

WARNING: DO NOT USE NORMAL LOW VOLTAGE TRANSFORMERS WITH LEDs.

All LED fittings are tested before dispatch. It is not necessary to check them on site. Do not power up until fittings are wired correctly.

INSTRUCTION LEAFLET





LD790-F1

Deep Recessed Adjustable LED Downlight

This product should be installed by a qualified electrician in accordance with all current, local legislation. For the UK, the current edition of the IEE Wiring Regulations and European Standard IEC 60364.

SPECIFICATION

LED recessed luminaires are class III  for Safety Extra Low Voltage supply  350mA, 500mA or 700mA constant current supply.

Suitable for mounting on normally flammable surfaces. 

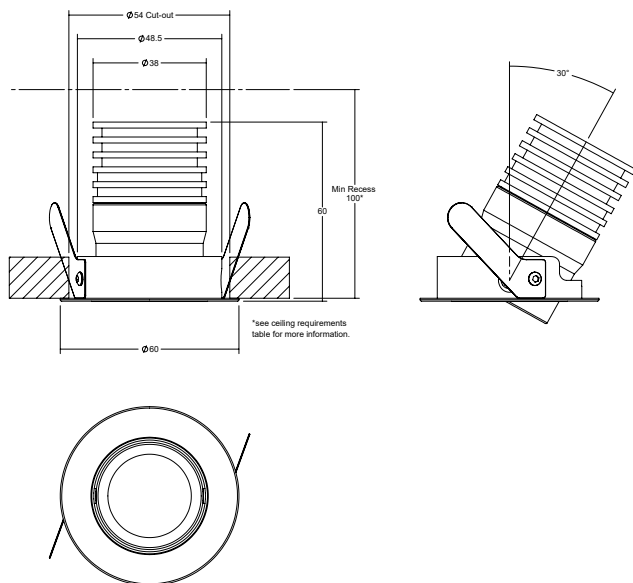
Lamp: **F1 Light Engine.**

This fitting is **IP65** rated.

Lumen Maintenance: L80B5 @ 80,000 hours at Max Ambient of 25°C.

LD790-F1 is available in various power output options	
Product & LED output code	Power Output
LD790-F1 - 350	350mA 3.5W
LD790-F1 - 500	500mA 5W
LD790-F1 - 700	700mA 7W

DIMENSIONS

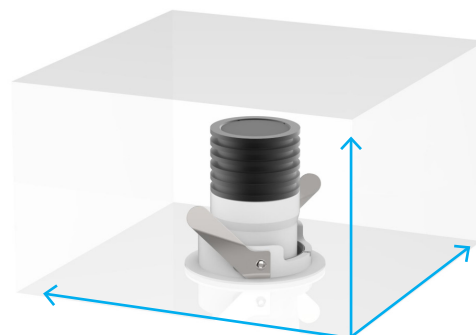


INSTALLATION

1. Bore clearance holes to suit dimensions below.
 2. Check ceiling void has sufficient space to dissipate heat. See below for more information.
 3. Wire the luminaire to a specified driver.
- NOTE: Connections in wet environments. Make IP68 connection to stop water travelling up the cables into the fittings! Refer to IP connection sheet for further details.**
4. Orientate the fitting to desired position and squeeze mount springs into body with finger and thumb.
 5. Push and rotate the luminaire anticlockwise into the cut-out hole until flush with surface.

CEILING REQUIREMENTS

Ceiling requirements can vary but the minimum ceiling void volume must be adhered to. The minimum possible ceiling depth is 70mm. The volumes are presented below as L x W x H.



Output current	Minimum ceiling void dimension requirements (Lmm x Wmm x Hmm)	Minimum ceiling void volume	
		cm ³	Litre(s)
LD790-F1 - 350	200 x 200 x 70	2800cm ³	2.8
LD790-F1 - 500			
LD790-F1 - 700	200 x 200 x 100	4000cm ³	4

WIRING

Do not power up until fitting is wired correctly! Constant current LEDs must be wired in series, polarity is critical! Please refer to specified driver sheet for details on the minimum and maximum number of LEDs per circuit.

SEE CONSTANT CURRENT WIRING SHEET FOR IN SERIES WIRING DIAGRAM

IMPORTANT

Make sure that all cables and connections are securely connected before switching on the power. Do not switch on the power source prior to making these connections as this will result in the LEDs being overvolted, which can lead to failure of the LEDs and/or the driver. If the LEDs do not work upon power up, turn off the power source immediately and check the polarity of the wiring.

Caution: Luminaires can get hot. To avoid injury, install out of reach and follow maintenance guidance.

MAINTENANCE

CABLE: The external flexible cable of this luminaire cannot be replaced; if the cable is damaged, the luminaire shall be destroyed.

LAMPS: The light source contained in this luminaire shall only be replaced by the manufacturer.

Please switch off and allow time for the luminaire to cool before any adjustments or maintenance are carried out.

Please clean with soft cloth and avoid harsh cleaning chemicals.

O-Ring replacement part No. 17.0070

This leaflet should be issued and retained by the end user.

Single Colour LED

Colour of Cable	Red	Black
Polarity	+	-