



# PRODUCT SPECIFICATION

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## OPUS BOLLARD



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## INTRODUCTION

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The Opus Bollard has been developed from the ground up to allow us to offer a unique pathway and open area lighting solution. With a simple internal switch the distribution of the luminaire can be selected between either an asymmetric pathway or 360° open area distribution, simplifying product specification and ordering whilst ensuring that your application can be lit effectively with a minimum of energy. Our custom lens design ensures that spacings of up to 9M in open area and 8M in pathway applications can be achieved, whilst maintaining a ULOR below 2.5% for dark sky compliance. Installation is achieved either by bolting the base directly to the ground or through a ground anchor kit and after installation the bollard can be rotated by up to 30° to ensure accurate alignment with pathways. The installation of the Opus Bollard is further simplified with an internal IP66 control gear housing with plug and socket connectors. These installation features combine with a range of control gear options including DALI and integral emergency with lithium batteries for extended warranty and lifetime. The Opus bollard is also available with a selection of sensor and wireless options including microwave presence detection, integral photocell and compatibility with our wireless control systems, these features ensure that energy savings can be maximised, light pollution is minimised and maintenance can be simplified with automated emergency testing and reporting.

This versatility combines with a robust design to ensure the Opus Bollard can withstand the challenges of an external environment with both an IP66 ingress protection rating and IK10 impact rating with an exterior grade paint finish in either black RAL9005 or grey RAL9006. The housing consists of an extruded aluminium base, injection moulded polycarbonate diffuser and die cast aluminium top cap to ensure a high quality and resilient finish.

The Opus Bollard has been designed to use components sourced from the UK and Europe wherever possible to minimise transportation miles whilst the aluminium extrusion is manufactured from 80% recycled content to reduce embodied carbon.

**UK  
CA** CE IP66 IK10 TM21: L90>80K HOURS 3 STEP MACADAM ELLIPSE

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## APPLICATION

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- Commercial / Offices
- Education
- Exterior
- Healthcare / Social Housing
- Hotel / Leisure
- Industrial / Manufacturing
- Parking / Exterior
- Retail
- Transport
- Warehousing

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## SPECIFICATION

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### CONSTRUCTION

- Housing: Extruded aluminium
- Finish: Polyester powder painted RAL 9006 textura matt grey
- Finish: Polyester powder painted RAL 9005 textura matt black
- IK10
- IP66
- Finish: Manufactured with an exterior grade paint finish to ensure durability in harsh environments.
- Diffuser: Injection moulded polycarbonate

### PERFORMANCE

- Part L2 compliant
- 3SDCM Three step Macadams ellipse
- TM21: L90 at >80,000 Operating Hours
- Up to 82 luminaire lumens per circuit Watt

### ENVIRONMENTAL

- Designed to allow simple replacement of components with commonly available tools in compliance with the Eco Design Directive, please see the installation leaflet for maintenance instructions.
- Powered by European branded drivers and emergency modules ensuring replacement parts are easily sourced.
- Every luminaire is labelled with a unique ID number allowing easy identification of spare parts for the lifetime of the product.
- Contains no single use plastics or polystyrene packaging.
- Supplied in plain card boxes with paper tape ensuring packaging is easily recycled.

- Designed to allow simple disassembly for end of life recycling.
- UK based manufacturing providing local support throughout the product lifetime and minimising transportation miles.
- Aluminium housing manufactured from 80% recycled material to minimise carbon footprint.

#### EMERGENCY

- Available with optional standard, self test and autotest integral emergency with lithium batteries for extended warranty and lifetime.
- Optional Reacta-Link wireless emergency for automated centralised reporting.
- Optional Reacta-Control wireless emergency for automated centralised reporting.

#### CONTROL

- Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming
- Optional integral Reacta-Link for integration with Reacta-Link wireless installations
- Optional integral Reacta-Control for integration with Reacta-Control wireless installations
- Optional integral microwave sensor
- Optional integral photocell

