

AMBER

L i g h t i n g



SS20 SERIES 30W-80w

ALL IN ONE SOLAR STREET LIGHT

With over 140lm/w high lumen efficiency, the innovative model in all in one solar street light.

SPECIFICATIONS

Innovative integrated solar street light



30W-40W






60W-80W

High Lumen Led Light / Available 30w-80w

Feature:

- Integrated design: solar panel, led light, lithium battery, MPPT controller in one body. Save transport fee and labor cost.
- Led Light: Phillips led chips, with 140lm/w
- Solar panel: Monocrystalline silicon with over 19.5% efficiency, ensuring maximum solar power energy conversion
- External Led Light with great heat dissipation, aluminum extrusion radiator improves LED thermal heat dissipation by up to 115% ensure the light working temperature will be not too high.
- Microwave motion sensor is more accurate than the PIR sensor in detecting moving object, detection distance is up to 15 meters.
- Easy installation: No power required, no cable, no wiring, easy installation within several minutes.
- Main structure is made of aluminum alloy material for anti-corrosion

Model No.	SS20-30W	SS20-40W	SS20-60W	SS20-80W
Picture				
Light Source Power	30W	40W	60W	80w
Lamp Rated Total Luminous Flux	4200lm	5600lm	8400lm	11200LM
Beam Angle	140°x60°			
Color Temperature (CCT)	3500K - 7000K			
Color Rendering Index(CRI)	≥80			
IP Rating	IP65			
Storage Temperature	-20°C-45°C			
Solar Panel (Mono PV Module Power) Lithium Battery(LiFePO4)	45W/18V 22AH/12.8V	60W/18V 30AH/12.8V	80W/18V 40AH/12.8V	100W/18V 60AH/12.8V
Solar Charge Controller	12V-24V/10A			
Working Temperature	-20°C-60°C			
Working Hours(Bright Mode)	9hours			
Working Hours(Dim Mode)	30hours			
Charge Temperature	0°C-60°C°			
Discharge Temperature	-20°C-60°C			
Working Time	3 constant rainy days			
Height Of Pole	6-7m	7-8m	9-10m	9-10m
Distance Between Pole	16-19m	19-23m	27-31m	30-35m
Light pole	60-114mm	60-114mm	60-114mm	60-114mm
Dimensions	108*30*4cm		116*50*6cm	136*55*7cm
Working Mode	light/ time/ microwave sensor control /Time + microwave sensor control			

External led light with great heat dissipation

Lead head utilises a new CNC production technique and is fabricated from aluminum extrusion which improves LED thermal heat dissipation by up to 115% this in turn improves the longevity of the LED's and protect the battery, ensure the light working temperature will be not too high, promising more long term system reliability..



MPPT control system

MPPT (maximum power tracking) controller can automatically adjust the output power according to weather changing, charging efficiency is 16% -30% higher than the PWM.



Battery management

Compared to the lead-acid battery, the discharging depth of lithium battery is 4 times higher, and the cycling life is 5 times higher, and they will not pollute the environment.

