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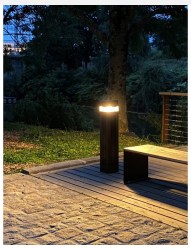
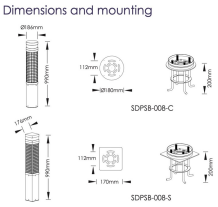
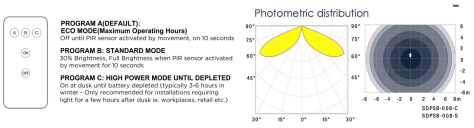
Solar PV LED 8W Bollard Post Light -All-in-one Integrated Solar Lantern c/w Built In Integral Solar Panel & Integrated Lithium LiFePO4 Battery

~~£322.08~~ £298.20







PRODUCT INFORMATION

LED Type	SMD3030 LEDs
Warranty	5 Year
Part L Compliant	Yes
Dimensions	Ø186mm x 990mm h (Round) 176mm x 990mm h (Square)
Weight	Circular - 8.20kg Square 9.80 kg

TECHNICAL SPECIFICATIONS

Power Consumption	8W
Power Factor	>0.96
Operating Temperature	-20°C to 50°C
L70 Rated Lifetime	+70,000hrs
Ingress Protection	IP66

LUMEN PERFORMANCE

Luminous Efficiency	160lm/W
Beam Angle	360°Symmetric Distribution (all round)
CRI (Colour Rendering Index)	>80Ra
Lumen Output	1280lm

AVAILABLE OPTIONS

Colour Temperature	Natural White 4000-4500K
3-Hour Emergency Version	No
Built-in Microwave Occupancy Detector	Available on Request
1-10V Dimmable	Available on Request

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DALI Dimmable	Available on Request

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3 Pre-programmed modes to suit a range of different applications & scenarios

A. (Default) ECO MODE - Off until PIR sensor activated by movement, on 10 seconds

B. STANDARD MODE - 30% Brightness, Full Brightness when PIR sensor activated by movement for 10 seconds

C. HIGH POWER MODE UNTIL DEPLETED - On at dusk until battery depleted (typically 3-6 hours in winter - Only recommended for installations requiring light for a few hours after dusk ie. workplaces, retail etc.)

This is a solar product. Do not install in shaded areas - require direct sunlight.

Elegant design equipped with integrated solar photovoltaic panels, glare-free concealed optics in a refined and chic solution to complement contemporary urban spaces. The premium integrated solar bollard provides an economical, aesthetic, comfortable illumination for the creation of ambiance with 100% energy saving. Utilising high-efficiency solar cells, the light fixture charges 360°with no onsite orientation, ensuring optimal lighting throughout the year.

Integrate solar photovoltaic technology into lighting systems, large flat solar panel is no longer needed. This seamlessly integrates the technology aesthetically without compromising the efficiency, adding value to both designers and end users. It minimises the maintenance burden of dirt or snow built up on the photovoltaic surfaces, requiring less frequent and easier cleaning. The vertical wrap around panels receive light more evenly and efficiently from the sun and sky during daylight hours, even in darker climates and seasons.

The luminaire reaches 3 days operation time with additional benefits include built-in motion sensor and programmable time dimming offer longer discharge time and optimum performance. This luminaire also complies with the dark sky requirement with low upward lighting pollution.

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Integrated vertical PV provides aesthetic view, avoids snow or sand collection

Choice of circular and square shape to satisfy different application

Unit supplied with ground fixing kit

Durable with rated life span L70>60,000 hours / Mono-Si solar panel / LiFePO4 battery / Electronic protection battery management system / No UV or IR emissions / UKCA, CE & RoHS international standards / Environmentally friendly & part recyclable: no mercury or other hazardous materials used / Heavy duty die-cast aluminium housing & polycarbonate lens / Complies with EN60598

Beam Angle: Optic SR (Standard Road) Luminous Efficacy: 160lm/W
Color Rendering Index: 80Ra
LED Type: LM80 3030LEDs

Solar Panel: Mono-si (25 years of anticipated lifespan) Battery: LiFePO4 (8 years of anticipated lifespan) Solar Charge Controller: PWM
System Design: 3.2 VDC

Charging Time: 4-5 hours
Control Mode: D2D (Dusk to Dawn) / STD (Step

Dimming with Motion Sensor Override

/ TC (Time Control) Operating Hours: >3 days

Color Temperature: Neutral White 4000K (Others available on request)

† Calculations are done with the 3 hours of Peak Sun Hour Operation time calculations are done in pre-set time control mode

Operation time calculations are done in pre-set time control mode

Autonomy and Operation time calculations are only indicative and will depend on several variable factors

Note: whilst all units are designed to have 2 day autonomy on a full charge, as a supplier/manufacturer we have little control over the weather/sun and this prolonged periods of no sun, full cloud coverage or installed in shade will ultimately prevent the battery from full charging. If you are in need of an installation which is guaranteed 365 days a year, we recommend you opt for a mains installation to avoid any doubt.

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