#### VARIATIONS

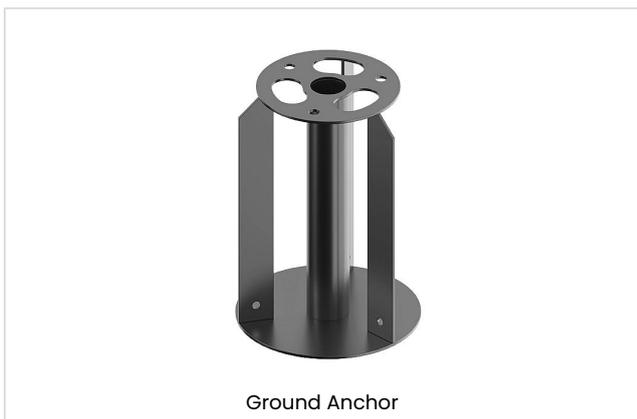
- Available in grey or black finishes

#### INSTALLATION

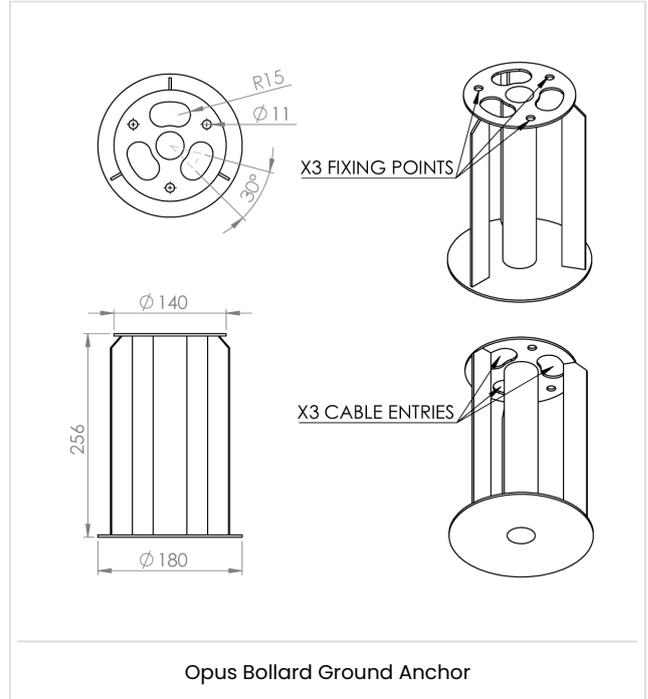
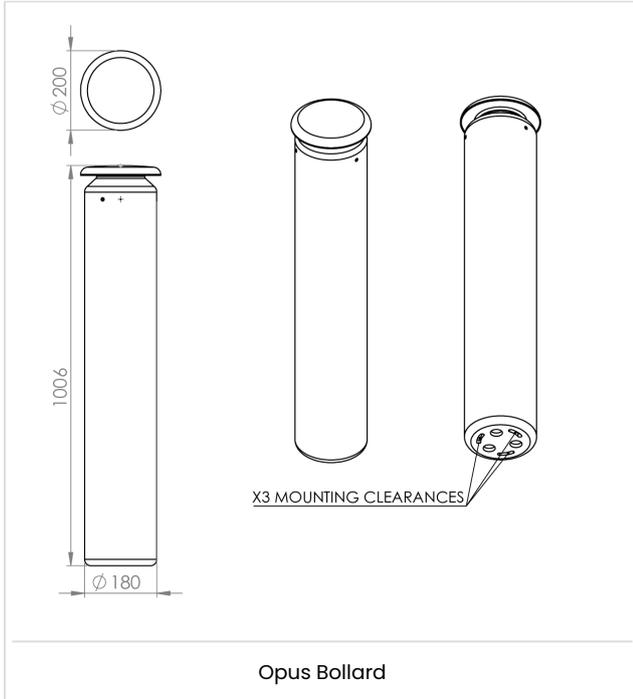
- Suitable for direct to ground mounting
- Optional ground anchor
- Suitable for both pathway and open area applications with integral changeover switch
- Concrete bolt kit available separately where needed, please order OPUB BMK

IMAGES

PRODUCT IMAGES



TECHNICAL



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## WARRANTY

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At Dextra our commitment to service has been at the forefront throughout our history spanning more than forty years in the UK lighting market. Our service ethos extends beyond design and delivery, we believe supporting your installation throughout the warranty period is equally crucial, whilst the strength and longevity of Dextra Group provides peace of mind that our warranty will be supported throughout.

The Dextra range is supplied with a five year warranty commencing from the date of delivery. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years drivers, emergency modules, wireless modules, sensors and LED circuits will be supplied free of charge to replace defective components, labour and other associated costs are not included.

