



Solar Star Light - II

- Panels Power: 60W - 160W
- Lumen: 5000LM - 20000LM



Integrated Structure Design



ST2-30



ST2-40



ST2-60



ST2-80



ST2-100



ST2-160

Lamp post installation height recommendation diagram



Advantage





Hollow shell design
Timely heat dissipation, extend lifetime

Indicator lights of battery
Display power of lamp obviously

Mono solar panel
22% efficiency

Anti-corrosion
Aluminum shell

280pcs of high efficiency LED chips
Batwing lens with professional light
distribution

OEM Logo

Built-in motion sensor function
Saving power, lighting time longer

Rotating holder, fit different
angle's installation

Hollow shell design

Timely heat dissipation, extend lifetime



Core Technologies



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



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



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



Intelligent high-efficiency lamp chips

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



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



Professional light distribution design

Equipped with patented lens to make the irradiation area more uniform



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



Rotating angle design

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

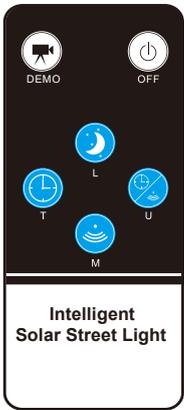
Remote Control

ST2-30/ST2-40

-  **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%-3hr, 50%-3hrs, 30%-2hrs
-  **M:** At night, 100% light when people come, 20% standby after 20 seconds
-  **U:** At night, 100%-3hrs, 50%-3hrs(Highlight mode)

ST2-60/ST2-80/ST2-100/ST2-160

-  **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.

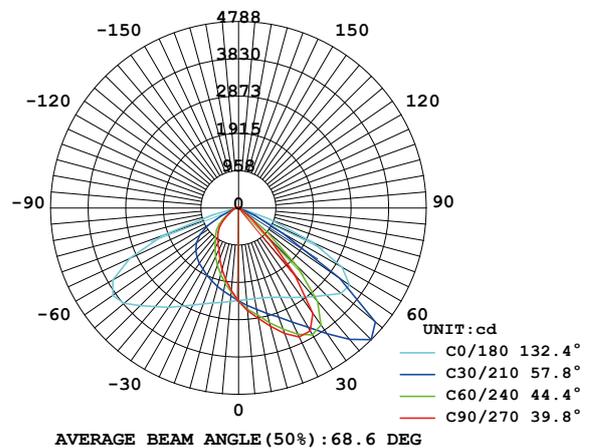
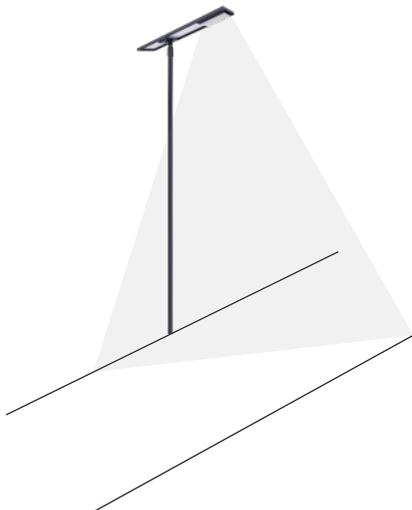


Note:

1. Default is L mode, once a certain mode was set successfully, it will be reserved until you change other modes with remote control.
2. U Highlight mode: Increase 30% on the original basis, mean 3H-130%, 3H-80%.

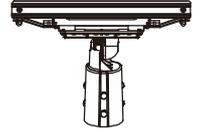
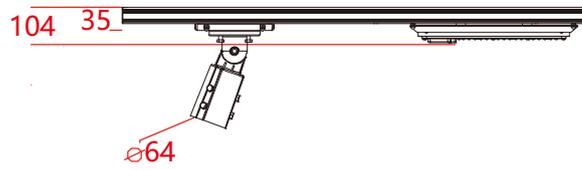
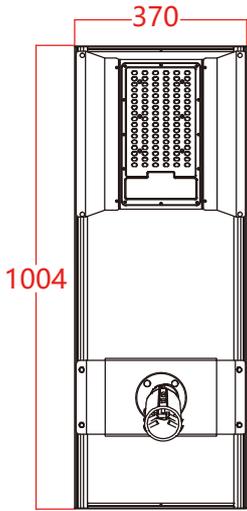
Light Distribution

Luminous intensity distribution curves.

