



RSS2

AIO Solar Street Light

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The appearance features a flat and low-wind-resistance design, which is simple and stylish. The solar panel, battery, and solar controller are integrated for installation. It has a unique dual-chamber design (with the battery module separated from the lamp body). In case of a malfunction, it can be replaced as a whole. It can be set for segmented timing dimming via a remote control (supporting up to 10 segments of dimming). The status of the lamp can be monitored on multiple platforms such as mobile phones or computers (4G status monitoring). Meanwhile, a microwave sensor can be optionally installed for greater energy efficiency.

The overall design of the lamp is delicate yet elegant, perfectly integrating excellent performance with cutting-edge technology. Without being overly flamboyant, it can bring you an experience beyond your imagination.

MAIN FEATURES:

1. Luminaire adopt integrated structure design, which easy for installation;
2. With LUXEON 5050 LEDs, Whole luminaire's light efficiency more than 180lm/w. Using 6063-T6 Aeronautical aluminium material, higher heat dissipation and strength performance which ensures longer lifespan;
3. Using Monocrystalline silicon solar panel, the transfer efficiency highest to 22%, lifespan up to 25 years;
4. Using CLASS A level LiFePO4 battery, with high consistency and high battery capacity, ensures lifespan more than 5 years;
5. Using advance MPPT controller, ensures high quality solar energy transfer efficiency to reduce the waste;
6. Support various functions: Sectional Timing dimmable, Microwave induction, 4G status monitoring Camera, Mobile APP control etc.

APPLICATIONS:

1. Rural Roads: It can provide lighting for rural main roads and alleys without having to lay complex cables;
2. Parks and Scenic Areas: Places like parks and scenic areas aim for natural ecology. Solar street lights don't need an external power supply and cause little damage to the environment;
3. Residential Communities: It can be used for lighting the internal roads and garden paths in residential communities;
4. Industrial Parks: Some large industrial parks cover a wide area. Installing solar street lights can save long-term electricity expenses;
5. Remote Areas: In places where the power grid is hard to reach, such as mountainous areas and grasslands, solar street lights can meet the local basic lighting needs.



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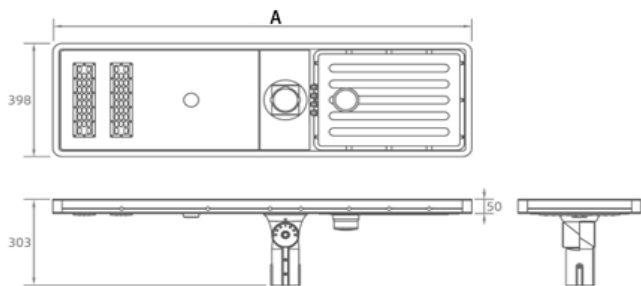
Add: Building 44, DongYuan Intelligent Industrial Park, No.199 XinAn Road, WuXing District, Huzhou City, Zhejiang Province, China.

ZIP: 313000 Tel: 0086 2966870

RSS2 SPECIFICATIONS:

Light Parameters				
Product Code	RSS2-XS-028015	RSS2-S-028030	RSS2-M-056045	RSS2-L-084060
LED Quantity LED	1x28	1x28	2x28	3x28
Light Output (W)	15W	30W	45W	60W
Module Light Efficiency	> 180 lm/W			
Color Temperature	3000K/4000K/5000K			
Optical Distribution	T1/T2/T3			
Physical Parameters				
Power Of Monocrystal Solar Panel (W)	60W	80W	100W	120W
LiFePO Battery Capacity (Wh)	317Wh	555Wh	634Wh	793Wh
Standard Sectional Timing Dimmable	✓			
RIP Sensor (Optional)	✓			
4G Energy Monitor (Optional)	✓			
Camera Monitor (Optional)	✓			
Customized Two Head Light Source (Optional)	✗		✓	
Working model	Full power working 4 hours after dusk and then change to sectional timing node			
Back Up	2-3 Rainy Days			
Mounting Recommendations				
Top of Pole Diameter (mm)	76mm (60mm is optional)			
Mounting Height (m)	4-6m			
Mounting Bracket Adjustable Angle	-90°~90°			
Product Mounting Angle	Suggest combine the latitude of the installation city			
Packing Parameters				
Standard Type Main Body Package Size (mm)	905x450x115 mm	1150x450x115 mm	1450x450x115 mm	1680x450x115 mm
Or 4G Monitor Type Main Body Package Size (mm)	905x450x145 mm	1150x450x145 mm	1450x450x145 mm	1680x450x145 mm
Main Body Weight (KG)	18kg	20kg	22Kg	30Kg
Installation Bracket Package Size (mm)	255x130x145 mm			
Installation Bracket Weight (KG)	2Kg			
Environment Requirements				
Charge Temperature	0°C~65°C			
Discharge Temperature	-20°C~55°C			
Storage Temperature	-20°C~45°C			

