




**Eterna** HBCIR100\_150

 This luminaire contains built-in LED lamps.

 } LED

The lamps cannot be changed in the luminaire.

874/2012 

LED LAMP SPECIFICATIONS:	100W	150W
Luminaire lumens (with diffuser)	<b>14850 lm</b>	<b>21000 lm</b>
Lumens from chip (no diffuser)	<b>16500 lm</b>	<b>23300 lm</b>
Useful lumens	<b>13900 lm</b>	<b>19600 lm</b>
Rated Wattage	100W	150W
Rated luminous flux	13900 lm	19600 lm
Nominal life time of the lamp	30,000 hrs	30,000 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	Yes	Yes
Nominal beam angle	120°	120°
Rated power	100W	150W
Rated lamp lifetime	30,000 hrs	30,000 hrs
Lamp power factor	>0.9	>0.9
Lumen maintenance factor at end of nominal life	≥0.70	≥0.70
Starting time	<0.5s	<0.5s
Colour rendering	≥80	≥80
Colour consistency	Within a six step Macadam ellipse	Within a six step Macadam ellipse
Rated peak intensity	4727cd	6635cd
Rated beam angle	120°	120°
Voltage / Frequency	240V~50Hz	240V~50Hz

Not suitable for accent lighting

#### 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 product only with a soft dry cloth.

Disconnect the power and clean the exterior only of this fitting with a moist (not wet) 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.



Email: [sales@eterna-lighting.co.uk](mailto:sales@eterna-lighting.co.uk) / [technical@eterna-lighting.co.uk](mailto:technical@eterna-lighting.co.uk)

Issue 0619

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Made in China

 **Eterna**  
Everyday Lighting For Professionals

## INSTALLATION INSTRUCTIONS

A guide for qualified electricians



Model:  
**HBCIR100 / HBCIR150**  
**100W / 150W Dimmable LED Circular High Bay**

These instructions are provided as a guideline to assist you.

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

## 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 product 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. Using this fitting in an environment where there are prolonged periods of use or higher than normal ambient temperatures may result in a shortened working life.

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

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

Make sure that the fixings are strong enough to support the weight of the fitting and hold it securely.

**This product must be connected to earth termination.**



Live – Brown or Red  
Neutral – Blue or Black  
Earth – Green and Yellow

When working at heights ensure you use a suitable platform.

The luminaire must be positioned so that there is at least 0.5m (500mm) between the luminaire and any illuminated surface.

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.

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. If in doubt, consult a qualified electrician.

## 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:

1. Choose the location for your new light fitting giving considerations to the points opposite.
2. Isolate the mains.
3. Secure fitting in place using the hanging hook. Ensure safety cable is suitably fixed.
4. Terminate the loose ends of wire to an appropriate junction box or similar, ensuring the below is observed:

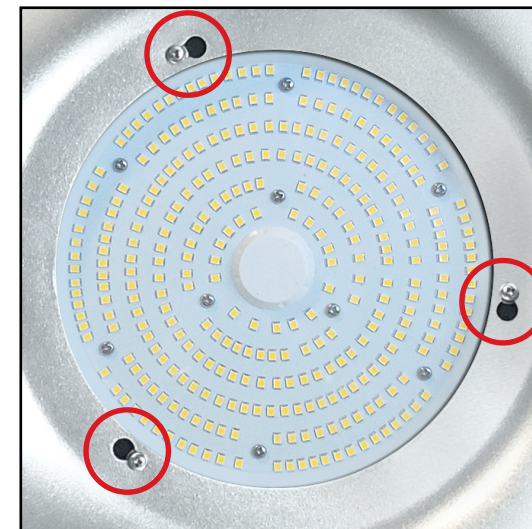
Live – Brown/Red  
Neutral – Blue/Black  
Earth – Yellow/Green

5. This luminaire is 1-10V dimmable as standard, if you wish to dim this fitting, ensure that you connect the 1-10V dimming control wires to a 1-10V dimming system only. If no dimming is required please leave the terminals isolated.

1-10V Dim + Blue  
1-10V Dim - White

6. Restore power and test the luminaire.

**NOTE:** If installing with a separately supplied reflector, please refer to the opposite picture for guidance.



Please note the aluminium reflector connects to the fitting with the three screws as shown opposite