



## PRODUCT SPECIFICATION

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### OPUS COLUMN SENSOR



## INTRODUCTION

The Opus Column Sensor combines a robust die cast aluminium housing, polycarbonate diffuser and marine grade paint finish with an attractive contoured housing ensuring it can be used in arduous applications without compromising aesthetic appeal. These features do not compromise practicality, the Opus Column Sensor incorporates an adjustable spigot allowing for vertical or horizontal mounting adjustable in five degree increments, the control gear department includes an automatic disconnect feature allowing individual luminaires to be serviced without the need to isolate entire circuits and the luminaire is also supplied complete with a ten metre prewired lead for quick and simple connection at the column base.

The Opus Column Sensor also incorporates our R11 sensor offering presence detection and a wide range of adjustable parameters such as time delays, dimming levels during absence, dimming rates and optional secondary time delays to turn the luminaire off altogether, all programmed via remote control from ground level. An optional NEMA socket allows for integration of a photocell for use for dusk to dawn operation. This versatility is further enhanced with three lens options, open area, wide or asymmetric and lumen outputs ranging from 4,400 up to 25,000 as well as optional integral lithium emergency and wireless control options where central web based control and reporting of luminaires is required. We offer a range of wireless control systems providing localised grouping and control as well as comprehensive wireless solutions allowing both standard and emergency luminaires to be centrally monitored.

**UK  
CA** CE IP65 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

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## SPECIFICATION

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### CONSTRUCTION

- Housing: 0.7mm CR4 steel
- Housing: High pressure die cast aluminium
- Finish: Polyester powder painted RAL 9006 textura matt grey
- Finish: Polyester powder painted RAL 9005 textura matt black
- Finish: Manufactured with a marine grade paint finish to ensure durability in harsh environments.
- Diffuser: Injection moulded clear polycarbonate
- Lens: Injection moulded polycarbonate lens
- IP65

### PERFORMANCE

- Part L2 compliant
- 3SDCM Three step Macadams ellipse
- TM21: L90 at >80,000 Operating Hours
- Up to 160 luminaire lumens per circuit Watt.
- Asymmetric lens option allows for optimised spacingâ€™s between columns, also available with Open Area and Wide lenses.
- Adjustable high light levels allows light output to be adjusted after installation to meet the exact requirements of the installation preventing the need to install multiple luminaire variants and maximising energy savings.

### 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.

### 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 Integral RII presence sensor
- Optional integral Reacta-Link for integration with Reacta-Link wireless installations
- Ground level commissioning with REA-AP controller allows quick and simple setting and adjustment of sensors without the need for costly commissioning.

### INSTALLATION

- Suitable for column installation, please specify spigot size required.
- Available with 40-50mm, 50-60mm or 60-76mm spigot
- Supplied with 10M prewired lead

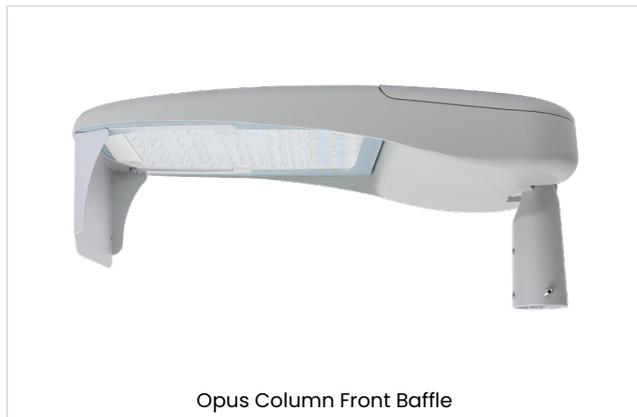
### VARIATIONS

- Available with a wide range of colour temperatures and renderings
- Available in a range of lumen outputs
- Available in grey or black finishes

## IMAGES

### PRODUCT IMAGES





### PROJECT IMAGES



IMG\_0119(web)



IMG\_0317(web)



IMG\_0272(web)

## TECHNICAL

Technical drawing of the Opus Column Sensor. It includes three views: a top view, a side view, and a front view. Dimensions are provided for each view. A table lists compatible spigot sizes and column diameters. A note specifies the windage range based on spigot size.

