

SELF TESTING MAINTAINED ILLUMINATION SIGNS WITH WHITE LED's



TECHNICAL CHARACTERISTICS	SLD-28/SP	SLD-34/SP	SLD-44/SP
Mains voltage	220-240V AC/50-60Hz		
Maximum power consumption	9 VA	9.5 VA	
Battery (Ni-MH)	3.6V/1.5Ah		
Battery protection	Overcharging and full discharging protection		
Indications	Charge LED, Lamp LED, Fault LED		
Recharging time	24h		
Minimum emergency duration	3h		
Light source intensity (230V) / (emerg.)	85lm /85lm	105lm /105lm	
Degrees of cover protection	IP 30		
Produced in accordance with	EN 60598-1, EN 60598-2-22, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3, EN 1838		
Operation temperature range	0 to 40 °C		
Relative humidity	up to 95%		
Construction materials	Bayblend FR3010, aluminum, plexiglas		
External panel's dimensions	280x120x15mm	340x190x15mm	440x240x15mm
External unit's dimensions	289x65x34mm		
Typical weight	790gr.	1110gr.	1580gr.
Guarantee	3 years (1 year for the battery)		

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

GENERAL

The luminaire consists mainly from two parts, the body, where all the electronics are located and the lamp-head where the indication sign and the high efficiency LEDs are located.

Maintained to non-maintained selection capability

Power on the device and press continuously the TEST button for 10 seconds, until the led strip turns off. Release the button and after a short emergency test, the device operates as non-maintained. If you want to restore the previous condition (maintained operation), press continuously the TEST button for 10 seconds, until the led strip lights. Release the button and after a short emergency test, the device operates as maintained illumination sign.

Installation

To install the illumination sign follow the installation instructions on page 2.

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.

Battery charging

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

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.

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 named, 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 list of the first page. During emergency mode, a LED strip test is also performed.

Resetting Errors

Push the Test button 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).

AC Charge

On: Good charge current.
Off: No battery (No charging current or disconnected battery).

Lamp fault

On: faulty LED strip.
Off: Good LED strip.

Fault

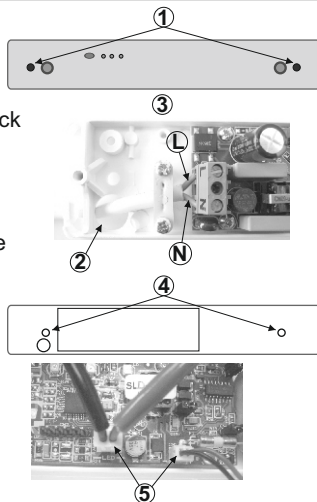
Off: Battery OK.
Blink (With AC Charge LED ON): Autonomy or low battery problem (**the battery must be replaced**).
Blink (With AC Charge LED Off): No charging current or disconnected battery.

Installation instructions

- 1 Remove the front plastic cover by unscrewing the two retaining screws.
- 2 Pass the mains cables thru the hole of the plastic base.
- 3 Connect the live and the neutral wires to the terminal block as shown in picture.
- 4 Mount the device by installing the included mounting accessories in the holes or use the A-3018 mounting springs for suspended ceiling mounting.
- 5 Install LED strip and battery connectors to the appropriate PCB connectors.
- 6 Refit the front plastic cover by screwing the two removed screws in step 1, and power on the device.

NOTE!!

After finishing the installation you must power the device at least for 24 hours for battery charging to perform the named autonomy.



ATTENTION!!

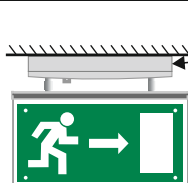
To disconnect the panel's cables, you have to power off the mains power supply and disconnect the battery.

General:

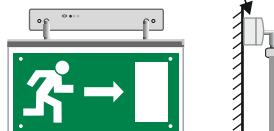
1. Operations for installation, maintenance or testing must be done by authorized personnel only.
2. The device must be connected to the mains power supply thru a fuse dependent by the total amount of the line's power load.
3. In case of battery or light source replacement, these must be replaced by 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.**

Mounting methods

When the device is mounted externally it can use the A-1028 mounting box.

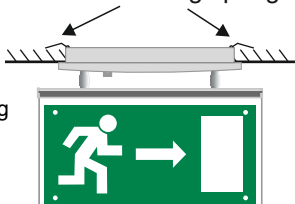


Ceiling mounting

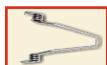


Wall mounting

A-3018 mounting springs



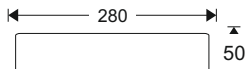
Mounting springs
for recess mounting



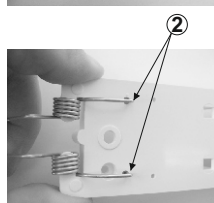
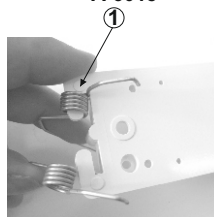
A-3018

Recess mounting in suspended ceiling

In recess mounting installation the
required opening is 280 x 50 mm.
The material must withstand the
luminaires weight.



Placing the mounting springs A-3018



- ① Place one part of the mounting spring first and then the other one.
- ② Place the edges of the mounting spring as shown in picture.

NOTE:
LED= Light Emitting Diode

LABELING EXPLANATION:
X: Self contained
1: Maintained (*)
A: Including test device
180: 3 hour duration

In case that the led strip must be replaced to ensure lumen output LED module can be replaced only by a competent personnel.

(*) 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.