

**“BAU LIGHT” SERIES ADDRESSABLE SELF TESTING MAINTAINED EMERGENCY LUMINARIES**



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

	GR-750/ST/HP/LL/ADR	GR-751/ST/LP/LL/ADR	GR-752/ST/HP/HL/ADR	GR-753/ST/LP/HL/ADR
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	
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 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%			
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.

### Addressable Communication

The luminaire has the ability to be connected to GR-6500 panel. In order to do so, the luminaire's address has to be unique in the same bus. For more details see page 3 (installation instruction).

### 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).

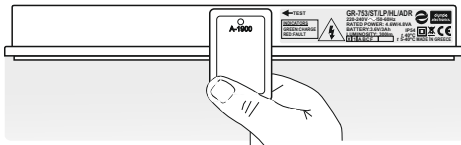
**Blink (With Charge LED ON):** Autonomy or low battery problem (the battery must be replaced).

**Off:** No fault.

### ATTENTION!!!

1. Operations for installation, 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 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.

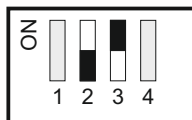
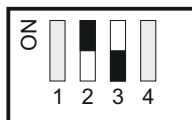
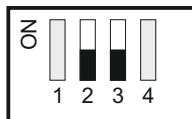
To reset errors you must place the card in front of TEST by holding it for 10 to 15 seconds and removing it.

### Only for models GR-750/ST/HP/LL/ADR and GR-752/ST/HP/HL/ADR

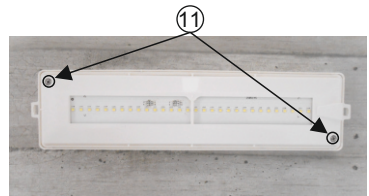
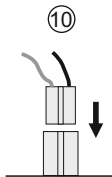
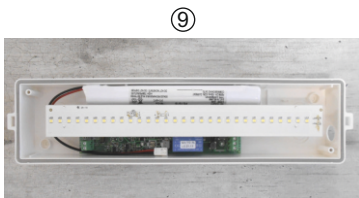
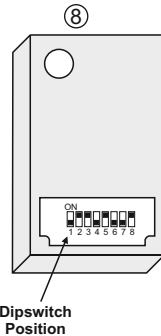
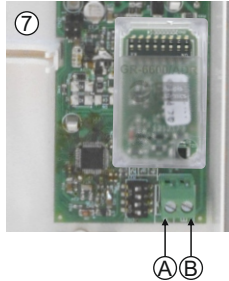
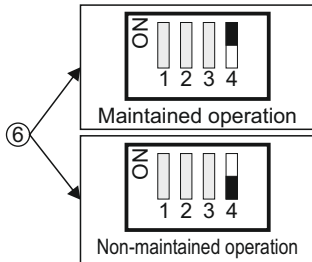
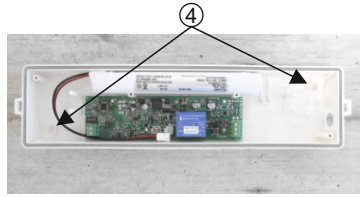
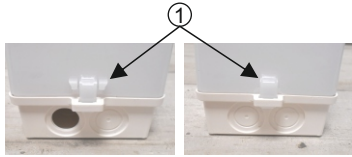
\*15m: When the luminary is installed on a wall.

\*\*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.



## INSTALLATION INSTRUCTIONS













- ① Place a flat blade screwdriver to the plastic hook and pull up gently to release the diffuser.
- 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 2x1mm<sup>2</sup> 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 luminaire 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 Drill a hole to the breakout points. Then follow step 5 in order to pass the 2 signal cables and connect them on the A, B terminals minding the correct polarity. These cables are used to connect the luminaire to GR-6500 panel.
- ⑧ Set the luminaire's address through the DIP switch. See table at pages 4 to 6.
- ⑨ 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.
- ⑩ Place the battery's connector to the corresponding connector on the P.C.B.
- ⑪ Refit the reflector (mind the correct orientation) and tighten the screws. Refit 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.**

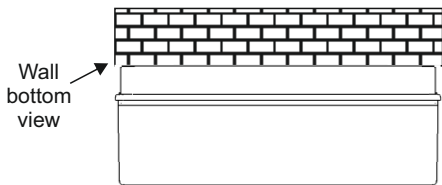
Address	Dipswitch setting	Address	Dipswitch setting	Address	Dipswitch setting	Address	Dipswitch setting
1		31		61		91	
2		32		62		92	
3		33		63		93	
4		34		64		94	
5		35		65		95	
6		36		66		96	
7		37		67		97	
8		38		68		98	
9		39		69		99	
10		40		70		100	
11		41		71		101	
12		42		72		102	
13		43		73		103	
14		44		74		104	
15		45		75		105	
16		46		76		106	
17		47		77		107	
18		48		78		108	
19		49		79		109	
20		50		80		110	
21		51		81		111	
22		52		82		112	
23		53		83		113	
24		54		84		114	
25		55		85		115	
26		56		86		116	
27		57		87		117	
28		58		88		118	
29		59		89		119	
30		60		90		120	

Address	Dipswitch setting	Address	Dipswitch setting	Address	Dipswitch setting	Address	Dipswitch setting
121		151		181		211	
122		152		182		212	
123		153		183		213	
124		154		184		214	
125		155		185		215	
126		156		186		216	
127		157		187		217	
128		158		188		218	
129		159		189		219	
130		160		190		220	
131		161		191		221	
132		162		192		222	
133		163		193		223	
134		164		194		224	
135		165		195		225	
136		166		196		226	
137		167		197		227	
138		168		198		228	
139		169		199		229	
140		170		200		230	
141		171		201		231	
142		172		202		232	
143		173		203		233	
144		174		204		234	
145		175		205		235	
146		176		206		236	
147		177		207		237	
148		178		208		238	
149		179		209		239	
150		180		210		240	

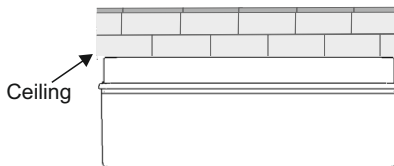
Address	Dipswitch setting
241	ON 
242	ON 
243	ON 
244	ON 
245	ON 
246	ON 
247	ON 
248	ON 
249	ON 
250	ON 

### 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

**90:** 1.5 hours 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.

X1|ABC F | 180

↑  
G

**(\*) 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/ADR	GR-751/ST/LP/LL/ADR	GR-752/ST/HP/HL/ADR	GR-753/ST/LP/HL/ADR
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 deflection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.

### HEAD OFFICE

72nd km. O.N.R. Thessaloniki-Katerini  
P.C. 60300 P.O. Box 06 Eginio Pierias Greece

[www.olympia-electronics.gr](http://www.olympia-electronics.gr)

[info@olympia-electronics.gr](mailto:info@olympia-electronics.gr)