ISO 9001

European manufacturer

olympia electronics SAFETY & SECURITY SYSTEMS

for a safer world!

ADDRESSABLE SELF TESTING MAINTAINED EMERGENCY LUMINAIRES WITH WHITE LEDs

TECHNICAL CHARACTERISTICS *(for LED MODULE Specs. see page 5)*

	GR-1315/15L/ADR	GR-1315/30L/ADR	GR-1316/15L/ADR	GR-1316/30L/ADR
OPERATION VOLTAGE	220-240V AC/50-60Hz			
MAXIMUM POWER CONSUMPTION	3.4W/3.8VA	4.5W/4.9VA	3.3W/3.7VA	5.3W/5.6VA
BATTERIES (Ni-Cd)	3.6V/0.6Ah	3.6V/1.5Ah		3.6V/3Ah
BATTERY PROTECTION	From overcharge and deep discharge			
INDICATIONS - CONTROLS	Charge, Lamp Fault, Battery Fault indication LED, TEST Button			
CHARGING TIME	24h			
MINIMUM AUTONOMOUS DURATION	90min		180min	
ILLUMINATION SOURCE	15 white LEDs	30 white LEDs	15 white LEDs	30 white LEDs
ILLUMINATION (230V AC / emergency)	105lm / 105lm	210lm / 210lm	105lm / 105lm	210lm / 210lm
DEGREES OF COVER PROTECTION	IP 40			
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	Bayblend FR3010, transparent polycarbonate			
EXTERNAL DIMENSIONS	353 x 143 x 57 mm			
TYPICAL WEIGHT	670gr.	750gr.		820gr.
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 (L1 connected to L) the led strip lights and the battery is charging. In case of a mains power supply failure the luminaire will light the led strip automatically in emergency mode (powered by its battery). When the mains power supply is restored the device turns to normal operation.

Address Operation

The luminaires can be connected to a GR-6500 address panel. For address operations refer to the installation manual of the panel. For address module connections see page 4. For dip-switch addressing selection see pages 6 and 7.

Battery Charging

The battery charging is completely controlled. In this case, the best possible battery maintenance is achieved, as well as the elongation of its duration. When the battery has completely charged, it charges with a maintenance current.

Battery Cut-off

The luminaire enters in this operation when the mains power supply fails and battery has lost 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

The manual test can be conducted only if the main power supply and the battery is connected. By pressing the test button briefly an operation test is initiated. During this test period all indication LEDs are OFF.

Tests

Normally the illumination source and the autonomy tests are programmed by the control panel and the test results are sent to the control panel.

If the luminaire is not connected to GR-6500 panel, the following automatic tests executed:

Automatic Operational Test

This test includes all the operations that provide 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 Autonomous Test
The Automatic Autonomous Test is conducted and measures the device's back up operation and emergency duration. This test is conducted automatically every 6 months. In order to be performed, the main 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 then the battery fault led turned on continuously and the battery must be replaced.

Back Up Operation
The autonomous duration of battery during emergency mode is at least the one that is stated in the technical characteristics. During emergency mode, a LED strip test is also performed.

Resetting Errors
Push the Test button for 5 seconds, to delete all the indicated LED errors. Then the luminaire enters regular operation mode.

Indication LED status (with connected mains power supply).
Charge
On: Good charge current.
Off: No battery (No charging current or disconnected battery).
Lamp Fault with L1 connected to L
On (with LED strip off): Faulty LED strip (must be replaced).
On (with LED strip on): Problem in the back up circuit of the LED strip (must be checked by an authorized personnel).
Off: Good LED strip.
Battery Fault
Off: Battery OK.
Blink (With **Charge LED** ON): Autonomy or low battery problem **(the battery must be replaced).**
Blink (With **Charge LED** Off):
No charging current or disconnected battery.

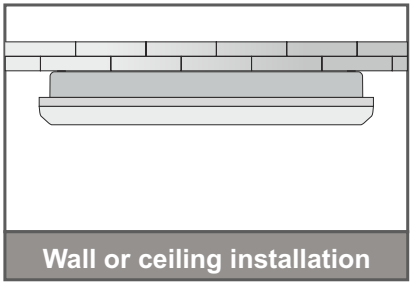
ATTENTION!!!
1. Operations for installation, maintainance or testing must be done by authorized personnel only.
2. The device must be connected to the mains power supply through a fuse dependent by the total amount of the line's power load.
3. In case of battery or lamp replacement, these must be replaced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

INSTALLATION
To install the luminaire follow the installation instructions on page 5.

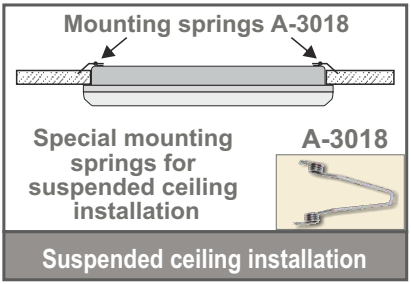
WARRANTY
Olympia Electronics guarantees the quality, condition and operation of the goods. The period of warranty is specified in the official catalogue of Olympia Electronics and also in the technical leaflet, which accompanies each product. This warranty ceases to exist if the buyer does not follow 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.

