

Installation and Operating Instructions.

Fire Rated Flexiled lamp holder /Luminaire

GB: 1517755.3. An inclusive Magiled product.



magiled
uk ltd

www.magiled.com



Important information:

It is recommended that our Flexiled lamp holder / luminaire is installed and fitted by a competent person, ensuring that the fitting complies with the current IEE wiring and local building control. If in doubt, please contact a qualified electrician. Always isolate the input power supply prior to commencing any installation. Check the product is present and undamaged. Make sure that you have the correct tools ie. **hole saw**, to install the recessed down light.

We strongly recommend that the cut out hole diameters are 57mm (+-1mm) for vertical flexiled and 80mm for directional.

FLEXILED;

Available as;

- Standalone spot lamp holder
- With our in house designed GU lamp rated at 5 watt, with a luminous flux near 450 lumens, equivalent to 50 Watt halogen.
- In house design IP 65 rated patented led light source, a replacement for standard spot lamps currently NOT available in the market place, except from Magiled.

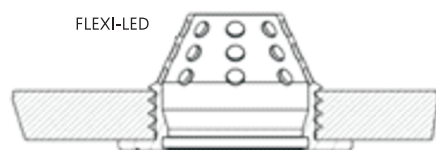
Flexiled is suitable for installation in bathroom zones 1 and 2. The bathroom is considered to be a special designated area in the IET wiring regulations 17th edition.

- Please note that our light source is driven by a AC 230V, 50Hz (driverless) connected directly and easily to AC input, no transformer required.
- The product must be considered as class 1 with loop in/ loop out connector enclosed in a terminal box.
- This product is suitable for indoor domestic dwellings and light commercial work e.g. shop accent lighting.

INSTRUCTIONS FOR NEW INSTALLATIONS

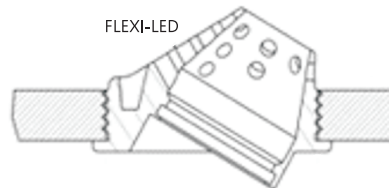
- IMPORTANT:** This luminaire requires a cut-out hole of 57mm (+-1mm) for vertical flexiled and 80mm for directional flexiled (please see diagram below). Correct hole is essential.

Flexiled Vertical cut out hole = 57mm (+-1mm)



Ø 57mm (+-1mm) HOLE

Flexiled Directional cut out hole = 80mm



Ø 80mm HOLE

- Please make sure that the cut out hole is correct to suit the layout for recessed lighting. The cut-outs need to be spaced to provide adequate clearance from beams, and utility services. The cut out hole needs to be minimum 100mm from pipes, electrical cables, and joists and free from any debris.
- Connect the power supply in accordance with correct polarity of live (Brown), Neutral (Blue) and Earth (Green & yellow);
- Once installed and correctly connected, restore the power and test operation.

Where Should Flexiled be Used?

The Electrical Safety Council (ESC) recommends that fire rated downlights should be used in all ceilings, regardless of which type of building they are being installed in. Our product has many applications, including moisture sea water environments. It will not rust, very light weight, none rigid, no tension springs, no circlips and acts as a fire hood. Energy Savings of up to 85% are possible.

Building Regulations

Legally, any work carried out at a commercial or residential property must adhere to the Building Regulations. Fire safety is covered by Part B and is split up into Volume 1 for domestic dwellings and Volume 2 for buildings other than dwellings IE commercial buildings. Building Regulations are designed as a safety measure and provide builders and installers with guidance and rules. Make sure the lighting installation complies with all the relevant Building Regulations.

Part B Fire Safety

Part C Resistance to Contaminants and Moisture

The majority of fire rated downlights are also Part C compliant, they are fitted with a moisture seal that prevents condensation from getting through the downlight hole. Flexiled is made of silicone compound and does not require additional gaskets or seals. The holder itself conforms to IP68. The led light source has IP65.

Part E Resistance to Sound

Downlights that are Part E compliant are known as acoustic rated. This type of regulation would be essential in downlight installations in buildings such as flats, an acoustic rated downlight would prevent sound from traveling through the hole created by a recessed downlight. Flexiled provides a natural sound barrier due to its composite material.

Part L Energy Efficiency

Part L is split into two main sections; Part L1 which covers residential buildings and Part L2 which covers commercial buildings such as factories, offices and schools etc. Part L compliance is given to the building not the lamp or luminaire. To achieve Part L compliance you need to meet the following criteria:

Part L1 – Residential & Part L2 – Commercial:

75% of all the lights in a home or domestic building must be low energy and it must produce minimum 45 lumens per watt. For commercial applications the light source must produce a minimum of 55 lumens per watt.

5 Watt Rule:

A low energy light is only classed as low energy if it produces over 400 lamp lumens and has an efficacy of over 45 lumens per watt. Some LED downlights only fully comply with Part L in cool white but not in warm white. Our light source will produce a minimum of 80 lumens per watt, therefore making it exempt from carbon emission calculations.

UNIQUE
DESIGN
1517755.3

EXTENDED
WARRANTY

5W
LED

450
LUMINAIRE
LUMENS

BEAM
ANGLE
38°

30,000
HOURS

90
lm/W

IP65
RATED

CRI
>80

ANY
COLOUR

NEUTRAL
WHITE
CHARCOAL
BLACK

90min
FIRE RATED

CE
EMC LVD