DRAWING:



Product Code	RSS2-XS	RSS2-S	RSS2-M	RSS2-L
A (mm)	858	1103	1358	1633

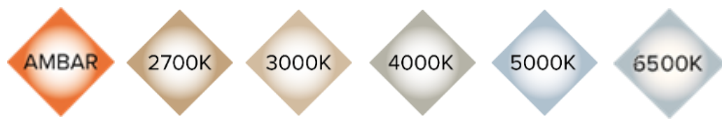
INSTALLATION:



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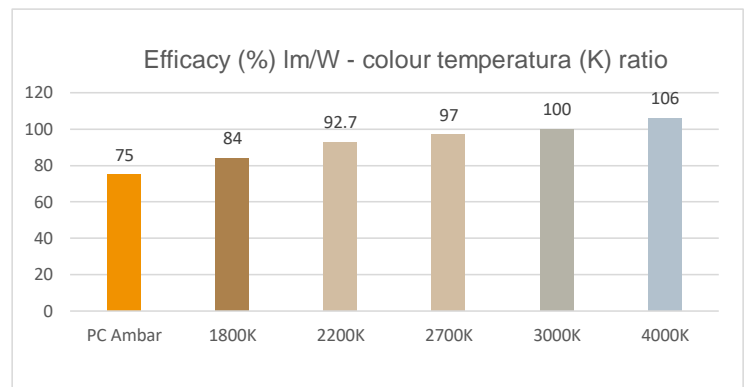
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TECHNICAL DATA:

Product Code	LED Quantity	Light Output (W)	Luminous flux (LM)	Luminous efficacy (Lm/W)
RSS2-XS	1x28	15	2730	182
RSS2-S	1x28	30	5430	181
RSS2-M	2x28	45	8100	180
RSS2-L	3x28	60	10800	180

Luminous flux and efficiency at 3000K and CRI>70.
Luminous flux tolerance $\pm 3\%$.
Values may be subject to changes due to LED binning.



PHOTOMETRY:

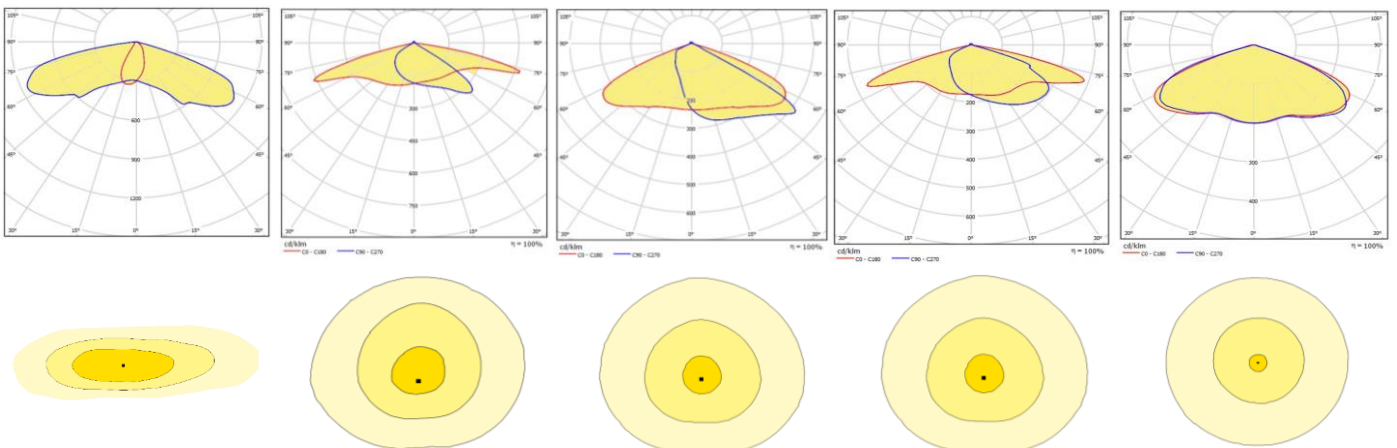
Super-Extensive asymmetry
(Customized light distribution)

Medium-range asymmetry
(TII-M)

Short-distance wide-range asymmetry
(TIII-S)

Long-distance directional asymmetry
(TIV)

Circular symmetric omnidirectional
(TV)



* Show 5 recommended light distribution methods.



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