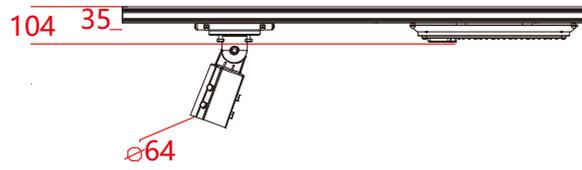
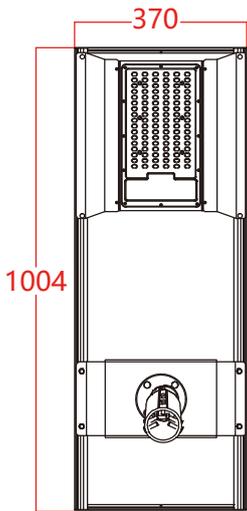


Dimension

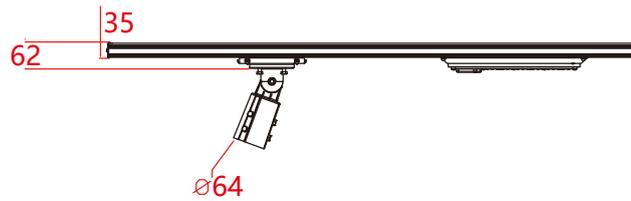
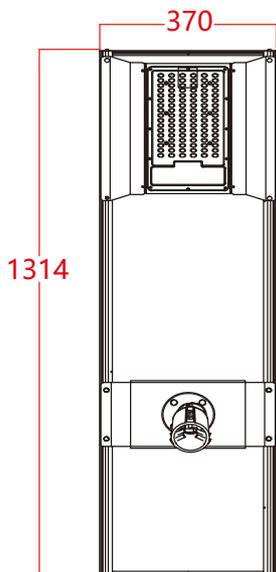
ST2-30



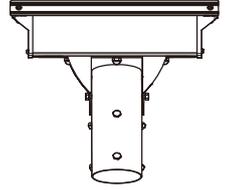
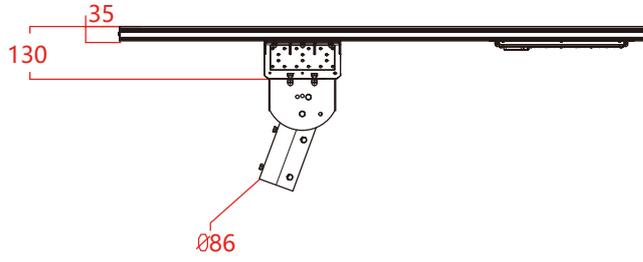
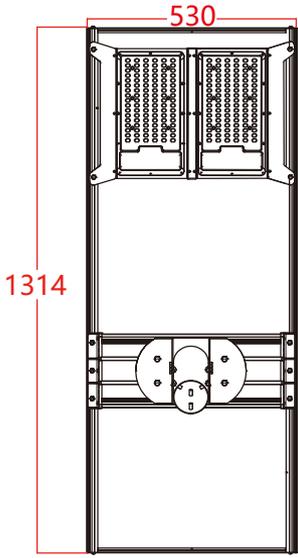
ST2-40



