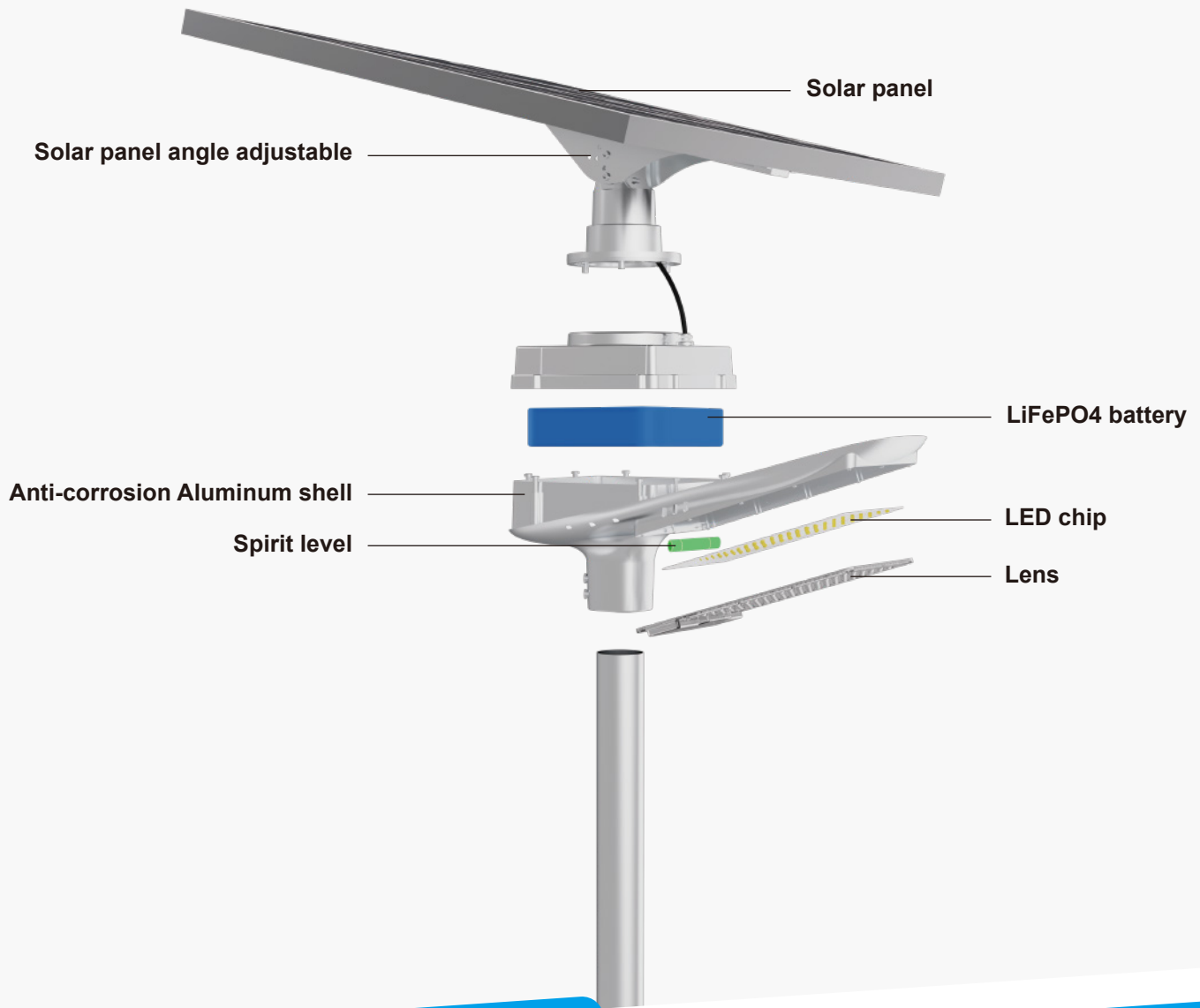


SOLAR SAILING LIGHT SERIES

Solar Sailing Light II



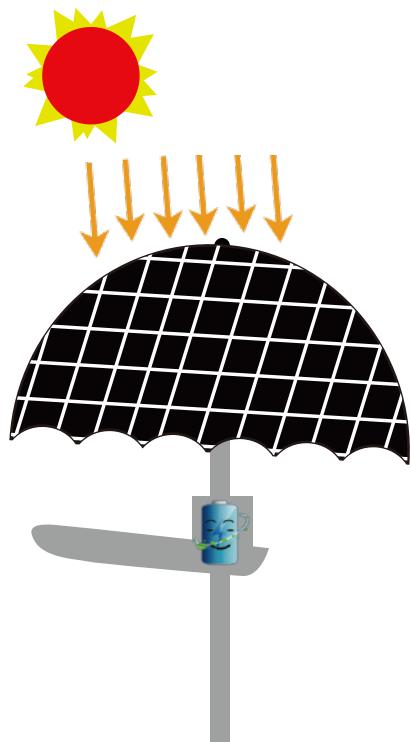


Unique Structure Design

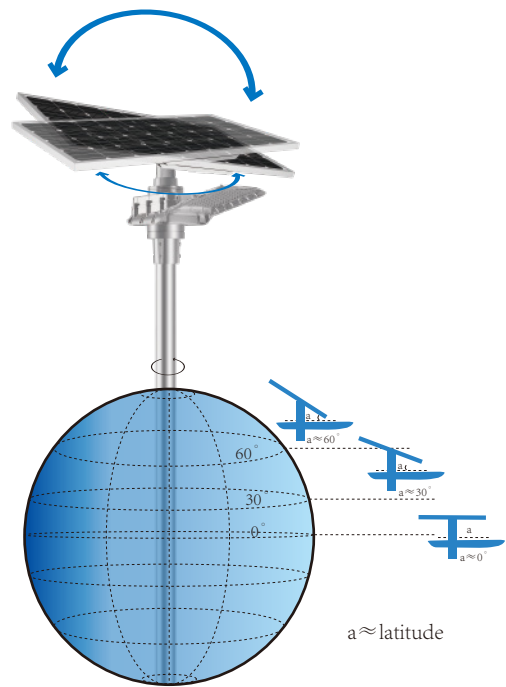