HEAD OFFICE
72nd km. O.N.R. Thessaloniki-Katerini
P.C. 60061 Greece
www.olympia-electronics.gr
info@olympia-electronics.gr

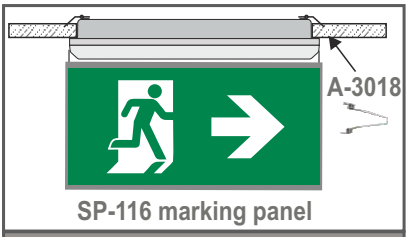
INSTALLATION METHODS



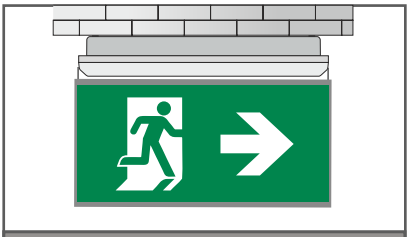
Wall or ceiling installation



Suspended ceiling installation



Suspended ceiling installation with A-3018 mounting springs and SP-116 marking panel



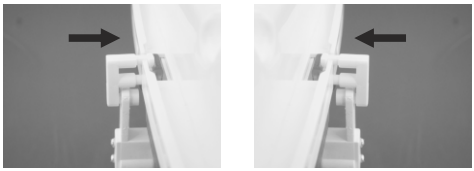
Ceiling installation with SP-116 marking panel

MARKING PANEL SP-116

A marking panel SP-116 can be installed on the luminaire in 3 different locations. This marking panel is installed perpendicular to the diffusor of the luminaire, as shown in the pictures below. The panel is pre-printed and has a plastic accessory on each side that is used to fasten the panel to the luminaire. The following panels are available after request.

Placing the SP-116 marking panel

Place the plastic mounting accessories of the marking panel as shown in pictures.



Mounting methods
The luminaire can be surface mounted on walls or ceilings or in suspended ceilings. For suspended ceilings installations, the A-3018 special accessories are required which can be found in the catalog and must be ordered separately.

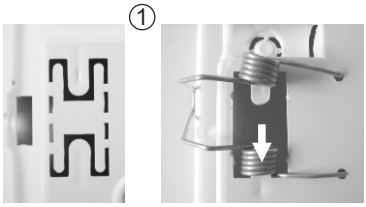
Suspended ceiling installation.
On the bottom of the base plastic of the luminaire there are two **H** shaped cut outs. These are used to install the A-3018 mounting springs. *Note! The luminaire is not suitable for mounting on tubular materials or surfaces.*

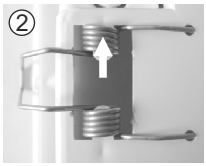
1. With a sharp tool remove the appropriate plastic pieces to fit the mounting springs. First place the edges of the mounting spring to the respective holes and install the one end of the coil to the support axis.

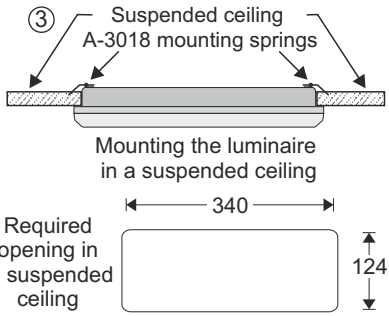
2. Install the other end of the coil to the other support axis.

3. Bend the springs and place the luminaire to the respective suspended ceiling's hole.

The luminaire's placement to the suspended ceiling must be done after the connection with power supply cables.





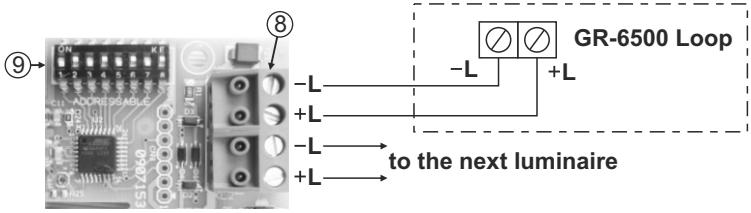


NOTE!! After finishing the installation you must power the luminaire at least for 24 hours for battery charging to perform the nominal autonomy.

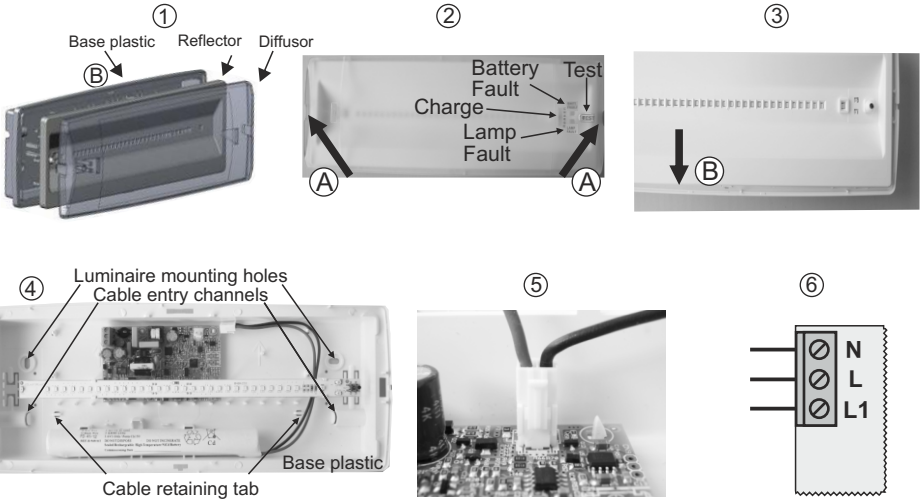
The light source contained in this luminaire shall only be replaced by the manufacturer, or his agent, or a similar qualified person.

