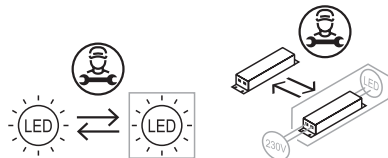


**LED LAMP SPECIFICATIONS:**

Luminaire lumens (with diffuser)	<b>1045 lm</b>
Lumens from chip (no diffuser)	<b>1215 lm</b>
Useful lumens	<b>965 lm</b>
Rated Wattage	10W
Rated luminous flux	965 lm
Nominal life time of the lamp	40,000 hrs
Colour temperature	4000K
Number of switching cycles before premature lamp failure	>15,000
Warm-up time up to 60% of the full light output	Instant full light
Dimmable	No
Nominal beam angle	120°
Rated power	10W
Rated lamp lifetime	40,000 hrs
Displacement factor	0.93
Lumen maintenance factor at end of nominal life	>0.9
Starting time	Instant full light
Colour rendering	>80
Colour consistency	Within a six step Macadam ellipse
Rated peak intensity	255cd
Rated beam angle	120°
Voltage / Frequency	240V~50Hz
Lumen efficacy: 104 lm / W	
This product contains a Light Source of Energy Efficiency Class E	
Not suitable for accent lighting	



See website for more information on  
replacability and recycling

# Eterna

Everyday Lighting For Professionals

V2

## INSTALLATION INSTRUCTIONS

A guide for qualified electricians

**Pack contents:**  
1 x LED bulkhead  
1 x Fixing kit



Model:

# KRECBOPL / KRECBOP LPC

10W LED Bulkhead With Opal Diffuser / Photocell Version

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.

### 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.

UK  
CA



IP65



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

Issue 0921

Visit our website: [www.eterna-lighting.co.uk](http://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 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. Use of this fitting in any other environments for example; where 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.

Make connections to the electrical supply in accordance with the following code:

**LIVE - Brown or Red**  
**NEUTRAL - Blue or Black**

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

This unit is suitable for outdoor use.

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.

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).

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. Wrap loose terminal blocks well with insulating tape.

**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 Wiring Regulations (BS7671) referred to in the Building Regulations.

## PHOTOCELL:

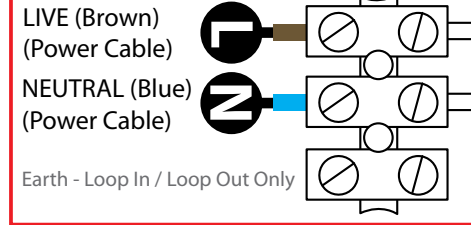
Do not install under eaves or in a location of frequent shadow that will prevent the light from switching off when required. Do not install near other sources of bright light that will prevent the light from switching on when the ambient light level falls.

Do not install on white or very reflective surfaces as this may cause the photocell to work incorrectly due to light reflecting back in to the photocell.

## INSTALLATION:

- 1) Choose the location for your new light fitting giving consideration to the points listed opposite.
- 2) To access the fitting, remove the 2 retaining screws and remove diffuser.
- 3) Drill out fixing holes in the back of the fitting, according to your chosen fixing method. All four blind holes are pre-cast within the back housing. This enables the fitting to be mounted securely to a solid surface.
- 4) Choose the point for cable entry and remove (with care) the corresponding knock-out using a 20mm hole saw. **DO NOT USE A HAMMER.**
- 5) Using the fitting as a template, mark the location of your fixing holes on the mounting surface.
- 6) Secure the fitting into position using suitable screws and washers (fixings not supplied).
- 7) Cover the heads of the screws with silicone sealant (not supplied), to maintain IP rating.
- 8) Insert an IP rated grommet or an IP65 cable gland and lock into position.
- 9) Thread the supply cable into the fitting.
- 10) Make the electrical connections by connecting to the terminal block according to the colour code listed opposite and noting the terminal identification in the fitting.
- 11) Replace diffuser and secure with the 2 retaining screws.
- 12) Restore power and switch on.
- 13) The fitting with photocell will light when the power has been restored and the ambient light level falls below the preset threshold on the photocell (**NOTE:** this unit is not adjustable).

On: 10-20lux • Off: 30-60lux



An Earth connection is not required for the operation of these Class II luminaires. The addition of the Earth terminal provides a loop-in/loop out facility which allows connectivity through to other Class I luminaires in the same lighting circuit.

**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.**

