

RECOMMENDED PERIODICAL MAINTENANCE

The lighting fitting should be tested on regular basis in accordance with valid laws and regulations. The results of the tests should be recorded and stored for the use of a fire safety inspector.

One time daily

It has to be visually checked if the LED indicator in the lighting fitting lights up green.

One time each month

It is necessary to disconnect AC power supply for 30 seconds and check whether the lamp is operating in emergency mode - the LED indicator will turn off, and the fluorescent lamp will turn on at decreased light output.

One time each year

Disconnect the AC power supply and test if the lamp operates in emergency mode for a specified time. If the time of emergency operation is not sufficient, the battery needs to be fully recharged and the test is to be carried out again. If the result of the test continues to be negative, the battery needs to be replaced. It is recommended to replace the fluorescent light one time each year, regardless of its operation.

CAUTION!

*All damage that may occur as a result of the device being used contrary to this instruction will result in loss of guarantee. **The guarantee shall not cover the light source and batteries.***

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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VEGA2 EMERGENCY LIGHTING FITTING

Installation and maintenance instructions



TECHNICAL SPECIFICATIONS:

Light source:	1x8W TL-5
Operating modes:	SA - mains and emergency operation or A - emergency operation (depending on model)
Emergency operation duration:	1 hour or 3 hours (depending on model)
Battery:	Ni - Cd 4500mAh / 2.4V (for 3h model) Ni - Cd 1800mAh / 2.4V (for 1h model)
Battery charging duration:	24h
Power supply:	220 - 240V AC 50Hz
Enclosure IP rating:	IP65



INTRODUCTION

1. The lamp should be installed when power supply is off. Safety rules, construction and electrical installation standards should be observed at all times.
2. The lighting fitting should not be powered with circuits connected to inductive power-receiving devices at the same time. This type of solution may cause damage to the electronic module of the lighting fitting.
3. The lighting fitting should be used indoors.

INSTALLATION

1. Before installation one has to make sure that the lighting fitting will be connected to 220-240VAC power supply by the use of minimum a 1.5mm² wire.
2. Take off the lamp shade by removing two screws.
3. Unscrew the lamp lid from the body at the indicated points. Next open the lid, leaving it on hinges.
4. Cut out an opening in the body for power supply wires. When making openings in the body, bear in mind the IP rating of the body and use appropriate sealing afterwards. Rubber bushings are recommended.
5. Install the body of the lighting fitting on the wall or ceiling, making the information label visible for persons who will carry out testing in future.
6. Isolate AC power supply.
7. The description of lighting fitting terminals:
L - phase wire - brown or black insulation colour; power source for battery charging; the presence signalled by LED indicator.
ZW1, ZW2 - jumper enabling the operation mode of the lamp (emergency, mains and emergency)
N - neutral wire - blue insulation colour
PE - earth wire - yellow and green insulation colour
8. **EMERGENCY OPERATION.** To enable emergency operation of the lighting fitting the AC mains power has to be connected to appropriate terminals **L** (phase) and **N** (neutral) on the PCB. Please remember about connecting the earth wire. The lighting fitting should be constantly supplied by power - voltage decay will result in emergency mode activation.
9. **MAINS AND EMERGENCY OPERATION.** For the mains and emergency mode of the lighting fitting, the AC mains supply needs to be connected to relevant terminals: **L** (phase) and **N** (neutral) on the PCB. Please remember about connecting the earth wire. In addition, a jumper must be installed between **ZW1** and **ZW2** terminals. Phase loss **L** will cause automatic activation of the emergency mode.
10. Please remember to indicate the date of installation on the label attached to the battery.
11. Put in the battery plug into the socket on the PCB.
12. Close the lid, tightening the lid to the body with screws.
13. Install the fluorescent tube.
14. Install the shade.
15. For operation testing - activate the AC power supply. The green LED indicator should light up, signalling the battery charging.
16. First-time charge of the lighting fitting (battery) should be carried out continuously for 48 hours, due to the characteristics of Ni-Cd batteries. This will allow appropriate formatting of the battery pack. During the first-time charge, no testing should be carried and power supply should not be disconnected for any other purposes. Power supply should be disconnected after 48 hours for the first time. The lighting fitting should complete a full emergency operation cycle, after which it should be connected to power supply for another 36 hours. This sequence shall complete the formatting cycle.

OPERATION

Emergency operation mode

In this mode the lamp does not operate when powered by AC supply voltage. Correct operation of the device is confirmed by LED indicator lighting up green. Battery is continuously topped up for the purpose of possible emergency operation. When AC power supply is off, the lamp automatically starts operating in emergency mode and the source of light is activated for the period specific for particular model.

Mains and emergency operation mode

In this mode the lamp does not operate if an AC power supply is on. Correct operation of the device is also confirmed by LED indicator lighting up green. Battery is continuously topped up for the purpose of possible emergency operation. When AC power supply is off, the lamp automatically starts operating in emergency mode and the source of light is activated for the period specific for particular model.

Information on lamp operation

The lamp is operating correctly and the battery is being charged if the LED indicator lights up green. If the indicator does not light up, the lamp is not operating with AC power supply on or the battery has been damaged.

Battery

The lamp is equipped with a rechargeable Ni-Cd battery. Please remember to carry out the correct first-time charge cycle. It is crucial with this type of batteries - it determines the battery capacity and its life during subsequent operation. One time every four years of operation or in the case of negative testing results it is recommended to replace the battery. Obsolete batteries are recyclable products that should be disposed to a recyclable waste collection point.

FAULTY OPERATION AND ITS POSSIBLE DIAGNOSIS

LED indicator does not light up.

AC power failure or the battery not connected or damaged.

The lighting fitting does not operate in emergency mode the required time for the selected model

It is possible that the battery requires a full charge cycle (48h). If after 48 hours of charging the lamp still does not maintain a given operation time, it is possible that the battery is worn out or damaged due to possible incorrect formatting and needs to be replaced.

The lamp does not produce its full light output

If the ends of fluorescent lamp begin to fade away, it must be replaced. If the fluorescent lamp continues to fail producing its full light output, the PCB requires replacing.