Solar Sailing Light II

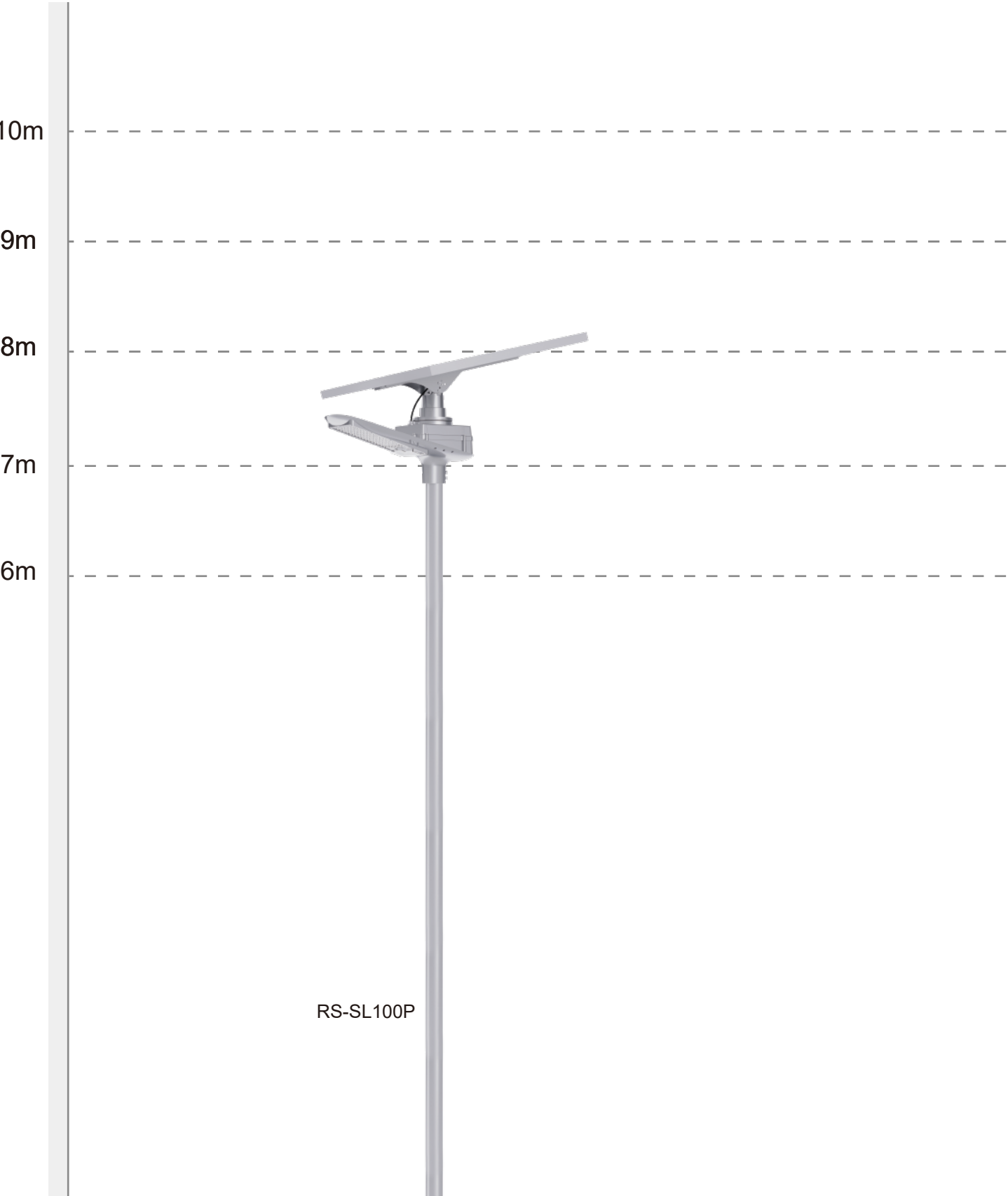
Solar panel looks like an umbrella to protect battery from high temperature and extend the lifetime. Perfectly solve heat dissipation.