Spigot	Compatible Column Diameter
S40	40-50mm
S50	50-60mm
S60	60-76mm

Dimensions: Top view (737, 598), Side view (306, 103), Front view (306).

Windage = 0.0486 - 0.0518m<sup>2</sup>  
(Dependant on spigot size)

See table above

**Opus Column Sensor**

Technical drawing of the Opus Column Sensor with a Baffle. It includes two views: a side view and a front view. Dimensions are provided for each view. A table lists windage values for different baffle configurations. A table lists compatible spigot sizes and column diameters. An isometric view is also shown.

Dimensions: Side view (737, 595, 346, 150), Front view (306, 218, 305, 200).

Windage			
	Front Baffle	Back Baffle	Combined Baffle
Cross Sectional Area	512.7cm <sup>2</sup>	534cm <sup>2</sup>	563cm <sup>2</sup>

Spigot	Compatible Column Diameter
S40	40-50mm
S50	50-60mm
S60	60-76mm

**Opus Column Sensor with Baffle**

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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.**

## ORDER CODES

### LUMINAIRE

Code	Description	Power	Llm/W
OPUCE L44 OA	Opus Column, 3,802llm, Open Area, Colour 74	25.1W	151
OPUCE L60 OA	Opus Column, 5,182llm, Open Area, Colour 74	33.8W	153
OPUCE L70 OA	Opus Column, 6,046llm, Open Area, Colour 74	41.1W	147
OPUCE L102 OA	Opus Column, 8,721llm, Open Area, Colour 74	56.4W	154
OPUCE L133 OA	Opus Column, 11,367llm, Open Area, Colour 74	74.6W	152
OPUCE L200 OA	Opus Column, 16,540llm, Open Area, Colour 74	114.5W	144
OPUCE L250 OA	Opus Column, 20,684llm, Open Area, Colour 74	150.7W	137
OPUCE L44 AS	Opus Column, 3,778llm, Asymmetric, Colour 74	25.7W	147
OPUCE L60 AS	Opus Column, 5,180llm, Asymmetric, Colour 74	37.9W	137
OPUCE L70 AS	Opus Column, 6,043llm, Asymmetric, Colour 74	38.4W	157
OPUCE L102 AS	Opus Column, 8,806llm, Asymmetric, Colour 74	57.6W	153
OPUCE L133 AS	Opus Column, 11,482llm, Asymmetric, Colour 74	81.1W	141
OPUCE L44 W	Opus Column, 3,960llm, Wide, Colour 74	25.1W	157
OPUCE L60 W	Opus Column, 5,400llm, Wide, Colour 74	33.8W	160
OPUCE L70 W	Opus Column, 6,305llm, Wide, Colour 74	41.1W	153
OPUCE L102 W	Opus Column, 9,058llm, Wide, Colour 74	56.4W	160
OPUCE L133 W	Opus Column, 11,813llm, Wide, Colour 74	74.6W	158
OPUCE L200 W	Opus Column, 17,040llm, Wide, Colour 74	114.5W	148
OPUCE L250 W	Opus Column, 21,302llm, Wide, Colour 74	150.7W	141

### CONTROL

Code	Description
R11	Reacta 11, Presence, IP65, Low Temperature, 3-15M
NEM	NEMA Socket
PH	Photocell
RLS	Reacta-Link Wireless, Presence, 2.5M-5M
RLS10	Reacta-Link Wireless, Presence, 5-10M
RLS15	Reacta-Link Wireless, Presence, 10-15M

### SPIGOT

Code	Description
S40	40-50mm Spigot
S50	50-60mm Spigot
S60	60-76mm Spigot
OPUC WB	Opus Column Wall Mount Bracket

Please specify spigot size when ordering.

Please order luminaire less spigot when purchasing the wall mount bracket option.

### EMERGENCY

Code	Description
LE3	Lithium Standard Emergency 3 Hour
LS3	Lithium Selftest Emergency 3 Hour

Emergency luminaires are supplied with a single permanent live connection and must be specified complete with photocell to turn the luminaire off during daylight hours.

Emergency only available in L200 and lower variants.

