

Cleaning:

- > 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.

Lamp replacement:

- > Switch off the electricity at the mains.
- > Remove the diffuser from the front of the fitting by inserting a wide bladed screwdriver into each of the slots at the side of the diffuser in turn, and twisting gently to release.
- > Remove and replace lamp.
- > Press the diffuser into place ensuring that all of the retaining clips have snapped into position correctly and that the diffuser is secure.
- > Restore the power and switch on.

Replacement lamp type:

Wattage: 60 W
Supply Voltage: 230 V
Type: BC GLS

Eventually, you may want to replace this light fitting:

When your light fitting comes to the end of its life or you choose to update or upgrade it by replacing it, please do not dispose of it with your normal household waste, please recycle where facilities exist. When you need to dispose of this fitting, check with your retailer or local authority for suitable options. New regulations will encourage the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005).



If you experience problems:

If your light is defective or develops a fault, please return it to the place where you bought it. You can call our Helpline for advice. The Helpline will gladly give advice on any aspect of any Eterna Lighting product but may not be able to give specific instructions regarding individual installations.

If in doubt, consult a qualified electrician.

Help line:

Tel: 01933 673 144 Fax: 01933 678 083 Email: sales@eterna-lighting.co.uk
For answers to frequently asked questions (FAQs) and other information visit our web-site
www.eterna-lighting.co.uk



IMPORTANT!

Safety and Installation instructions

PIR Bulkhead

Model(s)
PIR80BK

Pack contents:

Bulkhead light with integral PIR 1

**PLEASE READ THESE INSTRUCTIONS BEFORE
INSTALLING YOUR NEW FITTING**

PLEASE RETAIN FOR FUTURE REFERENCE

Read this first:

- > **This light fitting must be installed in accordance with the Building Regulations.** These may be obtained from HMSO or viewed and downloaded from www.odpm.gov.uk following the link for Building Regulations.
- > **If in any doubt, consult a qualified electrician.**
- > Switch off the mains before commencing installation and remove the appropriate circuit fuse.
- > Do not use the fitting without the safety shield fitted.
- > Replace the safety shield if it is cracked or broken.
- > When replacing the lamp, do not touch with bare fingers, grip the lamp with a tissue or clean soft cloth.
- > Do not connect to a circuit which also has inductive loads connected as spikes generated switching inductive loads may damage electronic components within your PIR detector and may cause false triggering.
- > Suitable for outdoor use.
- > This product is suitable for installation on surfaces with normal flammability (indicated by the "F" in a triangle) e.g. wood, plasterboard, 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).
- > If the location of your new fitting requires the provision of a new electrical supply, the supply must conform with the requirements of the Building Regulations.
- > This product is designed for permanent connection to fixed wiring: this should be either a suitable lighting circuit (protected with a 5 or 6 Amp MCB or fuse) or a fused spur (with a 3 Amp fuse) via a fused connection unit. We recommend that the supply incorporates a

switch for ease of operation.

- > Make connections to the electrical supply in accordance with the following code:
 - Live - Brown or Red
 - Neutral - Blue or Black
 - Earth - Green and Yellow
- > Additional red wires may be present that are connected to the ring live circuit. Do not connect your fitting to these wires. If these wires are not separately terminated, join them together in a separate terminal block (not supplied), ensure that there are no strands of wire protruding from the terminals and wrap well with insulating tape.
- > This product must be connected to Earth.
- > 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. If in doubt, consult a qualified electrician.

Installation:

Choose the location of your new light fitting giving consideration to the following points:

- a) Avoid positioning the unit close to trees or shrubs that may cause false triggering during wet or windy weather.
 - b) Avoid positioning the unit close to heat sources such as boiler flues which may cause false triggering.
 - c) Avoid positioning the unit close to bright artificial light sources which will prevent the unit from operating when the lux control is set for operation in dark conditions.
 - d) PIR detectors are most sensitive to movement across the field of detection.
- 1) Remove the diffuser from the front of the fitting by inserting a wide bladed screwdriver into each of the slots at the side of the diffuser in turn, and twisting gently to release.
 - 2) Remove the translucent cover in front of the lampholder by first removing the small screw in the top left hand corner.
 - 3) Using the fitting as a template, mark the position of the fixing holes on your mounting surface, taking into account the position of

your emerging supply cable and the cable entry point in the fitting.

- 4) Pierce the rubber grommet in the cable entry and thread your supply cable through the grommet. The grommet should be a tight fit on the cable to maintain a good water-tight seal.
- 5) Secure your fitting in place using suitable fixings (not supplied).
- 6) Replace the translucent cover in front of the lampholder and secure using the screw removed earlier.
- 7) Fit a light bulb observing the maximum wattage marked on the side of the fitting and listed on the back of this leaflet.
- 8) Press the diffuser into place ensuring that all of the retaining clips have snapped into position correctly and that the diffuser is secure.
- 9) Adjust the position of the PIR detector to cover the desired area.
- 10) You can check the operation of the PIR detector by performing a "walk test", see below.
- 11) Restore the power and switch on.

Time on adjustment. (TIME control)

Turning the time control clockwise reduces the time that the light stays on after activation. Turning it anti-clockwise increases the time the light stays on after activation.

Lux level adjustment (LUX control)

Turning the lux control anti-clockwise (towards the sun symbol) increases the ambient light level in which the PIR will operate. Turning it clockwise (towards the moon symbol) will decrease the ambient light level in which the PIR will operate.

Walk test

Turn the Lux adjustment control fully anti-clockwise (towards the sun symbol) and the time control fully clockwise. The fitting will now operate in full daylight and stay on for between 5 and 15 seconds after each detection.

Adjust the position of the PIR detector so that it is triggered by movement in the desired area. Further adjustment can be made by blanking out sections of the PIR window with opaque tape (not supplied).

After satisfactory completion of the walk test, the lux adjustment needs to be set to allow operation of the light in darkness. At a time when the ambient light is at the level you want your light to turn on, turn the lux control clockwise (towards the moon symbol) until the light ceases to operate and then back slightly. Repeat adjustments over following nights until the operation of the light is as desired.

Adjust the time setting so that the light remains illuminated for the desired length of time.

Technical information

Operating Voltage:	230Vac
Detection angle:	120°
Maximum detection range:	12m
Time on:	adjustable between 5-15 seconds and 8-10 minutes
Lux level adjustable	

Safety markings:

