



Solar Star Light - II

- Panels Power: 60W - 260W
- Lumen: 6000LM - 25000LM



Integrated Structure Design



ST2-40



ST2-60



ST2-80



ST2-100



ST2-160



ST2-210



ST2-260

Lamp post installation height recommendation diagram





ST2-160
160W

ST2-210
210W

ST2-260
260W

Advantage



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

RoadSmart 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

140pcs of high efficiency LED 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









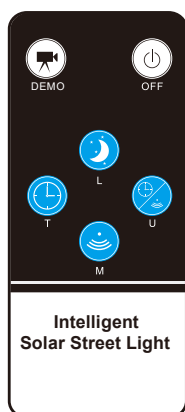
Rotating angle design

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

Remote Control

ST2-40







-  **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)



Note:

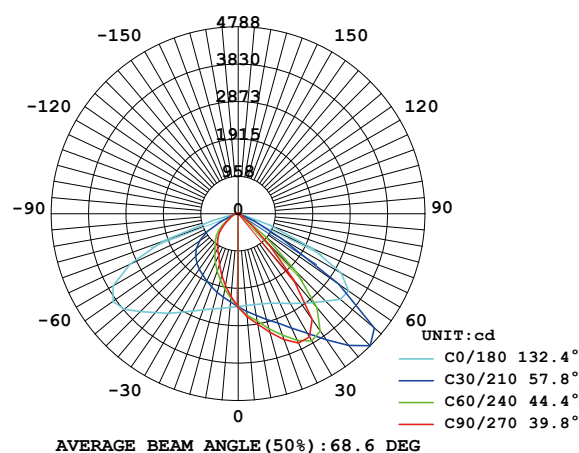
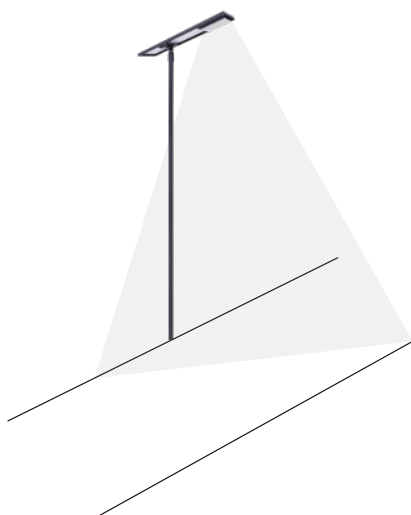
1. Default is L mode, once a certain mode was set successfully, it will be reserved until you change other modes with remote control.
2. U Highlight mode: Increase 30% on the original basis, mean 3H-130%, 3H-80%.

ST2-60/ST2-80/ST2-100/ST2-160 ST2-210/ST2-260




-  **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.

Light Distribution

Luminous intensity distribution curves.