NOTE! The light source is non-user replaceable.

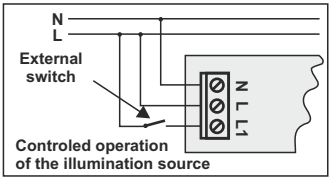
Address module connections
⑧ To connect the address cables, remove the detachable terminal blocks and perform the connections.
⑨ Attach the removed terminal blocks and address the luminaire by using the dip-switches (see page 5, 6 and 7).

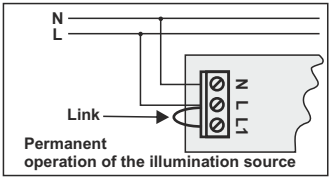


INSTALLATION INSTRUCTIONS



① To install the luminaire you must dismantle it into 3 parts.
② Place a flat blade screwdriver in the area **A** to release the diffusor's plastic hook.
③ Place a flat blade screwdriver in the area **B** to release the reflector's plastic hook.
④ Use the included mounting parts to mount the base plastic. Pass the mains cable through a cable entry channel and fasten it to the respective cable retaining tab, with the included tie.
⑤ Place the battery's connector to the corresponding connector on the P.C.B.
⑥ Connect the mains cables to the respective detachable terminal block. **N 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 luminaire. For permanent maintained operation use two wires to power the luminaire, N for neutral and L for live wire, and link the L and L1.
⑦ Refit the removed parts in steps 2 and 3 mind the correct orientation (especially for the diffusor, first press the points A, A and then the points B, B to apply the plastic hooks) and the luminaire is ready to operate.





LED MODULE CHARACTERISTICS				
	GR-1315/15L/ADR	GR-1316/15L/ADR	GR-1315/30L/ADR	GR-1316/30L/ADR
Manufacturer	Olympia Electronics S.A			
Model Number	0404153/15L		0404153/30L	
Voltage Range	8.5-10.5 V DC			
Nominal Power	980mW		2W	
Connections	Non reversible connection between main pcb and led module			
Temperature (tc)	47 °C max. across the board			

Address	Dipswitch setting	Address	Dipswitch setting	Address	Dipswitch setting	Address	Dipswitch setting	Address	Dipswitch setting
1		31		61		91		121		151	
2		32		62		92		122		152	
3		33		63		93		123		153	
4		34		64		94		124		154	
5		35		65		95		125		155	
6		36		66		96		126		156	
7		37		67		97		127		157	
8		38		68		98		128		158	
9		39		69		99		129		159	
10		40		70		100		130		160	
11		41		71		101		131		161	
12		42		72		102		132		162	
13		43		73		103		133		163	
14		44		74		104		134		164	
15		45		75		105		135		165	
16		46		76		106		136		166	
17		47		77		107		137		167	
18		48		78		108		138		168	
19		49		79		109		139		169	
20		50		80		110		140		170	
21		51		81		111		141		171	
22		52		82		112		142		172	
23		53		83		113		143		173	
24		54		84		114		144		174	
25		55		85		115		145		175	
26		56		86		116		146		176	
27		57		87		117		147		177	
28		58		88		118		148		178	
29		59		89		119		149		179	
30		60		90		120		150		180	

Address	Dipswitch setting	Address	Dipswitch setting	Address	Dipswitch setting
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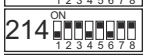
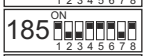
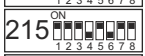
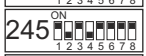
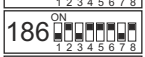
182		212		242	
183		213		243	
184		214		244	
185		215		245	
186		216		246	
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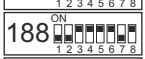
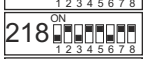
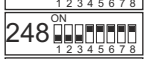
188		218		248	
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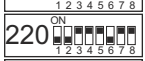
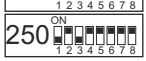
190		220		250	
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210		240			

NOTE: LED= Light Emitting Diode
LABELING EXPLANATION:
X: Self contained
1: Maintained **(*)**
A: Including test device
B: Including remote rest mode
C: Including inhibiting mode
G: Internally illuminated
***90:** 1.5 hour duration
180: 3 hour duration

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	B	C	G	1	8	0

(*) 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 interruption.
1. Follow the step 2 and 3 of the installation procedure.
2. Disconnect the connector and remove the old battery.
3. Connect the new battery with the same type (step 5 of the installation procedure) and place it in the position of the old one.
4. Follow the step 7 of the installation procedure and power the device.