
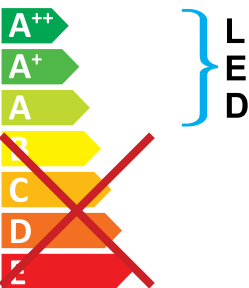


LAMP SPECIFICATIONS:	RDL12	RDL18
Lumens total flux	1010 lm	1510 lm
Lumens from chip	1200 lm	1800 lm
Rated Wattage	12.7W	18.5W
Rated luminous flux	1010 lm	1510 lm
Nominal life time of the lamp	25,000 hrs	25,000 hrs
Colour temperature	4000K	4000K
Number of switching cycles before premature lamp failure	15,000	15,000
Warm-up time up to 60 % of the full light output	Instant full light	Instant full light
Dimmable	No	No
LED array area (Ø)	145mm	205mm
Nominal beam angle	>120°	>120°
Rated power	12.7W	18.5W
Rated lamp lifetime	25,000 hrs	25,000 hrs
Lamp power factor	>0.9	>0.9
Lumen maintenance factor at end of nominal life	70%	70%
Starting time	0.1s	0.1s
Colour rendering	>80	>80
Colour consistency	Within 6 step Macadam ellipse	Within 6 step Macadam ellipse
Rated peak intensity	355cd	525cd
Rated beam angle	>120°	>120°
Voltage	240V	240V
Not suitable for accent lighting		

Eterna RDL Range




This luminaire contains built-in LED lamps.



LED

The lamps cannot be changed in the luminaire.

874/2012 



INSTALLATION INSTRUCTIONS

A guide for qualified electricians



Pack contents:
 1 x Fitting
 1 x Driver
 1 x 250mm cable

Model:
RDL12 / RDL18
Recessed LED Downlight

These instructions are provided as a guideline to assist you.

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION AND RETAIN FOR FUTURE REFERENCE

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 2nd January 2007). Environment Agency Registered Producer: WEE/GA0248QZ.

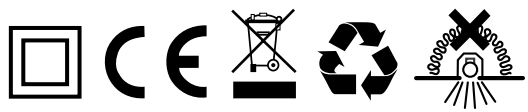
WHEN YOUR PRODUCT COMES TO THE END OF ITS LIFE OR YOU CHOOSE TO REPLACE IT, PLEASE RECYCLE IT WHERE FACILITIES EXIST - DO NOT DISPOSE WITH HOUSEHOLD WASTE.

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.

CLEANING:

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



Email: sales@eterna-lighting.co.uk / technical@eterna-lighting.co.uk

Visit our website: www.eterna-lighting.co.uk

Made in China

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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 and/or transformer with 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.**

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.

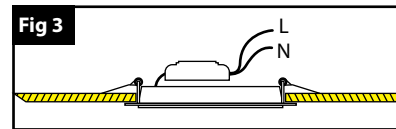
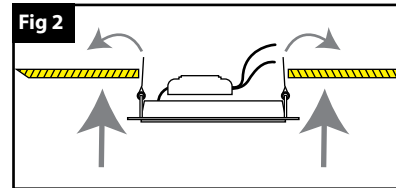
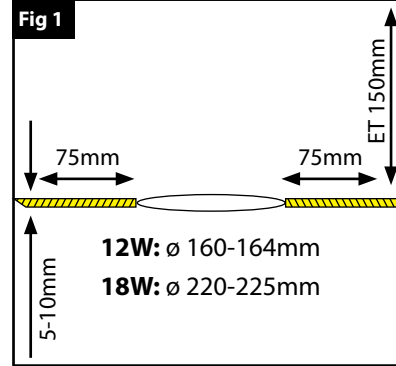
The luminaire is designed for mounting in a ceiling, between 5-10mm thick.

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.
 - i) RDL12: 12W unit is 160mm - 164mm diameter.
 - ii) RDL18: 18W unit is 220mm - 225mm diameter.
04. Make connection to driver.
05. Before feeding the luminaire into the hole, ensure the large spring clips point up. (See Fig. 2).
06. Feed the rest of luminaire into the hole in the ceiling ensuring it is flush to the mounting surface. (See Fig. 3).
07. Switch on and test the luminaire.

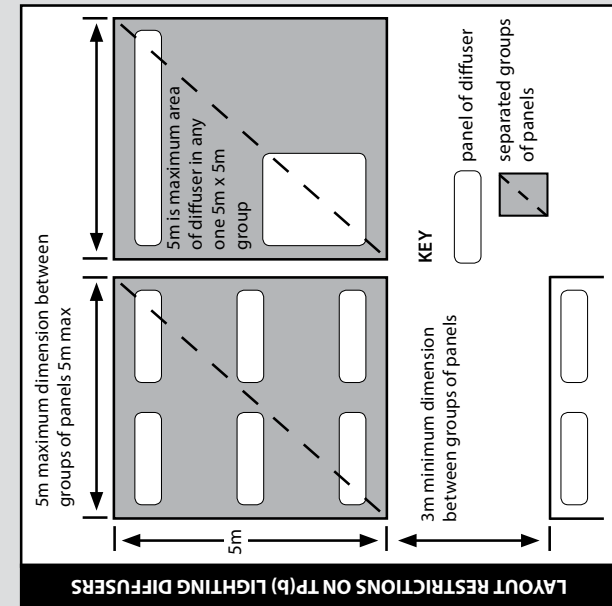
LAMP REPLACEMENT:

This luminaire has a sealed LED lamp and is maintenance free, no lamp replacement is required.



Minimum separation distance between diffuser panels	No limit	3M	3M
Max total area of diffuser panels as percentage of floor area in which the ceiling is located	No limit	50	15
Maximum area of each diffuser panel	No limit	5.sq m	5.sq m
Use of space below the diffusers	Any except protected stairway	Rooms	Circulation spaces except protected stairways
Maximum classification of lower surface	TP (a)	TP (b)	TP (b)

LAYOUT RESTRICTIONS ON LIGHTING DIFFUSERS IN SUSPENDED CEILINGS



LAYOUT RESTRICTIONS ON TP(b) LIGHTING DIFFUSERS