

TIMEGUARD[®]

LED Energy Saver PIR Bulkhead Light



Model: LEDBHR25WPIR



Model: LEDBH025WPIR

Installation & Operating Instructions

1. General Information

These instructions should be read carefully and retained for further reference and maintenance.

Note: Timeguard reserve the right to alter these instructions at any time. Up to date instructions will always be available for download at www.timeguard.com/pdf-instructions

2. Safety

- Before installation or maintenance, ensure the mains supply to the luminaire is switched off and the circuit supply fuses are removed or the circuit breaker turned off.
- It is recommended that a qualified electrician is consulted or used for the installation of this luminaire and install in accordance with the current IEE wiring and Building Regulations.
- Check that the total load on the circuit including when this luminaire is fitted does not exceed the rating of the circuit cable, fuse or circuit breaker.
- To clean use a clean dry cloth only. Do not use liquid cleaners.

3. Technical Specifications

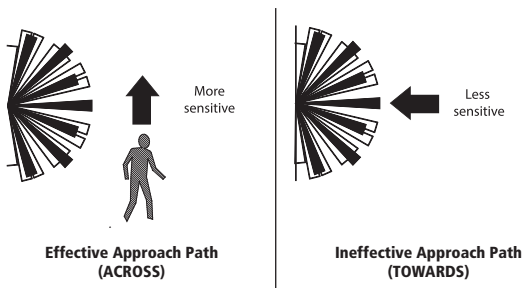
- Mains Supply: 230V AC 50Hz
- This luminaire is of class I construction and must be earthed
- IP Rating: IP65
- Operating Temperature: 0° to 40°C
- Standby Power: <0.5W
- PIR Detection Range: 6m at a 3m mounting height
- Detection Angle: 100° (Fixed)
- PIR Sensitivity Adjustment: Yes: (Detection distance) 0.5m to 6m

- Time ON Adjustment: 10 seconds - 5 minutes
- (LUX) level adjustment: 10 - 2000
- Manual Override: Yes (Pulse)
- Colour Temperature 5000K
- UKCA & CE Approved

Model	Watts	Lumen Output	Mounting Hole Centres	Dimensions
LEDBHO25WPIR	25W	2000lm	220mm	H:270 W:165 D:86
LEDBHR25WPIR	25W	2000lm	155mm	Ø:244 D:75

4. Selecting a location

- The PIR has a number of detection zones at various horizontal and vertical angles as shown below.



- A moving human body or object needs to cross one of these zones to activate the sensor. Careful positioning of the PIR is required to ensure the best performance from the PIR and the appointed approach path.
- Avoid positioning the PIR near any sources of heat in and around the detection area such as extractor fans, tumble dryers or boiler exhausts etc. This would also include other sources of light such as security and street lighting.

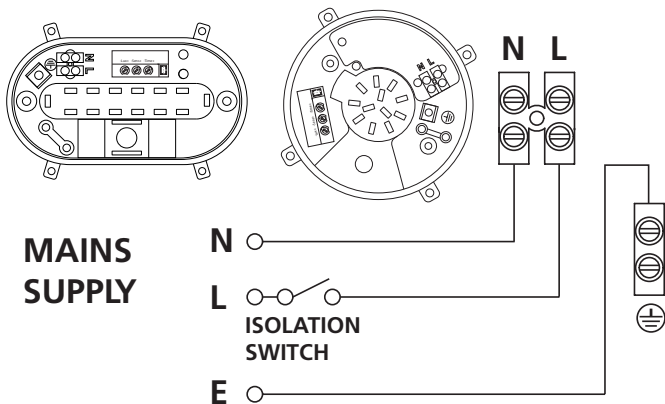
- Reflective surfaces (i.e. pools of water, white painted walls, overhanging branches and other types of foliage) may cause false activation under heightened weather conditions.
- During extreme weather conditions the PIR may exhibit unusual behaviour. Once normal weather resumes, the PIR will carryout normal operations.