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

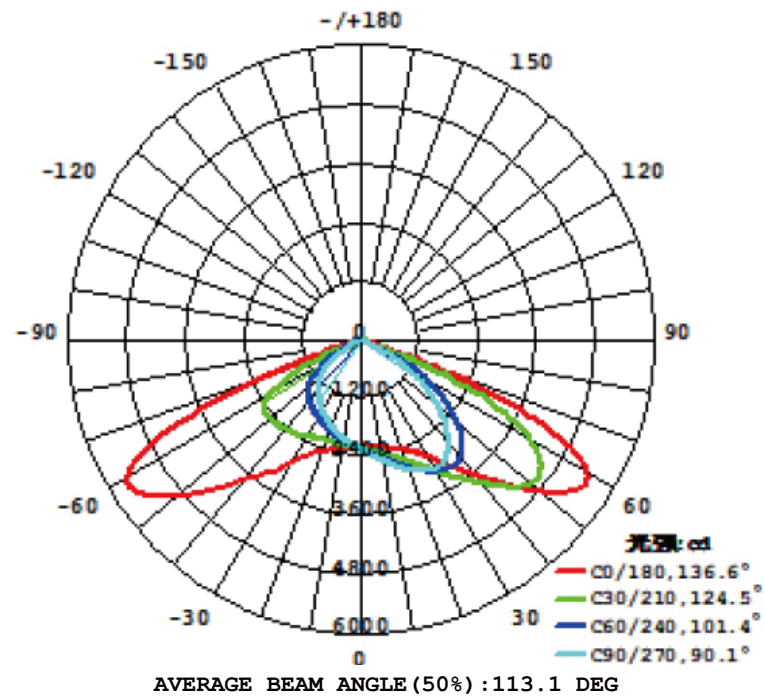


Light Post Installation Height Recommendation Diagram (Solar Sailing Light II)



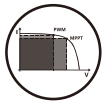
RS-SL100P

Luminous intensity distribution curves



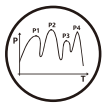
Solar Sailing Light II

Core Technologies



MPPT Technology

MPPT is an advanced charge mode whose full name is Maximum Power Point Tracking function which can increase the energy utilization rate by 15% to 20% than the PWM controller.



Multi-Peak MPPT

Road Smart new patent solar controller adopts multi-peak MPPT technology, which can timely track the maximum power point and improve the conversion efficiency of solar panels.



IPC 5.0 Technology

Through 10years' experience, Road Smart upgraded highly precise 5.0 version IPC technology (intelligent power control 5.0). It will intelligently detect recent weather conditions, reasonably plan the discharge power to achieve more rainy days.



Dual Low-power Consumption

4pins plug technology to enables transportation power consumption less than 0.05mA, and circuit protection technology to enables the sleep power consumption in long-term transportation of storage will be at uA level, realizing worry-free storage for two years.



ICD Technology (Intelligent Charge and Discharge)

Using Grade A LiFePO4 battery with excellent safety performance. Road Smart's unique current equalization and dual protection (software and hardware) enable the battery's capacity remains at 90% after 2000 cycles. Lifetime is 4 times longer than that of lead-acid batteries.



High Efficiency LED Chips

Using high efficiency 140pcs of 5050 LED chips, optimized brightness, single lumen value>190lm/w, with the aluminum chip base makes excellent heat dissipation.



Battery Program Upgraded

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

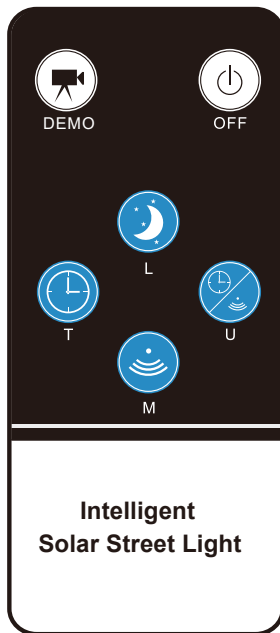


Intelligent Power Control

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

Remote Control

6 working modes



DEMO: No matter day or night, light "on" for 1 minute. 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%-3hrs, 50%-3hrs, 30%-2hrs:



