INSTRUCTIONS
LIGHTHOUSE Bollard Light (Root Mount)
All Variations – Standard & Photocell

WARNINGS
PLEASE READ THESE INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION / MAINTENANCE

- If a fitting is found to be damaged, cease use immediately.
- This is a Class 1 product and must be earthed.
- This unit must be fitted by a competent and qualified electrician.
- Install in accordance with IEE wiring regulations and current Building Regulations.
- To prevent electrocution, switch off mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electrical supply without your knowledge.
- This light fitting should be connected to a circuit with a 30Ma RCD fitted. Maximum 12-15 fittings on each circuit recommended.
- If replacing an existing fitting, make a careful note of the connections.
- All connections should be made as watertight as possible to avoid electrical shortage.
- When changing the bulb, always switch off at the mains & allow to cool before handling.
- Always use the correct type & wattage bulb. Never exceed the wattage stated.
- The unit may get warm whilst on for a period of time.

Voltage: 220 - 240v 50Hz
Max. Wattage: 60w
Bulb Holder: ES / E27
Recommended Bulb: High Output LED GLS Bulb
IP Rating: IP65
Product Heights: 0.6m / 0.8m / 1.0m above ground + 0.4m below ground (approx.)
Product Finishes: Green / Black
Product Head Styles: Dome / Flat / Pillar
Materials: Aluminium and Polycarbonate (stainless steel screws)
Mount: Professional Root Mount System with Anchor Bar
Sensor: Photocell (Dusk to Dawn) – optional (this is factory pre-set and cannot be changed)

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5 YEAR
GUARANTEE
see website for more details
Reduced warranty for specific components

INCLUDED: Root Mount Tube, Bollard Head, Bulb Holder with Connection Box, 3 x Bulb Holder Screws, 1 x Anchor Bar & 2 x Nuts, 2 x Security Pin Hex Screws & Allen Key, M20 Cable Gland, Photocell (optional), Bulb (Optional).

CLEANING:

Occasional cleaning and care is recommended for this product. Please refer to our website for the best way to clean different materials.

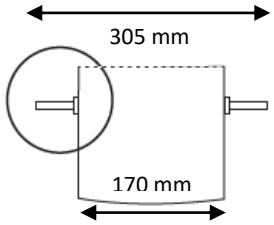
LAMP INSTALLATION / REPLACEMENT: (Ensure power is turned off prior to changing the lamp)

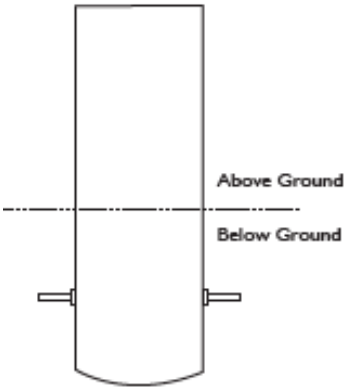
1. If assembled, remove 2 x hex screws from bollard head using the allen key provided.
2. Remove the head by lifting this off the bollard tube / body.
3. Remove / Insert lamp (screw base – E27).
4. Replace head and secure screws with allen key as removed in step '1'. Alternate the tightening of screws to prevent misalignment.

IMPORTANT: Condensation can occur due to the warmth inside the fitting produced by the lamp and the cold air outside. If this is noticed, on a dry day, turn off the power supply, safely remove the head, and wipe dry with a soft cloth.

INSTALLATION:

IMPORTANT: Cable should be laid inside armoured conduit or piping to protect from water-logging, chemicals found in soil and damage. If buried, it should be buried to at least 0.5m below ground to reduce damage risk. If this method is not used, cable warranty will be void.





