

Teslights+

SMART LED STREETLIGHT SOLAR



The images are merely illustrative, some technical features and accessories may be changed without notice.



May 2019

For additional information, please contact us
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Product Description

With a compact and aesthetic design, the Smart LED Streetlight SOLAR by Teslights is the perfect choice of professional planners for delivering precise illumination over streets, highways, public buildings, and parking lots.

Advanced integration with Teslights sensor and controller technologies now allow for full participation in increasingly popular worldwide initiatives for developing "Smart" cities.

Say goodbye to costly electricity bills while reduce maintenance costs and improve your lighting performance.

The superior quality output of the Teslights' Smart LED Streetlights SOLAR deliver immediate modernization in outdoor illumination.



Key Features

- Anodized Aluminum heat sink
- Modular manufacturing process
- 5 year factory warranty
- No rewiring of fixture, minimizing replacement and maintenance costs
- PIR motion infra-red sensors and intelligent controller, to ensure the effect of the lamps and lanterns lightin ability.
- Rotating lamp arm to multi-angle adjustment, that is suitable for different latitude regions and different forms of light pole installation requirements.
- Wind loading: 65 m/SEC, certification number (JK -FG2016W018)
- Lithium iron phosphate battery charging > 2000 times



Product Specifications

SLS 8W

LED package:	SMD 3030
Power consumption:	8W ±5%
Input voltage:	12-18V DC 50/60 Hz
Efficacy:	Up to 160 lm/W
P.F.:	>0.98
Material:	6030 aluminum alloy and pc cover
Beam angle:	150°x70°
IP rating:	IP66
Operating temperature:	-10°C ~ 60°C
Solar panel:	17.5W monocrystalline silicon
Battery:	9.6AH Lithium-ion Li FePO4 batteries
Operating time:	Full power ≥12 hours, Intelligent mode 4-5 days
Solar panel conversion rate:	≥17%
Installation height:	4~6m

SLS 15W

LED package:	SMD 3030
Power consumption:	15W ±5%
Input voltage:	12-18V DC 50/60 Hz
Efficacy:	Up to 160 lm/W
THD:	<18%
P.F.:	>0.95
Material:	6030 aluminum alloy and pc cover
Beam angle:	150°x70°
IP rating:	IP66
Operating temperature:	-10°C ~ 60°C
Solar panel:	30W monocrystalline silicon
Battery:	16AH Lithium-ion Li FePO4 batteries
Operating time:	Full power ≥12 hours, Intelligent mode 4-5 days
Solar panel conversion rate:	≥17%
Installation height:	4~6m

SLS 30W

LED package:	SMD 3030
Power consumption:	30W ±5%
Input voltage:	12-18V DC 50/60 Hz
Efficacy:	Up to 170 lm/W
P.F.:	>0.95
Material:	6030 aluminum alloy and pc cover
Beam angle:	150°x70°
IP rating:	IP66
Operating temperature:	-10°C ~ 60°C
Solar panel:	75 W monocrystalline silicon
Battery:	32AH Lithium-ion Li FePO4 batteries
Operating time:	Full power ≥12 hours, Intelligent mode 4-5 days
Solar panel conversion rate:	≥17%
Installation height:	4~6m

SLS 40W

LED package:	SMD 3030
Power consumption:	40W ±5%
Input voltage:	12-18V DC 50/60 Hz
Efficacy:	Up to 160 lm/W
P.F.:	>0.95
Material:	6030 aluminum alloy and pc cover
Beam angle:	150°x70°
IP rating:	IP66
Operating temperature:	-10°C ~ 60°C
Solar panel:	30W monocrystalline silicon
Battery:	41.6AH Lithium-ion Li FePO4 batteries
Operating time:	Full power ≥12 hours, Intelligent mode 4-5 days
Solar panel conversion rate:	≥17%
Installation height:	4~6m

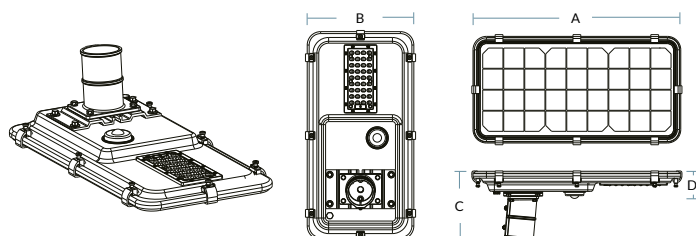
You can choose any battery option to rise the autonomy duration of the lamp.