M: At night, 100%-3hrs, 50%-3hrs



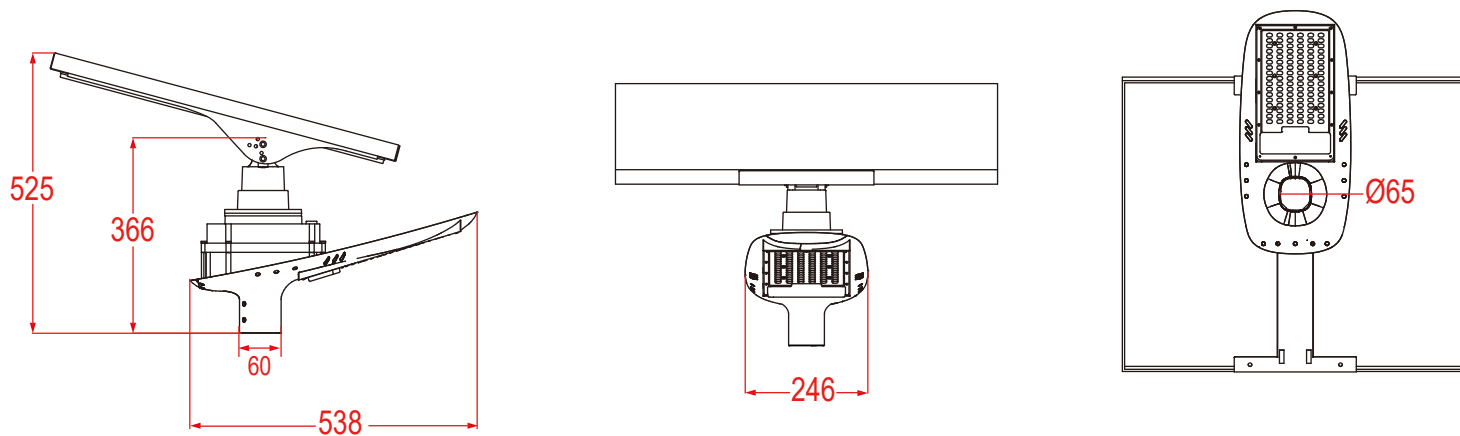
U: At night, 100%-3hrs, 50%-3hrs(Highlight mode)

- 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.
4. U Highlight mode: Increase 30% on the original basis, mean 3H-130%, 3H-80%.

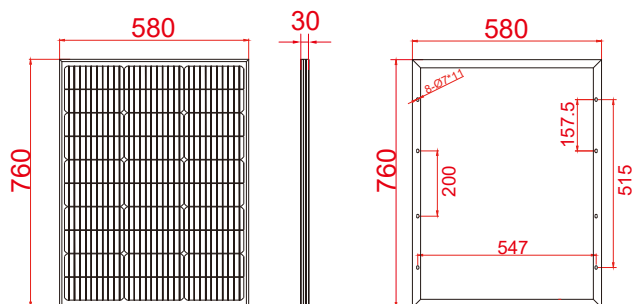
Product Dimension

Lamp Holder Size

Solar Sailing Light II



Solar panels



80W

Parameter

Technical parameter

Type			RS-SL100P	
Lamp head				
Light output			30W	
LED chip	140pcs(3030)			
Luminous flux			4800-5100lm	
Beam angle	155°*55°			
Lifespan	50000hrs			
IP Rating	IP65			
Working temperature	-20℃~60℃ （Charge above 0℃）			
Color temperature	3000-7500K			
CRI	Ra≥70			
SOLAR PANEL				
Power	80W			
Voltage	18V			
Solar cell efficiency	19%-22%			
Material	Monocrystalline silicon			
BATTERY				
Capacity			256WH	
Lighting time(full charged)	5-7 rainy days			
Lithium battery	LiFePO4			
INSTALLATION				
Top diameter of pole	60 mm			
Mounting height			6-8M	
Installation spacing	20-40M			

Packing

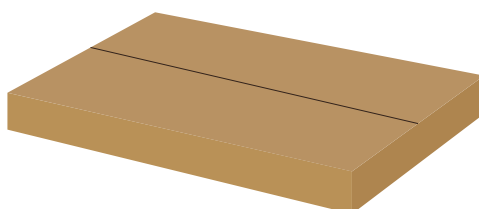
Type		Qty/ctn	Box Size(L*W*H)	Gross Weight
RS-SL100P	Lamp body	2pcs/ctn	680*410*280mm	17.7
	80W panel	2pcs/ctn	840*666*80mm	9.6

The packaging as shown below is for reference only, the actual packaging is subject to the specific product.



(Solar Sailing Light II)

Lamp body packing



Solar panel packing(80W)

Application



