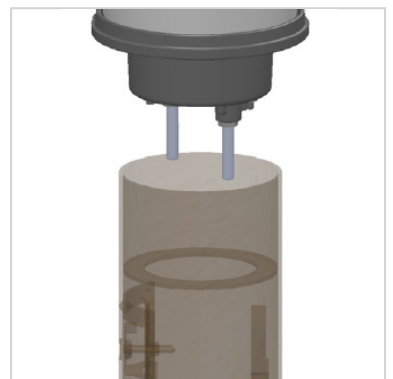


# Pharos Bollard



**Pharos meets the challenge of creating both efficient visual guidance and a pleasant atmosphere for pedestrians**

The Pharos offers 'fit and forget' reliability, with excellent vandal resistance, ensuring longevity of the product, in line with industry leading LED technology.

It offers two photometrical options: a symmetrical distribution and an asymmetrical distribution, with the option of an opal or clear protector. Design is tailored depending on the specific application.

## Key advantages

- Real-world vandal resistance testing has resulted in incredible durability
- Clear protector results in very low upward light spill, suiting dark sky applications
- Opal protector results in excellent vertical illuminance, ensuring facial visibility in high footfall applications
- Wide flexibility regarding materials, finishes and embellishments, resulting in a solution tailored to the local identity
- 360 degree on-site adjustability.
- DALI dimmable

IP 66

IK 10



BIKE & PEDESTRIAN PATHS



RAILWAY STATIONS & METROS



SQUARES & PEDESTRIAN AREAS



CAR PARKS

## GENERAL INFORMATION

Recommended installation height (mm)	1000 (Custom height available on request)
Future-proof	Easy replacement of the photometric engine and electronic assembly on-site
Driver included	Yes
CE mark	Yes
ENEC certified	No
ROHS compliant	Yes
Testing standards	LM 79-08 (all measurements in ISO17025 accredited laboratory)

## HOUSING AND FINISH

Base	Galvanised Steel
Housing	Cast Aluminium
Optic	PMMA
Protector	Polycarbonate
Housing finish	Polyester powder coating
Standard Colour	AKZO900 Dark Grey AKZO150 Light Grey AKZO200 Black (Any RAL colour on request)
Tightness level	IP 66
Impact resistance	IK 10+
Access for maintenance	Column door

## OPERATING CONDITIONS

Operating temperature range (Ta)	-40°C to +55 °C @350mA
----------------------------------	------------------------

## ELECTRICAL INFORMATION

Electrical class	Class I EU
Nominal voltage	220-240V - 50-60Hz
Surge protection options (kV)	10
Electromagnetic compatibility (EMC)	EN 61547 / EN 61000-4-2, -3, -4, -5, -6, -8, -11
Control protocol(s)	DALI
Socket options	TBC
Associated control systems	Owlet
Sensors	TBC
UMSUG Code	41 0011 0000 100

## OPTICAL INFORMATION

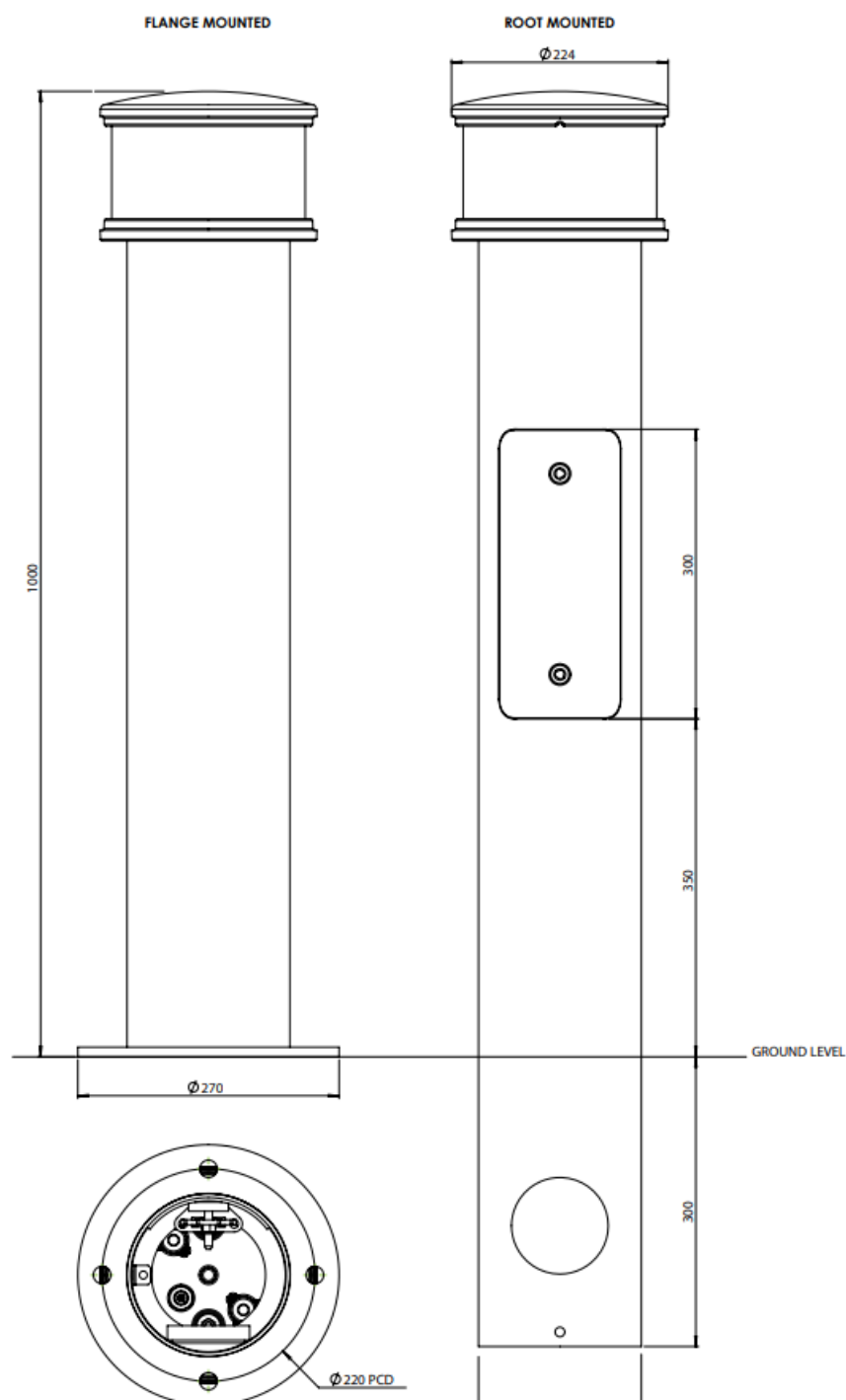
LED colour temperature	4000k (Neutral White) 3000k (Warm White)
Colour rendering index (CRI)	>70
Upward light output ratio (ULOR)	TBC
Photometry	Asymmetric Symmetric

