



# SOLAR STAR LIGHT - ST3

Come from nature ,Light up the future

- LUMEN: 10000LM to 15000LM



# Integrated Structure Design



## Product Advantage





# Core Technologies



## Professional light distribution design

Equipped with patented lens to make the irradiation area more uniform.



## Rotating angle design

The illumination area and angle of light can be adjusted reasonably according to the width of the road.



## Intelligent high-efficiency lamp chips

280pcs of 3030 lamp chips, optimized brightness, the whole lighting efficiency is greater than 160lm/w.



## Patented appearance

Integrated design of solar panel, microcomputer controller, lithium battery and high-efficiency LED light source.



## Modular design

Modular design of battery and LED chip, transportation, installation and maintenance are more economical and simple.



## Indicator lights of battery capacity

Indicator lights of battery capacity display the power of the lamp obviously, which is convenient to observe the charging and discharging of the lamp.



## Intelligent charge and discharge management

Double protection of charging and discharging by software and hardware, and intelligent equalization technology, cycle charging and discharging more than 2000 times.



## The fourth generation of intelligent power control

Upgraded intelligent power control function to regulate reasonable discharge power according to intelligent judgment of recent weather conditions, support longer lighting time and more rainy days.



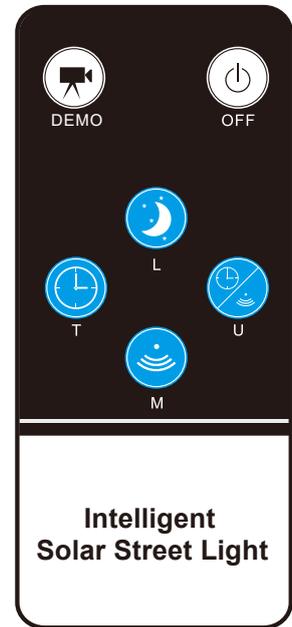
## Proprietary control system

Road Smart self-developed solar controller can adjust different working modes freely, unique control system with more functions, stability is more stronger; Option of microwave induction function to save power and have longer lighting time.

# Remote Control

6 working modes

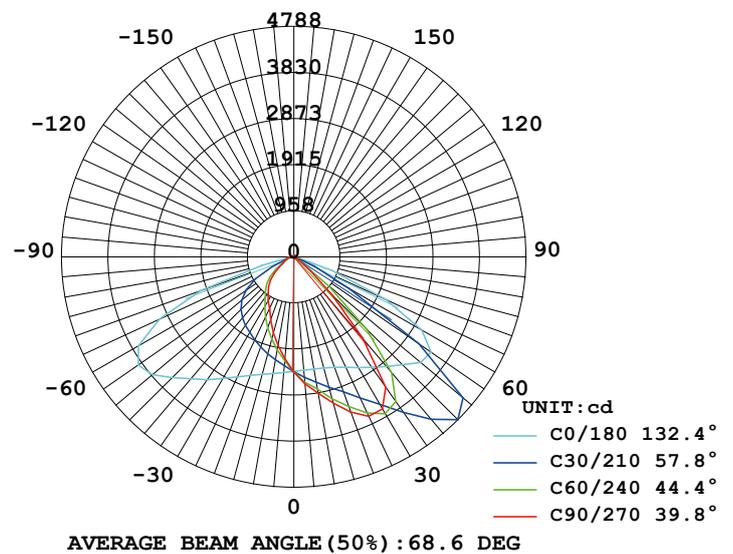
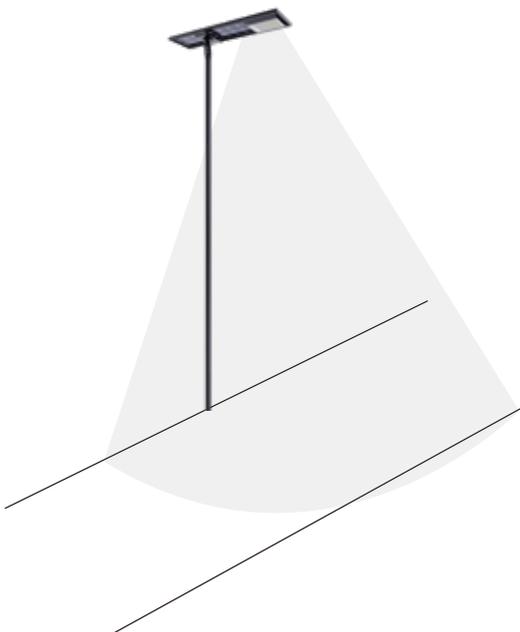
-  DEMO: No matter day or night, light "on" for 1 minute. Only for test use.
-  OFF: Light "off", no matter day or night.
-  L: At night, 100%-2hrs, 70%-2hrs, 30%-dawn.
-  T: At night, 100%-1hr, 70%-2hrs, 40%-3hrs.
-  M: At night, 50%-1hr, 100%-3hrs, 30%-dawn.
-  U: 100%-1hr, 70%-3hrs, 50% light when people come, 20% standby after 20 seconds.



