



**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 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 1.0mm<sup>2</sup> (internal head to base)

**Connection Housing:** IP68 in-line connector M20x1.5mm, 0.5mm–4mm (at base)

**Product Height:** 0.8m or 1.0m (approx.)

**Bollard Finish:** Black (RAL 9005 fine textured/sand grain)

**Head Style:** Domed

**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:** Surface Mount

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

**INCLUDED:** Bollard (with surface mount), 3x Anchor Bolts, Allen Key / Optional: Photocell, J-bolts, Internal Support



**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 3<sup>rd</sup> 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](mailto: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](http://www.lumenalights.com)

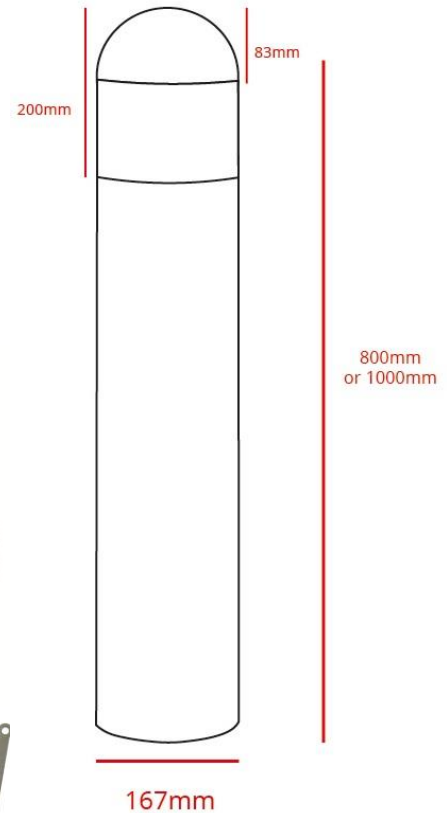
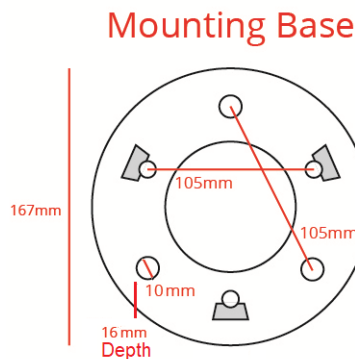


## INSTALLATION:

**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.**

1. Remove the mounting base by releasing the 3 x grub screws with the allen key provided
2. Position bollard mounting base in the desired location, ensuring the supply cable is central to the base and enough cable is available to easily connect to the inline connector at the base 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 (3 x expanding anchor bolts have been supplied for optional use), with the mains cable protruding through the centre.
4. 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). Alternatively, change the connector to a waterproof, multi-way junction box. **IMPORTANT:** 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.
5. Push the cable up as high up inside the tube as possible, reposition the tube back over the bollard base and secure in place with the allen screws removed in step '1'. If applicable, ensure photocell in the tube is facing the correct direction for optimum light sensitivity.
6. Test the bollard – for photocell models, the photocell will need to be covered for daytime testing which has a short delay of <5 secs.



### J-BOLTS

To mount into wet concrete, attach the J-bolts to the template with one nut below and one nut above. Set into concrete (use a spirit level) with the mains cable protruding through the centre. Once set, attach the base to the J-Bolts with the lock washer and remaining nut, wire up and re-attach the bollard tube.

### INTERNAL SUPPORT

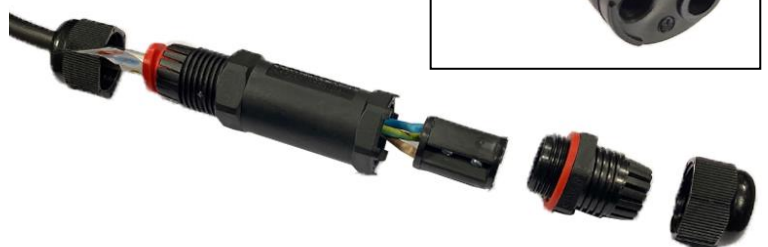
For additional support at the lower tube, attach the internal support (sold separately) by bolting to the top of the mounting base via the 3x threaded holes. (see image) >

## 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.

### In-line Connector

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)



### CONNECTIONS:

Neutral (N) = Blue  
Live (L) = Brown  
Earth  $\oplus$  = Yellow & Green