5. Installation

- Remove the frame of the unit by undoing the 4 screws that secure the diffuser with the main housing.
- Mark the position of the holes on the wall using the main housing as a template.
- Drill the holes for the wall plugs ensuring not to infringe with any gas/water pipes or electrical cables that may be hidden below the surface of the mounting point.
- Undo the cable gland sufficiently to allow the mains supply cable to be pushed and fed through the back.
- Secure the supply cable into the luminaire through the hole(s) provided ensuring that the cable gland, grommet or sealing compound is used to maintain the IP rating of the luminaire.
- Leave enough slack to allow for wiring, retighten the cable gland.
- Fix the luminaire using the correct screws for the wall plugs.
- Terminate the cable into the terminal block (see section 6 connection diagram) ensuring the correct polarity is observed and that all bare conductors are sleeved.
- Secure the supply cable using the cable clamp.
- To set the PIR of the luminaire, follow the walk test procedure as shown in section 8. Then reposition the lens over the unit, taking care to ensure the gasket and PIR pin connector is in place and that the pin connector is not hanging from the socket.

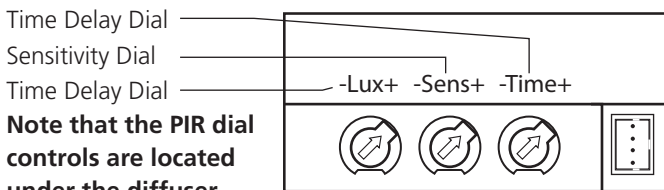
- Secure the lens and bezel back into place using the 4 screws previously removed at the beginning of the installation.

6. Connection Diagram



Live (Brown or Red)	L
Neutral (Blue or Black)	N
Earth (Green/Yellow)	⊕

7. PIR Controls



8. Commissioning and Operation

- Restore the power from the mains supply breaker or isolating switch and test for the correct operation.

Walk Test Procedure

- For best practise, ensure the diffuser is not hanging by the PIR control wire when setting / adjusting the PIR control dials. The diffuser will need supporting from the main housing to ensure the pin connector remains secure and operational.
- Adjust the time dial (fully anti-clockwise), to test mode. This should bypass the photocell so the walk test can commence at day or night periods.
- The PIR will now switch on the luminaire at anytime where movement is detected. If the PIR fails to switch ON the luminaire set the lux dial to the maximum lux setting.
- Once the unit times out to the OFF position, walk across the detection area. When the PIR is triggered the luminaire will switch ON briefly for a set amount of time.
- Once satisfied with the pickup area of the PIR, turn the lux dial in the anti-clockwise direction to trigger when dusk is approaching. After this setting has been configured set the time delay and sensitivity dials to your preference.
- See (section 7 PIR controls) for the PIR dial locations.

9. Manual Override Function

- This can be activated at night by using the internal wall switch. Turn the internal wall switch off for 30 seconds. Then turn the wall switch on,off,on,off then on again within 3 seconds. The unit will remain on for 6 hours or until dawn (whichever comes first). To set the unit back to auto mode, turn the wall switch off for 30 seconds then turn the wall switch back on again.

10. Troubleshooting Guide (Next Page)

Problem	Cause/Solution
The luminaire does not switch on when in the detection area.	Faulty light source.
	Nearby light sources causing interference. Redirect the PIR or light source if possible.
False activation. (Luminaire switches on for no apparent reason)	Heat sources as described in section 4.
	Reflective surfaces described in section 4.
	Moving pedestrians, cars or animals in the area. Check the detection area.
	Nearby electromagnetic disturbance from a neighbouring circuit (CCTV interference).
Luminaire remains switched on	Continuous false activation resetting the delay time when an object is detected.
Luminaire switches on during daylight hours	Shadow casting over the PIR sensor
	Clouds creating a dark presence.
	Ensure the luminaire receives adequate daylight from all angles (not covered).

3 Year Guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture, within 3 years of the date of purchase, please return it to your supplier with proof of purchase and it will be replaced free of charge. For years 2 to 3 or with any difficulty in the first year, telephone our helpline. Note: a proof of purchase is required in all cases. For all eligible replacements (where agreed by Timeguard), the customer is responsible for all shipping/postage charges outside of the UK. All shipping costs are to be paid in advance before a replacement is sent.



If you experience problems, do not immediately return the unit to the store.

Email the Timeguard Customer Helpline:

HELPLINE

helpline@timeguard.com

or call the helpdesk on 020 8450 0515

Qualified Customer Support Coordinators will be online to assist in resolving your query.



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