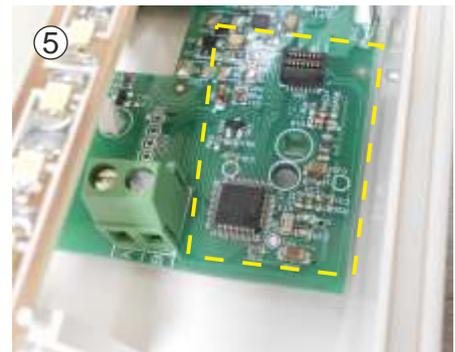
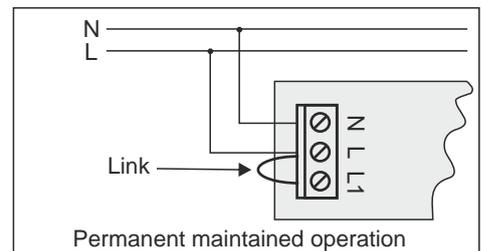
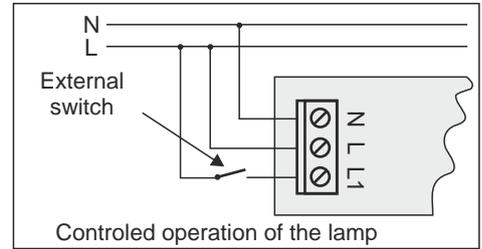
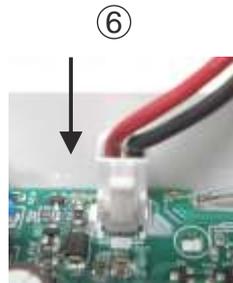
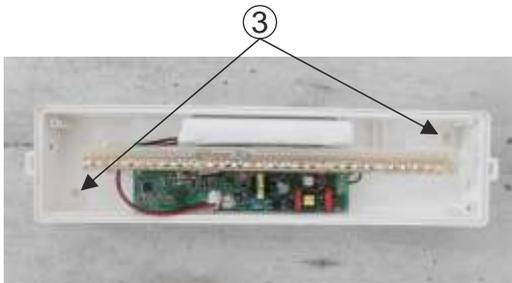
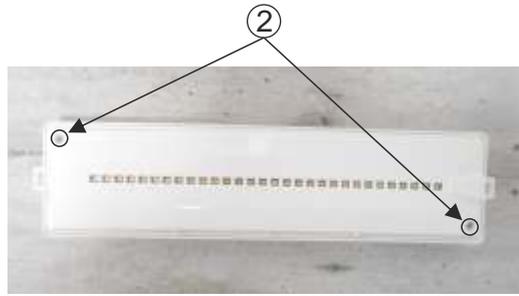
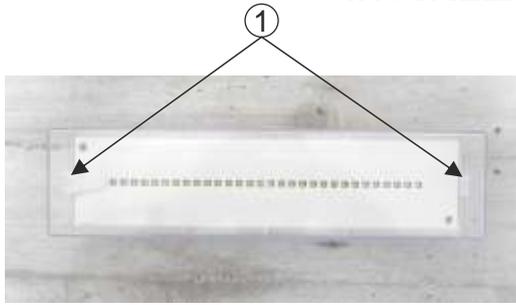
To reset errors you must place the card in front of TEST by holding it for 10 to 15 seconds and removing it.

Only for models GR-750/ST/HP/LL and GR-751/ST/HP/HL

*15m: When the luminaire is installed on a wall.

**17m: When luminaire is installed on the ceiling.

INSTALLATION INSTRUCTIONS

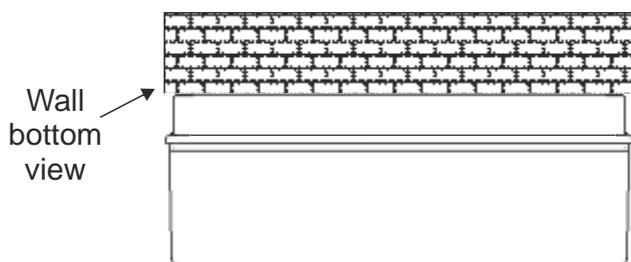


- ① Place a flat blade screwdriver to the plastic hook and pull up gently to release the diffuser.
- ② Unfasten the 2 screws to remove the reflector.
- ③ Use the included mounting parts to mount the base plastic.
- ④ **Always use in any case round mains cable, with a diameter of 5-10mm (H05RN-F type 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 rating).** Install the included gasket in to the cable entry holes (verify that is not deformed). Make a hole in the center by using a small screwdriver. Pass the round cable through the gasket. Connect the mains cables to the respective terminal block. for neutral, L for live wire and L1 for the maintained operation. The L1 wire can be connected to an external switch to control the maintained or non maintained operation of the luminary. For permanent maintained operation use two wires to power the luminary, for neutral and L for live wire, and link the L and L1.
- ⑤ In case you use a module connect it on P.C.B. If the module needs cabling follow drill a hole in order to pass the 2 signal cables. Install the included gasket, pass the communication cables and connect them on the A, B terminals minding the correct polarity. Depending on the module that will be used, the cables that will be used, have different names. In A, signals +L, C are also connected, while signals -L, NC/NO in the terminal B.
- ⑥ Place the battery's connector to the corresponding connector on the P.C.B.
- ⑦ Refit the reflector and the diffuser (mind the correct orientation) and the luminaire is ready to operate.

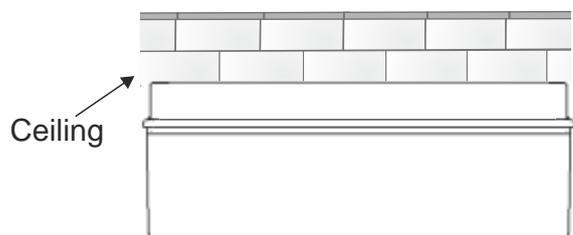
NOTE!! After finishing the installation you must power the luminaire at least for 24 hours for battery charging to perform the named autonomy.

Mounting methods

BAU Light luminaires can be surface mounted on walls or ceilings. For these mounted installations, special accessories are included.



Wall installation



Ceiling installation

NOTE: LED= Light Emitting Diode
LABELING EXPLANATION:
X: Self contained
1: Maintained (*)
A: Including test device
B: Including remote test mode
C: Including inhibiting mode
F: Automatic test gear complying with IEC 61347-2-7 denoted EL-T
G: Internally illuminated
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!! If a module will be used (except the fault relay module), then the installer should fill in, on the specification label, the letters **B** or/and **C**.
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	F			1	8	0
						↑	↑	↑
						B	C	G

Battery replacement.

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

1. Dismantle the device (step 1 and step 2 of the installation instructions).
2. Disconnect the connector and remove the old battery.
3. Connect the new battery with the same type (step 6 of the installation instructions) and place it in the position of the old one.
4. Follow the step 7 of the installation procedure and power the device.

LED MODULE CHARACTERISTICS

	GR-750/ST/HP/LL	GR-751/ST/LP/LL	GR-752/ST/HP/HL	GR-753/ST/LP/HL
Manufacturer	Olympia Electronics S.A			
Model Number	2001195			
Voltage Range	14-16.5VDC			
Nominal Power	2W			
Connections	Non-reversible connection between main pcb and led module			
Temperature (tc)	45 °C max. across the board			



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.

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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