



Solar street lamp WI

Solar panel as the sail, lamp body as the boat
May you have favorable winds in your sails



CE RoHS FC IP65 IES

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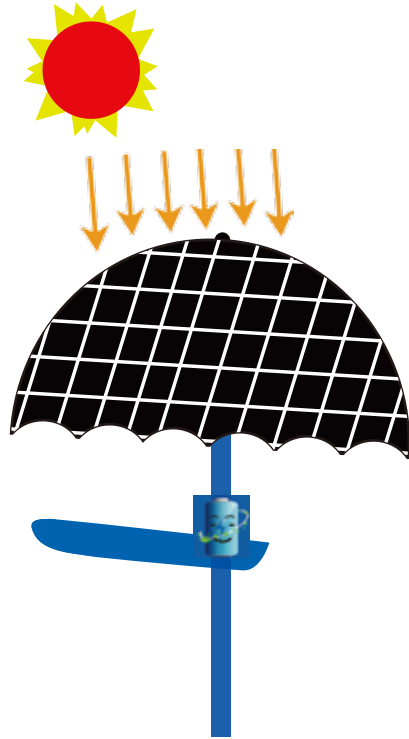
01

Unique Structure Design

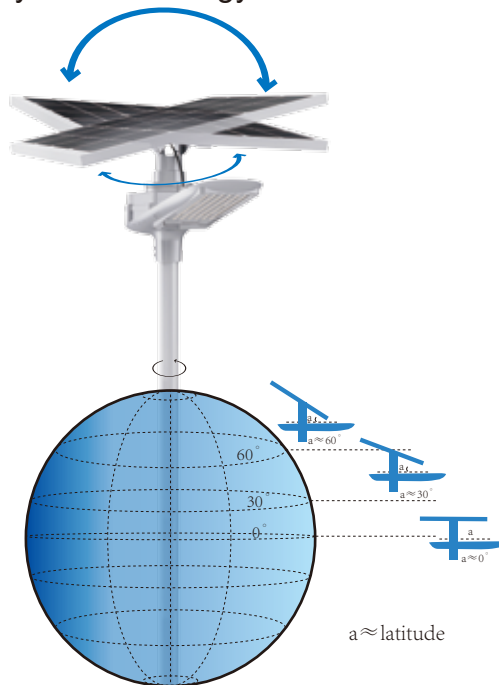
- Integrate the solar panel, led body, battery and controller into whole system. Easy to transport, install and maintain.



- Solar panel looks like an umbrella to protect battery from high temperature and extend the lifetime. Perfectly solve heat dissipation.



- Solar panel can be adjustable manually in vertical and horizontal direction, ensure the maximum efficiency of solar energy.



**Unique Integration Design**

Easy to transport, install and maintain.

**Rotating Solar Panel**

Solar panel can be adjusted in vertical and horizontal direction.

**Control Mode Management**

6 classic working modes for choice.

**Battery Program Upgraded**

Embedded single string control technology. More stable and longer lifespan.

**Charge and Discharge Management**

Protect battery by software and hardware, supporting battery charge at 0v. Battery capacity decay less than 10% after 2000 times' cycle.

**Lighting Efficiency Upgraded**

Upgraded to 100pcs of led chips, lighting efficiency of the whole system up to 180lm/w.

**Intelligent Power Control**

Embedded intelligent monitoring 5.0 system, AI intelligently detecting recent weather conditions, reasonably plan the discharge power to achieve more rainy days.

**Light distribution Upgraded**

Patent bat-wing lens with bigger lighting angle, effectively illuminate the entire road with less wasting of luminous.

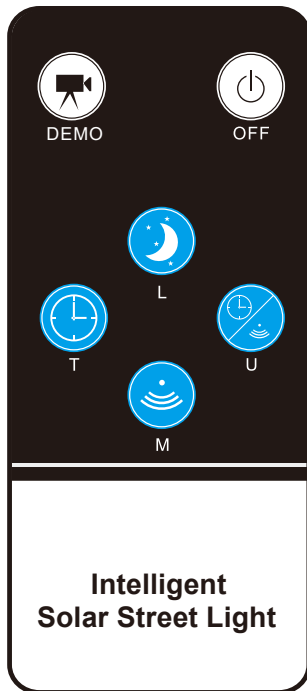
**Smart Memory Management**







Road Smart newly added memory storage of working modes, realize permanent storage of once operation.