## LIFETIME OF THE LEDS @ TQ 25°C

All configurations	TBC
--------------------	-----

## DIMENSIONS AND MOUNTING

Weight (kg   lbs)	22   49
Mounting possibilities	Root Flange Plate
Options on request	Functional & Decorative embellishments EV Charging



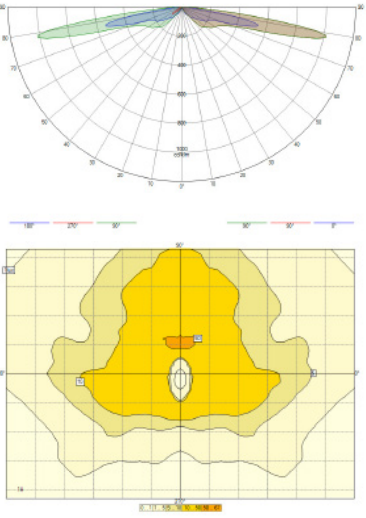
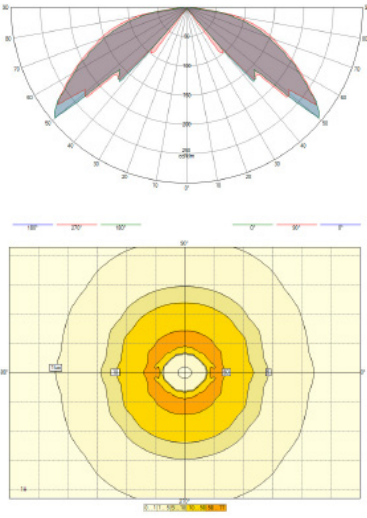
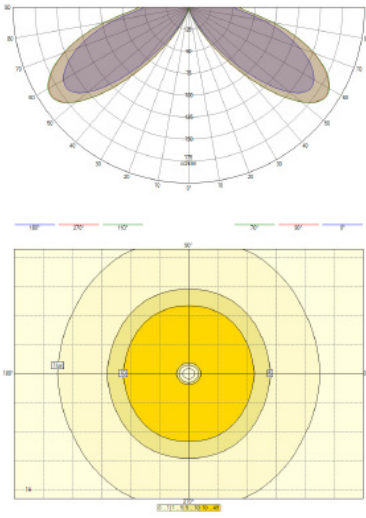
### PUBLIC REALM & RESIDENTIAL APPLICATIONS

Type	Ubitricity Smart Cable
Socket type	Type 2 – IEC 62196-2 with interlock
Charging mode	Mode 3 case B
Max power	max. 5.8kW (25A, 230V, single-phase)
Charge indication	LED indicator above the socket
Charge control	Yes, via Smart Cable (available from Ubitricity)
Monetary charging	Yes, via Smart Cable (available from Ubitricity)
Charge statistics	Yes, via Ubitricity website and/or smartphone app
'Smart' Charger	Yes, fully configurable on Ubitricity back-office system
Max. quantity of sockets	1
Retrofit Possible	Yes on un-metered mains supply
Cable Required	Users will require an Ubitricity smart cable and registering on the Ubitricity system.



Luminaire	Number of LEDs	Current (mA)	Luminaire output flux (lm) Neutral White (4000K) - CRI 70	Luminaire output flux (lm) Warm White (3000K) - CRI 70	Power consumption (W)	Luminaire efficacy (lm/W) Up to	Photometry
PHAROS BOLLARD	8	350	869	757	11	79	5119
	8	350	755	658	11	69	Symmetrical
	8	350	672	585	11	61	Symmetrical Frosted

Tolerance on LED flux is  $\pm 7\%$  and on total luminaire power  $\pm 5\%$

<div><div>LENSO FLEX® 2</div><div>5119</div></div> <div></div>	<div>SYMMETRICAL</div> <div></div>	<div>SYMMETRICAL FROSTED</div> <div></div>