Certain ranges and components are subject to exemptions:

- ▶ Lithium batteries are provided with a five year warranty. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years replacement batteries will be supplied free of charge to replace defective components. Five year warranty became effective as of 03/02/25, Lithium emergency luminaires supplied prior to this date are supported with a three year on site warranty only. Labour and other associated costs are not included. Nickel Metal Hydride and Nickel Cadmium batteries are provided with a one year warranty for parts and labour.
- ▶ Emergency luminaires including AME2, EXI LED, EXI3, HBE3, HBE4, OAT2 LED and Twinspace are supplied with a one year warranty for parts and labour. Lithium variants suffixed with the 5YR part code, the Autotest emergency with the LA3 part code and wireless variants with LA3RC or LSTR part codes are supplied with a five year warranty. For these extended warranty variants for the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years replacement batteries will be supplied free of charge to replace defective components.
- ▶ Protec Micro, PTECF7 Fire Rated Downlights, Serenus and the Opus Sconce are provided with a five year replacement luminaire only warranty. Protec FR Fire Rated Downlights are provided with a 2 year replacement luminaire only warranty.
- ▶ Controls systems such as standalone sensors, switches, marshalling boxes and cabling are provided with a one year warranty for both parts and labour. DALI control systems are provided with a two year warranty for both parts and labour.
- ▶ LEDextra ranges are supplied with a three year parts or replacement luminaire only warranty with the exception of the IMPR RGBW, the Runway RGBW, the MOD RGBW, Tanek RGBW and the DexRing. These five ranges are supplied with our standard five year warranty during which defects within the first three years will be repaired on site and the warranty includes both parts and labour. For the final two years free of charge replacement components only will be supplied to rectify any failures but labour and other associated costs are not included.
- ▶ LEDEX ranges are supplied with a three year replacement luminaire only warranty.
- ▶ The Decorative Pendant ranges, Bebo, Dene, Nova, Fino and Stix are supplied with a 3 year replacement luminaire only warranty.

All warranties are subject to correct use of the product and will be invalidated by misuse, for example incorrect installation, unsuitable environmental conditions or incorrect maintenance. It is the duty of the customer to ensure that all the fault lies with the luminaire prior to requesting replacement parts or site repairs. In the event that no defect is found with the product our costs for attending site will be recharged to the customer and credit

will not be issued against returned products. No consequential losses incurred resulting from any defect with our product will be reimbursed.

Given the nature of LED technology a small percentage of LEDs may fail during the lifetime of a luminaire, this does not cause a reduction in lumen output. As such LED luminaires are only deemed to be faulty for warranty purposes when in excess of ten percent of LEDs have failed in a single luminaire.

On site repair of products under warranty will be undertaken during normal working hours, 9am to 5pm Monday to Friday, and will require unrestricted access to luminaires. Where required Dextra will provide access equipment to carry out repairs at height, should luminaires have been installed in locations where reasonable provision for maintenance access has not been made we reserve the right to supply replacement product only. On site warranty repairs will only be undertaken on the mainland of the UK and Ireland, in all other locations replacement product only will be provided.

**If you require any assistance with regards to our products please contact our Customer Services department on 01747 858100.**

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## ORDER CODES

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### LUMINAIRE

Code	Description	Power	Llm/W
OPUB L30 BL	Opus Bollard Black, 1,603llm, Colour 84	18.0W	89
OPUB L30 GY	Opus Bollard Grey, 1,603llm, Colour 84	18.0W	89

Power figures are based on open area operation

### CONTROL

Code	Description
DN	DexNET Node, Wireless Node only.
R25A	Reacta-25 DALI, Presence, Bright Out
PH	Photocell
RLI	Reacta-Link, Wireless Enabled Luminaire
RLM	Reacta-Link, Wireless, Presence & Bright Out, 2.5-4M
RC	Reacta-Control, Wireless Enabled Luminaire
RCMC*	Reacta-Control, Presence & Bright Out, Bi-level Dimming, 2.5-4M
RCME	Reacta-Control, Presence & Bright Out, On / Off, 2.5-4M

\*Bi-Level Dimming will only dim the luminaire to 10% during absence and brightout, it will not turn the luminaire off.