### MISCELLANEOUS

Code	Description
C**	C727, C73
BL	Black Finish
OPUCE BAFFLE REAR GY	Opus Column Baffle, Rear, Grey
OPUCE BAFFLE FRONT GY	Opus Column Baffle, Front, Grey
OPUCE BAFFLE BOTH GY	Opus Column Baffle, Front & Rear, Grey

\* Not available in AS lens L133 and L102

220-240V / 50-60Hz

IP65

IK09

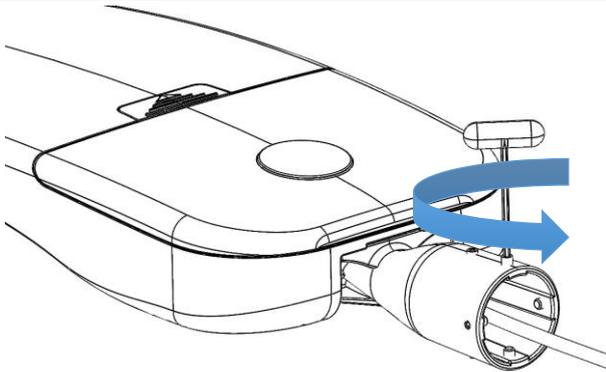


**WARNING:** Luminaire must be earthed. Risk of electric shock from LED boards if operated with cover removed. Installation / operation outside of luminaires intended scope invalidates warranty. Suitable only for domestic / light industrial / industrial applications within the scope of EN55015. Tested 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.

**Terminal Labelling:**

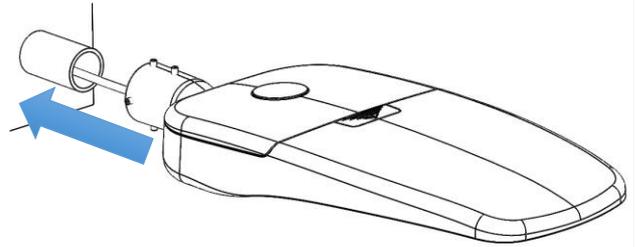
<b>Power</b>	
L / 1	Switched Live
E / 0	Earth
N	Neutral
<b>Emergency</b>	
L2 / 2	Unswitched Live
DA/AT3	DALI Autotest
DA/AT3	DALI Autotest
<b>Dimming</b>	
-/D1/DA	Analogue/DSI/DALI
+/D2/DA	Analogue/DSI/DALI
SD	Switch Dim / Corridor Function

1.



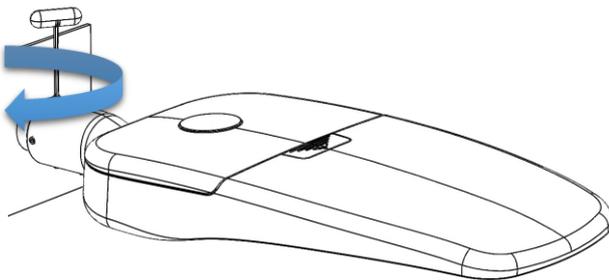
Using a 4mm Allen Key, loosen all the grub screws sufficiently to allow for the column diameter.

2.



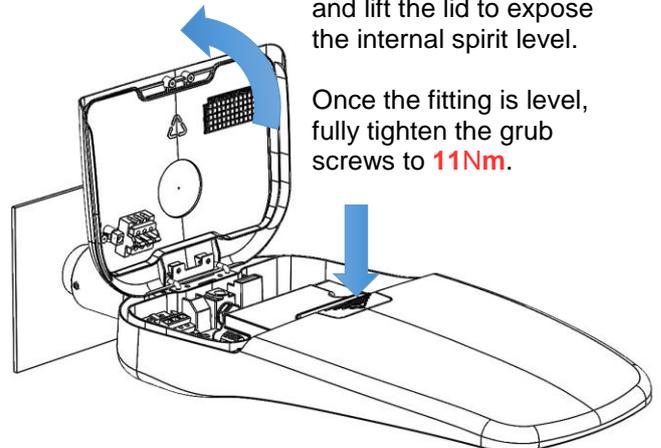
Feed the mains cable into the column and offer the spigot up to the column.

3.



Using the 4mm Allen Key, tighten all the grub screws slightly so the fitting can still rotate.

