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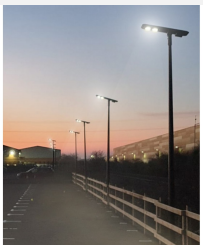
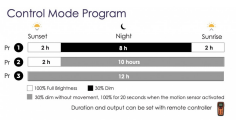
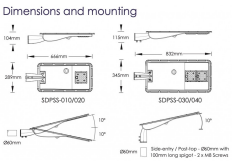
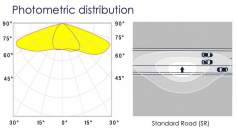
Solar PV Premium LED Street Light 10W/20W/30W/40W - All-in-one Solar PV Street Exterior Light c/w Built In Integral Solar Panel & Integrated Lithium LiFePO4 Battery

~~£229.00~~ £186.00









PRODUCT INFORMATION

LED Type	SMD3030 LEDs
Warranty	5 Year
Part L Compliant	Yes
Dimensions	LSTPSS-010 / 20 666mm x 289mm x 104mm LSTPSS-030 / 40 832mm x 354mm x 115mm
Weight	LSTPSS-010 / 1,500lm / 5.8kg SDPSS-020 / 3,000lm / 6.2kg SDPSS-030 / 4,500lm / 7.8kg SDPSS-040 / 6,000lm / 8.2kg
Windage	LSTPSS-010 / 20 0.19m² LSTPSS-030 / 40 0.24m²

TECHNICAL SPECIFICATIONS

Power Consumption	LSTPSS-010 / 1,500lm / 12.8V/8AH SDPSS-020 / 3,000lm / 12.8V/16AH SDPSS-030 / 4,500lm / 12.8V/22AH SDPSS-040 / 6,000lm / 12.8V/30AH
Power Factor	>0.96
Operating Temperature	-20°C to 50°C
L70 Rated Lifetime	+70,000hrs
Ingress Protection	IP66

LUMEN PERFORMANCE

Luminous Efficiency	180lm/W
Beam Angle	150° x 80°
CRI (Colour Rendering Index)	>80Ra

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PRODUCT INFORMATION

TECHNICAL SPECIFICATIONS

LUMEN PERFORMANCE

Lumen Output	LSTPSS-010 / 1,500lm SDPSS-020 / 3,000lm SDPSS-030 / 4,500lm SDPSS-040 / 6,000lm
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
DALI Dimmable	Available on Request

Solar PV Premium LED Street Light 10W - 40W - All-in-one Solar PV Street Exterior Light c/w Built In Integral Solar Panel & Integrated Lithium LiFePO4 Battery

With an integrated Mono-Si solar module and LiFePO4 battery, the all-in-one integrated smart solar LED street lantern makes it easier than ever to meet your sustainability targets. All in a compact housing, you can bring it to both urban and rural areas without access to the electric grid for years to come. The luminaire comes in a range of size and lumen packages, designed for column/post mounting at heights of 3-8m.

With a high tightness level and robust design, this luminaire is built to withstand harsh environmental conditions and vandalism to perform over time. High-pressure die-cast aluminium housing finished with integrated Mono-Si solar panel which has 25 years anticipated life span, it gives long lasting and optimised illumination with no uplight pollution.

All-in-one solar street lantern is made for quick and easy installation without worrying about complicated and frustrating electrical wiring. The luminaire reaches 3 days operation time with additional benefits include fully automated from dusk till dawn, built-in motion sensor and programmable time control to maintain optimum performance. This luminaire also complies with the dark sky requirement with no upward lighting pollution.

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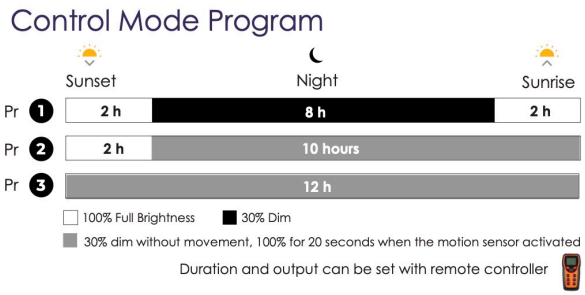
Integrated Mono-Si solar panel and LiFePO4 battery

All-in-one compact body, easy to install without making electrical connections

Multiple lumen packages with long operational working hours

Product information

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: 180lm/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: MPPT
Charging Time: 5-6 hours

Control Mode: D2D (Dusk to Dawn) / STD (Step Dimming with Motion Sensor Override / TC (Time Control)

Operating Hours: >3 days
Operating Temperature: -10°C to 50°C Mounting Option: Side-entry - Ø60mm

Post-top - Ø60mm Mounting Height: 3-8m

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

† Calculations are done with the 3 hours of Peak Sun Hour
*

Calculations are done with 12 hours of operation per day, detection of movement is 5 times per hour

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