### EMERGENCY

Code	Description
LE3	Lithium Standard Emergency 3 Hour
LS3	Lithium Selftest Emergency 3 Hour
LA3	Lithium Autotest Emergency 3 Hour
LA3D	Lithium DexNET Emergency 3 Hour
LSTR	Lithium Reacta-Link Emergency 3 Hour
LA3RC	Lithium Reacta-Control Emergency 3 Hour

### MISCELLANEOUS

Code	Description
C83	Colour 83
C827	Colour 827
OPUB ANCHOR	Opus Bollard Ground Anchor
OPUB BMK	Opus Bollard Bolt Mounting Kit

220-240V / 50-60Hz  
IP66 IK10

**Terminal Labelling:**

**Power**

L1 Switched Live  
E Earth  
N Neutral

**Emergency**

L2 Unswitched Live  
DA/AT3 DALI Autotest  
DALI Autotest

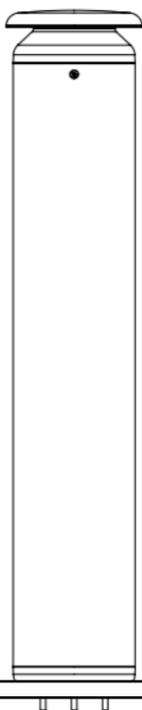
**Dimming**

-/D1/DA Analogue/DSI/DALI  
+/D2/DA Analogue/DSI/DALI  
L3 Switch Dim / Corridor Function



**WARNING:** Luminaire must be earthed. Risk of electric shock from LED boards if operated with cover removed. Installation / operation outside of luminaires intended scope invalidates warranty. Suitable only for domestic / light industrial / industrial applications within the scope of EN55015. Tested to compliance with BSEN 60598: specification for general requirements and tests. Must be installed by a suitably qualified person in accordance with all relevant legislation. Ambient operating temperature of 0°C to 25°C. If maximum operating temperature is exceeded luminaire will automatically dim / switch off. Terminal blocks are rated to 16A unless stated otherwise. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person. **LUMINAIRES WITH EMERGENCY PACK:** When supply is isolated battery output terminals may be live if battery is connected. Isolate mains and battery before servicing. Emergency luminaires require unswitched live connection taken from same phase as switched supply. When unswitched supply is connected status indicator illuminates green, when unswitched supply is disconnected indicator extinguishes and luminaire operates in emergency mode. 24 hour charge period required before undertaking full discharge test. Emergency test sheets provided should be used to record all emergency tests. Batteries should be replaced when 3 hour duration is not met. Excessive switching of permanent live may result in premature battery failure. Battery electrolyte can be harmful to eyes / open wounds, do not puncture, if electrolyte touches skin / eyes flush with water. Do not incinerate batteries.

## Mounting Variants



**DIRECT TO GROUND**



**GROUND ANCHOR**

### Required Tools

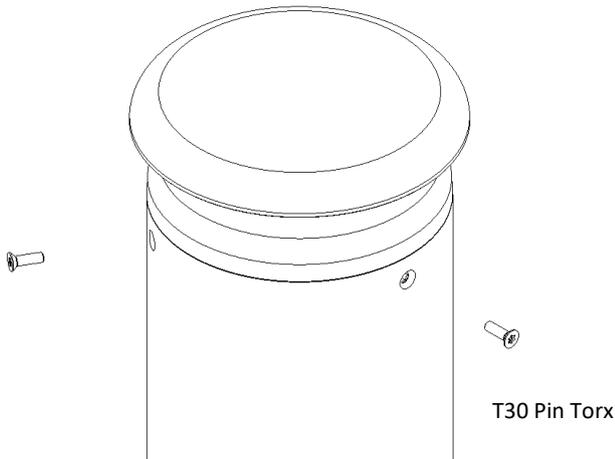
- T30 Pin Torx Screwdriver
- Flat Head Screwdriver
- 13mm Spanner/Ratchet Spanner

### Not Included

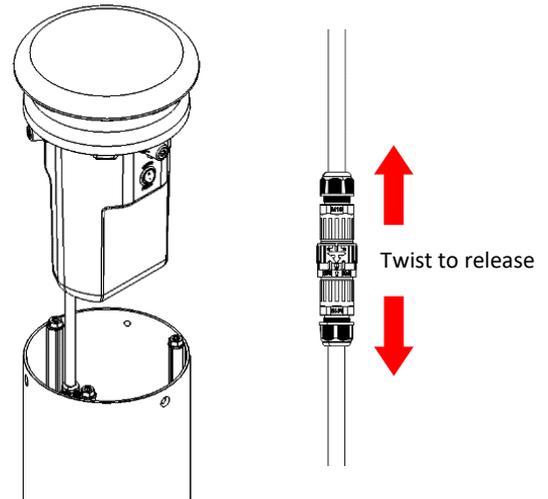
- Junction Box
- M10 Fixings  
*(Bolt Mounting Kit & Ground Anchor sold separately)*

