INSTRUCTIONS
Boleda CONUS 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 colour temperature or other components, always switch off at the mains & allow to cool before removing the head.
- The unit may get warm whilst on for a period of time.

Voltage: 220 – 240V 50Hz
Wattage: 20W
LED: Seoul 2835 0.2W
Colour Temperature: 3000K, 4200K, 6500K (3-in-1 switch)
Lumens: 1600 lm
CRI: 80
IK Rating: IK08
IP Rating: IP65
Cable: H05RN-F 3x 1.0mm² (internal head to base)
Connection Housing: IP68 in-line connector M20x1.5mm, 0.5mm–4mm (at base)
Product Height: 1.4m (1.0m above ground + 0.4m below ground) (approx.)
Bollard Finish: Black (RAL 9005 fine textured/sand grain)
Head Style: Flat
Materials: Aluminium (<5mm) / Polycarbonate (stainless steel screws)
Protection: Short circuit / overload / no load / Insulation voltage: I/P to O/P, 3KVac/1min / Insulation Resistance: >100Mohm @ 500VDC
Mount: Professional Root Mount System with Anchor Bar
Sensor: Photocell (Dusk to Dawn) – optional (this is factory pre-set and cannot be changed)
INCLUDED: Bollard (incorporated root mount tube), 1 x Anchor Bar & 2 x Nuts, M20 Cable Gland, Allen Key, Photocell (optional).

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

CLEANING:

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

IMPORTANT: Condensation can occur due to the warmth inside the fitting produced by the LEDs 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.

RETURNS:

If purchased from a 3rd party, please contact your supplier. If purchased direct, contact us by phone or email:
Lumena Lights Ltd, Centre 33 Long March, Daventry, NN11 4NR Tel: +44 1327 871161 Email: sales@lumenalights.com

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 Numbers: WEE/KC3440XY

COLOUR SWITCH:

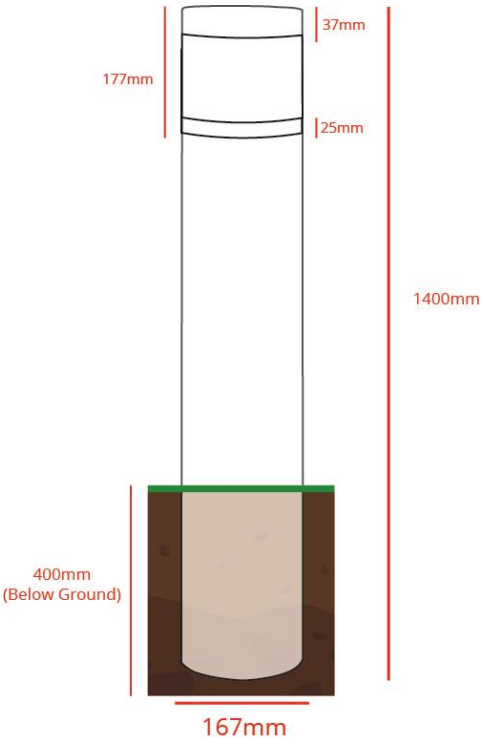
The Boleda Range have a LED colour switch located on the underside of the head. This can be accessed by removing the head via the 3 x socket / grub screws with the supplied allen key. Follow the switch combination on the label to select the desired colour temperature (3000K / 4200K / 6500K).

Full product range & more information: **www.lumenalights.com**

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.

Always test bollards prior to installation, especially if concreting in place.



1. Push the anchor bar through the pre-drilled holes at the base of the tube and secure in place with the 2 x 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 photocell located 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 in the tube 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 connecter inside the tube with plenty of slack.
4. **WITHOUT CABLE GLAND:** Cable will simply enter the underside of the tube.
5. Carefully lay down the bollard on a soft, protective surface e.g. cloth / cardboard and connect the mains cable to the bollard via the In-line connector provided (see diagram). Alternative, change the connector to a waterproof, multi-way junction box.
6. Check that the supply wires are correctly identified, the connections are tight and that there are no loose strands. Also check that the connector is fully tightened and sealed.
7. Push the cable up as high up inside the tube as possible and mount in position, ensuring the photocell is facing the correct direction and that the cable connection will not be covered with the mounting material (earth / concrete).
8. 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 which has a short delay of <5 secs..
9. Mount the Tube into the final 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:

Please Note: For models with a photocell, the photocell is pre-wired within the head, not the connector block at the base of the tube. Should the photocell become faulty, please contact us for further information.

CONNECTIONS:

Neutral (N) = Blue
Live (L) = Brown
Earth ⏚ = Yellow & Green

<u>In-line Connector</u>

1. Unscrew and remove the cap and thread from the open end of the connector
2. Unscrew cap from cable end of connector and move up the cable
3. Pull the red, rubber grommet up the cable to the label (approx.)
4. Pull centre sleeving up the cable pushing the cable downward to reveal the terminal block
5. Loosen the 3 screws at the open edge of the connector block.
6. Place end cap and thread over your prepared mains cable and then wire into the connector block accordingly, fastening the 3 screws to secure the cables in place. Ensure there are no loose strands and that the wire is clamped, not the rubber sheath. Each terminal is marked with the Live, Neutral or Earth Symbol, with the screw threaded towards the relevant terminal.
7. Always check wires are connected to the correct wire / terminal.
8. Reassemble the in-line connector:
    a. Pull the sleeving back over the terminal block, then pull red, rubber grommet back inside the flexi-end of sleeving, then replace end cap securely (clockwise – turning end cap – DO NOT TWIST CABLE).
    b. Reattach the thread to the sleeving, fully encasing the terminal block and then the end cap (DO NOT TWIST CABLE)