

## **WARNING**

**THIS PRODUCT USES A VERY HIGH POWER LED. AS WITH ANY LIGHT SOURCE DIRECT VIEWING SHOULD BE AVOIDED.**

**NOTE: ALTHOUGH EASY TO FIT THIS LAMP REQUIRES WIRING TO THE MAINS AND FOR SAFETY SHOULD ONLY BE FITTED BY A QUALIFIED ELECTRICIAN.**

**HAVING ISSUED THIS WARNING LITEWAVE LTD ACCEPTS NO RESPONSIBILITY FOR ISSUES ARISING FROM ANY FAILURE TO COMPLY WITH THIS CLEAR INSTRUCTION.**

**LITEWAVE LTD. WILL NOT ACCEPT RESPONSIBILITY FOR ANY OTHER ISSUES ARISING FROM IMPROPER USE OR FITTING OF THIS PRODUCT AS THESE MATTERS ARE BEYOND OUR CONTROL.**

## **Installation**



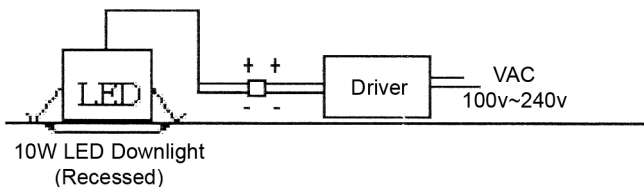
If you have existing holes in the ceiling you can enlarge them to 92mm for the new light fitting to fit in place. Assuming you have a plasterboard ceiling the best tool for this is a hole saw, available from any good DIY shop. **Care should be taken when using sharp tools.**

For a new installation you will need to decide upon the best location for the light/s, make sure there are no rafters or joists where you intend to locate the light fitting. There will also need to be a space in the void of the ceiling space to accommodate the body of the lamp fitting.

## **Wiring**

The LED lamps are supplied with a driver (transformer) this MUST be used to reduce the mains supply voltage to the correct voltage for the LED Fitting.

The Driver has 2 wires on each side, it is clearly labelled showing the input from the mains(left side) and the output to the lamp (right side).



Once wired place the Driver into the ceiling void then push the lamp into the ceiling recess whilst holding the two spring clips close to the body of the lamp.

Once installed switch on the power, after about 1 second the lamp/s will light. **The delay is normal and is due to the soft-start circuitry of the Driver.**

**The Driver should be located in a dry area. Only 1 LED Downlight should be powered from a single driver.**

## Warranty

This product is warranted from manufacturing defect only. This warranty is valid for 1 year from the date of purchase. This warranty does not apply to damage caused by user installation or normal wear and tear. The Litewave Ltd gives no warranty against damage to any surface due to removing or applying this product.

Please follow instructions and warnings carefully.

## Specifications

|                         |                          |
|-------------------------|--------------------------|
| Nominal supply voltage: | 110-240vdc Volts DC (1)  |
| Light Dispersion:       | 90-120 Degrees           |
| Lifetime :              | ~ 40,000 hours           |
| LED Type:               | 10 Watt LED Light Engine |
| IP Rating:              | None                     |

## Tools Required:

Hole Saw / Hole Cutter  
Flat Screwdriver

**Care should be taken when using sharp tools.**

Additional items that may be required; Mains Cable, Terminals Blocks



## Resources

To see the full Litewave product range visit <http://www.litewave.co.uk>

## Environmental Information



At the end of this product's usable life it should be disposed of according to WEEE regulations, which means it should be taken to your local municipal site for safe disposal/recycling.

## Safety Information:

- Keep away from children
- The product itself and all its components should not be mechanically stressed.
- Installation must not damage or destroy conducting paths or other parts of the product
- Installation of LED product (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Correct electrical polarity needs to be observed. Wrong polarity may damage or destroy the LED product.
- Parallel connection is highly recommended as safe electrical operation mode.
- Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the strip.
- Please ensure that the power supply is of sufficient power to operate the total load.
- Only power the LED product with Switchmode Power Supplies (constant voltage). Do not use a constant current Power Supply.
- If fixing on metallic or otherwise conductive surfaces, there should be an electrical insulator between the product and the mounting surface.
- All LEDs are static sensitive.
- Damaged by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.
- Identify Positive (+) and negative (-) outputs of the Power Supply by using a multimeter.
- Electrical Connections should be in a dry area unless adequately sealed.

LITEWAVE LTD. MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDING THESE LITEWAVE LTD. MAKES PRODUCTS AVAILABLE SOLELY ON AN "AS-IS" BASIS. IN NO EVENT SHALL LITEWAVE LTD. BE LIABLE TO ANYONE FOR SPECIAL, COLLATERAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING OUT OF PURCHASE OR USE OF LITEWAVE PRODUCTS. THE SOLE AND EXCLUSIVE LIABILITY TO LITEWAVE LTD, REGARDLESS OF THE FORM OF ACTION, SHALL NOT EXCEED THE PURCHASE PRICE OF THE LITEWAVE PRODUCT DESCRIBED HERE IN.