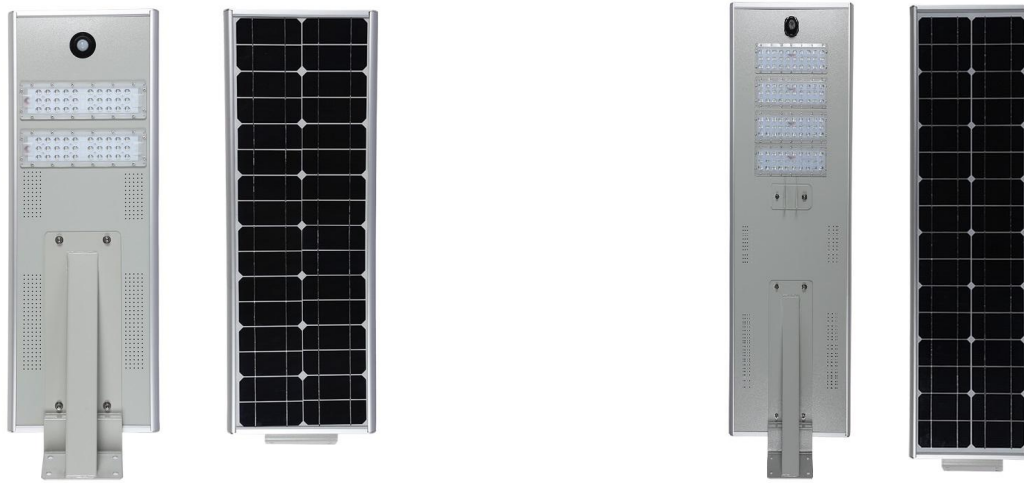


Innovative all in one design



40W

80W



Distributions

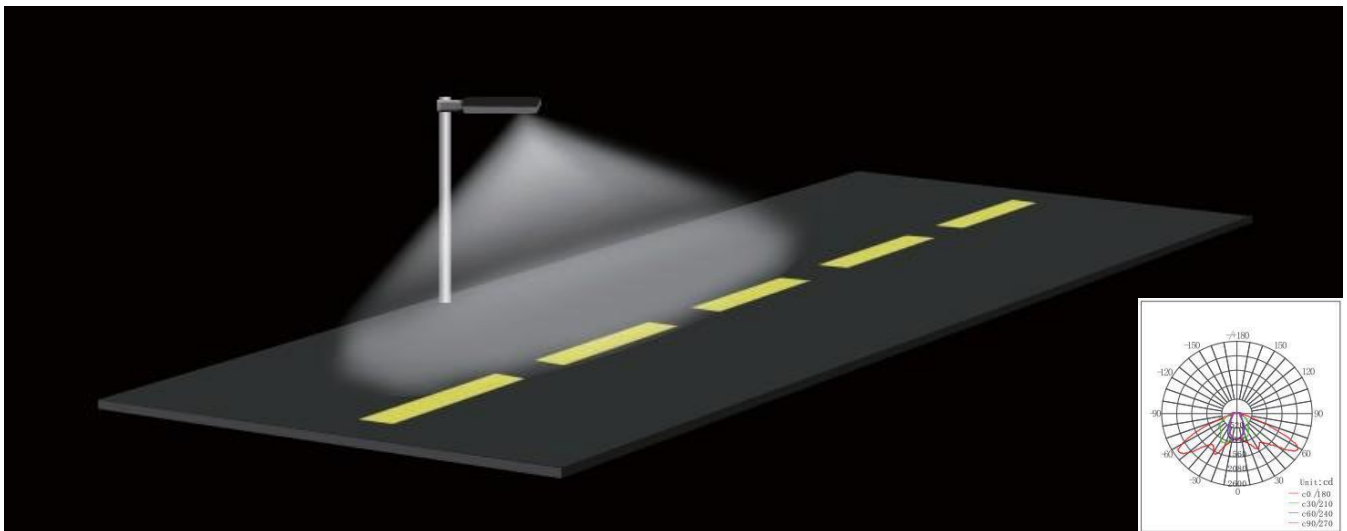
Philips LED

Philips outdoor special LED, lumen value up to 140lm/w

Wide beam angle lens

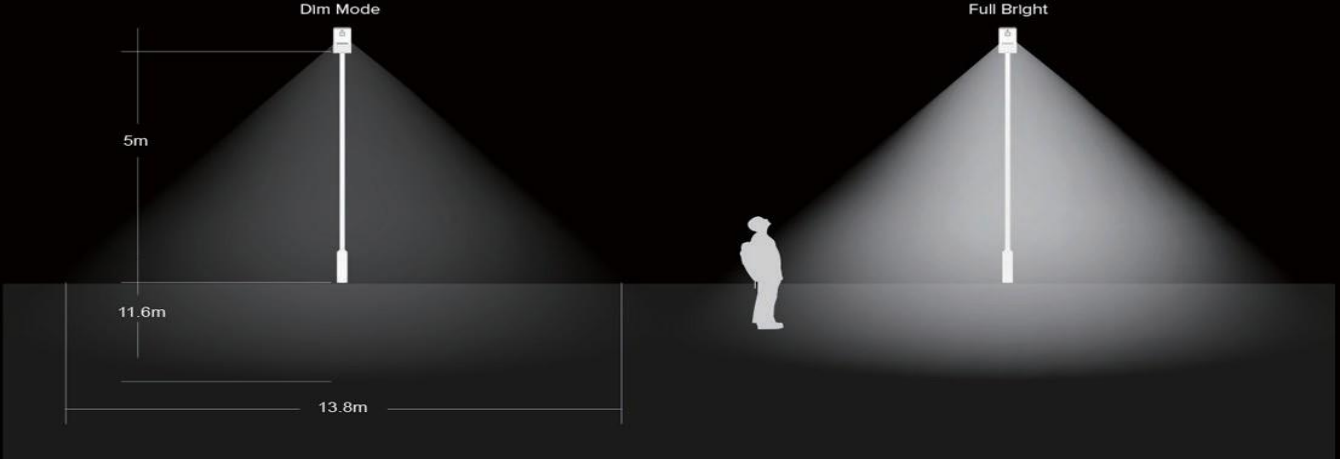
New design patent light distribution lens, significantly improve light effect.

