



# 6W Fixed LED Downlight Installation Instructions

50247



These instructions on wiring and installation are provided as a guideline to assist you. Some experience of electrical wiring and do-it-yourself is required to install the light fitting. If at any time you are unsure of how to proceed, **you must consult a qualified electrician.**

## Warning



This unit is Safety Extra Low Voltage and must not be earthed. If there are any incoming earth cables, they must be joined together and well insulated with good quality insulation tape. This is to ensure earth continuity throughout your property.

Please read these instructions carefully before commencing any work.

This unit must be fitted by a competent and qualified electrician.

Install in accordance with IEE Wiring regulations and current Building Regulations.

This system operates at Safety Extra Low Voltage, via the supplied LED driver. Never connect the light fittings directly to the mains without using the supplied LED driver.

Always disconnect the LED driver from the mains when installing or maintaining this system.

To prevent electrocution switch off at mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electrical supply without your knowledge.

This light fitting should be connected to a fused circuit.

If replacing an existing fitting, make a careful note of the connections.

This fitting must always be fitted to a plasterboard ceiling. This must not be fitted to a lath and plaster ceiling

This system contains non-replaceable parts and cannot be serviced. If damage occurs the part should be scrapped.

This product is not suitable for dimming.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

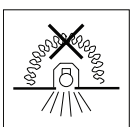
## **Layout**

- Ensure that there is adequate ventilation for the transformer.
- Avoid locating any cables in positions that would cause a hazard. Position cables and junction boxes (not supplied) away from areas where they may be at risk from being cut, trapped or damaged
- The mains supply cable must have a minimum cross sectional area of 1.0mm<sup>2</sup>.
- The distance between units must be 0.5m minimum.
- The unit must be located 0.2m away from a joist.
- This product must be mounted out of arms reach.

## **Installation**

Existing fittings must be completely removed before installation of a new product. Before removing the existing fitting, carefully note the position of each set of wires.

- Position the LED Driver next to the mains outlet that the system will connect to. Do not connect at this stage.
- Cut a 66mm diameter hole using an appropriate tool.
- Ensure that the void depth is a minimum of 150mm.
- It is recommended to cut the hole slightly smaller than needed, then file the hole until the recessed unit fits snugly.

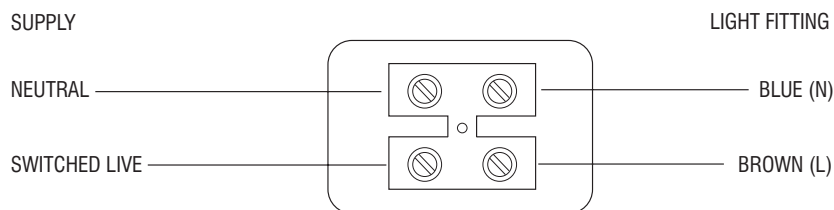


Ensure free movement of air around the fitting by removing any roof void insulation from at least 150mm around the hole. Under no circumstances must these fittings be covered with insulating matting or similar material.

## Wiring

Having correctly identified the wiring from your existing light fitting, pull the wire through the hole and connect to the connection block inside the LED driver in the following way:

This unit is double insulated and must not be earthed. If there are any incoming earth cables, they must be joined together and well insulated with good quality insulation tape. This is to ensure earth continuity throughout your property.



## Check that.....

You have correctly identified the wires.

The connections are tight.

No loose strands have been left out of the connection block.

## Commissioning

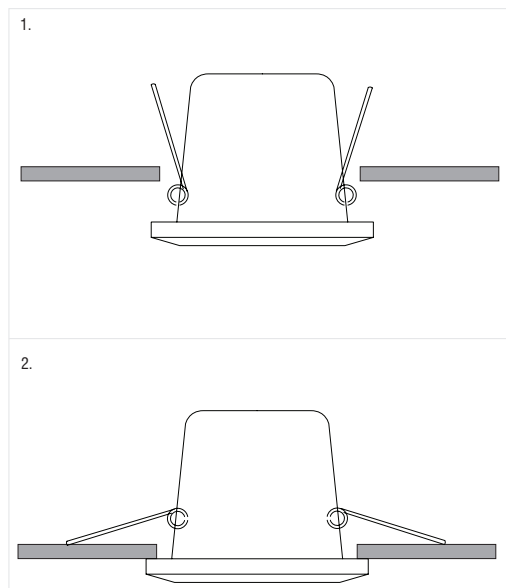
The ceiling surface must be flat and smooth to ensure a good fit.

Ensure that the LED driver is sitting away from the unit and has good ventilation.

Push the spring clips upwards and fit into the ceiling hole, then push the unit up until firmly in position, ensuring that no cables are trapped.

Ensure that the product is sitting properly in the hole.

Replace fuse or circuit breaker and switch on. Your light is now ready for use.



## Fitting/Replacing the bulb

The LED's in this product are non replaceable

## Care and cleaning

Finish - We recommend cleaning with a soft dry cloth. Do not use abrasive materials as these will damage the finish.

## Safety Information

For your safety, always switch off the supply before changing lightbulbs, cleaning or removing shades.



Waste electrical products should not be disposed of with normal household waste. Please recycle where facilities exist. Check with your Local Authority for recycling advice.