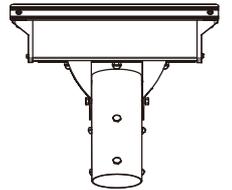
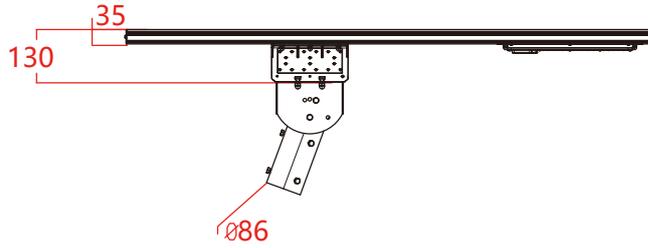
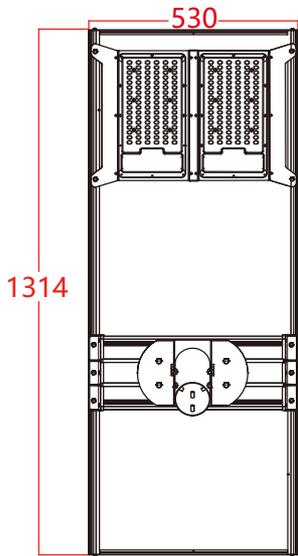
ST2-60



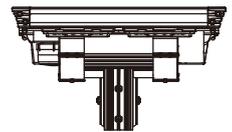
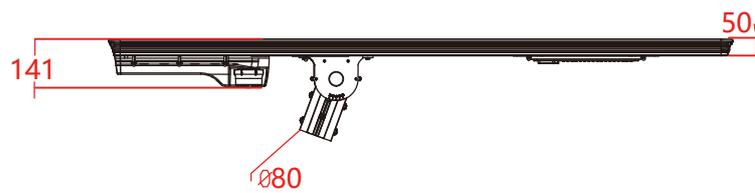
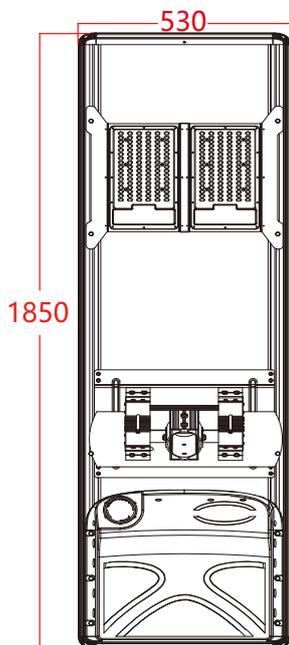
ST2-80



ST2-100



ST2-160



Parameter

Type	ST2-30	ST2-40	ST2-60	ST2-80	ST2-100	ST2-160
Lamp head						
LED chip	140pcs			280pcs	280pcs	280pcs(5050)
Luminous flux	5000lm	6000lm	10000lm	13000lm	15000lm	20000lm
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					
SOLAR PANEL						
Power	60W/5V	60W/5V	80W/18V	110W/18V	110W/18V	160W/18V
Voltage	5V		18V			
Solar cell efficiency	19%-22%					
Material	Monocrystalline silicon					
BATTERY						
Capacity	144WH/45AH	240WH/75AH	384WH/120AH	512WH/160AH	640WH/200AH	896WH/280AH
Lighting time(full charged)	5-7 rainy days					
Lithium battery	LiFePO4					
INSTALLATION						
Top diameter of pole	58 mm	58 mm	58 mm	76 mm	76 mm	76 mm
Mounting height	5-6M	6-7M	6-8M	8-10M	8-10M	10-12M
Installation spacing	20-40M					

Packing

	Type	Qty/ctn	Box Size(L*W*H)	Gross Weight
ST2-30	Lamp body+panel	2sets/ctn	1060*420*235mm	18.92kg
ST2-40	Lamp body+panel	2sets/ctn	1060*420*235mm	22.72kg
ST2-60	Lamp body+panel	2sets/ctn	1360*420*235mm	28.1kg
ST2-80	Lamp body+panel	1set/ctn	1360*575*200mm	26.46kg
ST2-100	Lamp body+panel	1set/ctn	1360*575*200mm	26.46kg

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



----- 2sets/ctn(ST2-30) -----



2set/ctn(ST2-60)

Application