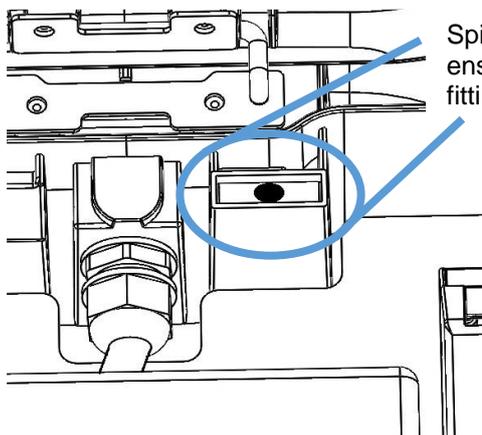
4.



Press the lid release button and lift the lid to expose the internal spirit level.

Once the fitting is level, fully tighten the grub screws to **11Nm**.

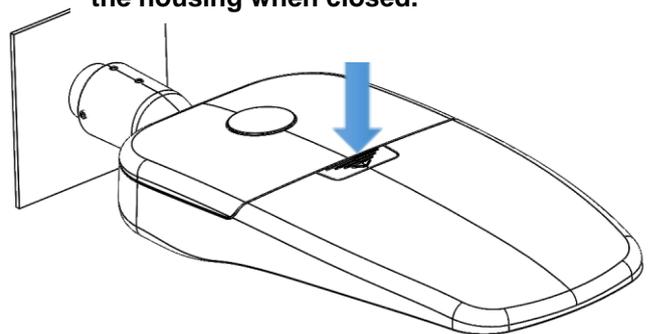
5.



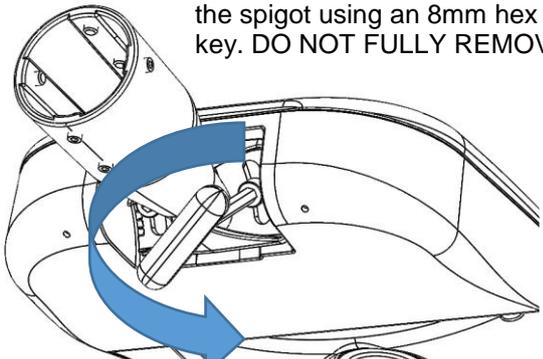
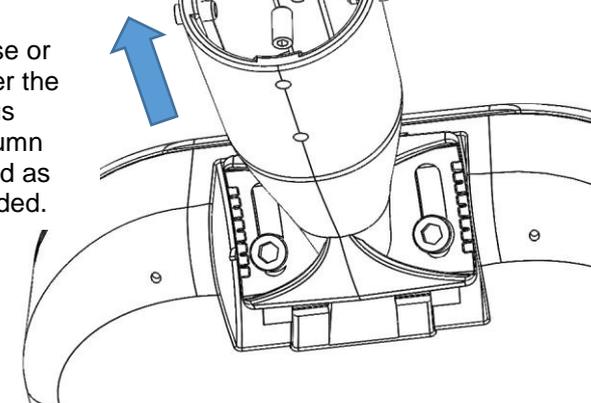
