

5-7W Fire Rated LED Downlight

With Colour Temperature and Wattage Selector Switch

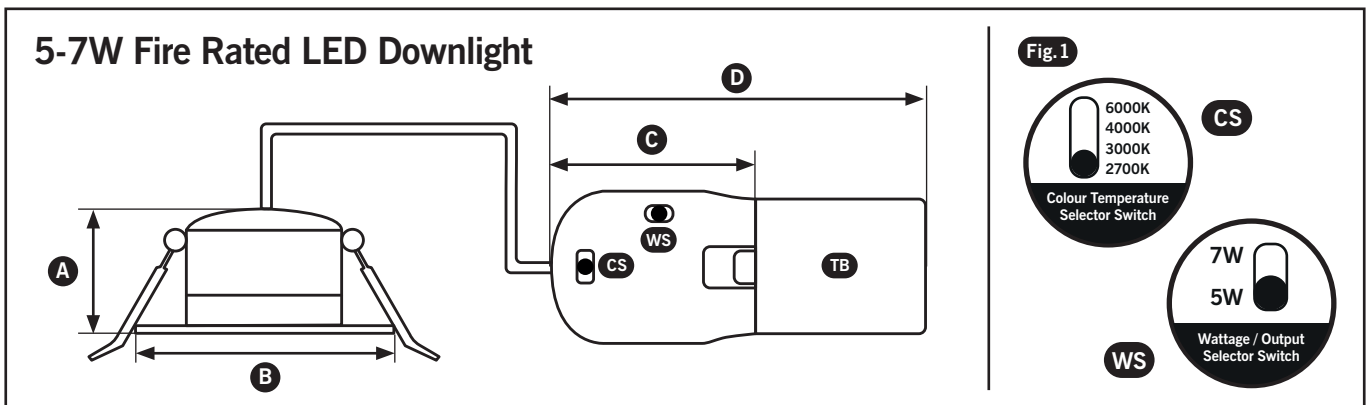
Installation Instructions



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 (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 E.



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/5-7/CCT4	LED Fire Rated Downlight	5W-7W	45 x 88 x 70 x 128mm	72mm	550Lm / 750Lm	IP65	IP20	>80	2700K-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.

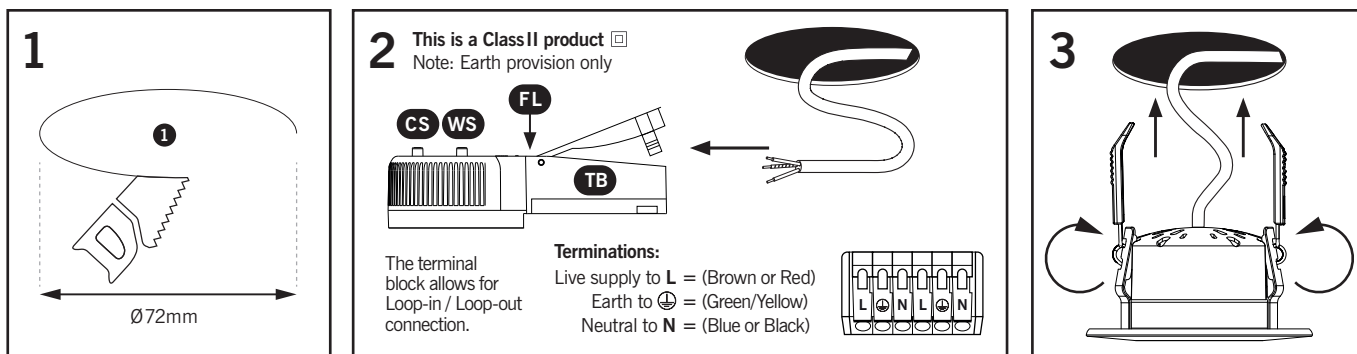


Fig.1 Prior to installation, the colour temperature of the LED light source and the wattage/output must be selected for the desired application. The selector switches are located on top of the separate driver housing.

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

WS Two options are available: 5W 550 Lumen and 7W 750 Lumen

- 1) Select the required mounting position in the ceiling and cut out a circular hole 72mm in diameter. 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. The Push-Fit terminal connector block can be wired independently by removing it from the main driver housing. Press down the fixing latch on top of the driver **FL** and pull the terminal block away from the main driver. Ensure that the two parts are re-connected after wiring connections are complete.
- 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, driver 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 rubber 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 changed if required.

Rotate the fixed bezel one quarter turn anticlockwise and pull it away from the luminaire. Select a new bezel and rotate it one quarter turn clockwise back onto the front of the luminaire.

Do not remove the rubber 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/5-7/SCB	Satin Chrome Bezel
LXFRD/5-7/BCB	Brushed Chrome Bezel
LXFRD/5-7/PCB	Polished Chrome Bezel
LXFRD/5-7/PBB	Polished Brass Bezel
LXFRD/5-7/MBB	Matt Black Bezel
LXFRD/5-7/MWB	Matt White Bezel

Warranty

This product is protected by guarantee in the UK and EU for a period of 5 years warranty from the date of purchase against any defects in materials or workmanship. 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.