

MAINTAINED EDGE EMERGENCY ILLUMINATION SIGN WITH LEDS



TECHNICAL CHARACTERISTICS (for LED MODULE Specs. see page 2)

CLD-30/NST	
MAINS VOLTAGE	220-240V AC/50-60Hz
MAXIMUM POWER CONSUMPTION	3.5W / 3.7VA
BATTERY (Ni-Cd)	3.6V/1.0Ah
BATTERY PROTECTION	Overcharging and deep discharging protection
INDICATIONS/ CONTROL	Charge LED / Test button
RECHARGING TIME	24h
MINIMUM EMERGENCY DURATION	3h
LIGHT SOURCE INTENSITY (230V) / (emerg.)	45lm / 95lm
VIEWING DISTANCE	30m
DEGREES OF COVER PROTECTION	IP40
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	Aluminum, Acrylic plate, ABS/PC
EXTERNAL DIMENSIONS (LxWxH)	310x240x51mm
TYPICAL WEIGHT	1060gr.
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 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 illumination sign you must follow the installation instructions on pages 3,4,5 and 6.

NON MAINTAINED / MAINTAINED OPERATION

There is an option to select the non maintained or maintained operation by placing the jumper to the appropriate place according to the selection procedure on page 4.

Test Button Function - Manual Test

As the luminaire is in normal operation, by pressing the test button and holding it, you can check the emergency operation of the luminaire. When you stop pressing the button, the luminaire returns to normal operation. The manual test can be conducted only if the mains power supply and the battery is connected.

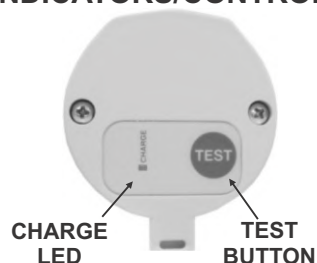
Indication LED status (with connected mains power supply).

Charge

On: Good charge condition.

Off: No battery (No charging current or disconnected battery).

INDICATORS/CONTROLS



ATTENTION!!!

1. Operations for installation, maintenance or testing must be done by authorized personnel only.
2. The luminaire must be connected to the mains power supply through a fuse dependent on the total amount of the line's power load.
3. It is suggested to check every month the indication LED for battery charging, and by pushing the TEST button to check the emergency circuit. The led strip should light as long as the TEST button is pressed. If the luminaire doesn't work as described above contact the installer.
4. It is suggested to check every 6 months the minimum autonomous duration by disconnecting the mains power supply. Count the time that the led strip lights and in case of less time than the minimum autonomous duration the battery must be replaced. If the measured time is considerably less than the minimum autonomous duration contact the installer. In case of battery or led strip

replacement, these must be replaced by parts of the same type, by the manufacturer or by a competent person.

5. In case of inactive use for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.

6. **It is not allowed to discard batteries in to common trash bins, they must be discarded only in battery recycling points. Do not incinerate.**



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.

LED MODULE CHARACTERISTICS

LED MODULE CHARACTERISTICS	
CLD-30/NST	
Manufacturer	Olympia Electronics S.A.
Model Number	2602185/15LED
Voltage Range	2,8-3,3V DC
Nominal Power	3W
Connections	Plug in connection (take care of orientation between the main pcb and led module)
Temperature (tc)	40 °C max. across the board

NOTE: LED= Light Emitting Diode
LABELING EXPLANATION:

- X:** Self contained
- 1:** Maintained (*)
- A:** Including test device
- G:** Internally illuminated
- 180:** 3 hours 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.

INSTALLATION INSTRUCTIONS

ELECTRICAL CONNECTIONS

1. Dismantle the luminaire by pushing the lock/unlock button and slide the luminaire to the right and pull it down.
2. Pass through the cables from the entry hole and connect them as shown on the picture. *The battery must be connected (see the battery installation process on page 4).*
3. Place upwards the luminaire and slide it to the left. The lock/unlock button appears indicating that the luminaire is securely installed.
4. Power on the device.

FLAG MOUNTING INSTALLATION (optional)

Install the flag mounting base on the wall (page 4) and perform the respective steps of the electrical connections.

SURFACE MOUNTING ON A WALL (single sided)

Install the included bracket on the wall (page 4) and perform the respective steps of the electrical connections.

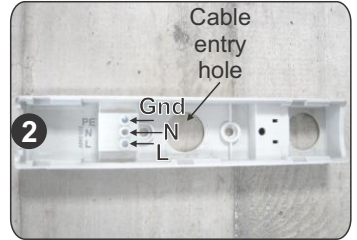
CEILING INSTALLATION

Install the mounting base on the ceiling (page 4) and perform the respective steps of the electrical connections.

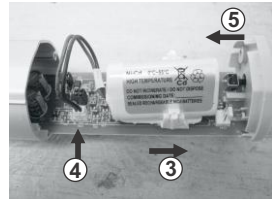
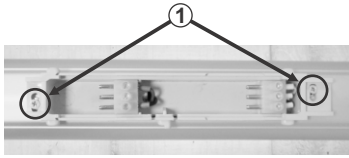
HANGING INSTALLATION (optional)

Install the mounting base (tube) on the ceiling (page 5) and perform the respective steps of the electrical connections.

