

LED LAMP SPECIFICATIONS:	12W	18W	24W
Luminaire lumens 3000K/4000K/6000K	1250 lm 1300 lm 1250 lm	1900 lm 1970 lm 1900 lm	2500 lm 2530 lm 2520 lm
Nominal life time of the lamp	50,000 hrs		
Colour temperature	3000K / 4000K / 6000K		
Number of switching cycles before premature lamp failure	25,000		
Dimmable	No		
Nominal beam angle	120°		
Displacement factor	0.979	0.977	0.972
Lumen maintenance factor at end of nominal life	≥80		
Colour rendering	≥80 Ra		
Colour consistency	<6 SDCM		
Voltage / Frequency	240V~50-60Hz		
Lumen efficacy lm / W	104 / 108 / 104	105 / 109 / 105	104 / 105 / 105
Not suitable for accent lighting			
This product contains a Light Source of Energy Efficiency Class E			

eterna.

INSTALLATION INSTRUCTIONS

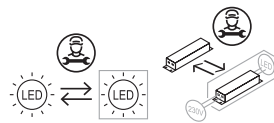
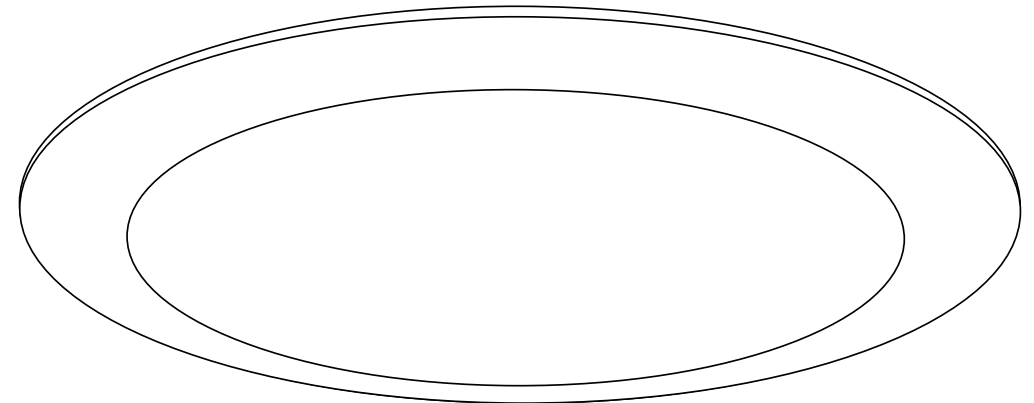


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KFLATDL12 / KFLATDL18 / KFLATDL24

V2

CCT Selectable LED Recessed Flat Downlights



Issue 1124

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Made in China

Pack contents: 1 x fitting, 1 x driver

A guide for qualified electricians

READ THIS FIRST:

Check the pack and make sure you have all of the parts listed on the front of this booklet. If not, contact the outlet where you bought this product.

This light fitting must be installed by a competent person in accordance with the current building and IEE wiring regulations.

As the buyer, installer and/or user of this product it is your own responsibility to ensure that this fitting is fit for the purpose for which you have intended it. Eterna Lighting cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.

This product is designed and constructed according to the principles of the appropriate British Standard and is intended for normal domestic service. Using this fitting in any other environments may result in a shortened working life, for example where there is prolonged periods of use or higher than normal ambient temperatures such as lighting public or shared spaces or in nursing / care home facilities.

Switch off the mains before commencing installation and remove the appropriate circuit fuse or lock off MCB.

This unit is suitable for indoor use only.

This product is suitable for installation on surfaces with normal flammability e.g. wood, plasterboard and masonry. It is not suitable for use on highly flammable surfaces (e.g. polystyrene, textiles).

Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

The chosen location of your new fitting should allow for the product to be securely mounted and safely connected to the mains supply (lighting circuit).

Do not cover the fitting. Keep minimum 50mm clear above any insulating materials.

Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).

This product is designed for permanent connection to fixed wiring: this must be a suitable circuit (protected with the appropriate MCB or fuse).

