

Solar Floor Lamp WN

Come from nature, Light up the future



Brighter, longer and more uniform



CONTENT

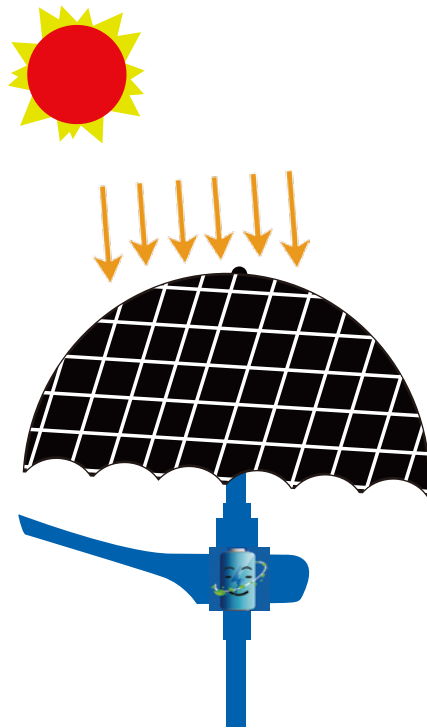
1. Unique Structure Design	02
2. Core Technologies	04
3. Remote Control	05
4. Light Distribution	06
5. Dimension	07
6. Parameter	08
7. Application	09

01 Unique Structure Design

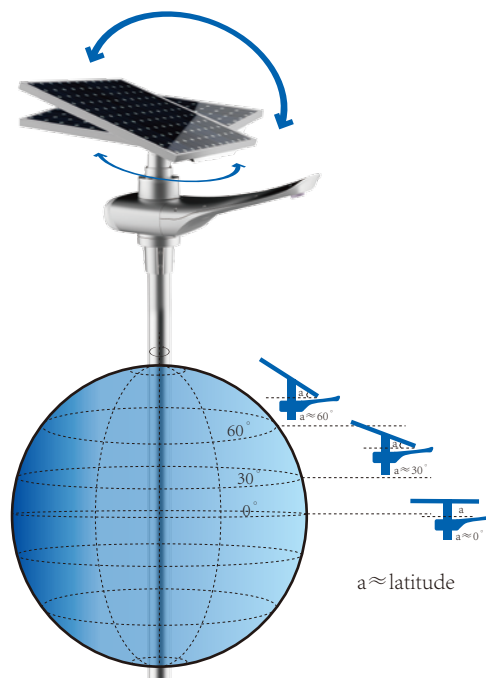
- Integrate the solar panel, led body, battery and controller into whole system. Easy to transport, install and maintain.



- 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.



02

Core Technologies



Unique Integration Design

Easy to transport, install and maintain



Rotating Solar Panel

Solar Panel can be adjusted in vertical and horizontal direction



Charge and Discharge Management

Protect battery by software and hardware, supporting battery charge at 0v



Light Efficiency Management

Patent led chip with high efficiency, the whole system lighting efficiency has been improved to 180lm/w



Patent Bat-wing Lens

Lighting area much wider, the maximum of using the lighting all light the road, increase the installation distance to 50m



MPPT Technology

The conversion efficiency of solar system can be fully increased, effectively shorten the 20% charge time



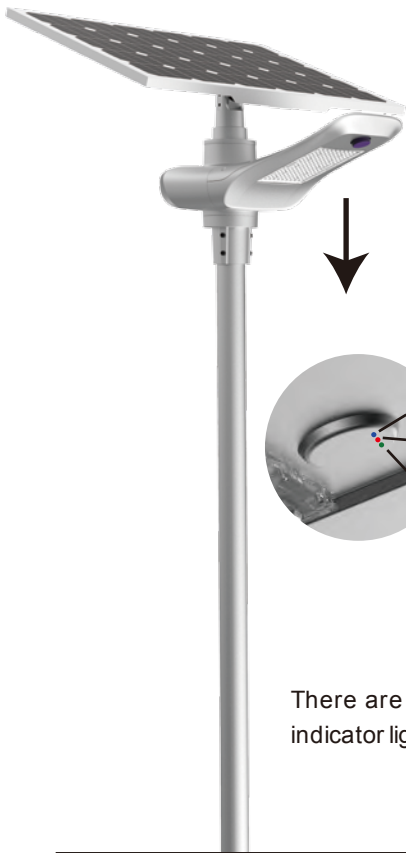
Battery Program Updated

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




03

Remote Control

Indicator light status instructions



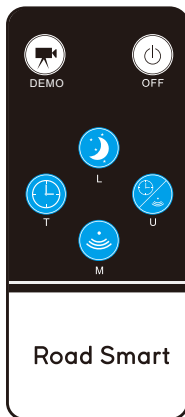
There are three indicator lights







LED light	Indications	Status	Functions
● Blue 	Charging indication	Long-term On	Be charging
		Long-term Off	Battery full charged
● RED 	Battery indication	Long-term On	Battery works normally
		Long-term Off	Battery is not connected/No power
		Fast twinkling	Battery is over discharged
		Slow twinkling	Battery full charged
● Green 	Load indication	Long-term On	Load is on
		Long-term Off	Load is off