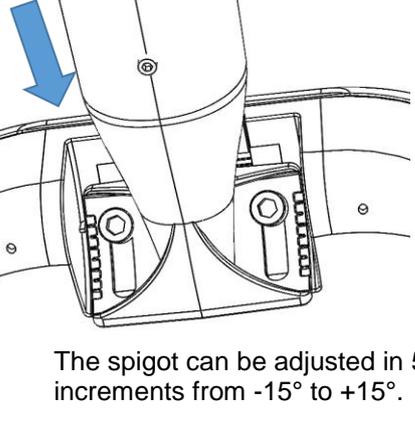
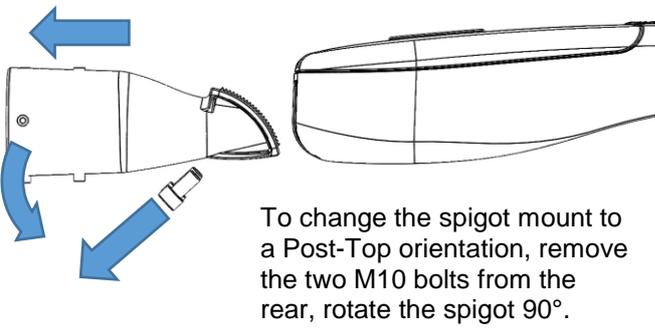
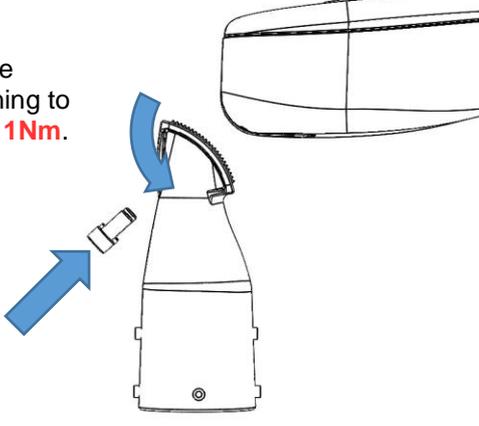
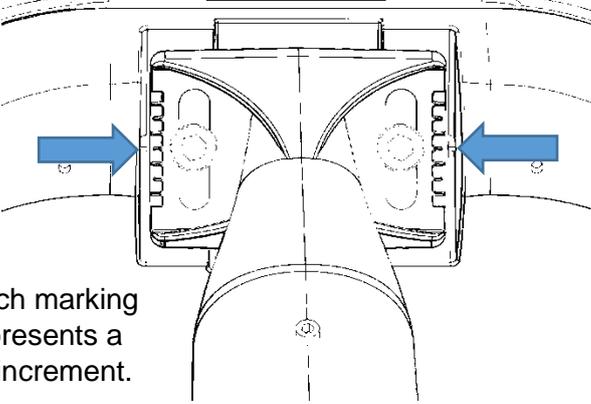
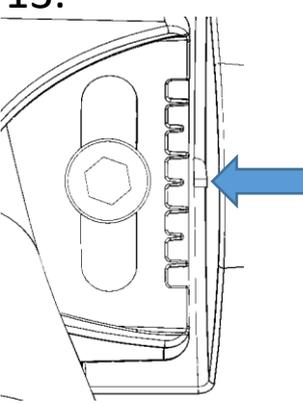
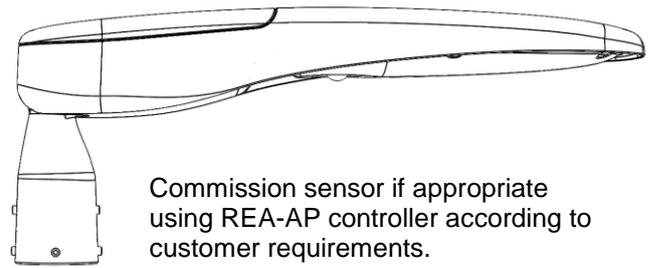
Spirit level to ensure the fitting is level