03

Remote Control

6 working modes



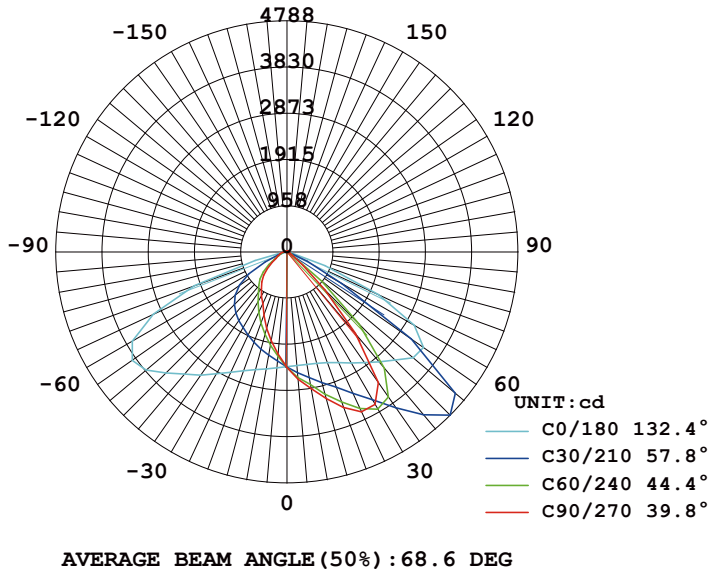
-  **DEMO:** No matter day or night, light "on" for 1 mintue. Only for test use.
-  **OFF:** Light "off", no matter day or night.
-  **L:** At night, 100%-2hrs, 60%-3hrs, 20%-dawn.
-  **T:** At night, 100%-2hrs, 70%-4hrs, 20%-2hrs.
-  **M:** At night, 100%-1hr, 40%-3hrs, 10%-dawn.
-  **U:** At night, 100%-1hr, 70%-4hrs, 30%-dawn.

- Note:
1. Default is L mode, can choose best mode according to different sunshine condition.
 2. The three LED indicator lights will twinkle if modes changing successfully.
 3. Once a certain mode was set successfully, it will be reserved until you change other modes with remote control.

