

INSTRUCTIONS

FORTRESS Surface Mount Bollard Light

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 I 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 / Photocell = IP44

Product Heights: 0.4m / 0.6m / 0.8m / 1.0m (approx.)

Product Finishes: Garden Green / Graphite Black

Product Head Styles: Dome / Flat / Pillar

Materials: Aluminium and Polycarbonate (stainless steel screws)

Mount: Surface Mount

Sensor: Photocell (Dusk to Dawn) – optional (this is factory pre-set and cannot be changed)



**5 YEAR
GUARANTEE**

see website for
more details
Reduced warranty for
specific components

INCLUDED: Surface Mount Tube, Surface Mount (Base), Bollard Head, Bulb Holder with Connection Box, 3 x Bulb Holder Screws, 4 x Anchor Bolts, 6 x Hex Screws, Allen Key, Photocell (optional), Light 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.

RETURNS:

If purchased from a 3rd party, please contact your supplier. If purchased direct, contact us by phone or email:

Exterior Lights UK Ltd Tel: +44 1689 606342

Email: sales@exteriorlights.co.uk

Our full returns policy is available on our website.

Waste Electrical Products should not be disposed of with household waste. Please check with your local authority or contact us for more information. Please recycle packaging whenever possible.

Producer Registration Number: **WEE/KC3440XY**

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 the polycarbonate lens with a twist and pull action anticlockwise.
4. Remove / Insert lamp (screw base – E27).
5. Replace the polycarbonate lens (ensuring the rubber gasket is placed back on) then replace the 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.

Full product range & more information: www.exteriorlights.co.uk

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.

This bollard should be securely fixed to a concrete base, paving slab or quality wooden decking. It should not be installed directly into soil. For fixing to a new concrete base, root fixing bolts will be required (available for sale.) For fixing into existing paving slabs, concrete or decking, heavy duty fixing screws and bolts will be required. Ensure the fixing screws / bolts are stainless steel or zinc plated to avoid corrosion.

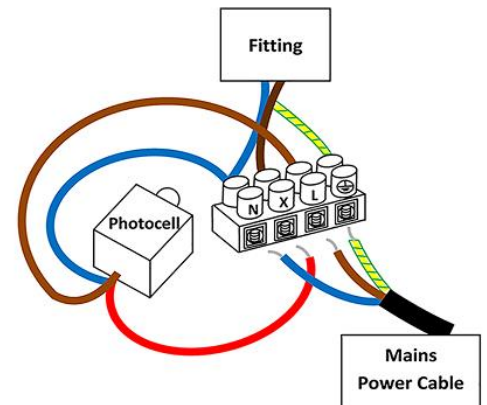
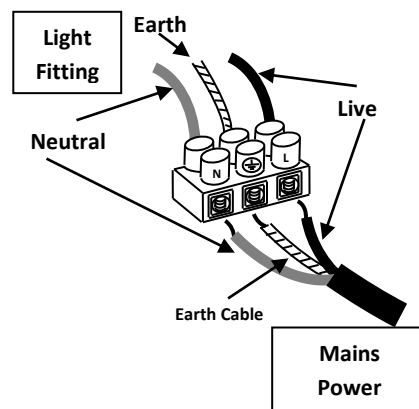
1. Remove 4 x socket screws at the foot of the bollard tube with the 3mm Allen Key provided and lift the bollard body from the base.
2. Position bollard base in the desired location, ensuring the supply cable is central to the base and enough cable is available to easily connect to the bollard connection box at the top of the tube / body with plenty of slack for ease of wiring.
3. Secure the base in place with the correct fixings for your surface (4 x heavy duty anchor bolts have been supplied for optional use.
4. Pull the supply cable up through the bottom of the tube / body of the bollard and then reposition the tube back over the bollard base and secure in place with the allen screws removed in step '1'. Ensure pre-drilled photocell hole in the tube is facing the correct direction for optimum light sensitivity.
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 cable entry gland, replace the lid of the connection box and secure with the 2 x screws removed previously.
8. **PHOTOCELL VERSIONS ONLY** – (photocell box will be screwed to the bulb holder connection box lid)
 - o Unscrew the black, nylon nut on the front of the photocell sensor and remove top rubber washer, leaving the other in position.
 - o Push the threaded section of the photocell through pre-drilled hole in the tube / body from the inside so that it protrudes.
 - o 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 polycarbonate diffuser (including rubber gasket) over the bulb, being careful not to knock or damage the bulb. Twist clockwise to lock in place.
12. Place the head over the top of the polycarbonate diffuser 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. Secure in place with the 2 x socket screws and allen key provided. Alternate the tightening of screws to prevent misalignment.
13. Test the bollard – the photocell will need to be covered for daytime testing.



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 terminal 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 removed if desired.

SPARES, ALTERNATIVE MOUNTING OPTIONS & ACCESSORIES AVAILABLE FROM LUMENA

J-Bolts can be used to mount the base into wet concrete. Standard Hex Screws can be upgraded to Pin Hex Security Screws.

Full product range & more information: www.exteriorlights.co.uk