

LEDTEK® Installation Sheet

3W LED Non Maintained Emergency Downlight

   220-240V 3W

Please read these instructions before commencing installation & retain them for future reference.

Important information

It is recommended that luminaires are installed by a qualified electrician ensuring the installation complies to current IEE wiring regulations & local building control.

- These products are designed for connection to a 220-240V mains supply.
- Any broken or damaged parts should be replaced as soon as possible.
- We will not accept responsibility for any claims arising from a poor installation.

Important User Advice

- Always switch off mains supply before servicing.
- This luminaire is suitable for indoor use only and should not be fitted to damp or wet surfaces such as freshly plastered or painted walls or ceilings.
- Use only with the driver/inverter provided. Do not connect directly to the mains.
- This product is designed for permanent connection to fixed wiring: this must be a suitable circuit (protected with the appropriate MCB or fuse).
- Do not cover the fitting, battery and driver with any insulating materials.
- The driver should be placed where it cannot come into contact with water or moisture.
- This product is double insulated; do not connect any part to earth or the blue/brown wires to the earth terminal.

Cleaning

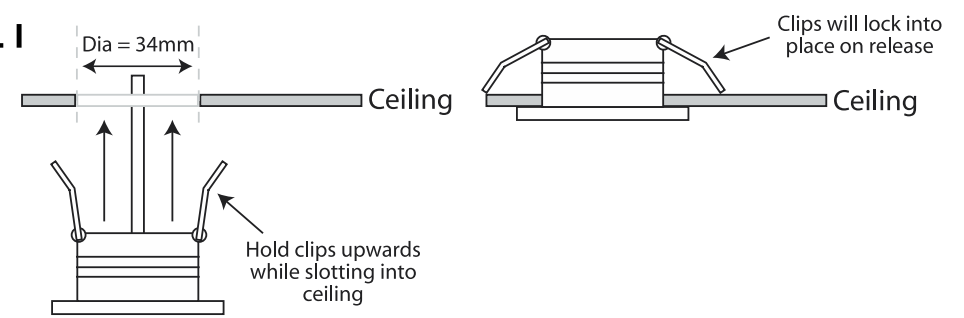
- Clean this product only with a soft dry cloth and do not use any chemical or abrasive cleaners.

Installation Procedure

We recommend

- Choose the location for the new fitting taking the above points into consideration.
- Mark the locations of your downlight and then using an appropriate hole cutter, make a 34mm diameter hole. See **fig.1**.
- Prepare the route for the mains cable and feed through the hole and make the L & N connections to the input side of the driver/inverter.
- Feed the driver/inverter through the hole, followed by the battery pack, which can lay adjacent to the hole.
- Feed the excess cable through the hole and press the down light into position until it is retained by the springs (see **fig.1**). The fitting may require some manipulation in order to pass through the hole. Do not enlarge the hole to make fitting easier.
- Restore the power and check fitting is working correctly. The LED will illuminate green on normal operational mode, which indicates the fitting is charging. On mains power failure the LED will illuminate white light continuously for 3 hours minimum.

Fig. 1



Operations Check

Periodic testing should be carried out monthly by simulating a failure of supply, causing the fitting to be energised from its battery. Interruption of the supply should be carried out by the operation of a local key switch or other isolation device. During this period all fittings should be examined visually to ensure that they are functioning correctly. At the end of the test period the supply should be restored and all indicator lamps or devices checked to ensure that the normal supply has been restored.

The duration of the simulated failure should be:-

Each month:

Isolate the power supply and check the light is illuminated. This test should last for no more than 45 minutes. Complete the test record form supplied.

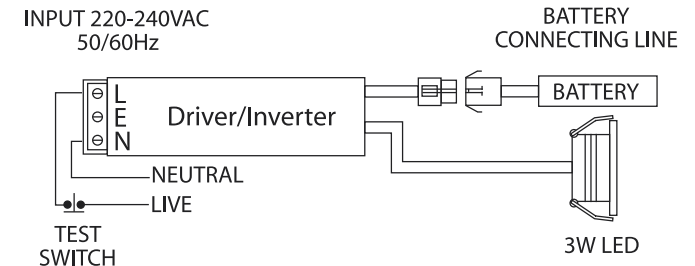
Every six months:

Isolate the power supply and check that the light is still illuminated after 1 hour.

Once each year:

Isolate the power supply and check that the light is still illuminated after 3 hours. Complete the test record form.

Wiring Diagram:



Battery replacement:

If after routine operation check, the lamp does not remain lit for the three hour period, a new battery pack may be required.

- 1) Switch off the electricity at the mains and allow batteries to fully discharge then reconnect to supply and allow charging for 24 hours.
- 2) Test again for 3 hours, if light does not remain lit, then change the battery pack as follows:

- Unplug the battery plug lead from the socket and re-plug the new battery.
- Restore power and allow charging for 24 hours.
- Perform full operation check and update test record.

Replacement battery type: 4.8V SC1800mAh Ni-Cad - 4 x C Cell.

