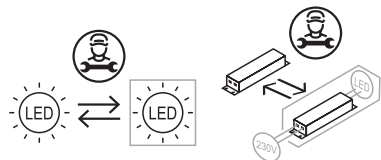


**LED LAMP SPECIFICATIONS:**

Luminaire lumens (with diffuser)	<b>1250 lm</b>
Lumens from chip (no diffuser)	<b>1650 lm</b>
Useful lumens	<b>705 lm</b>
Rated Wattage	12W
Rated luminous flux	705 lm
Nominal life time of the lamp	30,000 hrs
Colour temperature	6500K
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	12W
Rated lamp lifetime	30,000 hrs
Displacement factor	≥0.7
Lumen maintenance factor at end of nominal life	≥0.8
Starting time	Instant full light
Colour rendering	≥80
Colour consistency	Within a six step Macadam ellipse
Rated peak intensity	294cd
Rated beam angle	120°
Voltage / Frequency	240V~50Hz
Lumen efficacy: 104 lm / W	
This product contains a Light Source of Energy Efficiency Class D	
Class 2 double insulated	
Not suitable for accent lighting	



See website for more information on  
replacability and recycling



## INSTALLATION INSTRUCTIONS

**A guide for qualified electricians**



Photocell version shown

- Pack contents:**
- 1 x LED bulkhead
  - 1 x Fixing kit
  - 1 x TRS gland

Model:

# BULKLED / BULKLEDPC

**12W IP65 LED Bulkhead / With Photocell**

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 and is intended for normal domestic service. Using this fitting in any other environments 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 unit is suitable for outdoor use.

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

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).

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 fitting is double insulated; do not connect any part to earth.

This product is not intended to be used by children and persons with sensory, physical and/or mental impairments that would prevent them from using it safely.

### IMPORTANT: ALWAYS SWITCH OFF CIRCUIT BEFORE COMMENCING INSTALLATION OR MAINTENANCE.

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.

## PHOTOCELL VERSION:

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.

## INSTALLATION:

**IMPORTANT:** Fitting must be installed vertically with black diffuser housing at top. (See fig.1 opposite).

- 01) Choose the location for your new light fitting giving consideration to the points listed opposite.
- 02) To access the fitting, remove the four retaining screws and lower the hinged diffuser.
- 03) Drill out four fixing holes in the back of the fitting, according to your chosen fixing method. All four blind holes are pre-cast within the feet bosses. This enables the fitting to be mounted securely to a solid surface.
- 04) Choose the point for cable entry and remove (with care) the corresponding cable entry using a 20mm. hole saw. **DO NOT USE A HAMMER.**
- 05) Using the fitting as a template, mark the location of your fixing holes on the mounting surface.
- 06) Secure the fitting into position using suitable screws and washers (fixings not supplied).
- 07) Cover the heads of the screws with silicone sealant (not supplied), to maintain IP rating.
- 08) Insert an IP rated grommet or an IP65 cable gland and lock into position.
- 09) Thread the supply cable into the fitting. If entry is in the rear of the fitting, there is a pre-cast cable groove so the wire can be routed to the cable entry hole.
- 10) Restrain cable using the cable clamp and make electrical connections.
- 11) Re-affix diffuser and tighten the four screws taking care not to over tighten, as this may damage the unit.
- 12) Restore power and switch on.

### BULKLED

The fitting should light when switched on.

### BULKLEDPC

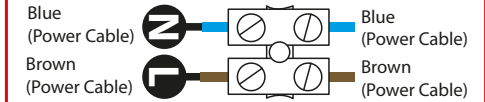
The fitting will light when the power has been restored and the ambient light level falls below the preset threshold on the photocell (note this unit is not adjustable).

Fig 1

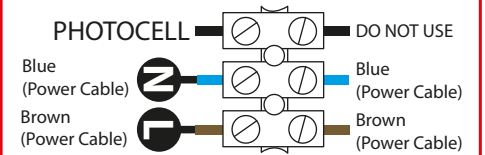


Drill knock-out using a 20mm hole saw  
**DO NOT USE A HAMMER!**

BULKLED



BULKLEDPC



## 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.**



## 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 light 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.