



## Package Contents

1	Luminaire
1	Set of Pictograms
1	Surface mounting accessories
1	Decorative rim
1	Recess mounting accessories
1	Manual

## General

These devices are used indoors (ta 40°C) in places where emergency light is needed. Each device must be permanently connected to mains power supply. In normal operation the battery is charging. In case of a mains power supply failure, the device enters emergency mode and the illumination LED turns on. When the mains power supply is restored the device turns to normal operation.

### Battery Charging

The battery charging is completely controlled by microprocessor and is protected from complete discharge and overcharge.

### Battery Cut-off

The luminaire enters in this mode when the mains power supply fails and battery has lost its energy. During this mode the luminaire enters the idle state and battery consumption is negligible, in order to be protected from deep discharge.

### Automatic Operational Test

This test is conducted automatically every 15 days and lasts 3 seconds. In order to be performed, the mains power supply and the battery should be connected. The light source and the emergency circuit of the device are tested.

### Automatic Autonomy Test

The Automatic Autonomy Test tests the device's back up operation and emergency duration. This test is conducted automatically every 6 months and its duration is the stated autonomy duration of the luminaire. In order to be performed, the mains power supply should be connected and the battery must be 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 will permanently be on and the battery must be replaced.

## Indications LED Status

CHARGE (green)	LAMP FAULT (red)	BATT. FAULT (yellow)	Description
●	⊗	⊗	Charging
●	∅	∅	Fully charged
∅	∅	∅	Battery fault or emergency mode
∅	●	∅	Operational test
∅	●	∅	Light source fault
∅	∅	●	Autonomy test
∅	∅	●	Duration fault

### Note:

●	Permanently ON
●	Blink
∅	Off
∅	Indifferent

### Back Up Operation

The autonomy duration of battery during emergency mode must be at least as the one stated in the list of the technical characteristics. During emergency mode, a light source test is also performed.

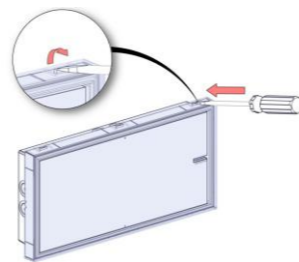
### ATTENTION!!!

- Operations for installation, maintenance or testing must be done by authorized personnel only.
- The device must be connected to the mains power supply through a fuse that is dependent on the total line's power load.
- In case of battery replacement, it must be replaced by the same type, by the manufacturer or a competent person.
- In case of inactive use for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.
- The control gear within this luminaire is a built in control gear which relies on the luminaire for protection against electric shock.
- The control gear is proof against supply voltage polarity reversal.
- This control gear has mains connected primary windings.
- It is not allowed to discard batteries into common trash bins, they must be discarded only in battery recycling points. Do not incinerate.**

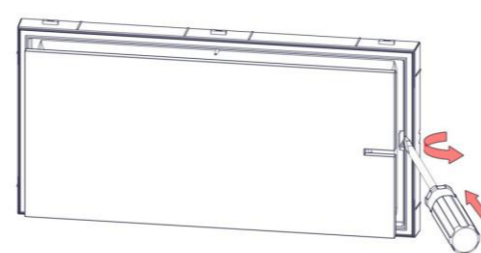
### Connectors

- KL1:** Power connector  
**KL2:** Non user terminal  
**CN4:** Battery connector  
**CN5:** LED connector  
**CN6:** Non user connector  
**CN7:** Non user terminal

## Installation Instructions

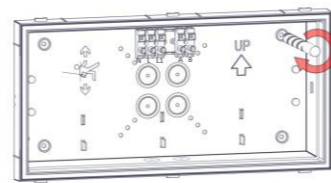


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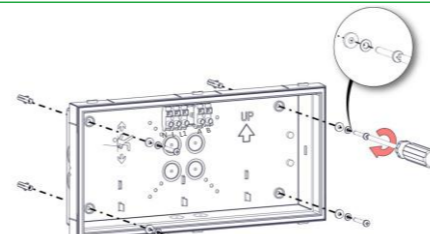


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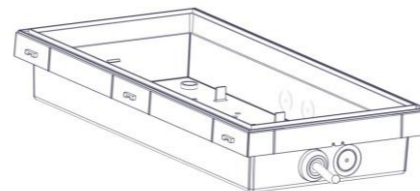
**ATTENTION!!!** Do not use force while pulling the light source because this may cause damage to the luminaire.



