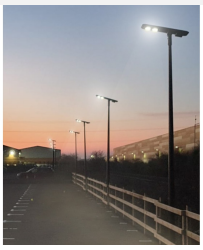
Unit 2,
Delta Court,
Doncaster,
DN9 3GN
text_phone 03333 444 943
sales@theledstore.co | https://theledstore.co/

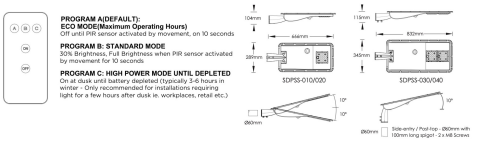
Solar PV Premium LED Street Light 10W/20W/30W/40W - c/w Motion PIR Sensor All-in-one Solar PV Street Exterior Light c/w Built In Integral Solar Panel & Integrated Lithium LiFePO4 Battery

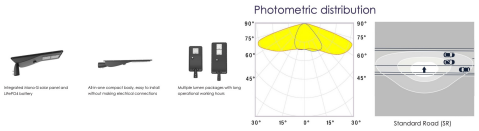
~~£274.80~~ £199.50











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

Unit 2,
Delta Court,
Doncaster,
DN9 3GN
text_phone 03333 444 943
sales@theledstore.co | https://theledstore.co/

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

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.)

For Optimum Results, install on a 15˚angle to the sun. If facing away from the sun then mount horizontally ie. Not facing away from the sun/shaded. Do not install in shaded areas - require direct sunlight.

PREMIUM SOLAR STREET LIGHT INSTRUCTIONS

Unit 2,
Delta Court,
Doncaster,
DN9 3GN
text_phone 03333 444 943
sales@theledstore.co/

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.



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)

Unit 2,
Delta Court,
Doncaster,
DN9 3GN
text_phone 03333 444 943
sales@theledstore.co | https://theledstore.co/

† 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

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.