6.

To close the lid, apply force to the centre and always check that the lid has been closed properly. The release button should sit flush with the housing when closed.



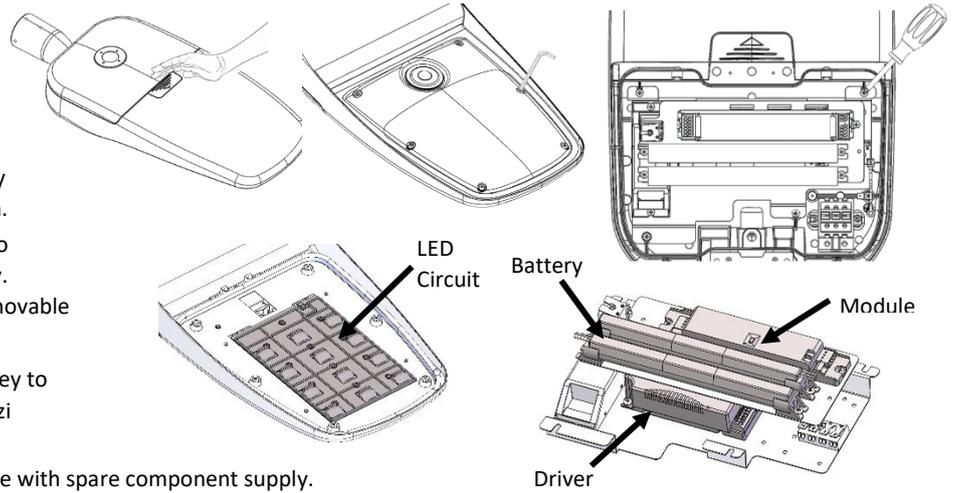
## Opus Column Installation

<p>7.</p> <p>To adjust the vertical mounting angle, loosen the M10 bolts on the spigot using an 8mm hex key. <b>DO NOT FULLY REMOVE.</b></p> 	<p>8.</p> <p>Raise or lower the Opus Column Head as needed.</p> 
<p>9.</p>  <p>The spigot can be adjusted in 5° increments from -15° to +15°.</p>	<p>10.</p>  <p>To change the spigot mount to a Post-Top orientation, remove the two M10 bolts from the rear, rotate the spigot 90°.</p>
<p>11.</p> <p>Re-attach the bolts, tightening to a torque of <b>11Nm</b>.</p> 	<p>12.</p>  <p>Each marking represents a 5° increment.</p>
<p>13.</p>  <p>When 0° or neutral orientation of the luminaire (with both vertical and horizontal spigot positioning) is required, the central mark on the spigot must align with the mark on the body. <b>DO NOT</b> use any part of the body to reference from.</p>	<p>14.</p> <p>Follow steps 1-8 to install on a Column.</p>  <p>Commission sensor if appropriate using REA-AP controller according to customer requirements.</p>

## Opus Column Installation

### Maintenance

- 1 Disconnect 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 To open lid push down on centre to release the lid and access gear tray.
- 4 Gear tray and components are removable by using a pan pozi screwdriver.
- 5 To access LED circuit use an allen key to remove diffuser then use a pan pozi screwdriver to remove lens.
- 6 Please contact Dextra for assistance with spare component supply.



# Opus Column Wall Mount Bracket

220-240V / 50-60Hz

IP65

IK09



**Terminal Labelling:**

<b>Power</b>	
L / 1	Switched Live
E / ⚡	Earth
N	Neutral
<b>Emergency</b>	
L2 / 2	Unswitched Live
DA/AT3	DALI Autotest
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<b>Dimming</b>	
-D1/DA	Analogue/DSI/DALI
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SD	Switch Dim / Corridor Function

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**1.**

Unpack wall mount bracket

**2.**

Attach wall mount bracket to selected wall using the holes shown.  
(Fixings not supplied)

147mm fixings

**3.**

Remove two screws from the cover and keep safe. Open the cover to reveal the cable entry and column top mounting points.

**4.**

Offer the Column Top up to the wall mount bracket. Ensure the required mounting angle is selected using the 2.5° angle markings.

**5.**

Fix the Column Top body to the wall mount bracket using the two M10 bolts supplied. Tighten to a torque of **11Nm**.

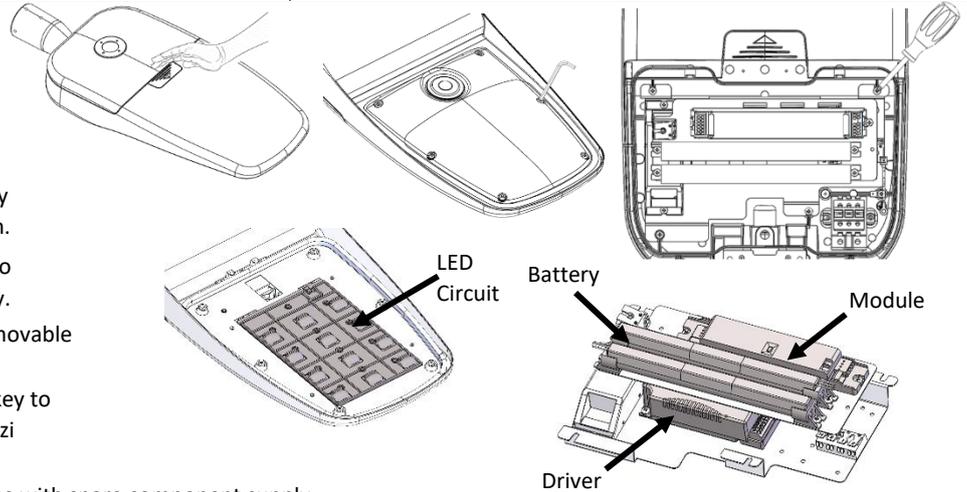
**6.**

Feed the mains cable through the cable entry. Continue to wire and install the Column Top as per the separate Column Top installation leaflet DIL-0186-0001.

