



Eterna VECOWL

 This luminaire contains built-in LED lamps.

A++
A+
A
~~**B**~~
~~**C**~~
~~**D**~~
~~**E**~~ } **LED**

The lamps cannot be changed in the luminaire.

874/2012 

| LED LAMP SPECIFICATIONS: | |
|--|-----------------------------------|
| Luminaire lumens (with diffuser) | 340 lm |
| Lumens from chip (no diffuser) | 600 lm |
| Useful lumens | 320 lm |
| Rated Wattage | 6W |
| Rated luminous flux | 320 lm |
| Nominal life time of the lamp | 30,000 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 | <0.5s |
| Dimmable | No |
| Nominal beam angle | 108° |
| Rated power | 6W |
| Rated lamp lifetime | 30,000 hrs |
| Lamp power factor | >0.5 |
| Lumen maintenance factor at end of nominal life | 80 |
| Starting time | <0.5s |
| Colour rendering | ≥80 |
| Colour consistency | Within a six step Macadam ellipse |
| Rated peak intensity | 123cd |
| Rated beam angle | 108° |
| Voltage / Frequency | 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.

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.

CLEANING:

To avoid dust build-up and ensure proper functioning of the wall light, please wipe the sensor lens lightly with a damp cloth every 3 months.

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.



INSTALLATION INSTRUCTIONS

A guide for qualified electricians



Pack contents:
• LED wall light
• Fixing pack

Model:

VECOWLPIRW / VECOWLPIRG

LED Plastic Wall Light With 160° PIR

These instructions are provided as a guideline to assist you.

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION AND RETAIN FOR FUTURE REFERENCE

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

INTRODUCTION:

The wall light incorporates a PIR (passive Infrared) sensing device which continuously scans a preset operating zone and immediately switches the light on when it detects movement in that area.

This means that whenever movement is detected within the range of the sensor the light will switch on automatically to illuminate the area you have selected to light. While there is movement within range of the unit the light will remain on.

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).

Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

Make sure that the fixings are secured well enough to hold the fitting rigidly.

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

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.

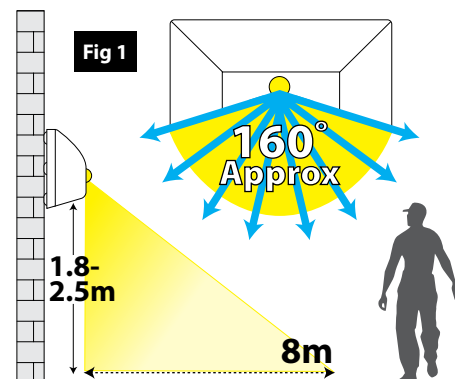
This product is double insulated. **DO NOT CONNECT ANY PART TO EARTH.**

WHERE TO FIT YOUR PIR WALL LIGHT:

To achieve best results we suggest you take the following points into consideration:

Do not mount on a surface that has vibration.

Ideally the PIR wall light should be mounted 1.8 to 2.5 metres (6 to 8ft) above the area to be scanned (refer to Fig. 1 below).



To avoid damage to the unit do not position the fitting sensor towards the sun.

Avoid positioning the sensor unit adjacent to a bright light source which may prevent the unit from operating when the lux control is set to operate at night.

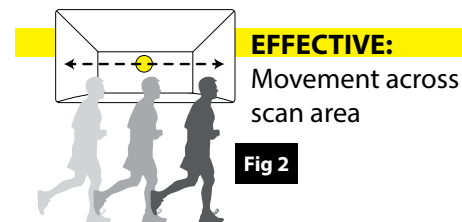
Avoid nuisance false triggering by directing the fitting away from:

Trees and shrubs
Reflective surfaces such as smooth white walls
Swimming pools
Heat sources such as boiler flues

The PIR sensor scanning specifications (approximately 8 metres at 160°) may vary slightly depending on the mounting height and location.

The detection range of the unit may also alter with temperature change. Before selecting a place to install your PIR wall light you should note that movement across the scan area is more effective than movement directly towards or away from the sensor (refer to Fig. 2 opposite).

If movement is made walking directly towards or away from the sensor and not across, the apparent detection range will be substantially reduced (refer to Fig. 3 opposite).

