

LED indicator

The green LED indicator is located on the front surface of the LED lamp head. The LED indicates the mains supply is ON and is healthy and the battery is charging. It should be always ON when the mains supply is ON.

When the lamp is in auto-test mode, LED indicator becomes red.

If LED indicator starts flashing red it signals a battery failure. In a case of quick flashing red it informs about shorter than nominal autonomy time.

Manual test

(Concerns versions with manual test function)

Pressing and keeping the button on lamp head makes it passing into emergency mode. Green LED indicator stops lighting, LED lamp will light using battery power instead of mains supply. Releasing the button stops manual testing.

Auto test

(Concerns versions with auto test function.)

After emergency lamp is installed it will perform automatic tests:

1. Function test

It will be conducted once monthly for 10 min. The testing checks if the lamp is healthy and ready for emergency operation. After 10 min. it will go back to normal operation.

2. Autonomy test

It will be conducted once yearly during nominal lamp autonomy time (e.g. 3 h). This testing checks if the lamp is healthy and its autonomy time equals to the rated nominal value (e.g. mentioned 3 h). After the test is finished, the lamp will go back to normal operation.

Function of a manual switch

In auto test versions, the manual switch on the lamp head has two functions:

1. Pressing the button for 1 s initiate timing start.
2. Pressing the button for 3 s lights LED indicator and initiate auto test procedure for 5 min.

Handling of obsolete equipment



Pursuant to the Act of 29 July 2005 on waste electrical and electronic equipment and the Act of 24 April 2009 on batteries and accumulators, the presented device, after use, due to hazardous substances contained in it, is subject to collection of waste electrical and electronic equipment. Detailed information on WEEE collection can be obtained from municipal authorities



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INSTRUCTION MANUAL

General remarks

1. The installation of this product must be done in accordance to the information enclosed in this manual and carried out by a qualified electrician
2. Before installation make sure that electrical supply line is isolated.
3. Before operation please check if the voltage of mains supply is same as the input voltage of this product.
4. This fitting is supplied with the Ni-Cd battery pack, not pre-charged.
5. The product needs to be charged for 24 hours before first emergency operation. If not used regularly, it should be charged every three months.
6. The battery should be changed after the luminaire no longer meets its rated duration. It is recommended to change it minimum every four years.
7. The product is delivered with an open space lens as a standard. If a corridor lens is needed, a separate kit consisting of a lens and a lens cover must be ordered for replacement.

Characteristics

Rated voltage: 220-240VAC 50/60 Hz
 Light source (non-replaceable): Power LED 3W or 5W
 Max power *: 3W - 9W
 Luminous flux *: 110lm (for 3W) or 188lm (for 5W)
 Battery pack (replaceable) *: Ni-Cd, 3.6V 3Ah HT (for 3W) or 3.6V 4.5Ah HT (for 5W)
 Emergency autonomy: min. 3h
 Full charge time: max 24h
 Ambient temperature: +10°C - +55 °C
 Module: Starlet White
 Operating modes: SA (M) - maintained or A (NM) - non-maintained
 Test functionality: MT - manual test or AT - autotest
 * depending on version

The installation must be done in accordance to the following points and corresponding drawings. The battery must not be covered by an insulation or any other material which might cause it to overheat.

1. Hole in ceiling

Drill an appropriate (Ø70-75mm) hole in the ceiling. The maximum ceiling thickness is 10mm.

2. Terminal cover

Open terminal cover.

3. Terminal connections

Connect the mains supply to the fitting according to the information below, the fitting must have a permanent mains supply to keep the battery fully charged.

Terminal LIVE (L) – to be connected to power supply directly (phase L, usually brown or black wire). Switching power supply on is signalled by lighting of green LED indicator on lamp head. Switching power supply off implies passing into emergency mode.

Terminal NEUTRAL (N) – to be connected to neutral wire (N, blue wire).

Terminal EARTH (E) – to be connected to protection earth wire (PE, yellow and green wire). Such basic wiring allows to lamp to work in non-maintained mode ("NM"). Connect a switched live (marked "Ls") if the unit is required to operate in the maintained mode ("M").

Terminal Ls – or Lsw or L1, is used to choose emergency mode: NM-non-maintained or M-maintained. If lamp should work in NM mode then terminal "Ls" must be left not connected. If lamp should work in M mode then terminal "Ls" must be connected to terminal "L" (i.e. phase "L" must be connected also to "Ls").

4. Connecting fitting parts together

Connect both lamp head and battery pack to electronic module using dedicated wired connectors.

5. Hiding electronics and battery

Feed the module and battery through the hole in the ceiling and spread them on the ceiling evenly.

6. Installing lamp head.

Fix the lamp head in a target position using two spring clips.

7. Connecting mains supply

Switch on the mains supply and check if the green LED is ON (take care not to look directly into high brightness LED as this could cause a damage to the eyes).