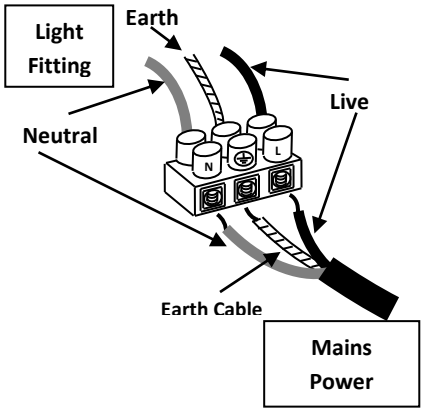
1. Push the anchor bar through the pre-drilled holes at the base of the tube and secure in place with the 2 x locking nuts provided.
2. Prepare a mounting hole in the desired location to allow for a tube depth of approx. 400mm (can vary depending on the required height above ground). Ensure the diameter of the hole is at least 400mm to accommodate the anchor bar & tube and allow for concrete / earth to be added – Concrete installation recommended. TIP: Carry out placement check, ensuring the pre-drilled photocell hole in the tube will be facing the correct direction for optimum light sensitivity.
3. **IF USING CABLE GLAND:** Drill out a 20mm hole at the desired location for cable exit (just above ground height is recommended). Remove the nylon locking nut from the gland. Push the thread through the drilled hole from the outside, ensuring the rubber o-ring is on the outside of the tube, and secure in place with the locking nut inside the tube. Remove the domed cap, push the cable through the cap, threaded gland and then the locking nut. Secure the cap in place, screwing clockwise, when the desired length of cable has been pulled through to reach the bulb holder at the top of the tube with plenty of slack.
4. **WITHOUT CABLE GLAND:** Pull the supply cable up through the bottom of the tube / body of the bollard and then safely reposition I the prepared hole. Double check that the pre-drilled photocell hole in the tube is facing the correct direction.
5. Open the connection box on the bulb of the bulb holder by removing the 2 x cross head screws on the left and right sides.
6. Pass the mains cable through the loosened cable entry gland / rubber grommet and wire accordingly – see wiring diagrams below. Check that the supply wires are correctly identified, the connections are tight and that there are no loose strands.
7. Tighten the cable entry gland, replace the lid of the connection box and secure with the 2 x screws removed previously.
8. PHOTOCELL VERSIONS ONLY (black photocell box will be screwed to the bulb holder connection box lid)
    a. Unscrew the black nut on the front of the photocell sensor and remove top rubber washer, leaving the other in position.
    b. Push the threaded section of the photocell through pre-drilled hole in the tube / body from the inside so that it protrudes.
    c. Replace the rubber washer and black nut on the outside of the tube – tightening to secure in place.
9. Flip the bulb holder so that it is facing upwards and position on top of the bollard tube, aligning the 3 x holes and secure in place with the 3 x bulb holder screws provided.
10. Insert E27 light bulb (see LAMP INSTALLATION / REPLACEMENT for further info).
11. Carefully place the head over the bulb, being careful not to knock or damage the bulb and check that the holes in each side of the head match those at the top of the tube. **NOTE:** if the holes are not lining up accurately, try rotating the head by 90 degrees.
12. Secure head in place with the 2 pin hex security screws and allen key provided. Alternate screw tightening to prevent misalignment.
13. Test prior to setting in place for easier access to cable in case of issues - the photocell will need to be covered for daytime testing.
14. Mount the Tube into the desired location using supports to hold the fitting upright and checking that it is straight with a spirit level. Concrete or earth must cover the anchor bar and at least 200-300mm above.

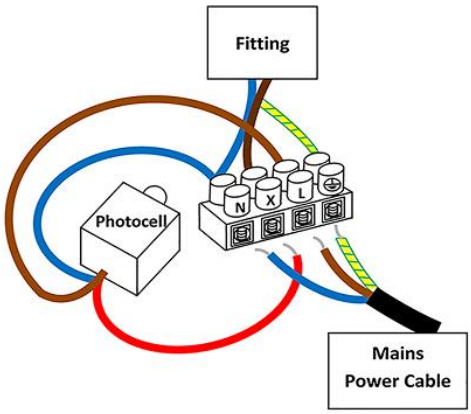
WIRING DIAGRAMS:

Please Note: For models with a photocell, the fourth connection on the connection block will already be wired to the photocell and one connector will contain two neutral wires. This should not be changed. Test once wired by covering the photocell to trigger the light sensor and turn on.

CABLES:
Neutral (N) = Blue
Live (L) = Brown
Earth ⏚ = Yellow & Green
Live Out (X) = Red (Photocell Only)

Colours of wire sleeving may vary slightly – Test prior to use.





Some models may include a small length of cable to connect to a junction box at the base of the tube. This can be replaced.