European manufacturer

olympia electronics SAFETY & SECURITY SYSTEMS

for a safer world!

"BAU LIGHT" SERIES SELF TESTING MAINTAINED EMERGENCY LUMINARIES

CE

TECHNICAL CHARACTERISTICS *(for LED MODULE specifications see page 4)*

	GR-750/ST/HP/LL/WL	GR-751/ST/LP/LL/WL	GR-752/ST/HP/HL/WL	GR-753/ST/LP/HL/WL
OPERATION VOLTAGE	220-240V AC/50-60Hz			
MAXIMUM POWER CONSUMPTION	4.1W / 4.3VA		4.5W / 4.7VA	
BATTERY (Ni-Cd)	3.6V/1.5Ah		3.6V/3Ah	
Tx/Rx frequency range	868 - 870MHz			
Tx power	11dBm			
INDICATIONS - CONTROLS	LED Charge, Battery Fault LED / Magnetic Test Contact			
CHARGING TIME	24 h			
MINIMUM AUTONOMY DURATION	1 h / 3 h / 8 h manually selected (default 3h)			
ILLUMINATION SOURCE	30 white LED			
LUMINOUS FLUX (230V AC)	270lm			
LUMINOUS FLUX (emergency)	1 h : 300lm / 3 h : 150lm / 8 h : 30lm		1 h : 350lm / 3 h : 280lm / 8 h : 90lm	
DEGREES OF COVER PROTECTION	IP54			
PRODUCED IN ACCORDANCE WITH	EN 62311, EN 60598-1, EN 60598-2-22, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3, ETSI EN 303 446-1 v1.1.0, ETSI EN 300 220-2 v3.1.1			
OPERATION TEMPERATURE RANGE	5 to 40 °C			
RELATIVE HUMIDITY	up to 95%			
VEWING 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	787gr.	756gr.	859gr.	824gr.
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.

AUTONOMY DURATION SELECTION

The user can select one of the 3 available minimum autonomy durations 1 hour, 3 hours and 8 hours. The procedure of autonomy selection is described on page 2.

TECHNICAL LABEL INSTALLATION

Two additional labels are included in the package. One for 1 hour duration (60) and one for 8 hour duration (480). Depending on the selected duration, the installer must replace the default 3 hour (180) label with one that has the required duration. Please take notice of the orientation of the label.

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. This test lasts for 3 seconds.

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. This test lasts for 3 seconds.

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. The test lasts for the selected autonomy.

Emergency Operation
The autonomy duration of battery during emergency mode is at least the selected autonomy duration. During emergency mode, a light source test is also performed.

Wireless communication
The luminaire models have the ability to communicate over the air with Olympia's control panels for wireless emergency luminaires. The luminaires can also communicate with a PC/laptop through a gateway (Ethernet, Wi-Fi, USB). For more information, please refert to Wireless Emergency Lighting guides, available on the company's website.

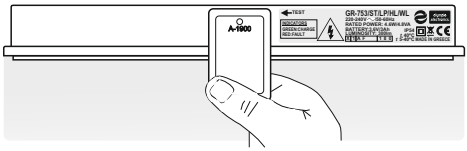
Resetting Errors
Hold the A-1900 card in TEST position for 10 to 15 seconds in order to delete all LED indicated errors. Then the device enters regular operation mode.

Indication LED status (with connected mains power supply).

Charge (Green LED)
On: Good charge condition.
Blink: Battery is charging.
Off: No battery (No charging current or disconnected battery).

Fault (Red LED)
On : Faulty LED strip (must be replaced) or emergency circuit (must be checked by authorized personnel).
Blink **(With Charge LED ON):** Autonomy or low battery problem **(the battery must be replaced).**
Off: No fault.

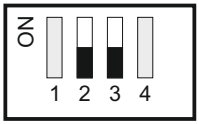
ATTENTION!!!
1. Operations for installation, maintainance or testing must be done by authorized personnel only.
2. The device must be connected to the mains power supply through a fuse dependent by the total amount of the line's power load.
3. In case of inactive use for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.
4. **It is not allowed to discard batteries into common trash bins, they must be discarded only in battery recycling points. Do not incinerate.**



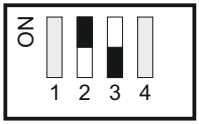
Test and Faults Reset operations with the A-1900 card (not included and available after request). For lights test, you must place the card in front of the TEST indicator and remove it immediately. For Autonomy Test, you must place the card in front of TEST and hold it for 5 to 10 seconds.
To reset errors 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/WL and GR-752/ST/HP/HL/WL
*15m: When the luminary is installed on a wall.
**17m: When luminary is installed on the ceiling.

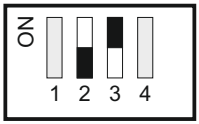
The selection must be done while the luminaire is disconnected from AC and battery supplies. The selection is achieved through Switches 2 & 3 of **DS1**. Switch 1 is not used.



