

## ADDRESSABLE SELF TESTING MAINTAINED EMERGENCY LUMINAIRES WITH WHITE POWER LEDs



### TECHNICAL CHARACTERISTICS (for LED MODULE Specs. see page 4)

	GR-315/4P/ADR	GR-315/6P/ADR
OPERATION VOLTAGE	220-240V AC/50-60Hz	
MAXIMUM POWER CONSUMPTION	4.5W/7.5VA	6W/8.5VA
BATTERY (Ni-Cd)	4.8V/1.5Ah	4.8V/3Ah
BATTERY PROTECTION	From overcharge and deep discharge	
INDICATIONS - CONTROLS	Charge, lamp fault, fault indication LED, TEST button	
CHARGING TIME	24h	
MINIMUM AUTONOMOUS DURATION	90min	
ILLUMINATION SOURCE	4 power LEDs	6 power LEDs
ILLUMINATION (230V / EMERGENCY)	150/300lm	225/450lm
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	350 x 134 x 45 mm (CRV 362 x 134 x 58 mm)	
TYPICAL WEIGHT	770gr.	860gr.
GUARANTEE	3 years (1 year for the battery)	

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#### 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 SV-36500 address panel. For address operations refer to the installation manual of the panel. For address module connections see page 5. For dip-switch addressing selection see page 6, 7 and 8.

#### INSTALLATION

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

#### 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

This test can be done by pressing the test button. The light source and the emergency circuit of the device is monitored. The manual test can be conducted only if the main power supply and the battery is connected. 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 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 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 list of the technical characteristics. During emergency mode, a light source test is also performed.

### Resetting Errors

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

### Test Switch (operation of test switch in brief)

Pressing the test switch less than 5 seconds will initiate a light source test (last for 3 secs). Pressing the test switch for more than 5 seconds, the device will be reset (delete all errors).

### 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, 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 on 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.**

**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

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.

 *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.

### Mounting methods

All "Easy Light" can be mounted either surface or recess mounted in walls or suspended ceilings. For recess mounted installations, 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 Easy light luminaire there are two H shaped cut outs. These are used to install the SVR-93018 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.*

### Recess mounting in a wall

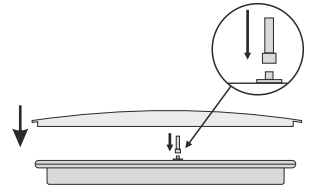
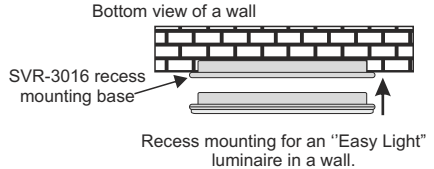
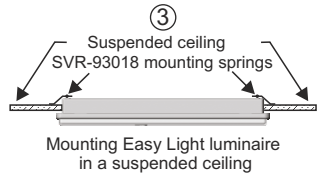
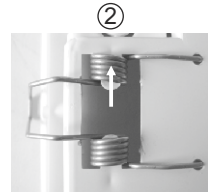
The special mounting base (SVR-3016) can be built in the wall and on it can be mounted the luminaire with the SVR-3016 included screws, following the installation instructions of the luminaire. The mounting base contains pre-etched holes for cable entry that are aligned with the cable entry holes of the luminaire.

### PLACING A-CRV PARTS

To install the curve crystal **A-CRV** you must first install the included plastic extension to mount it on the TEST button.

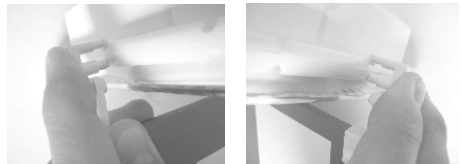
### MARKING PANEL SVR-114

A marking panel SVR-114 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 luminaires. There are 2 arrow stickers that can be placed in each side of the marking panel to point to the desired direction.