System faults include:

1. Over discharging of battery.
2. System overvoltage.
3. LED load in short circuit.
4. LED load in open circuit.

6 working modes

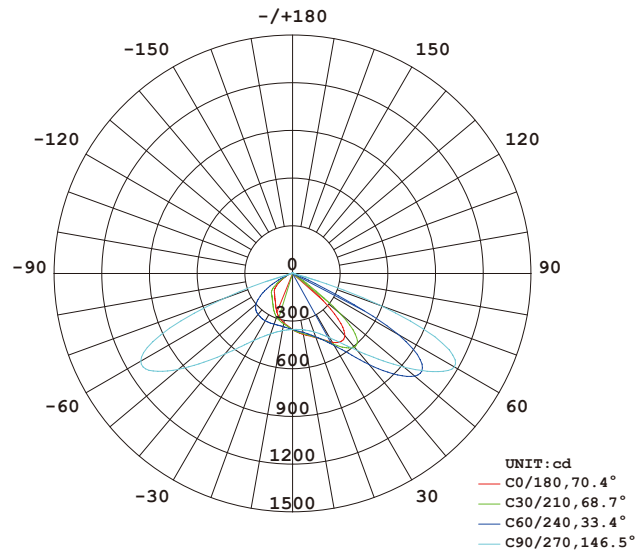


-  **DEMO:** No matter day or night, light "on" for 1 mintue. Only for test use.
-  **OFF:** Light "off", no matter day or night.
-  **L:** At night, 100%-2hr, 70%-2hrs, 30%-dawn.
-  **T:** At night, 100%-1hr, 70%-2hrs, 40%-3hrs.
-  **M:** At night, 50%-1hr, 100%-3hrs, 30%-dawn.
-  **U:** At night, 100%-1hr, 70%-3hrs, then sensor working, 50% if people come, 20% stand-by.

Note: Default is L mode, once a certain mode was set successfully, it will be reserved until you change other modes with remote control.