Compared the previous generation products, lighting area is expanded by 30% lighting uniformity increased of 180%.



Microwave motion sensor

People come full brightness mode, people go far dim-mode, extend lighting time



Working mode

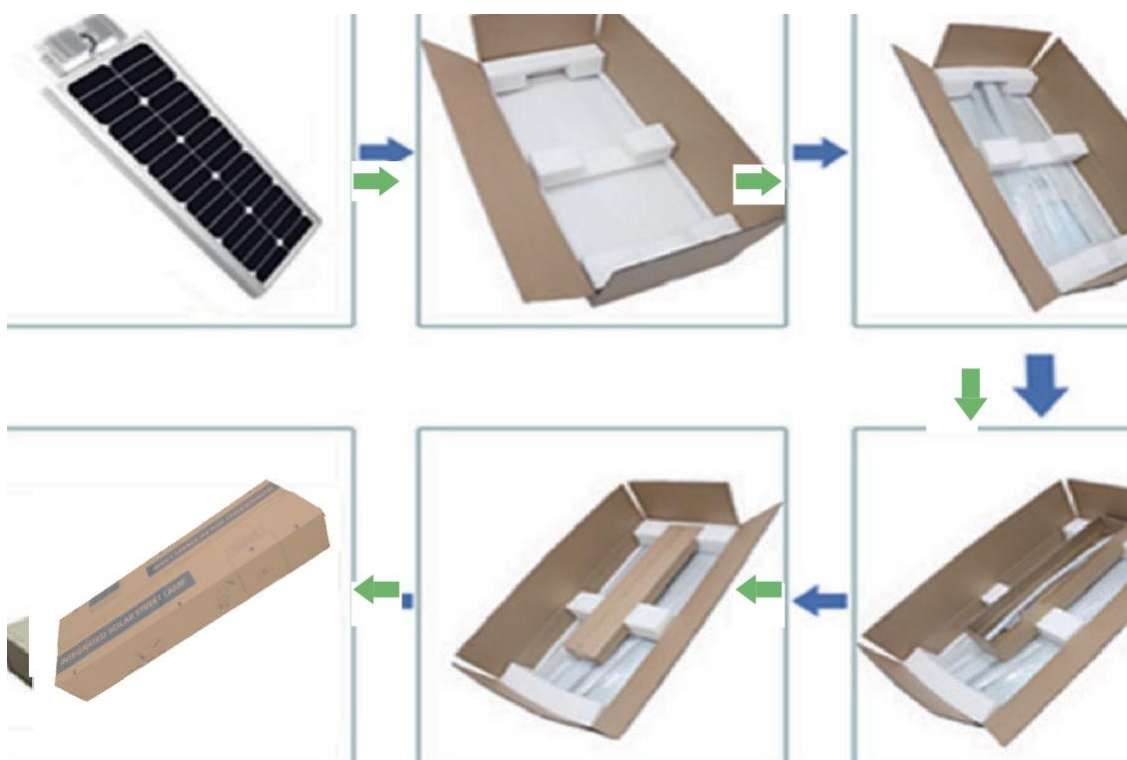
Work for over 10 hours per night

Work for 3 constant rainy days T

You also can send us for customized working plan. (working mode can be adjusted according to client's demands).

Product packaging

Color box packaged, anti-shock packaging material, with bubble bages and foam, ensure transport safety.





Application

- ✓ Courtyard & Garden & Park
- ✓ Parking Lot & Private Road
- ✓ Campus & Airfield & Farm & Ranch
- ✓ Remote Area & Military Base
- ✓ Temporary and Event Lighting
- ✓ Construction Sites & Rural Area Lighting
- ✓ Street & Roadway & Pathway
- ✓ Sidewalk & Public Square & Plaza
- ✓ Perimeter Security & Wildlife Area
- ✓ Coastal Areas & Billboard Lighting
- ✓ Strata and Public Area Lighting
- ✓ Mining and Industrial sites