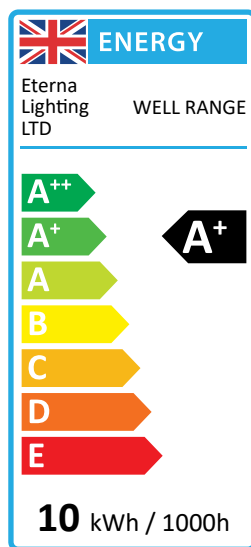


LED LAMP SPECIFICATIONS:	
Luminaire lumens (with diffuser)	660 lm
Lumens from chip (no diffuser)	900 lm
Useful lumens	660 lm
Rated Wattage	10W
Rated luminous flux	660 lm
Nominal life time of the lamp	25,000 hrs
Colour temperature	4000K
Number of switching cycles before premature lamp failure	12,500
Warm-up time up to 60% of the full light output	Instant Full Light
Dimmable	No
Nominal beam angle	120°
Rated power	10W
Rated lamp lifetime	25,000 hrs
Lamp power factor	>0.5
Lumen maintenance factor at end of nominal life	70
Starting time	0.5s
Colour rendering	≥80
Colour consistency	Within a six step Macadam ellipse
Rated peak intensity	214cd
Rated beam angle	120°
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.

LAMP REPLACEMENT:

The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.



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.

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.

 **Eterna**
Everyday Lighting For Professionals

INSTALLATION INSTRUCTIONS

A guide for qualified electricians



Pack contents:

- 1 x Well glass fitting
- 1 x Corner & wall bracket assembly
- 1 x Fixing kit

Model:

WELLBKSTD / WELLWHSTD
WELLBKPIR / WELLWHPIR

Polycarbonate LED Well Glass Fitting
With Optional Corner Bracket

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

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.

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 and allow for safe connection 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.

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.

PIR SPECIFICATIONS:

- Detection range: approx. 120° (horizontal), max. 10 metres.
- Duration time: 7 minutes.
- Factory preset PIR - no override facility.
- LUX - 10 lx.

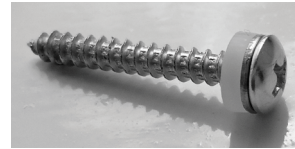
CORNER MOUNTING:

- 1) Use corner mounting bracket as a template to make fixing holes.
- 2) Pass the supply cable through the rubber grommet in the corner mounting bracket.
- 3) Secure corner bracket to the wall using fixings supplied.

Go to wiring instructions.

WALL MOUNTING:

- 1) Remove the screws from centre of bracket – this will allow you to separate the wall plate from the corner bracket. Retain steel and silicone washers to be re-used with wall bracket fixings supplied to maintain the IP rating.
- 2) Using the wall plate as a template to mark the fixing holes.
- 3) Pass the supply cable through the rubber grommet in the wall plate.
- 4) Secure the wall plate to the wall using fixing kit supplied and reusing steel & silicone washers as per image below:



WIRING INSTRUCTIONS:

- 1) Make connections between your fitting and the supply wiring according to the following code:

Live: Brown or Red
Neutral: Blue or Black

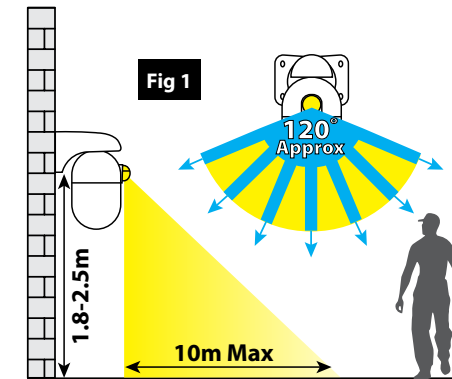
- 2) Ensure the rubber gasket is in position around the outside of the wall plate and aligned with screw holes to maintain the IP rating. (See fit quick guide enclosed for example).
- 3) Remove top and bottom fixing screws from wall mounting plate and locate the fitting over the wall plate ensuring that the fitting is pointing directly downwards. Secure with the top and bottom fixing screws you previously removed.
- 4) Restore power.

PIR VERSION:

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 fitting 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 aim sensor towards the sun.

Avoid positioning the sensor unit adjacent to a bright light source which may prevent the unit from operating in dark conditions.

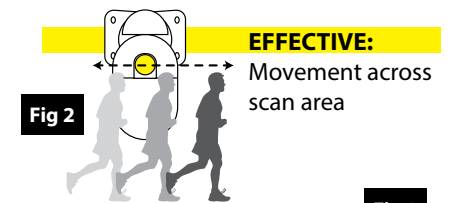
Avoid nuisance false triggering by directing sensor away from:

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

The PIR sensor scanning specifications (approximately 10 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 fitting 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).



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
	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

LED Polycarbonate Well Glass Quick Fit Guide

