

6W Fire Rated LED Downlight

With Colour Temperature Selector Switch



Installation Instructions



PRODUCT INFO



Please read these instructions carefully before installation

Leave a copy for the user/maintenance engineer for future reference

Important Safety Information

- It is recommended that this luminaire is installed, inspected and maintained by a qualified electrician.
- Installation should be carried out in accordance with the latest edition of the IET Wiring Regulations (BS 7671) and the latest Building Regulations. If in doubt, consult a qualified electrician.
- This product is designed for connection to a 220-240V~50/60Hz supply.
- Before commencing any installation or maintenance work, ensure that the electrical mains supply is isolated and circuit fuses are removed or switched off.
- Ensure that all electrical connections are tight with no loose strands including factory made connections.
- This product is Fire Rated and complies with Building Regulations Part B. Suitable for 30, 60 or 90 minute fire rated ceilings (Selected I-Joist ceiling construction 30 or 60 minute compliant).
- Mineral wool insulation material can be loosely laid across the luminaire but not compressed.
- Please note the IP rating of this luminaire when deciding the location for installation. IP65 (Below the ceiling), IP20 (Above the ceiling and recessed parts).
- This luminaire is suitable for indoor use only.
- This product is dimmable. Dimmer type compatibility and Min/Max wattage recommended loadings must be observed.
- This is a Class II construction luminaire, but it has Earth provision should it be required.
- This luminaire is suitable for use in ambient temperatures of -10°C to +40°C.
- MCBs may require to be uprated to allow for increased initial inrush current.
- This product contains sensitive electronic components which can be damaged by power surges or transient overvoltage. The 18th Edition Wiring Regulations stipulate that surge protection devices (SPDs) must be provided within the consumer unit where deemed necessary.
- Do not carry out any insulation resistance tests with the luminaire connected to the lighting circuit.
- The LED light source and Control gear are non-replaceable. They can be removed without being permanently damaged by a professional person for audit purposes only.
- This product contains an LED light source of energy efficiency class D.

6W Fire Rated LED Downlight

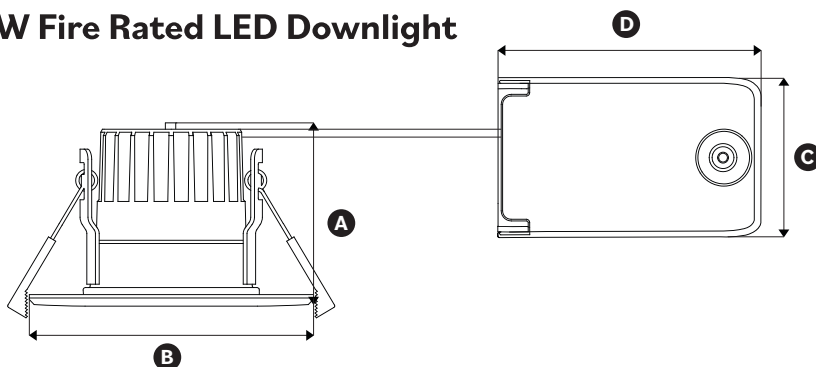
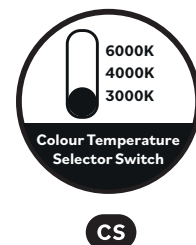


Fig.1 Selector switch located at rear of the downlight



Technical Specifications

Part No.	Description	Wattage Switchable	Measurement A x B x C x D	Cut Out Diameter	Lumen Output	IP Rating Front	IP Rating Rear	CRI	Colour Temperature
LXFRD/6/CCT3	LED Fire Rated Downlight	6W	57 x 84 x 48 x 78mm	60-72mm	720Lm	IP65	IP20	>80	3000K-4000K-6000K

Important Installation Information

Always switch off the mains power supply before installation or servicing. Ensure that there is adequate free air ventilation around the luminaire at all times. Do not install this product into damp or newly plastered ceilings.

- This luminaire should be mounted on a flat, smooth surface. Ensure that the mounting area is clean and free from any obstructions. The installation must not infringe on gas/water pipes or any other electrical cables or services which may be hidden behind the ceiling.
- This product is rated IP65 and is suitable for installation in bathroom zones 1 and 2 as defined by the National Wiring Regulations.

