

**GR-736/21L/MAR SELF TESTING MAINTAINED EMERGENCY LUMINAIRE WITH WHITE LED's**



**TECHNICAL CHARACTERISTICS**

OPERATION VOLTAGE	220-240V AC/50-60Hz
MAXIMUM POWER CONSUMPTION	3.5W/7VA
BATTERY (Ni-Cd)	3.6V/1.5Ah
BATTERY PROTECTION	From overcharge and full discharge
INDICATIONS - CONTROLS	Charge LED, Lamp LED, Fault LED, TEST button
CHARGING TIME	24h
MINIMUM AUTONOMOUS DURATION	180min
ILLUMINATION SOURCE	White LED's
ILLUMINATION (MAINS/EMERG.)	150lm / 150lm
DEGREES OF COVER PROTECTION	IP 20
PRODUCED IN ACCORDANCE WITH	EN 60598-1, EN 60598-2-22, 55015, 61547, 61000-3-2, 61000-3-3, IEC 60092-306, IEC 60533
OPERATION TEMPERATURE RANGE	5 to 40 °C
RELATIVE HUMIDITY	Up to 95%
CONSTRUCTION MATERIALS	Bayblend FR3010, transparent polycarbonate
EXTERNAL DIMENSIONS	350 x 127 x 85 mm
TYPICAL WEIGHT	720gr.
GUARANTEE	3 years (1 year for the battery)

Thank you for purchasing this product of Olympia Electronics. A European manufacturer.

**GENERAL**

These luminaires are suitable for marine and offshore applications where emergency light is needed. Each luminaire must be permanently connected to mains power supply. In normal operation 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.

**INSTALLATION**

To install the luminaire follow the installation instructions on page 4.

**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 (use a pointy tool with diameter of 2mm max.) briefly an operation test is initiated. During this test period all indication

LEDs are OFF.

**Automatic 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 main power supply and the battery should be connected.

**Automatic Autonomous Test**

The Automatic Autonomous Test is conducted and measures the luminaire's back up operation. This test is conducted automatically every six months. In order to be performed, the main power supply and the battery should be connected (the battery should be charged). If the battery is not charged, the test is postponed until the battery is completely charged. If during the Automatic Autonomous Test the luminaire's duration is lower than the nominal, then 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 (use a pointy tool with diameter of 2mm max.) for 5 seconds, to extinguish 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.

**ff:** No battery (No charging current)

or disconnected battery).

**Lamp Fault** with L1 connected to L

**n (with LED strip off):** Faulty LED strip (must be replaced).

**n (with LED strip on):** Problem in the back up circuit of the LED strip (must be checked by an authorized person).

**Off:** Good LED strip.

**Battery Fault**

**ff:** 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.

**!!!**

1. Operations for installation, maintenance or

testing must be done by authorized person 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 methods

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

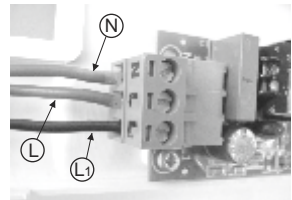
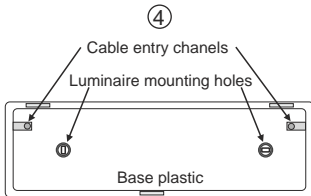
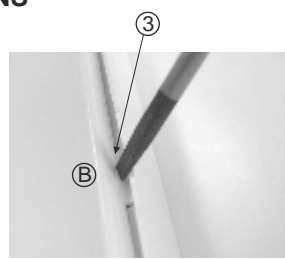
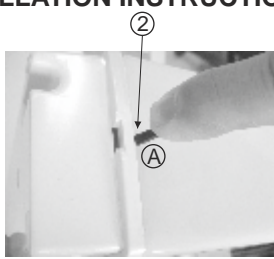
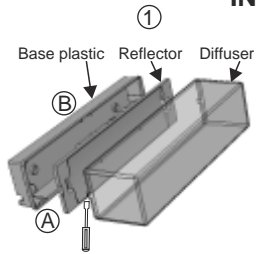


Wall installation.

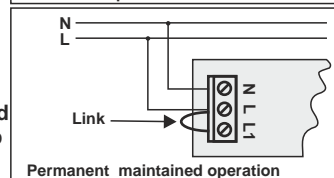
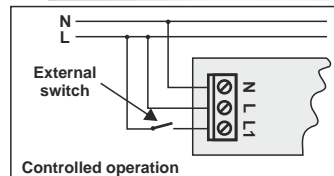


Ceiling installation.

# 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 wires to the removable terminal block.



**for neutral, L for live wire and L1 wire for the maintained operation of the luminaire.** The L1 wire can be connected to an external switch to control the maintained (or not) operation of the luminaire. For permanent maintained operation supply the unit with two wires N for neutral and L for live wire and link the L and L1 contact.

- ⑦ Refit the removed plastic parts (mind the 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.**

**NOTE:** LED= Light Emitting Diode

**LABELING EXPLANATION:**

**X:** Self contained

**1:** Maintained (\*)

**A:** Including test device

**180:** 3 hour 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.

## 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.