



# LED Downlight Module and Reflectors

with colour temperature and wattage selector switch



**NOTE:** This is a 2 part product - LED modules and Reflectors supplied separately

## 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.
- 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. IP54 (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 Light Source (LED only) and control Gear contained in this luminaire shall only be replaced by the manufacturer or his service agent or similar qualified professional person.
- This product contains an LED light source of energy efficiency class D.

### LED Downlight Module

**Fig.1 WS**

#### Selectable Power Switch Settings

See below table for switchable power output range.

**CS**

#### Selectable Colour Temperature Settings

2700K Extra Warm White	↑
3000K Warm White	
4000K Neutral White	
6000K Cool White	

### Technical Specifications

Part No.	Description	Wattage Switchable	Measurement A x B x C x D	Lumen Output	IP Rating Front	IP Rating Back	CRI	Colour Temperature
LXDLM/10-18/P	LED Downlight Module	10/13/15/18W	40 x 110 x 124 x 182mm	1300 / 1690 / 1950 / 2340Lm	IP54	IP20	>80	2700K-3000K-4000K-6000K
LXDLM/20-35/P	LED Downlight Module	20/25/30/35W	40 x 110 x 124 x 182mm	2600 / 3250 / 3900 / 4550Lm	IP54	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 IP54 and is suitable for installation in bathroom zone 2 as defined by the National Wiring Regulations.

## 1 60° Downlight Reflectors -

2-part downlight reflectors are available.

Select the required reflector and separate the chrome reflector from the white reflector housing.

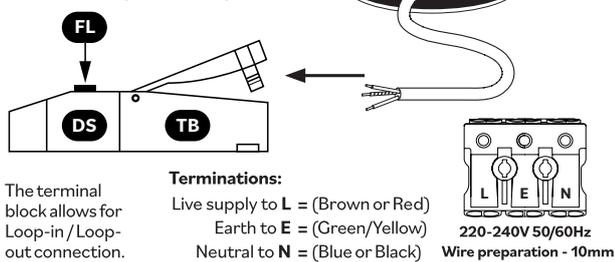
Fit the white reflector housing onto the downlight module by aligning the housing tabs with those on the front of the module. Rotate clockwise until securely locked in place.

Insert the chrome reflector into the reflector housing, ensuring the tabs align with the fixing points. Rotate clockwise until firmly secured.

Part No.	Description	Bezel Outer Diameter	Minimum Cut Out Diameter	Height of Module & Reflector
LXDLR/S/150/P	Downlight PRO Reflector & Housing 150mm 60°	150mm	127mm	100mm
LXDLR/M/182/P	Downlight PRO Reflector & Housing 182mm 60°	182mm	152mm	110mm
LXDLR/L/230/P	Downlight PRO Reflector & Housing 230mm 60°	230mm	200mm	125mm

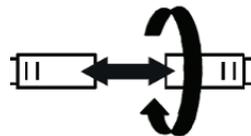
## 2 This is a Class II product

Note: Earth provision only

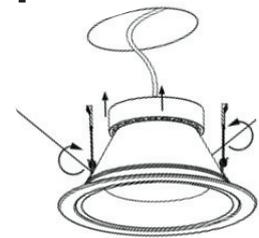


The terminal block allows for Loop-in / Loop-out connection.

## 3



## 4



**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 the driver and at the rear of the downlight module.

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

**WS** Four wattage options are available

- 1) Attach the reflector then 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. The Push-Fit terminal connector block can be wired independently by removing it from the driver input socket **DS**. Press down the fixing latch on top of the socket **FL** and detach the terminal block. Ensure that the two parts are re-connected after wiring connections are complete.
- 3) Connect the plug lead which is pre-wired into the output terminals of the LED driver, to the lead which is attached to the luminaire. Rotate the two plugs 90 degrees to ensure a secure connection.
- 4) 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 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, allow sufficient time for the product to cool before handling.

## Warranty

The 5 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.