1h



3h
(default position)



8h

Wireless Communication LED indications

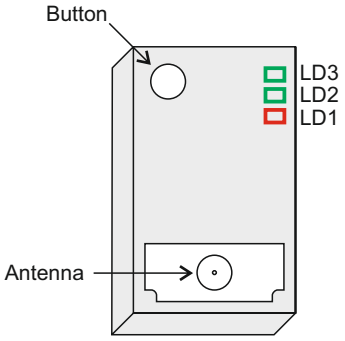
The **top LED** (LD3-green) indicates the network connection status.
This LED may blink according to the following patterns:
1. Steady ON: The device has established direct connection to a Gateway device, and at least one more Gateway device is available for alternate routing
(false condition).
2. Rapid flash [5 times/s]: The device has established direct connection to a single Gateway device.
3. Fast flash [2 times/s]: The device has established connection to a Router device and at least one more Router device is available on the same hop level, as an alternate route (redundant connection).
4. Moderate flash [1 second ON / 1 second OFF]: The device has established connection to a single Router device, and no alternatives exist on the same hop level.
5. No light: The device is disconnected.

The **middle LED** (LD2-green) indicates the received signal strength (RSSI) of the router module.
This LED may blink according to the following patterns:
1. Very fast flash [5 times/s]: received signal strength is excellent.
2. Fast flash [2 times/s]: received signal strength is good.
3. Moderate flash [1 second ON / 1 second OFF]: received signal strength is acceptable for reliable communication.
4. Very slow [2 seconds ON / 2 seconds OFF]: received signal strength is not acceptable for reliable communication, or no signal.

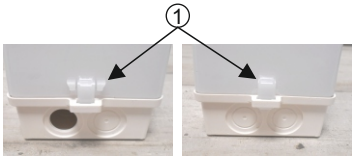
The **bottom LED** (LD1-red) indicates operation status.
This LED may blink according to the following patterns:
1. Very fast blink [5 times/s]: the module is not initialized correctly. In this case you have to press for more than 2 seconds the push button, in order to reset the module (loads default settings).
2. Moderate flash [2 times/s]: The module is properly operating.

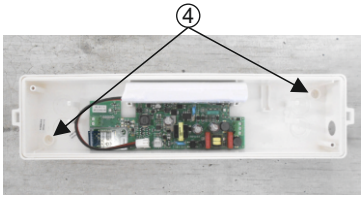
Button functionality:
The on-board button has the two following functions:
1. Short press (<2"): a status message will be sent to the Gateway device of the wireless network.
2. Long press (>2"): Loads factory default settings to the module.

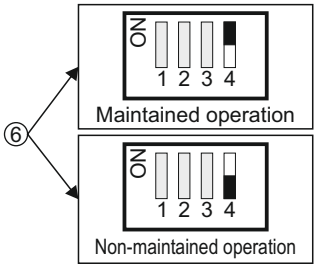
Default settings:
- SID: 00000001
- RF Channel: 13 (869.525MHz)

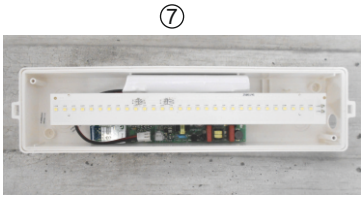


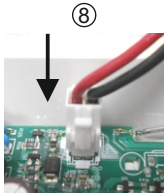
INSTALLATION INSTRUCTIONS

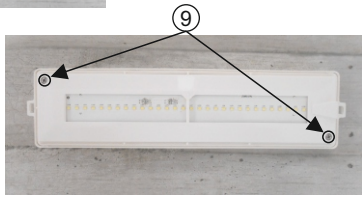










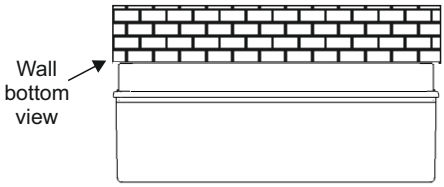


① Place a flat blade screwdriver to the plastic hook and pull up gently to release the diffusor.
② Remove the reflector.
③ Remove the led strip.
④ Use the included mounting parts to mount the base plastic.
⑤ **Always use in any case round mains cable, with a diameter of 5-10mm (H05RN-F type 2x1mm² or 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 IP 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. N for neutral, L for live wire.
⑥ The control of maintained or non maintained operation of the luminary is achieved through Switch 4 of **DS1**. For maintained operation, switch number 4 must be in ON position. For non-maintained operation, switch number 4 must be in OFF position.
⑦ Refit the led strip minding the connection with the P.C.B. **Warning!!** The holes of the led strip must be fit in the projections of the base.
⑧ Place the battery's connector to the corresponding connector on the P.C.B.
⑨ Refit the reflector (mind the correct orientation) and tighten the screws. Refit the diffusor (mind the correct orientation) and the luminary 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 luminaries can be surface mounted on walls or ceilings. For these mounted installations, special accessories are included.

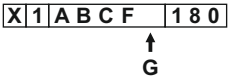


Wall installation

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
60: 1 hour duration
180: 3 hours duration
480: 8 hours duration

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



(*) 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.

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/WL	GR-751/ST/LP/LL/WL	GR-752/ST/HP/HL/WL	GR-753/ST/LP/HL/WL
Manufacturer	Olympia Electronics S.A			
Model Number	2505195			
Voltage Range	13-13.6VDC		13-14VDC	
Nominal Power	1.5W max		2W max	
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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