## Opus Bollard Installation Guide

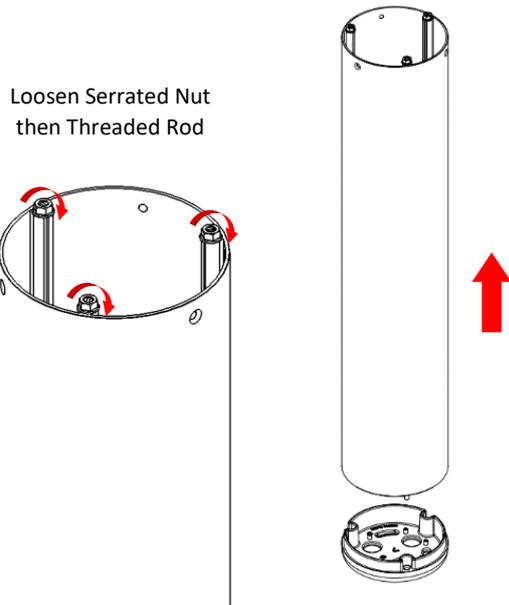
### 1. Unscrew X3 Security Screws



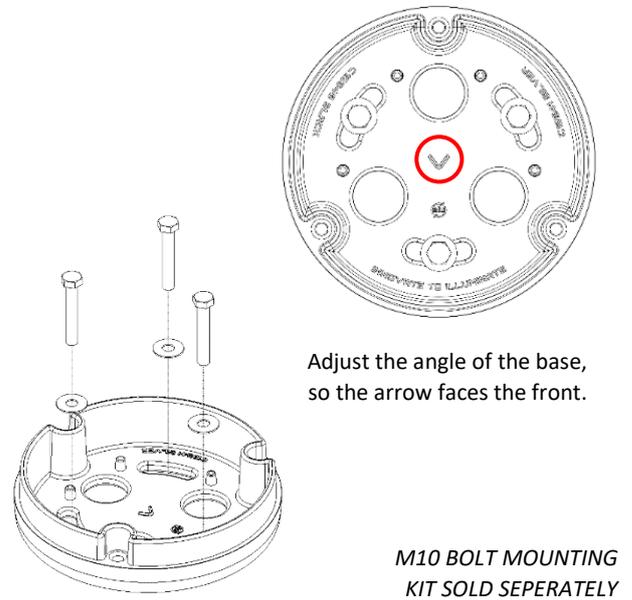
### 2. Remove the Head and disconnect the Connector



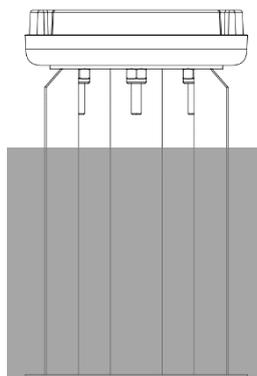
### 3. Loosen Threaded Rods. (Keeping Serrated Nuts attached) Then remove with the Extrusion.



### 4. Install Base. (Direct to Ground)



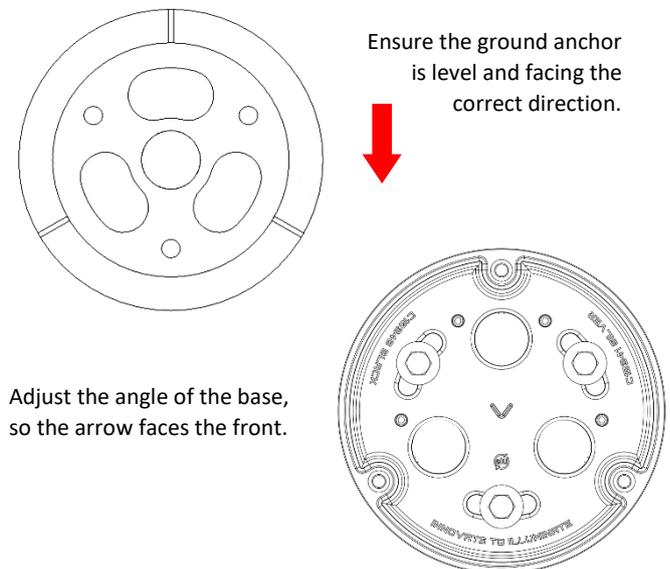
### 5. Install Ground Anchor. (Optional Accessory)



Ensure the ground anchor is level.