# Opus Column Wall Mount Bracket

## Maintenance

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- 2 Cleaning should be undertaken on external parts of the luminaire only using a slightly damp lint free cloth.
- 3 To open lid push down on centre to release the lid and access gear tray.
- 4 Gear tray and components are removable by using a pan pozi screwdriver.
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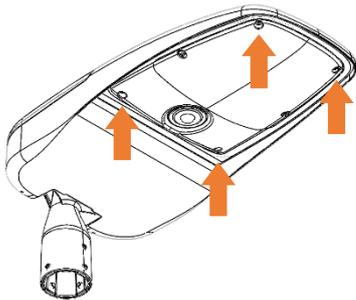
220-240V / 50-60Hz



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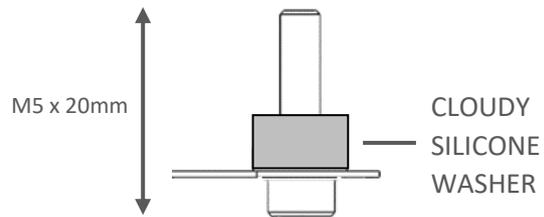
1.



Remove outer X4 screws

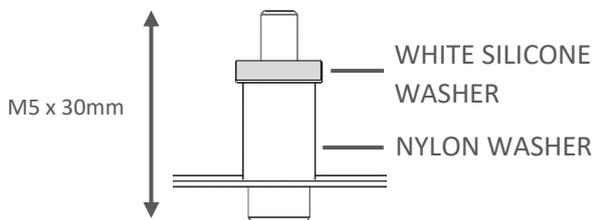
2.

**GLASS DIFFUSER**



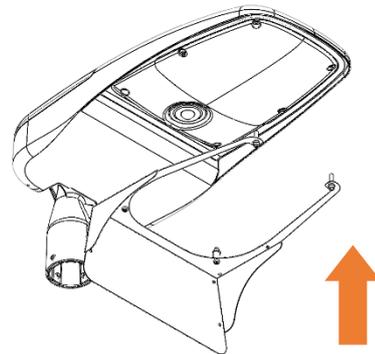
Fit the screws and washers in correct orientation

**PLASTIC DIFFUSER**

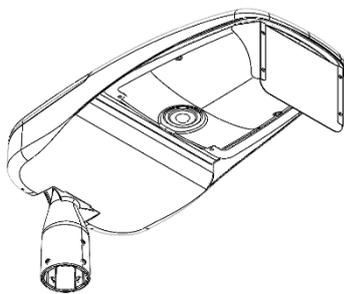


Fit the screws and washers in correct orientation

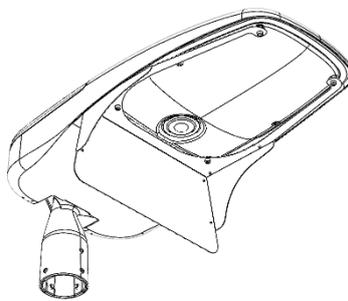
3.



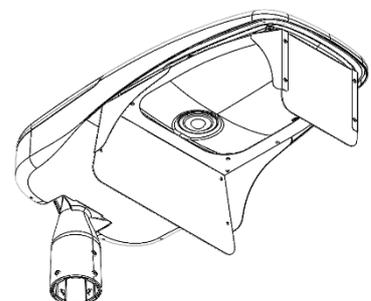
Offer Baffle up to the Luminaire and screw into place



FRONT BAFFLE INSTALLED



BACK BAFFLE INSTALLED



COMBINATION BAFFLE INSTALLED

# Opus Column Baffle Installation Guide

	SMALL			MEDIUM			XL		
	FRONT	BACK	COMB	FRONT	BACK	COMB	FRONT	BACK	COMB
TOTAL WEIGHT	2.9KG	3.0KG	3.2KG	6.1KG	6.2KG	6.8KG	9.4KG	9.6KG	9.9KG
CROSS SECTIONAL AREA (CM^2)	376.9	382.6	404.5	512.7	534.0	563.0	681.4	684.7	704.5