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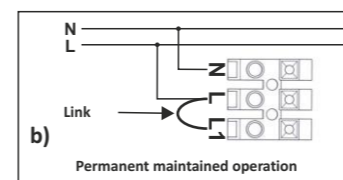
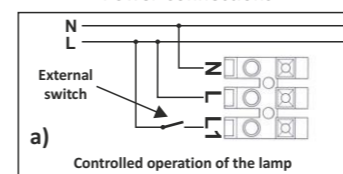
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Always use in any case round mains cable, with a diameter of 5-10mm (H05RN-F type 2x1mm<sup>2</sup> or any other type, at least equal to it's mechanical and electrical properties). **ATTENTION!!** The cable must not be deformed in any way (This requirement is important to ensure the IP rating).

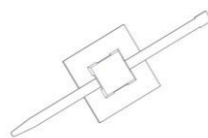
### Power Connections



N for neutral, L for live wire and L1 for the maintained operation.

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### Battery Connection

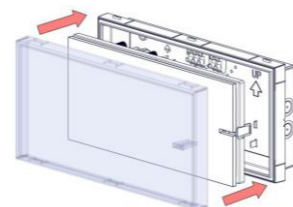


Install the included tie (if needed) to fasten securely the power cables.

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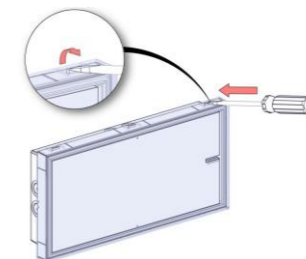
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This unit has replaceable batteries and contain replaceable address module that can be replaced or changed by the manufacturer or a competent person.

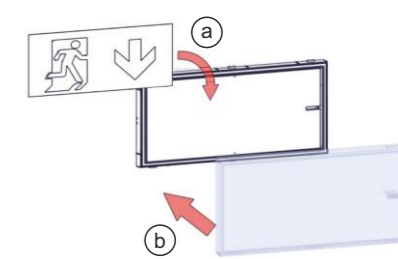
## Commissioning

- After installation, a 24 hours charging cycle must be completed, in order to achieve the nominal autonomy.
- During commissioning of the luminaire write the commissioning date on the battery.
- When power is applied to the unit inspect that the CHARGE indicator is either blinking or steady, all other indicators are OFF and that the led lamp is lit (maintained operation) or OFF (non-maintained operation)
- A full duration test should be conducted after verifying that the CHARGE indicator is continuously ON. Test is initiated by isolating the mains power supply. Verify that the LED lamp is lit during the test period for at least the stated duration.

## Pictogram Installation



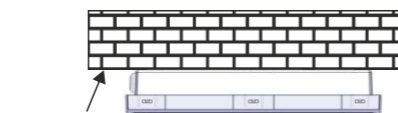
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## Mounting Methods

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



Wall bottom view  
Wall installation

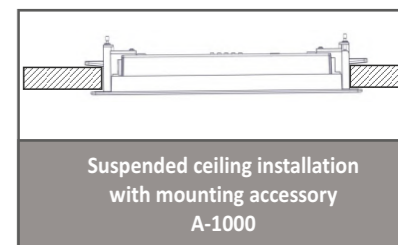


Ceiling installation

## Extra Mounting and Marking Methods \*

### Suspended installation with A-1000 accessory

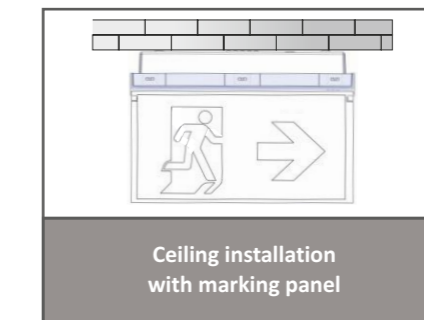
The luminaire can be installed in a suspended ceiling. For more information refer to the manual of A-1000.



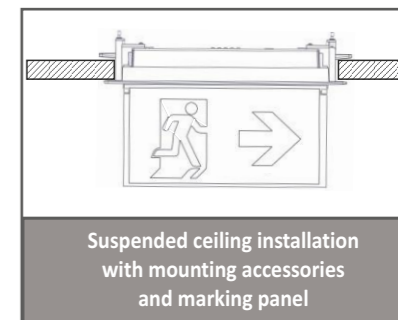
Suspended ceiling installation with mounting accessory A-1000

\* **ATTENTION!!!** The below markings can be done after request of the necessary accessories!!

A marking panel (SP-1000) can be installed on the luminaire pointing the desired direction.



Ceiling installation with marking panel



Suspended ceiling installation with mounting accessories and marking panel!