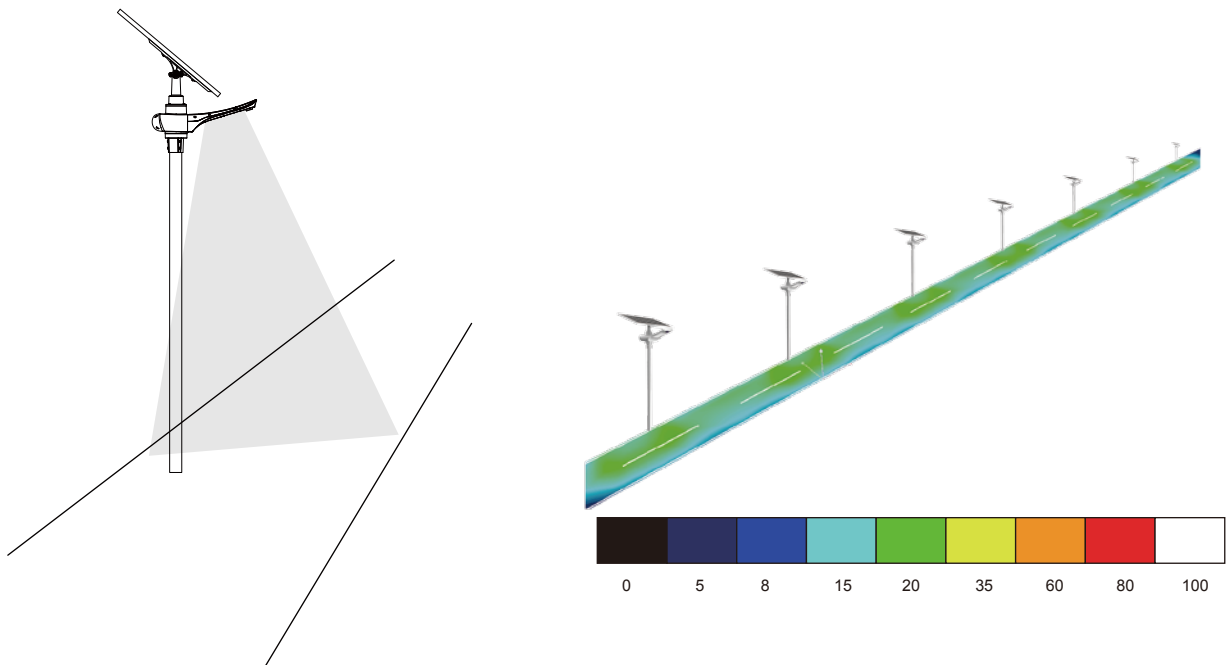
04 Light Distribution

■ Luminous intensity distribution curves



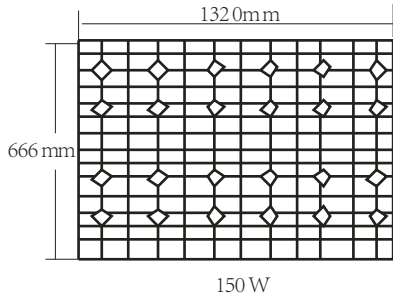
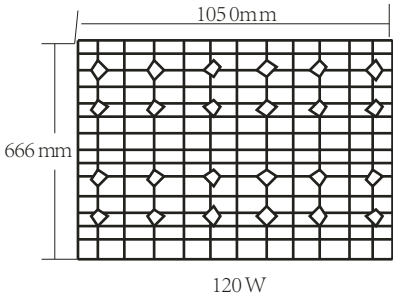
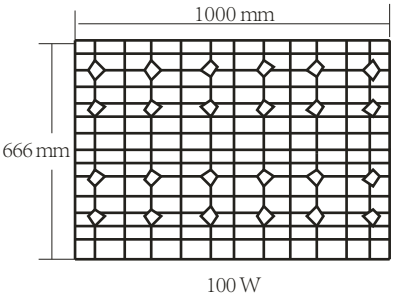
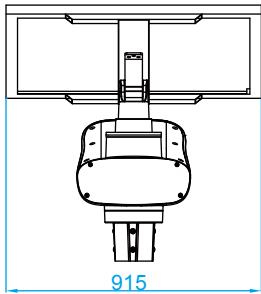
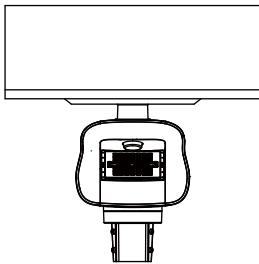
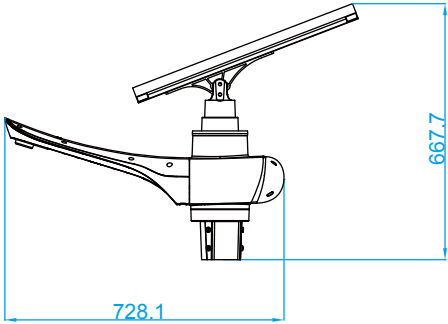
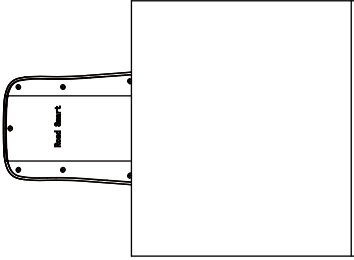
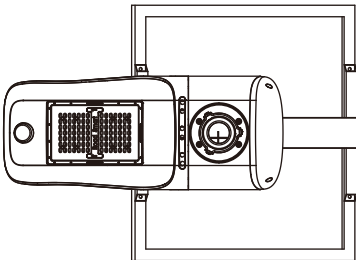
Beam Angle: X-axis: 158° Y-axis: 62°

■ Bat wing lens with polarized light



05

Dimension



06

Parameter

■ Technical parameter

	Type	WN - 30	WN - 40	WN - 50	WN - 60	WN - 70
Panel	Power	100W/18V	120W/18V	150W/18V	100W*2pcs/18V	120W*2pcs/18V
	Material	Mono crystalline silicon	Mono crystalline silicon	Mono crystalline silicon	Mono crystalline silicon	Mono crystalline silicon
	Solar cell efficiency	19-20%	19-20%	19-20%	19-20%	19-20%
Lithium battery	Capacity	380WH	460WH	610WH	690WH	880WH
	Charge cycle times	2000 times	2000 times	2000 times	2000 times	2000 times
Lamp head	Luminous flux	5800-6100lm	7500-7700lm	9100-9300lm	10000-11000lm	11000-12000lm
	Light output	30W	40W	50W	60W	70W
	LED qty	150pcs				
	LED chip	Bridgelux				
	Color temperature	3000-6000K				
	CRI	≥70Ra				
	Material of lamp head	Aluminum alloy				
	Elevation angle	17° (attention to Dialux use)				
System	Lifespan	50000hrs				
	Light control voltage	5V				
	Light distribution	Batwing lens with polarized light				
	Beam angle	X-axis: 158° Y-axis: 62°				
	Lighting time(full charged)	3-4 rainy days				
Installation	Operation temperature	-20°C~60°C				
	Top diameter of pole	80mm				
	Mounting height	7-12m				
	Installation spacing	20-40m				

07

Application



Highway



Pathway



Village road



School



Parking lots



Factory



Resort

