All-in-One LED Solar Module Street Light

WSD LED INC
Green Lighting Resources

Wattages: 50W,80W



50W 80W

The All-in-One LED Solar Module Street Light features a modular design for easy installation and maintenance. It includes smart energy-saving functions, supports periodic discharge, and offers dual protection for both charging and discharging. With its batwing-shaped light distribution design, it provides uniform illumination. It is ideal for use in parks, roads, parking lots, courtyards, and a variety of other settings.



FEATURES:

- High luminous efficiency and long working life.
- A special solar controller is used.
- High quality craftsmanship, integrated design, and exquisite appearance.
- Monocrystalline silicon solar panel.
- Excellent optics design, greatly improve the light utilization and evenness.

SPECIFICATION		
TYPE	WSD-SPMST50W12VDC-50K-B	WSD-SPMST80W24VDC-50K-B
LED LAMP MAX POWER	50W	80W
LUMEN	7566 LM (Light Source)	15694 LM (Light Source)
CCT	5000K	
CRI	70	
SOLAR PANEL	Monocrystalline 105W/18V	Monocrystalline 205W/36V
BATTERY	12.8V/48AH (Lithium Iron Phosphate)	25.6V/48AH (Lithium Iron Phosphate)
SYSTEM VOLTAGE	DC12V	DC24V
RECOMMENDED HEIGHT	4-6M (13.12-19.68FT)	6-8M (19.68-26.25FT)
WORKING TIME	12H (4H100%+4H70%+4H50%)	
CHARGING TIME	≥12H	
RAINY DAY WORKING TIME	About 2 days	
WORKING TEMPERATURE	0°C ~ 60°C (32ºF ~ 140ºF)	
INNER DIAMETER OF LAMP HOLDER	φ66mm(2.6 inch)	
EPA	2.1 sq ft	2.9 sq ft
OUTDOOR RATING	IP65	
CHIP	3030	
BATTERY WORKING TEMPERATURE	0°C ~ 60°C (32ºF ~ 140ºF)	
LED LIFESPAN	≥ 50000 H	
WARRANTY	2 year limited	

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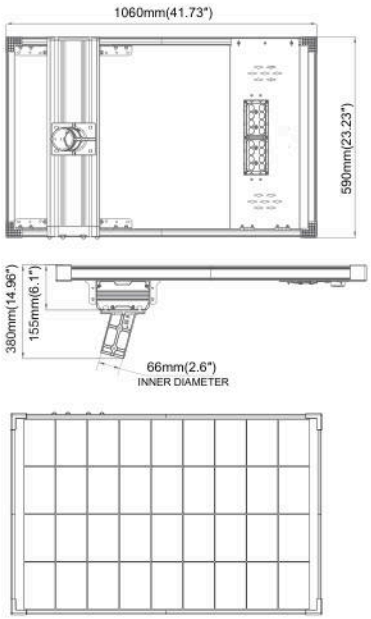
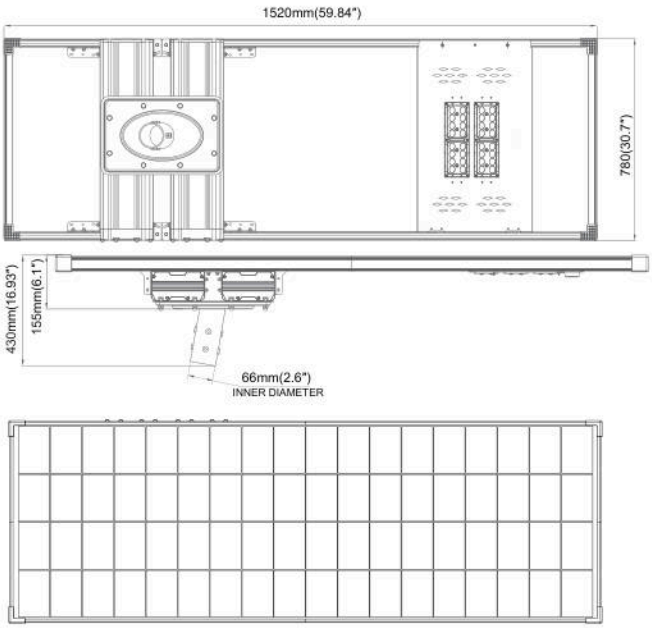
DIMENSION:





50W **80W**

PACKAGING INFORMATION:

❖WSD-SPMST50W12VDC-50K-B
1140mmX670mmX240mm(1Pcs/CTN)
(44.88" X26.38" X9.45")

❖WSD-SPMST80W24VDC-50K-B
1600mmX860mmX240mm(1Pcs/CTN)
(62.99" X33.86" X9.45")

SPECIFICATIONS:

Shell materials: Aluminum & PC

Net weight : 44.1 lbs(50W)
88.2 lbs(80W)

Finish: Black(Standard)

ACCESSORIES: (Standard)