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



BATTERY INSTALLATION AND REPLACEMENT PROCESS



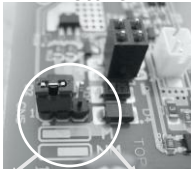
1. Dismantle the luminaire step 1 of the installation instructions (page 3). Unfasten the 2 screws, and gently remove the plastic base from the aluminum profile.
 2. Unfasten the 2 screws without moving the marking panel.
 3. Slide out carefully the electronic parts. **Be careful to support the marking panel.**
 4. Install the battery's connector or replace the battery with a new one with its battery's connector to the appropriate P.C.B connector.
 5. Slide in carefully all the electronic parts (*take care of the battery cables*).
 6. Refit the marking panel and fasten the removed screws in step 2, and then, the screws of the step 1. Follow the step 3 and 4 of the installation instructions (page 3)
- WARNING!!** Use a maximum torque of 0,5Nm to tighten the screws.

NOTE!!

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.

NON MAINTAINED/ MAINTAINED SELECTION PROCESS

Picture 1



Maintained operation
 Non Maintained operation

By default the selection is “maintained operation” (see pict. 1).
For non maintained operation follow the steps below:

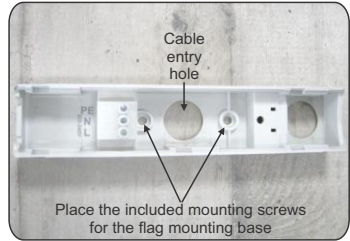
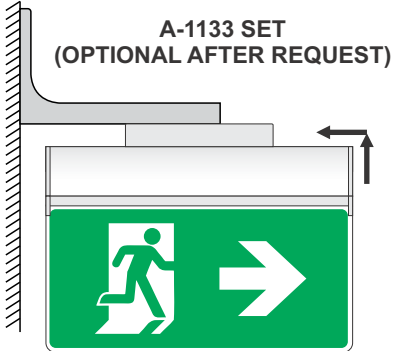
1. Follow the steps 1,2 and 3 of the above procedure
2. Place the jumper on the middle and right terminals which are on the board.
3. Follow the step 6 of the above procedure.

NOTE!!

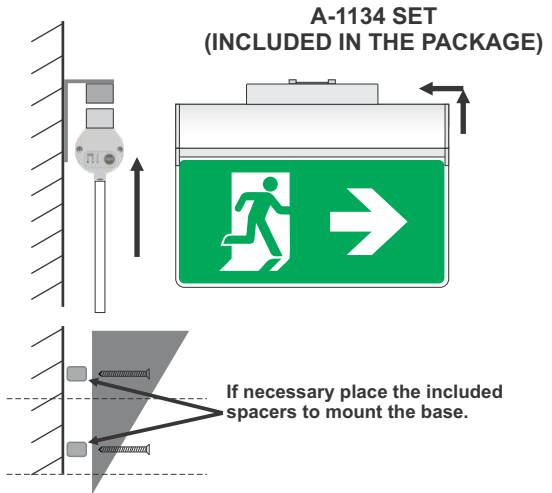
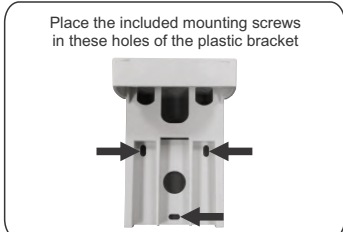
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MOUNTING METHODS

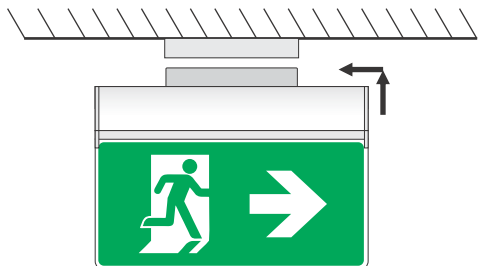
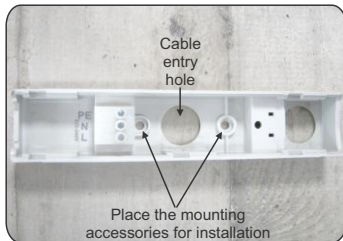
FLAG MOUNTED ON A WALL



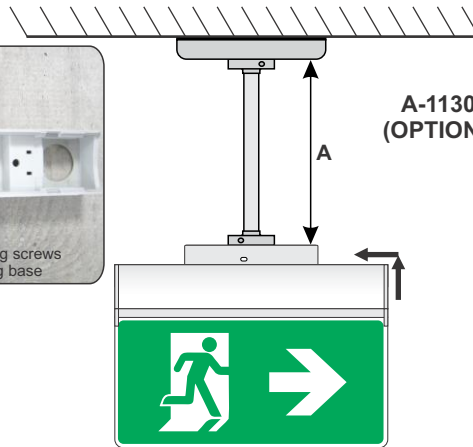
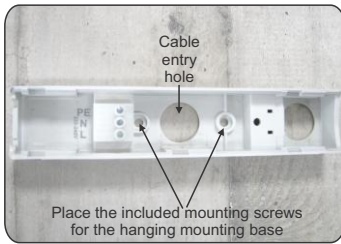
SURFACE MOUNTING ON A WALL (single side luminaire)



CEILING MOUNTED

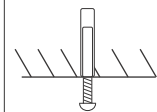


HANGING INSTALLATION



A-1130, A-1131, A-1132 SET
(OPTIONAL AFTER REQUEST)

Tube	
A-1130	A=1m
A-1131	A=0.5m
A-1132	A=0.25m



GENERAL!!

Measure the distance of the mounting holes and after the drilling place on these spots the mounting plugs and fasten the base with the mounting screws.

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.

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