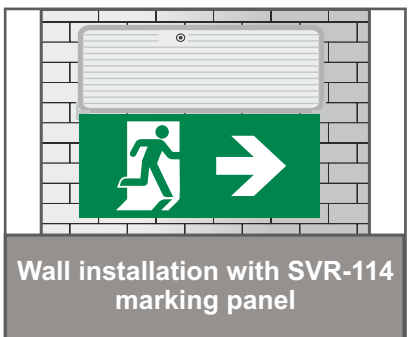
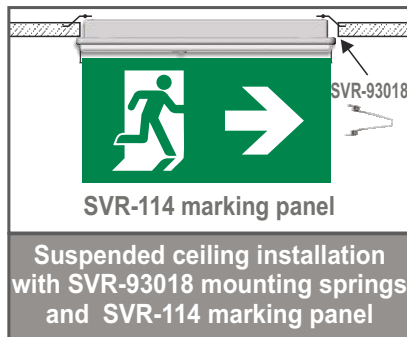
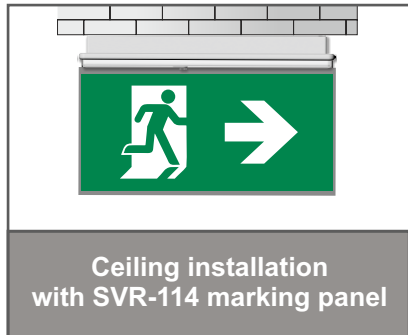
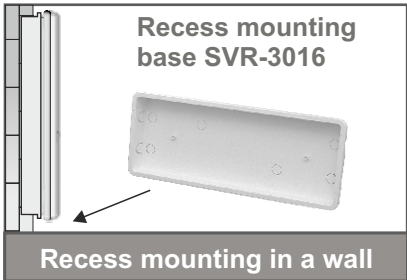
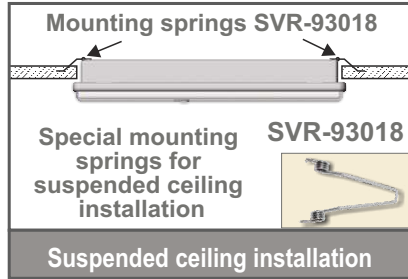
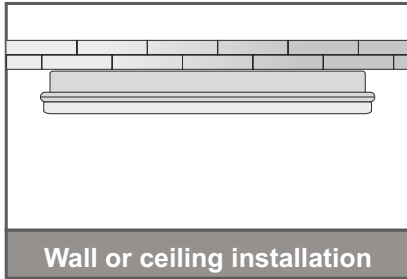
### Placing the SVR-114 marking panel

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



**NOTE!!** This marking panel (SVR type) can not be installed on CRV luminaires.

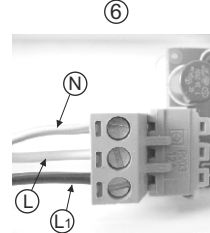
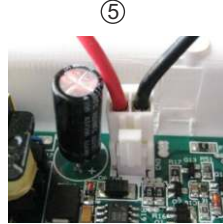
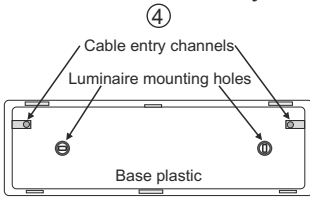
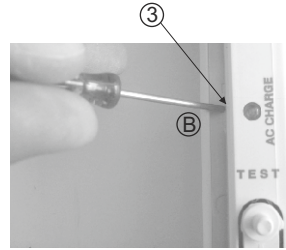
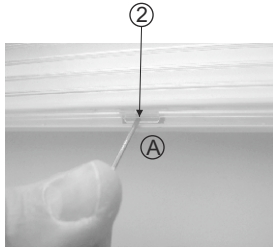
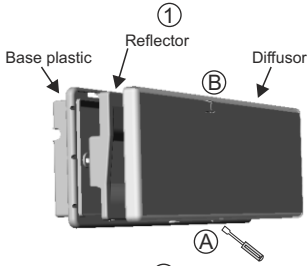
## Installation methods



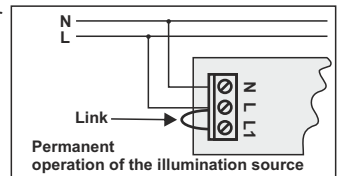
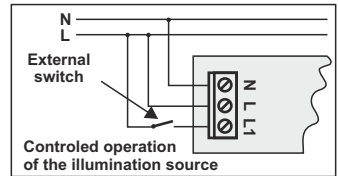
### LED MODULE CHARACTERISTICS

	<b>GR-315/4P/ADR</b>	<b>GR-315/6P/ADR</b>
Manufacturer	Olympia Electronics S.A	
Model Number	2111143	2211143
Voltage Range	11.6-13.6V DC	
Nominal Power	4W	6W
Connections	Non reversible cable connection between main pcb and led module	
Temperature (tc)	50 °C max. across the board	55 °C max. across the board

# INSTALLATION INSTRUCTIONS



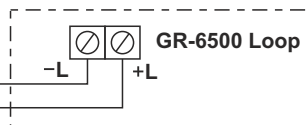
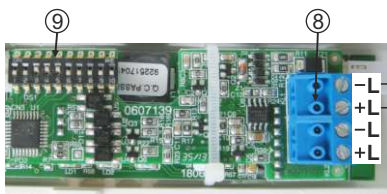
- ① To install the luminaire you must dismantle it into 3 parts.
- ② Place a flat blade screwdriver in the area **A** to release the diffuser's plastic hook.
- ③ Place a flat blade screwdriver in the area **B** to release the reflector's plastic hook.
- ④ Use the included mounting parts to mount the base plastic. Pass the mains cable through a cable entry channel. The luminaire must be connected to a permanent electrical installation to ensure the immobilization of the cable.
- 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) 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 nominal autonomy.**

## 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).



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 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8
242	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8
243	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8
244	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8
245	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8
246	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8
247	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8
248	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8
249	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8
250	ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1 2 3 4 5 6 7 8

### 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.

### 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.

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