Concrete in the ground anchor, leaving a recess of about 100mm for bolt access and sufficient anchorage.

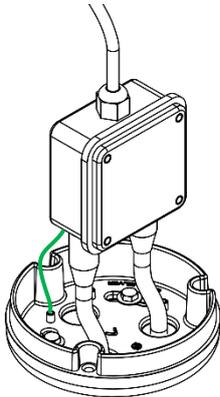
Leave the upper section clear to allow access for securing the bolts.



GROUND ANCHOR KIT  
SOLD SEPERATELY

## Opus Bollard Installation Guide

- 6. Terminate cables into a Junction Box. Then wire in the Connector flex.**

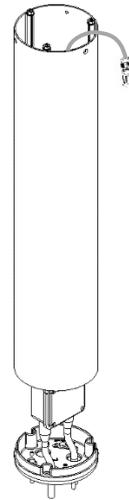


*JUNCTION BOX  
NOT SUPPLIED*

The Junction box is recommended to be installed near the base.

Connect the Earth lead to one of the screw bosses on the base, and terminate in the junction box.

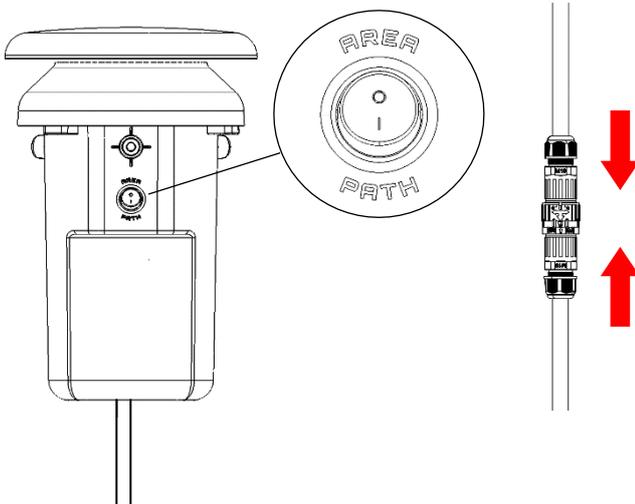
- 7. Refit the Extrusion and Threaded Rods to the Base. Ensure the Connector is fed through the top.**



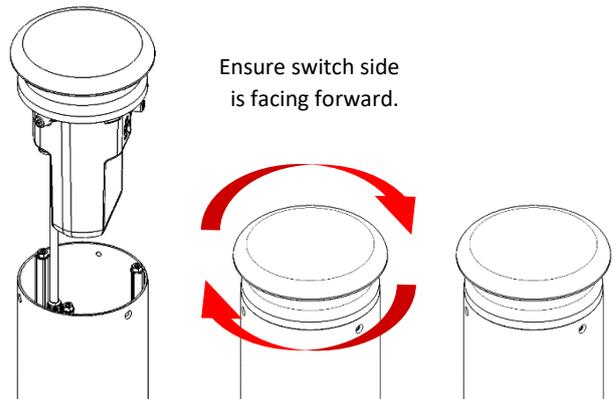
Screw down the Threaded Rods using a Flat Head Screwdriver.

Then tighten the Serrated Nuts to secure in place.