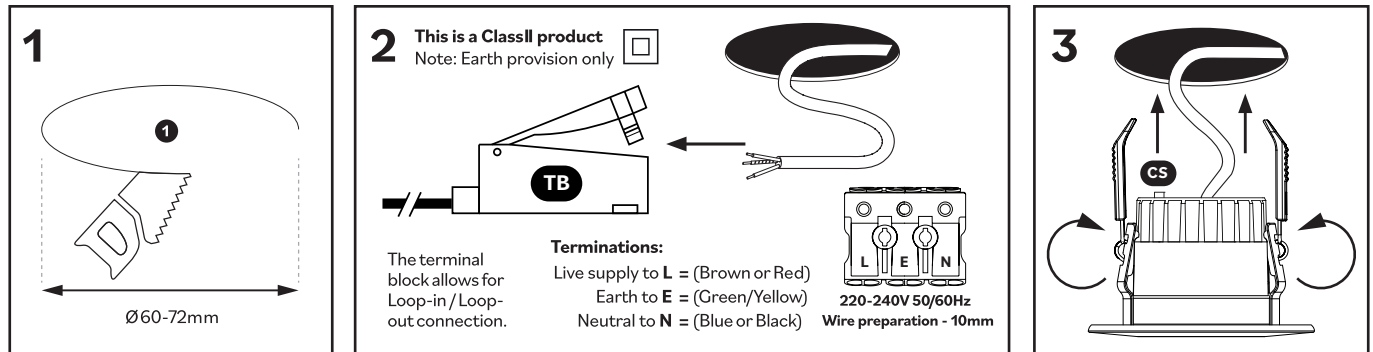


Fig.1 Prior to installation, the colour temperature of the LED light source must be selected for the desired application. The selector switch is located on top of the downlight driver housing.

CS Three options are available: Warm White, Neutral White and Cool White.

- 1) Select the required mounting position in the ceiling and cut out a clean circular hole. Do not exceed the cutting diameter and ensure that cut outs are spaced adequately to provide clearance from any joists, beams or cables within the ceiling void.
- 2) Pull the mains supply cable through the hole and open the terminal block cover **TB** by squeezing the two tabs together. Connect the mains supply cable into the terminals ensuring that the correct polarity is observed. Close the terminal block cover tightly to secure the cable in place.
- 3) Feed the excess mains supply cable back through the hole and into the ceiling void. With the spring clips held in the upward position, insert the connector block and luminaire through the cut out hole and into the ceiling void. Take care not to trap any cables. The spring clips will locate onto the top of the ceiling surface to provide a secure installation. Ensure that the foam seal ring is securely in place on the back of the bezel housing and that the luminaire is fitted centrally to the cut out hole.

Reconnect the mains power supply and test the installation for correct and satisfactory operation.

- This luminaire can be loosely covered with mineral wool insulation material. However, minimum clearance distances around the luminaire must be observed: 25mm above the top of the luminaire, 75mm to all sides of the luminaire and 0.5m minimum distance between luminaires.
- When removing the luminaire for maintenance or changing the bezel, allow sufficient time for the product to cool before handling.

Optional Colour Bezels

Separate colour bezels are available and can be attached if required.

Position the bezel in front of the downlight housing and push onto the rim to snap-fit.

Do not remove the foam seal from the rear of the luminaire outer rim. Ensure that it is secure and correctly positioned to maintain the IP65 rating for correct and satisfactory operation.

Part No.	Description
LXFRD/6/SCB	Satin Chrome Bezel
LXFRD/6/BCB	Brushed Chrome Bezel
LXFRD/6/PCB	Polished Chrome Bezel
LXFRD/6/PBB	Polished Brass Bezel
LXFRD/6/MBB	Matt Black Bezel
LXFRD/6/MWB	Matt White Bezel

Warranty

The 3 year standard product warranty against any defects in materials or workmanship commences from the original date of purchase. Should this product fail during the warranty period it will be repaired or replaced with the same or equivalent product free of charge, subject to the user providing the original receipt/invoice or proof of the original date of purchase and return of the faulty unit. If in our sole discretion, we are unable to repair or replace a defective product, we will refund the purchase price of the product. The warranty is invalid if in our judgment the product fails due to incorrect installation not conforming to our product instructions or installation within an improper working environment. The warranty will not apply if the product fails due to damage in storage, shipment, accident or misuse. Modification to the product in any way or removal of the batch number will void the warranty. Luxna Lighting does not accept responsibility for any installation, labour or travel costs which may be associated with the replacement or return of any faulty products. Our maximum liability under the terms of this warranty is limited to the purchase price of the product. Your statutory rights are not affected. Luxna Lighting reserves the right to alter product specifications without prior notification. Terms and conditions are also subject to change without prior notice.