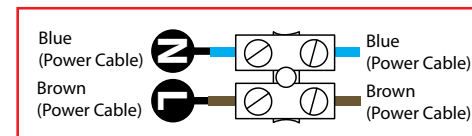


INSTALLATION:

- 01) Remove the outer cover by releasing the 2 clips on the back of the fitting (see above right for example).
- 02) Undo the 5 retaining screws and remove the diffuser.
- 03) Using the back of the fitting as a template, mark the location of the fixing holes.
- 04) Pierce the rubber grommet in the back of the fitting making sure the hole is as small as possible so that a good watertight seal is maintained when the cable has been threaded through.
- 05) Thread the cable through the grommet.
- 06) Secure the fitting to the wall using the fixing pack supplied. If the fixings supplied are not suitable for your installation, select suitable alternatives.



- 07) Make the connections to the terminal block according to the colour code:



- 08) Replace the diffuser and tighten the 5 screws.
- 09) Replace the outer cover.

TROUBLESHOOTING AND USER HINTS:

Note: all passive infra red detectors are more sensitive in cold and dry weather than warm and wet weather.

| PROBLEM | POSSIBLE CAUSE | SUGGESTED REMEDY |
|--|--|---|
| Light does not switch on when there is movement in the detection area. | 1. No mains voltage | Check all connections, and MCB Fuses / switches |
| | 2. Nearby lighting is too bright | Relocate the unit |
| | 3. Wired incorrectly | Check wiring and confirm its wired as per the wiring diagram |
| Light switches on for no apparent reason (false trigger) | 1. Heat sources such as air-con, vents, heaters, flues, other outside lighting, moving cars trees or shrubs are activating sensor | Relocate fitting |
| | 2. Animals / birds activating sensor | Relocate fitting |
| | 3. Interference from on/off switching of electric fans or lights on the same circuit as your fitting. (This problem does not always occur but a faulty switch may cause the fitting to switch on) | Should the false triggering become, troublesome, consider: (a) Replacing a faulty switch (b) Connecting the fitting to a separate circuit (in most cases where one or more of the above suggestions have been carried out, false triggering has been reduced) |
| | 4. Reflection from swimming pool, or reflective surface such as smooth white walls | Relocate fitting |
| Light remains on | Continuously false triggered | Relocate fitting |
| Light remains on at nighttime | Possible heat source in detection zone | Cover PIR sensor lens with a thick cloth, if the light turns off check detection area for heat or reflective source, reposition head |
| When setting the lux controls to daylight the detection distance becomes shorter | Interference by sunlight | Re-test at night |

SPECIFICATIONS:

- Detection range: Approx. 160° (horizontal), Max. 8 metres.
- Duration time: from 5 sec - 8 mins. (adjustable).
- Daytime and night-time operation or night-time only.

LAMP REPLACEMENT:

The light source is designed to last the lifetime of the luminaire.

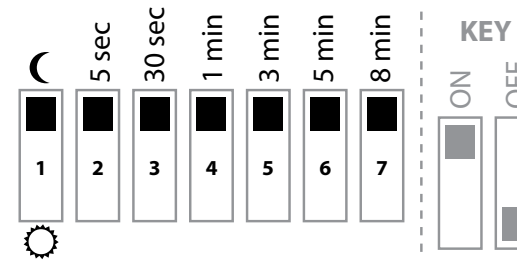
The light source contained in this luminaire shall only be replaced by the manufacturer, service agent or a similar qualified person.

CAUTION, RISK OF ELECTRIC SHOCK.



ADJUSTING THE CONTROLS:

Please see diagram below of the PIR controls inside the fitting.



| PIN | Control Information |
|-----|--------------------------------|
| 1 | On (night) / Off (day & night) |
| 2 | Time Delay - 5 Seconds |
| 3 | Time Delay - 30 Seconds |
| 4 | Time Delay - 1 Minute |
| 5 | Time Delay - 3 Minutes |
| 6 | Time Delay - 5 Minutes |
| 7 | Time Delay - 8 Minutes |

DIPSWITCH 1 DAY & NIGHT OPERATION

ON = NIGHT
Ensures the fitting works at night or times of low light levels

OFF = DAY
Allows the fitting to operate during night and day

DIPSWITCHES 2-7 TIME DELAY

Select the time the unit remains on after activation by the PIR
(Only one time setting, one switch, should be selected to ON position)