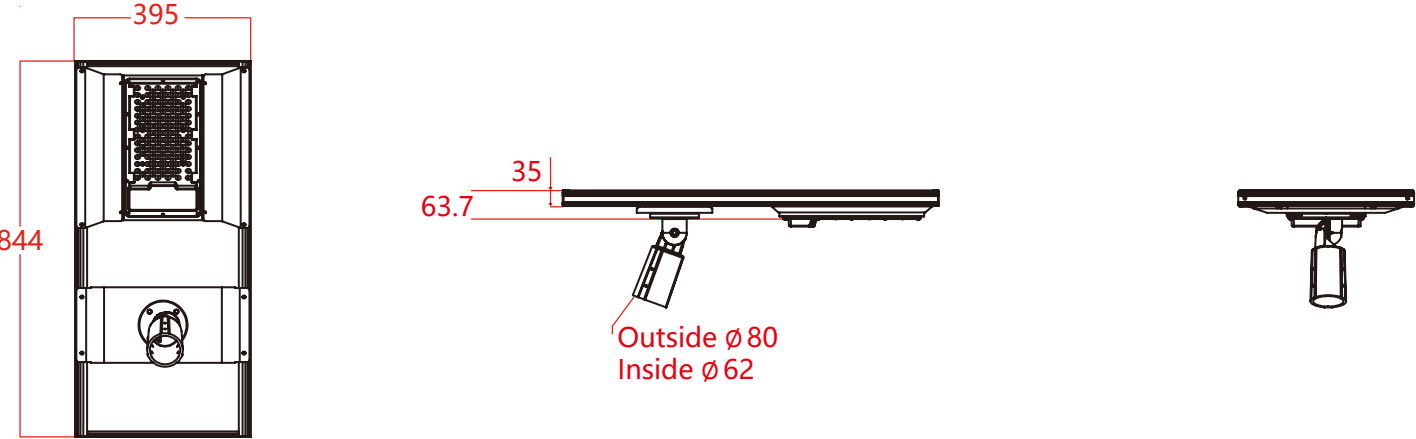


Indicator light status instructions

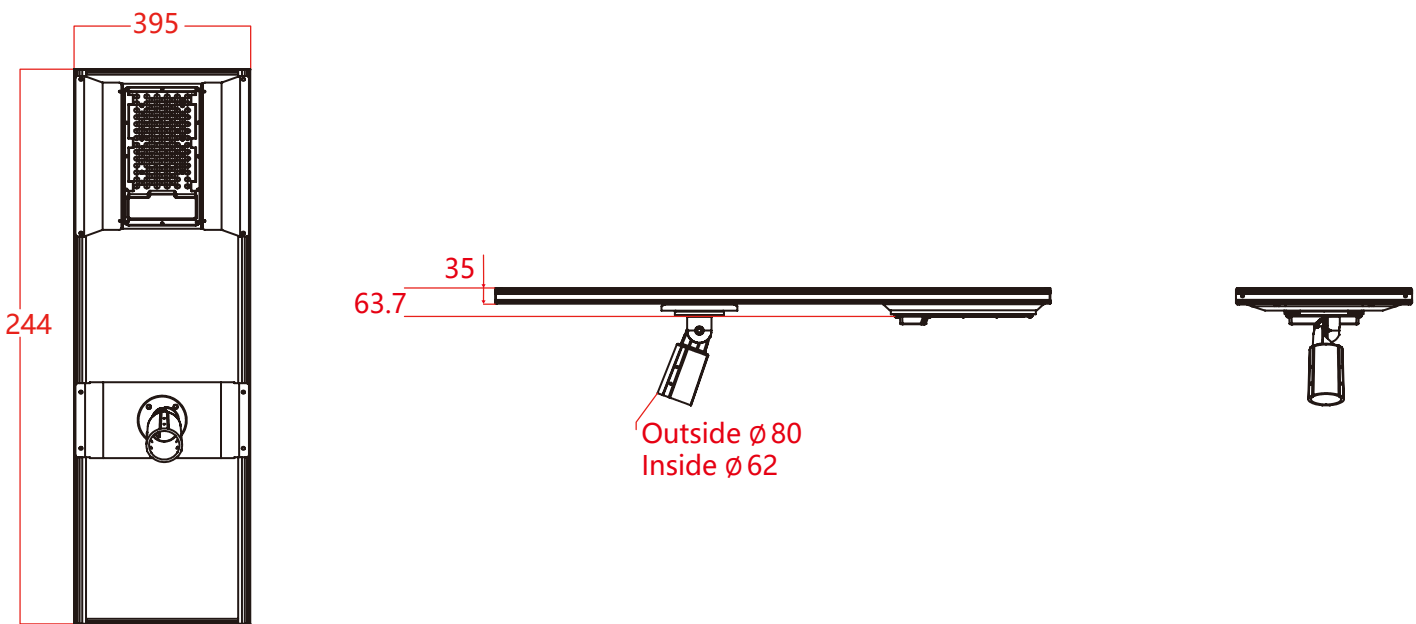
LED	Indications	Status	Functions
<div>● Blue</div> <div></div>	Charging indication	Long-term On	Be charging
		Long-term Off	Battery full charged
<div>● Red</div> <div></div>	Battery indication	Long-term On	Battery works normally
		Long-term Off	Battery is not connected/No power
		Fast twinkling	Battery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

