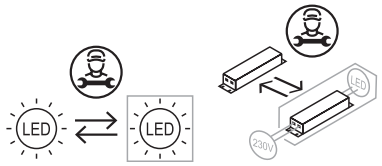
LED LAMP SPECIFICATIONS:	
Luminaire lumens (with diffuser)	**510 lm**
Lumens from chip (no diffuser)	**710 lm**
Useful lumens	**480 lm**
Rated Wattage	7W
Rated luminous flux	480 lm
Nominal life time of the lamp	50,000 hrs
Colour temperature	3000K
Number of switching cycles before premature lamp failure	≥15,000
Warm-up time up to 60% of the full light output	Instant Full Light
Dimmable	No
Nominal beam angle	120°
Rated power	7W
Rated lamp lifetime	50,000 hrs
Displacement factor	≥0.9
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	237cd
Rated beam angle	120°
Voltage / Frequency	240V~50Hz
Lumen efficacy: 72 lm / W	
This product contains a Light Source of Energy Efficiency Class F	
Class 2 double insulated	
Not suitable for accent lighting	



See website for more information on replacability and recycling

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.

UK CA IP44 CE

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Visit our website: **www.eterna-lighting.co.uk**

Issue 1121

Made in China

Eterna

Everyday Lighting For Professionals

V2

INSTALLATION INSTRUCTIONS

A guide for qualified electricians

Model:

VECOHPIRBK

Pack contents:
- Half lantern
- Mounting fixtures

LED Economy Half Lantern With 120° PIR

These instructions are provided as a guideline to assist you.

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION AND RETAIN FOR FUTURE REFERENCE

INTRODUCTION:

The half lantern 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 strong enough to support the considerable weight of the fitting and hold it 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.**

CLEANING:

To avoid dust build-up and ensure proper functioning of the half lantern 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.

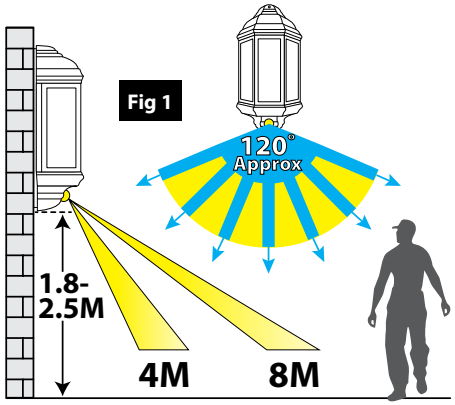
WHERE TO FIT YOUR PIR HALF LANTERN:

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 half lantern should be mounted 1.8 to 2.5 metres (6 to 8ft) above the area to be scanned (refer to Fig. 1 below).

Fig 1



To avoid damage to the unit do not aim 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 in dark conditions.

Avoid nuisance false triggering by directing sensor away from:

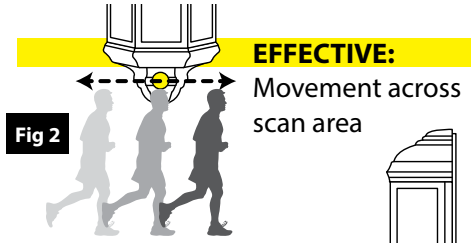
Trees and shrubs
Reflective surfaces such as smooth white walls
Swimming pools
Heat sources such as boiler flues

The PIR sensor scanning specifications (approximately 8 metres at 120°) 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 lantern 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 below).

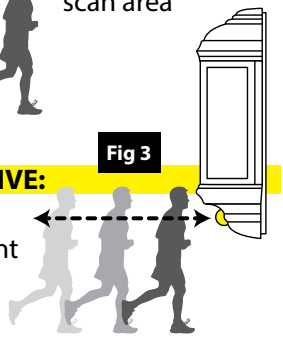
If movement is made walking directly towards or away from the sensor and not across the apparent detection range will be substantially reduced (refer to Fig. 3 below).

Fig 2



EFFECTIVE:
Movement across scan area

Fig 3



LESS EFFECTIVE:
Movement directly in front of scan area

INSTALLATION:

01) Undo the screws at the top and bottom of the fitting and lift off the front.

02) Undo the screw in the plastic cover at the bottom of the fitting and remove the terminal.

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. Make the hole 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 fixings (supplied). If the fixings supplied with your fitting are not appropriate to your installation, select suitable alternatives.

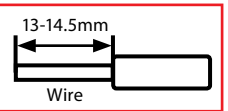
07) Make the connections to the terminal block according to the colour code.

08) Replace the cover and tighten the screw.

09) Replace the front of the fitting and tighten the screws.

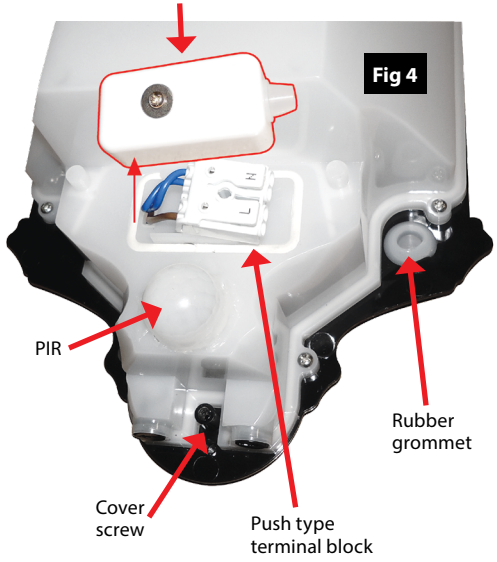
10) Restore the power and switch on.

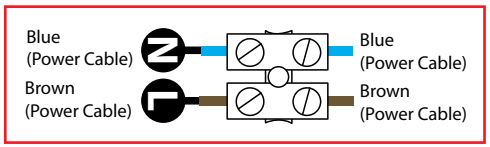
NOTE: Wires should be stripped 13-14.5mm for best fit with the push-fit terminal block.



Unscrew cover to get access to terminal block

Fig 4





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 in daylight the detection distance becomes shorter	Interference by sunlight	Re-test at night

SPECIFICATIONS:

- Detection range: Approx. 120° (horizontal), Max. 8 metres.
- Duration time: from 5 sec - 5 mins. (adjustable).
- Factory preset PIR - no override facility.
- LUX - adjustable.

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.

UNDERSTANDING THE CONTROLS:

Please refer to Fig. 5 below.

ADJUSTING THE DURATION TIME:

The length of time that the light remains switched on after activation can be adjusted from 5 seconds to 5 minutes. Rotating the TIME screw (+) to (-) will reduce the time duration.

Note: once the light has been triggered by the PIR sensor any subsequent detection will start the timed period again from the beginning.

ADJUSTING THE LUX CONTROL LEVEL:

The lux control module has a built-in sensing device (photocell) that detects daylight and darkness. The (☼) position denotes that the bulkhead light can work at day and night, and the (☾) position will only work at night.

You can set to operate the light at the desired level by adjusting the LUX screw.

SETTING THE CONTROLS:

Turn the LUX control knob to light (☼) position, at this stage ensure that the time control screw is set at minimum duration time (-) position. The bulkhead light will now switch on and remain on for about 5 seconds.

Direct the sensor toward the desired area to be scanned.

Adjust time control to required setting.

To set the LUX level at which the lamp will automatically switch “on” at night, turn the LUX control screw from daylight to night (☾). If the lamp is required to switch on earlier, e. g. dusk, wait for the desired environment light level, then slowly turn the LUX control screw towards the daylight (☼) while someone walks across the centre of the area to be detected. When the lamp switches on, stop adjusting.

Fig 5