Lamp type	Battery type	Lamp Autonomy	Intelligent mode
8W	9.6AH Lithium-ion Li FePO4 batteries	Full power ≥12 hours	4-5 days
	16AH Lithium-ion Li FePO4 batteries	Full power ≥20 hours	6-7 days
	32AH Lithium-ion Li FePO4 batteries	Full power ≥41 hours	13-14 days
	41.6AH Lithium-ion Li FePO4 batteries	Full power ≥52 hours	17-18 days
15W	16AH Lithium-ion Li FePO4 batteries	Full power ≥12 hours	4-5 days
	32AH Lithium-ion Li FePO4 batteries	Full power ≥24 hours	8-9 days
	41.6AH Lithium-ion Li FePO4 batteries	Full power ≥31 hours	10-11 days
30W	32AH Lithium-ion Li FePO4 batteries	Full power ≥12 hours	4-5 days
	41.6AH Lithium-ion Li FePO4 batteries	Full power ≥15 hours	5-6 days
40W	41.6AH Lithium-ion Li FePO4 batteries	Full power ≥12 hours	4-5 days

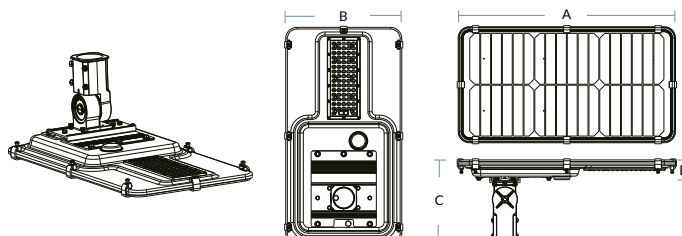


Product Measurement

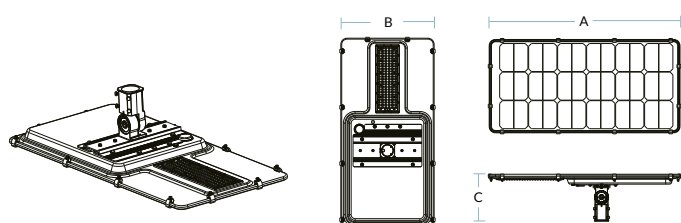
SLS 8W



SLS 15W



SLS 30-40W



Model	Measures (AxBxC)	Pole diameter
SLS 8W	283 x 538 x 117 x 50 mm	50 ~ 60 mm
SLS 15W	367 x 677 x 254 x 50 mm	50 ~ 60 mm
SLS 30-40W	526 x 1063 x 259 mm	50 ~ 60 mm



Sensor Working

	Sensitive time	Has people	No people
Night Less than 100 lux start working	4 Hours	100%	50%
	2 Hours	60%	30%
	6 Hours	50%	20%
Daytime	Automatically shut dow		



Ordering Guide

Example: SLSP15M160C50

Type	Dim or Non-Dim	Watts	Driver/Power	Efficiency	Cover	CCT	Pole Size
SLS	P	15	M	160	C	50	
SLS	S P	Non dimmable Dimmable	08 15	8W 15W	M	Internal 12-18VDC 50/60 Hz	160 160 lm/W
			30 40	30W 40W			170 170 lm/W
						C	Clear
						45 50	4500K 5000K
						-50 -60	50 mm 60 mm

Note: We can also produce SLS in different Wattages, lumens variations and color temperatures.
For more information contact your account manager.



Photometric diagram

SLS 8W

SLS 15W

SLS 30W

SLS 40W