When making connections ensure that the terminals are tightened securely and that no strands of wire protrude. Check that the terminals are tightened onto the bared conductors and not onto any insulation.

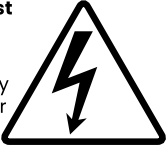
This product is double insulated. Do not connect any part to earth.

LAMP REPLACEMENT:

CAUTION, RISK OF ELECTRIC SHOCK

The light source is designed to last the lifetime of the luminaire.

The light source contained in this luminaire shall only be replaced by the manufacturer, service agent or a similar qualified person.



IMPORTANT:

You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed your installation there are electrical tests that should be carried out, these tests are specified in the current IEE wiring and building regulations.

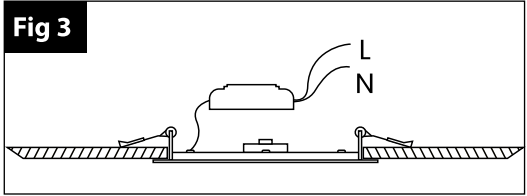
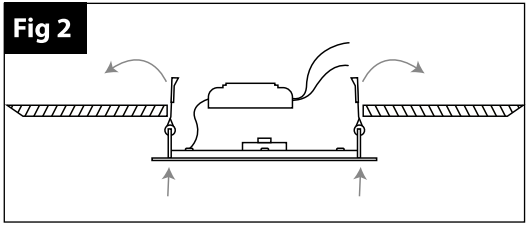
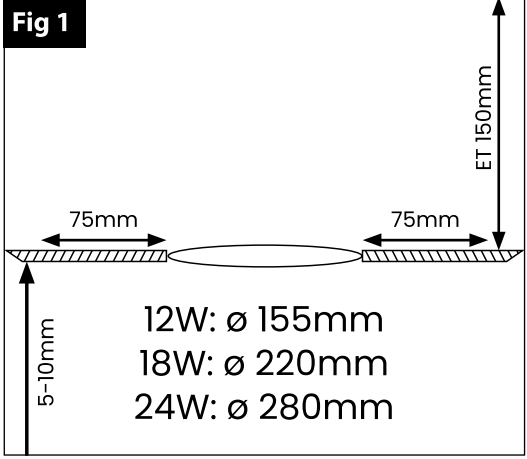
INSTALLATION:

01. Locate suitable position without obstructions (allow minimum 75mm around the hole for the spring clips) and minimum ceiling void height of 150mm. (see Fig.1 opposite).
02. Isolate mains.
03. Make a round fixing hole in the ceiling (see sizes below), ensuring that the hole is cut accurately, we recommend the use of a circular hole cutter.

- KFLATDL12: 155mm diameter.
- KFLATDL18: 220mm diameter.
- KFLATDL24: 280mm diameter.

NOTE: Ensure cut-out holes are burr free before installations.

04. Set colour temperature to the desired option by selecting the appropriate switch setting on the back of the fitting.
05. Make connection to driver:
 - Live - Brown wire marked (L)
 - Neutral - Blue wire marked (N)
06. Before feeding the luminaire into the hole, ensure the large spring clips point up. (See Fig. 2).
07. Feed the rest of luminaire into the hole in the ceiling ensuring it is flush to the mounting surface. (See Fig. 3).
08. Switch on and test the luminaire.



EVENTUALLY, YOU MAY WANT TO REPLACE THIS PRODUCT:

Regulations require the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005—UK WEEE Regulations effective February 2014). Environment Agency Registered Producer: WEE/GA0248QZ.

When your product comes to the end of its life or you choose to replace it, please recycle it where facilities exist - do not dispose with household waste.

CLEANING:

Clean this fitting only with a soft dry cloth. Do not use any chemical or abrasive cleaners.

IF YOU EXPERIENCE PROBLEMS:

If you believe your product is defective, please return it to the place where you bought it. Our Technical Team will gladly advise on any Eterna Lighting product, but may not be able to give specific instructions regarding individual installations.