Screw accessory kit

ACCESSORIES: (SOLD SEPARATELY)



WSD-SPMST-50W-FB-B
WSD-SPMST-80W-FB-B
50-80W All-in-One LED Solar Module Street Light Fixed Bracket

ORDERING INFORMATION

EXAMPLE: WSD-SPMST50W12VDC-50K-B / WSD-SPMST80W24VDC-50K-B

WSD	SPMST	50W	12VDC	50K	B
COMPANY	PRODUCT	WATTAGE	VOLTAGE	CCT	FINISH
WSD LED INC	**SPMST** (LED Solar Module Street Light)	**50W** - (50W) **80W** - (80W)	**12** (12Vdc) **24** (24Vdc)	**50K** - (5000K)	**B** - (Black)

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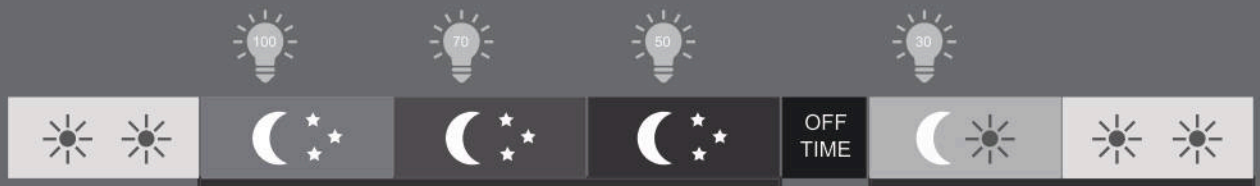
Intelligent control system:

100% use of solar energy, no consumption of fossil fuels, no air pollution working mode
PS: The intelligent system will prioritize according to the settings



Working Time 1
Time range: 0-12h
Default time: 4 hours
Power range: 0-100%
Default brightness: 100%

Working Time 2
Time range: 0-12h
Default time: 4 hours
Power range: 0-100%
Default brightness: 70%

Working Time 3
Time range: 0-12h
Default time: 4 hours
Power range: 0-100%
Default brightness: 50%

Photocell Control:
When the ambient light level drops below 30 lux in the evening, the light sensor activates and turns on the lights. When dawn breaks and the ambient light level rises above 106 lux, the light sensor deactivates and turns off the lights to allow them to recharge.

Dawn time
Time range: 0-12h
Default time: 0h
Power range: 0-100%
Default brightness: 30%

Morning lighting mode:
The sensor of light controller lights up the light before sunrise.

Intelligent power regulation
The intelligent battery control system can automatically adjust the output power of the lighting fixtures based on the battery storage capacity, effectively extending the working time of the lighting fixtures. Even in continuous cloudy and rainy weather, it can ensure the continuous operation of solar street lights.

PHOTOMETRICS:

For complete IES files, please visit our website.

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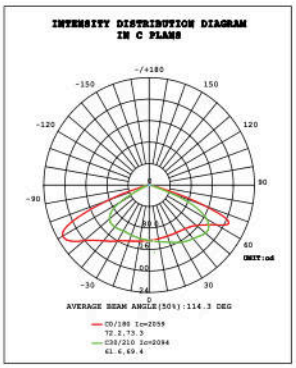

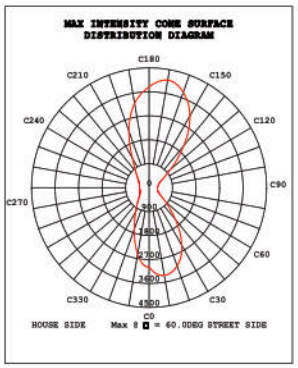

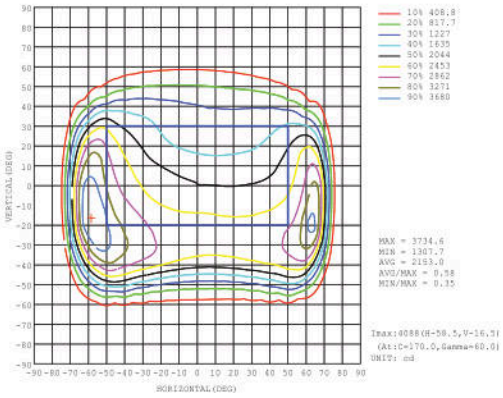

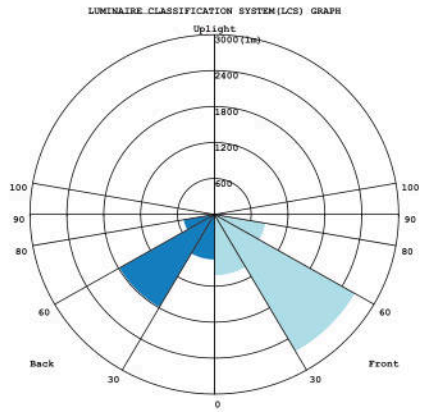

WSD-SPMST80W24VDC-50K-B

