

# Solar Star Light - II

Come from nature, Light up the future



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



# 01 Integrated Structure Design

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ST2-30



ST2-40



ST2-60



ST2-80



ST2-100



ST2-160

# 01 Integrated Structure Design

Lamp post installation height recommendation diagram



# 02 Advantage



# 02 Advantage



## Hollow shell design

Timely heat dissipation, extend lifetime



# 03 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

# 04 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.

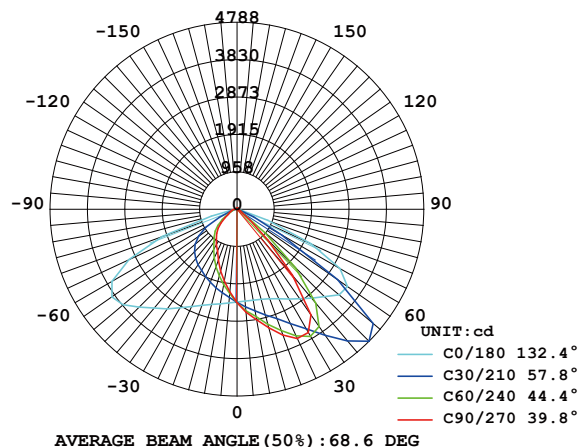
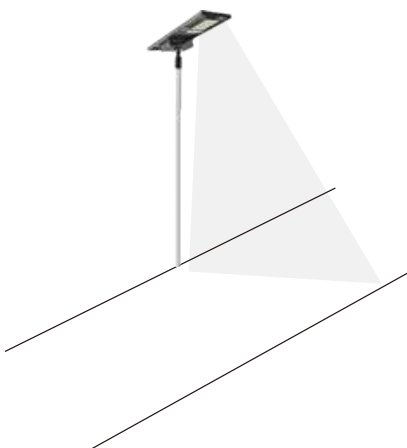


**Note:**

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%.

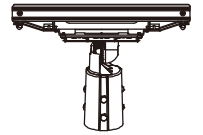
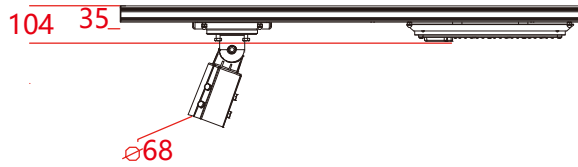
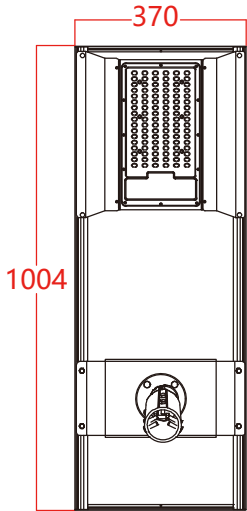
# 05 Light Distribution

Luminous intensity distribution curves.

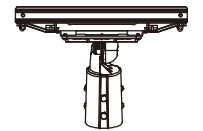
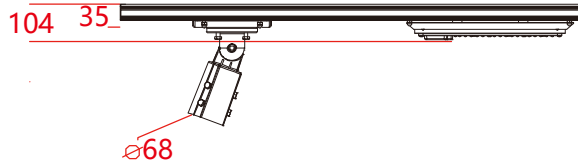
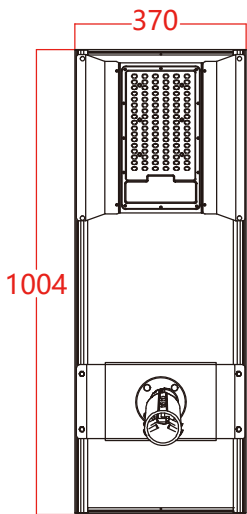


# 06 Dimension

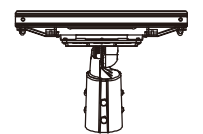
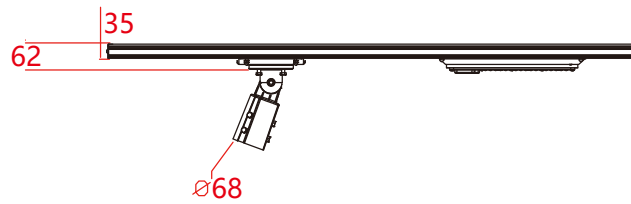
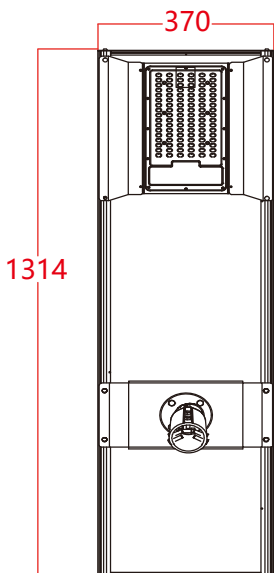
ST2-30