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

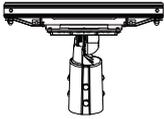
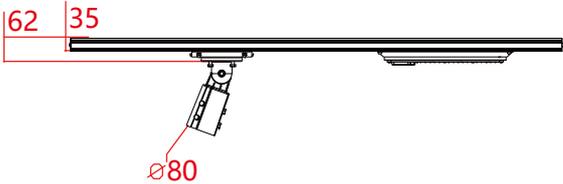
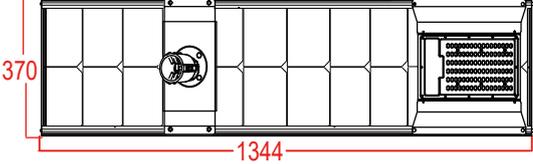
## Light Distribution

Luminous intensity distribution curves.

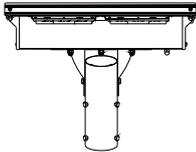
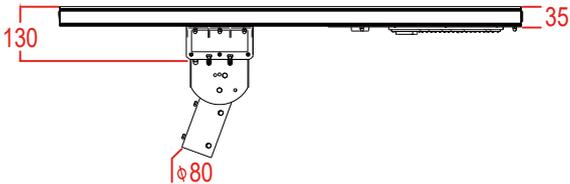
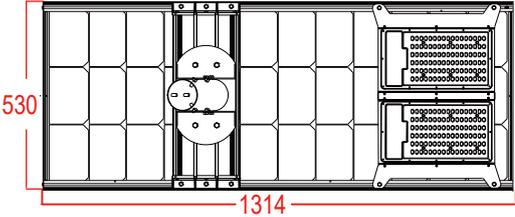


# Dimension

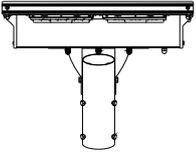
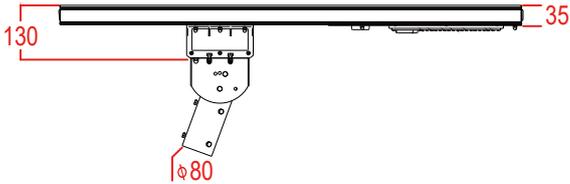
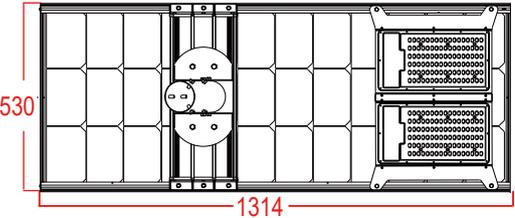
## ST3-60



## ST3-80



## ST3-100



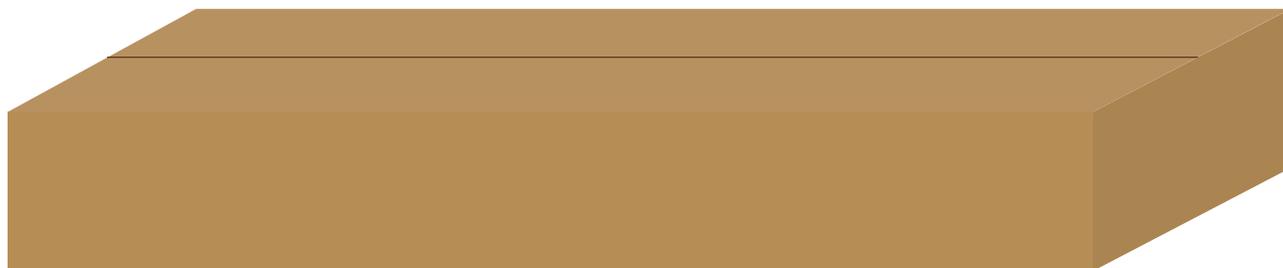
# Parameter

Type	ST3-60	ST3-80	ST3 -100
<b>Lamp head</b>			
LED chip	140pcs	280pcs	280pcs
Luminous flux	10000lm	13000lm	15000lm
Beam angle	160°*60°		
Lifespan	50000hrs		
IP Rating	IP65		
Working temperature	-20°C~60°C (Charge above 0°C)		
Color temperature	3000-7500K		
CRI	Ra≥70		
<b>SOLAR PANEL</b>			
Power	80W+16W	110W+22W	110W+22W
Voltage	18V		
Solar cell efficiency	19%-22%		
Material	Monocrystalline silicon		
<b>BATTERY</b>			
Capacity	512WH/160AH	640WH/200AH	768WH/240AH
Lighting time(full charged)	5-7 rainy days		
Lithium battery	LiFePO4		
<b>INSTALLATION</b>			
Top diameter of pole	76 mm		
Mounting height	7-8M	9-10M	8-10M
Installation spacing	20-40M		

# Packing

Type	Qty/ctn	Box Size(L*W*H)	Gross Weight	
ST3-60	Lamp body+panel	1set/ctn	1390*420*200mm	19.86kg
ST3-80	Lamp body+panel	1set/ctn	1360*575*200mm	27.52kg
ST3-100	Lamp body+panel	1set/ctn	1360*575*200mm	28.55kg

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



----- 1set/ctn(ST3-60) -----



----- 1set/ctn(ST3-80/100) -----

# Application