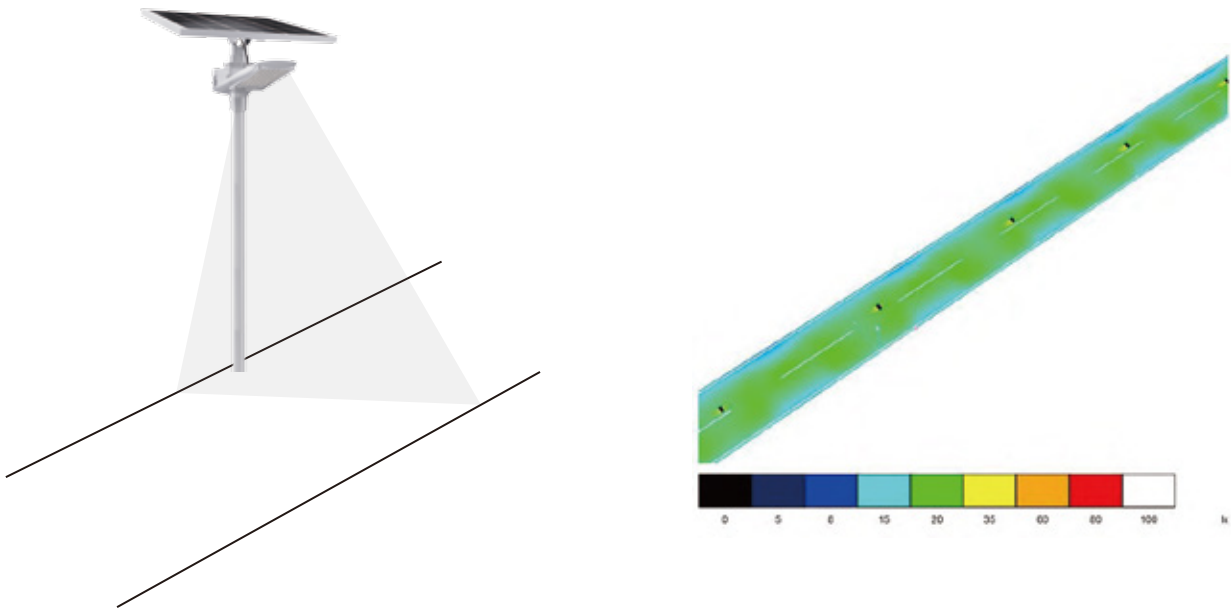
04

Light Distribution

Luminous intensity distribution curves

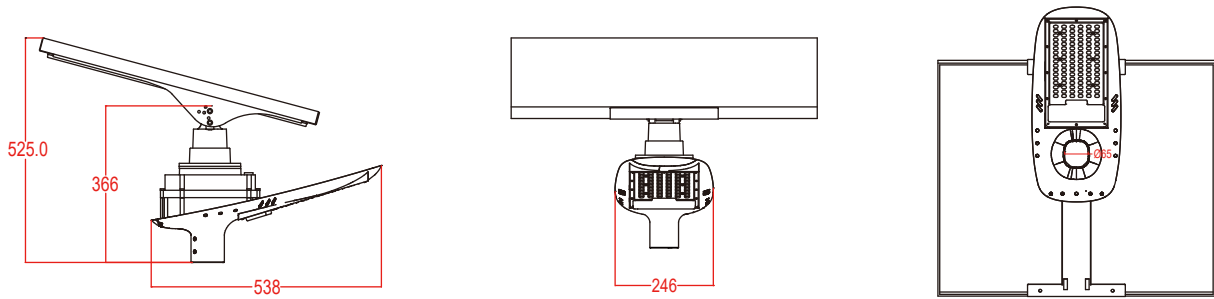


Bat wing lens with polarized light

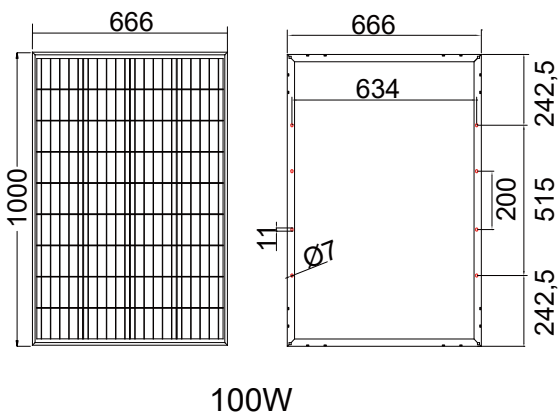
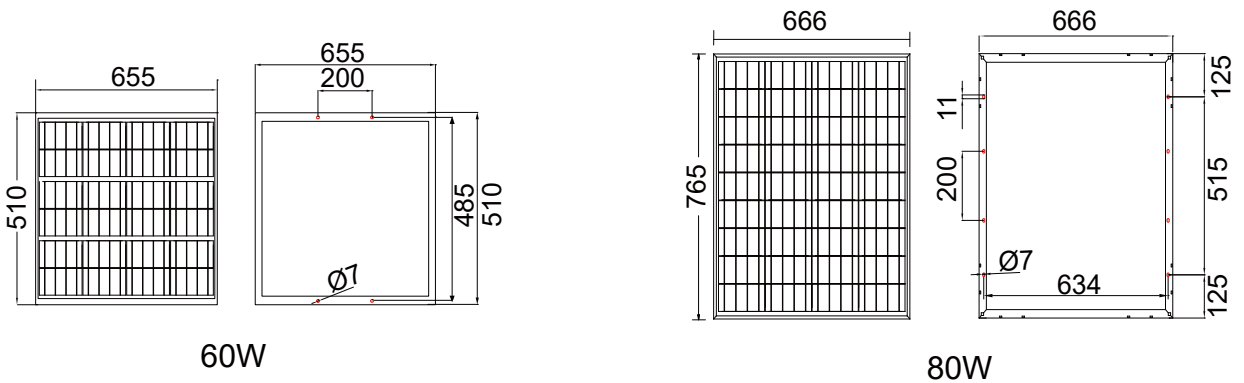


05

Dimension



Solar panel size



■ Technical parameter

	Type	WI - 15	WI - 20	WI - 30	WI - 40
Panel	Power	60W/6V	80W/6V	100W/6V	100W/6V
	Material	Poly crystalline silicon	Poly crystalline silicon	Poly crystalline silicon	Poly crystalline silicon
	Solar cell efficiency	17-18%	17-18%	17-18%	17-18%
Lithium battery	Capacity	144WH	192WH	307WH	384WH
	Charge cycle times	2000 times			
Lamp head	Luminous flux	2500-2700lm	3400-3600lm	5000-5400lm	6800-7200lm
	Light output	15W	20W	30W	40W
	LED qty	100pcs			
	Color temperature	3000-7500K			
	CRI	≥70Ra			
	Material of lamp head	Aluminum alloy			
	Lifespan	50000hrs			
System	Light distribution	Batwing lens with polarized light			
	Lighting time(full charged)	5-7 rainy days			
	Operation temperature	-20 C ~60 C			
Installation	Top diameter of pole	60mm			
	Mounting height	4-8m			
	Installation spacing	10-30m			