ST2-40

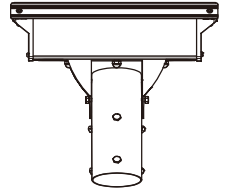
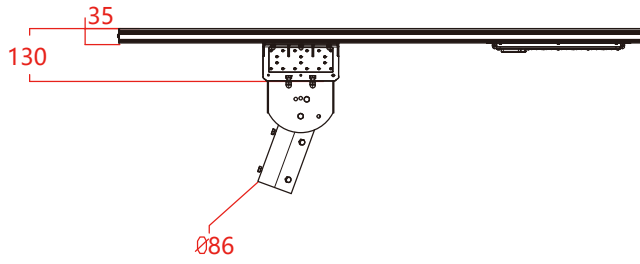
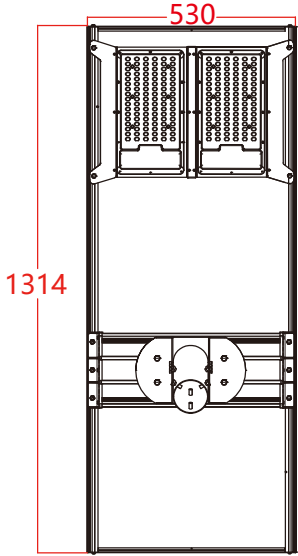


ST2-60

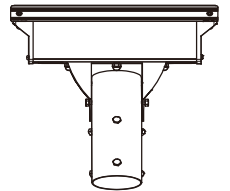
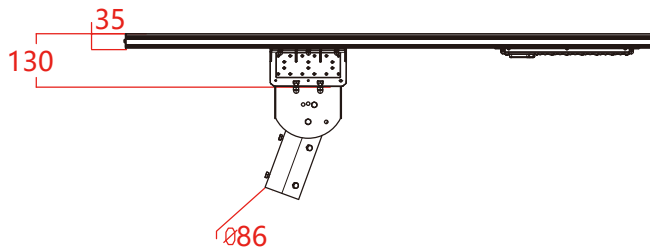
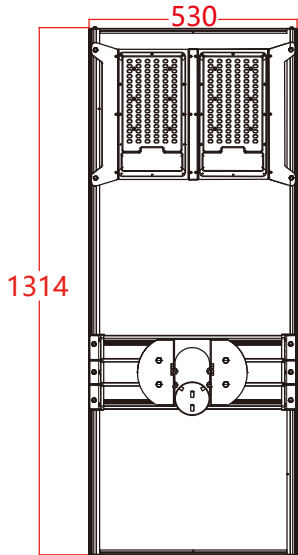


# 06 Dimension

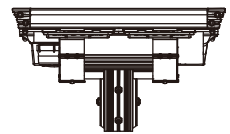
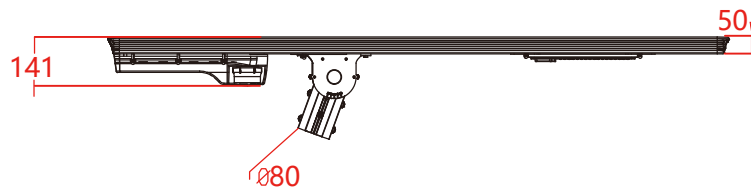
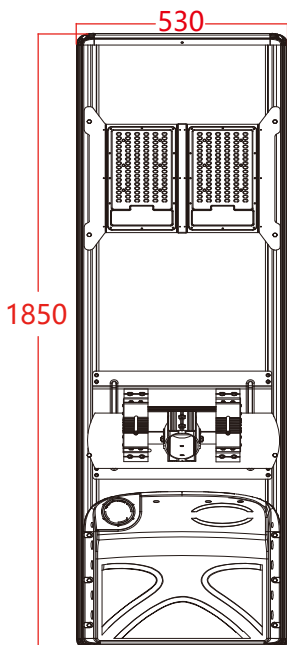
ST2-80



ST2-100



ST2-160



# 07 Parameter

Type	ST2-30	ST2-40	ST2-60	ST2-80	ST2-100	ST2-160
Solar panel	60W/5V	60W/5V	80W/18V	110W/18V	110W/18V	160W/18V
LiFePO4 battery	144WH	240WH	384WH	512WH	640WH	896WH
Charge cycle times	2000 times	2000 times	2000 times	2000 times	2000 times	2000 times
Luminous flux	5000LM	6000LM	10000LM	13000LM	15000LM	20000LM
LED qty	100pcs	100pcs	140pcs	280pcs	280pcs	280pcs
Lifespan of LED	50000 hrs					
Color temperature	3000-7500K					
Light distribution	Batwing lens with polarized light					
Lighting time	5-7 rainy days					
Beam angle	160°*60°					
Working temperature	-20°C~60°C					
Top diameter of pole	60mm	60mm	76mm	76mm	76mm	76mm
Mounting height	5-6m	6-7m	6-8m	8-10m	8-10m	10-12m
Installation spacing	20-40m					

## Maintenance & Finance

1. Maintenance and support for warranty period.
2. Warranty 3 years.
3. Financing available to qualified projects

# 08 Packing

Type		Qty/ctn	Box Size(L*W*H)	Gross Weight
ST2-30	Lamp body+panel	2sets/ctn	810*420*240mm	11.5
ST2-40	Lamp body+panel	1set/ctn	1015*380*155mm	13.86
ST2-60	Lamp body+panel	1set/ctn	1390*420*200mm	
ST2-80	Lamp body+panel	1set/ctn	1360*575*200mm	26.46
ST2-100	Lamp body+panel	1set/ctn	1360*575*200mm	27.52

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



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



1set/ctn(ST2-60)

# 09 Application



Infinix HOT 10