- 8. Select Area/Path and reconnect the Connector.**

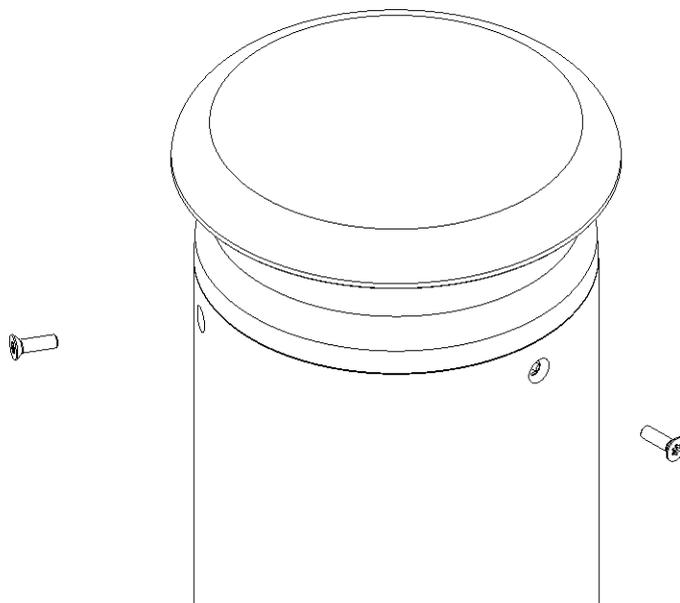


- 9. Refit the head and rotate clockwise to lock.**



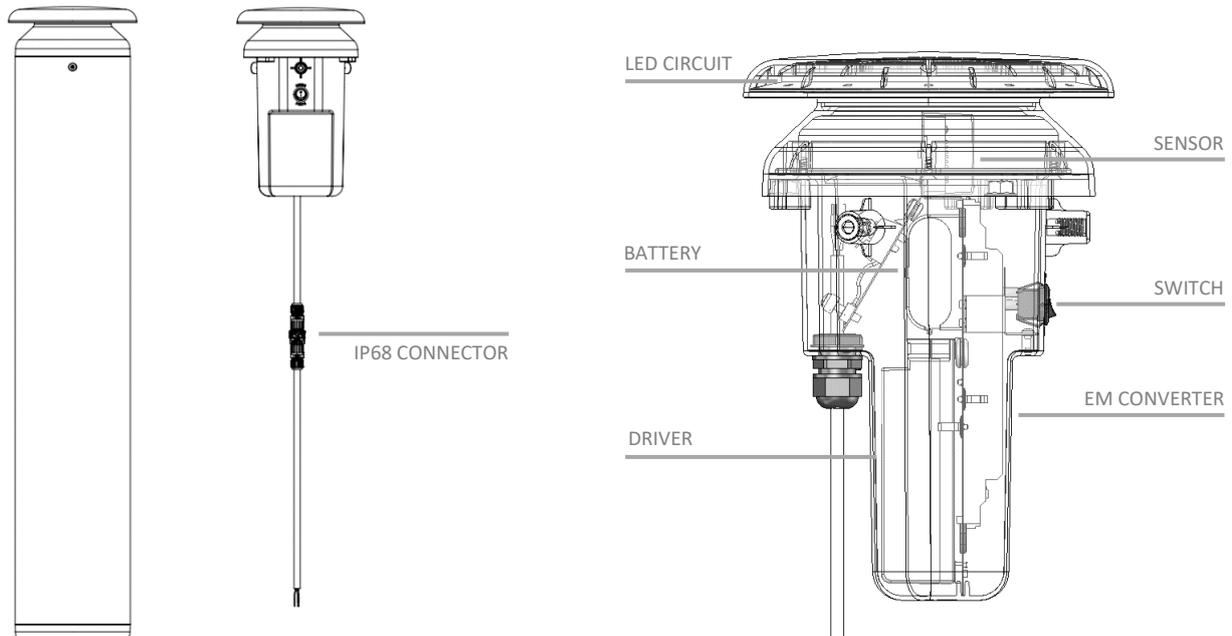
Ensure switch side is facing forward.

- 10. Fasten the screws to secure.**



## Opus Bollard Installation Guide

### Maintenance Guide



1. Disconnect the luminaire before undertaking any maintenance or cleaning.
2. Cleaning should be undertaken on external parts of the luminaire only, using a slightly damp, lint-free cloth.
3. Follow installation steps 1 - 4 to gain access the Junction Box.
4. To access the LED Circuit, Driver or Battery: disconnect the IP68 connector and remove the head. Move to a dry environment before disassembly.
5. Unscrew the six T20 screws on the underside of the Electronics Housing and loosen the IP gland. Separate the Electronics Housing from the Diffusion Collar and disconnect the Wago connectors and Earth. Unscrew and remove the gear tray to access internal components, or disassemble the Light Engine to replace the LED Board.
6. When reassembling the Head, ensure no wires are trapped in the gasket and allow sufficient drying time if the fitting has recently been exposed to water.
7. Please contact Dextra for assistance with spare component supply.

### Sensor Programming

