

INSTALLATION INSTRUCTIONS

A guide for qualified electricians

Pack contents:
1 x Fitting
1 x Driver



Model:

COMRCS15 / COMRCS25 / COMRCS35

Recessed Colour Selectable LED Commercial Downlights

These instructions are provided as a guideline to assist you.

**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION
AND RETAIN FOR FUTURE REFERENCE**

LED SPECIFICATIONS:	15W	25W	35W
Luminaire lumens (with diffuser): Warm White, Cool White, Daylight White	1590 lm 1710 lm 1640 lm	2490 lm 2685 lm 2580 lm	3575 lm 3850 lm 3690 lm
Lumens from chip (array): Warm White, Cool White, Daylight White	1830 lm 2000 lm 1950 lm	2960 lm 3115 lm 3045 lm	4540 lm 4710 lm 4660 lm
Useful lumens (array): Warm White, Cool White, Daylight White	1590 lm 1710 lm 1640 lm	2490 lm 2685 lm 2580 lm	3575 lm 3850 lm 3690 lm
Rated Wattage	15W	25W	35W
Rated luminous flux	1590/1710/1640 lm	2490/2685/2580 lm	3575/3850/3690 lm
Nominal life time of the lamp	45,000 hrs	45,000 hrs	45,000 hrs
Colour temperature	3000/4000/6000K	3000/4000/6000K	3000/4000/6000K
Number of switching cycles before premature lamp failure	15,000	15,000	15,000
Warm-up time up to 60% of the full light output	Instant full light	Instant full light	Instant full light
Dimmable	Yes	Yes	Yes
Nominal beam angle	90°	90°	90°
Rated power	15W	25W	35W
Rated lamp lifetime	45,000 hrs	45,000 hrs	45,000 hrs
Lamp power factor	>0.9	>0.9	>0.9
Lumen maintenance factor at end of nominal life	≥70%	≥70%	≥70%
Starting time	0.1s	0.1s	0.1s
Colour rendering	≥80	≥80	≥80
Colour consistency	Within 6 step Macadam ellipse	Within 6 step Macadam ellipse	Within 6 step Macadam ellipse
Rated peak intensity	927cd	1397cd	1960cd
Rated beam angle	90°	90°	90°
Voltage / Frequency	240V~50Hz	240V~50Hz	240V~50Hz

Not suitable for accent lighting



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

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

Made in China

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.

LAMP REPLACEMENT:

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.

CAUTION, RISK OF ELECTRIC SHOCK.



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.

COMRCS15: 130mm diameter.
COMRCS25: 150mm diameter.
COMRCS35: 200mm diameter.

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


04. Make connection to driver:

Live – Brown wire marked (L)
Neutral – Blue wire marked (N)

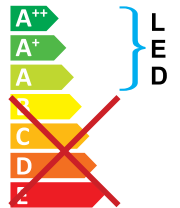
05. Before feeding the luminaire into the hole, ensure the large spring clips point up. (See Fig. 2).

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.



This luminaire contains built-in LED lamps.



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The lamps cannot be changed in the luminaire.

Eterna COMRCS 874/2012

Fig 1

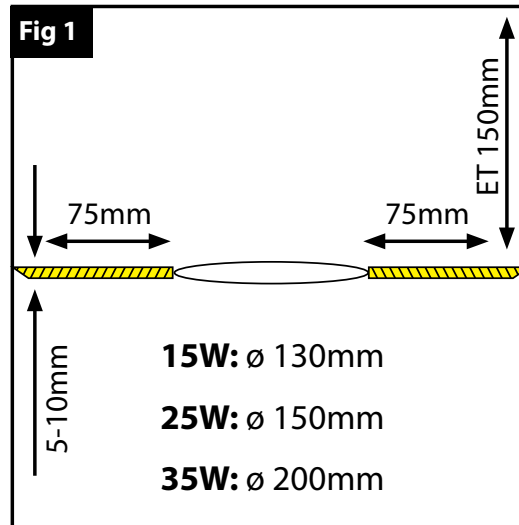


Fig 2

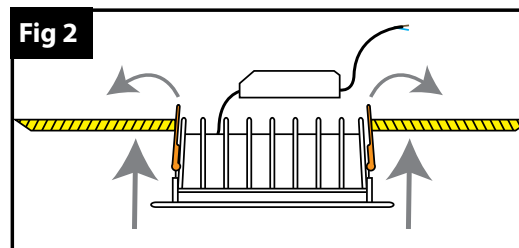
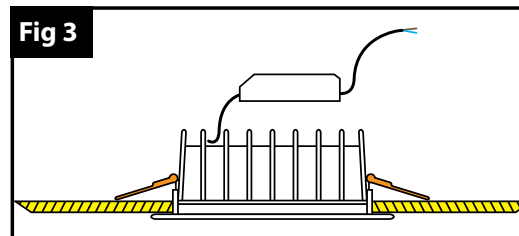


Fig 3



DIMMING:

Ensure dimmer loading is within its specification – under-loading may cause the LEDs to flash, over-loading will damage the dimmer and / or luminaire.

Do not perform insulation resistance tests on lighting circuits with these downlights or a dimmer switch connected as this can damage the electronic components within them.

Mixing different products on the same dimming circuit is not recommended as this can adversely affect dimming performance.

For optimum dimming performance, we recommend a compatible LED dimmer.

NOTE:

Some dimmers utilise an automatic test and when switched on it will dim lights up and down to increase performance. Where this occurs, please allow this to finish before adjusting the light level.

We recommend setting the dimmer switch to maximum brightness when switching on to ensure all lights switch on together.

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.

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.