Dimension

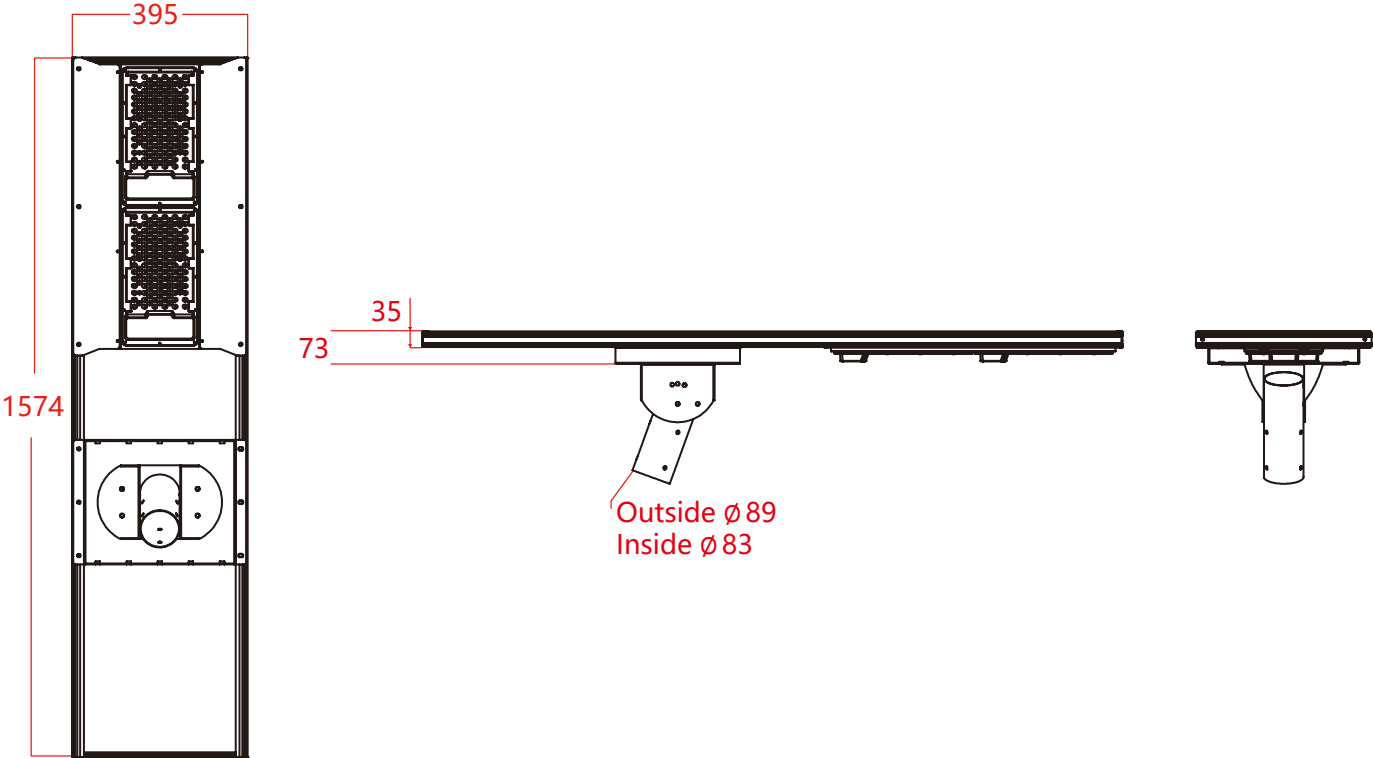
ST2-40



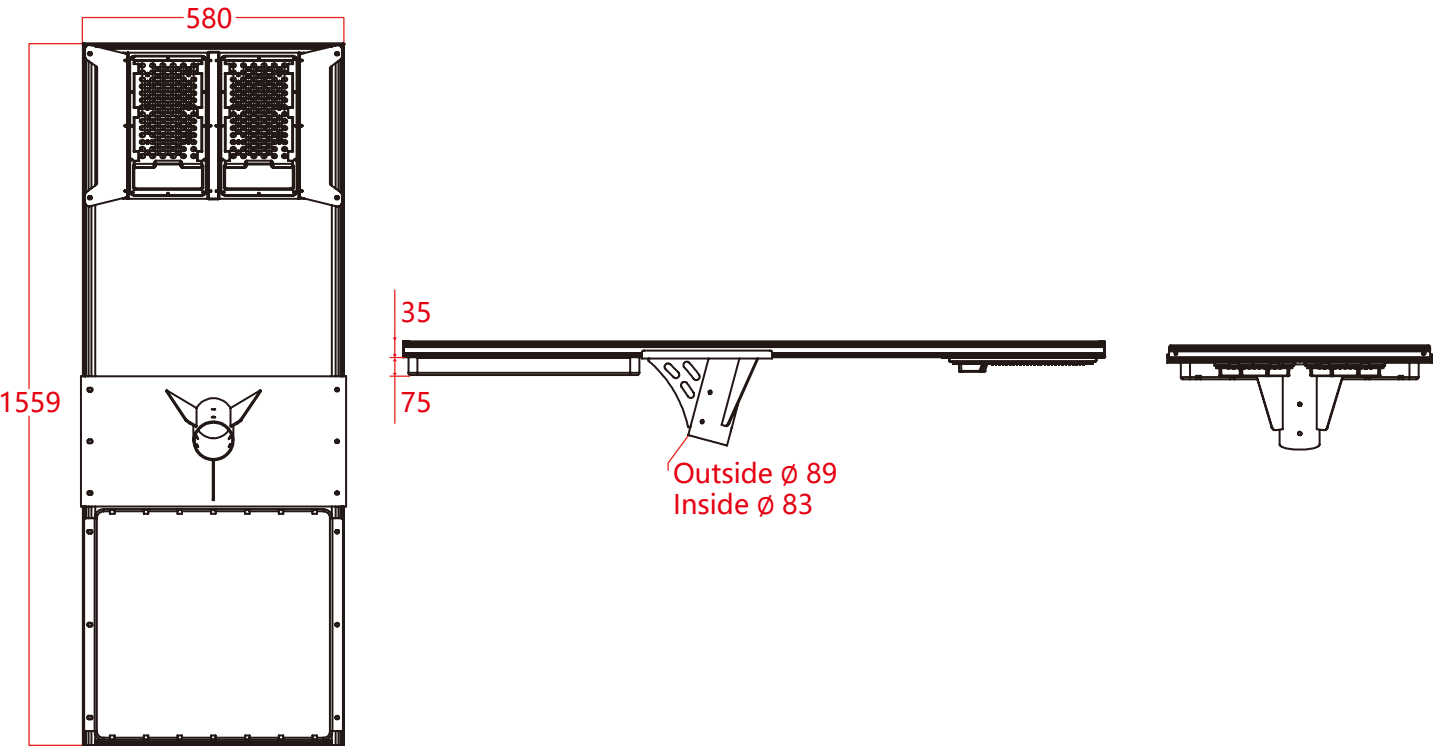
ST2-60



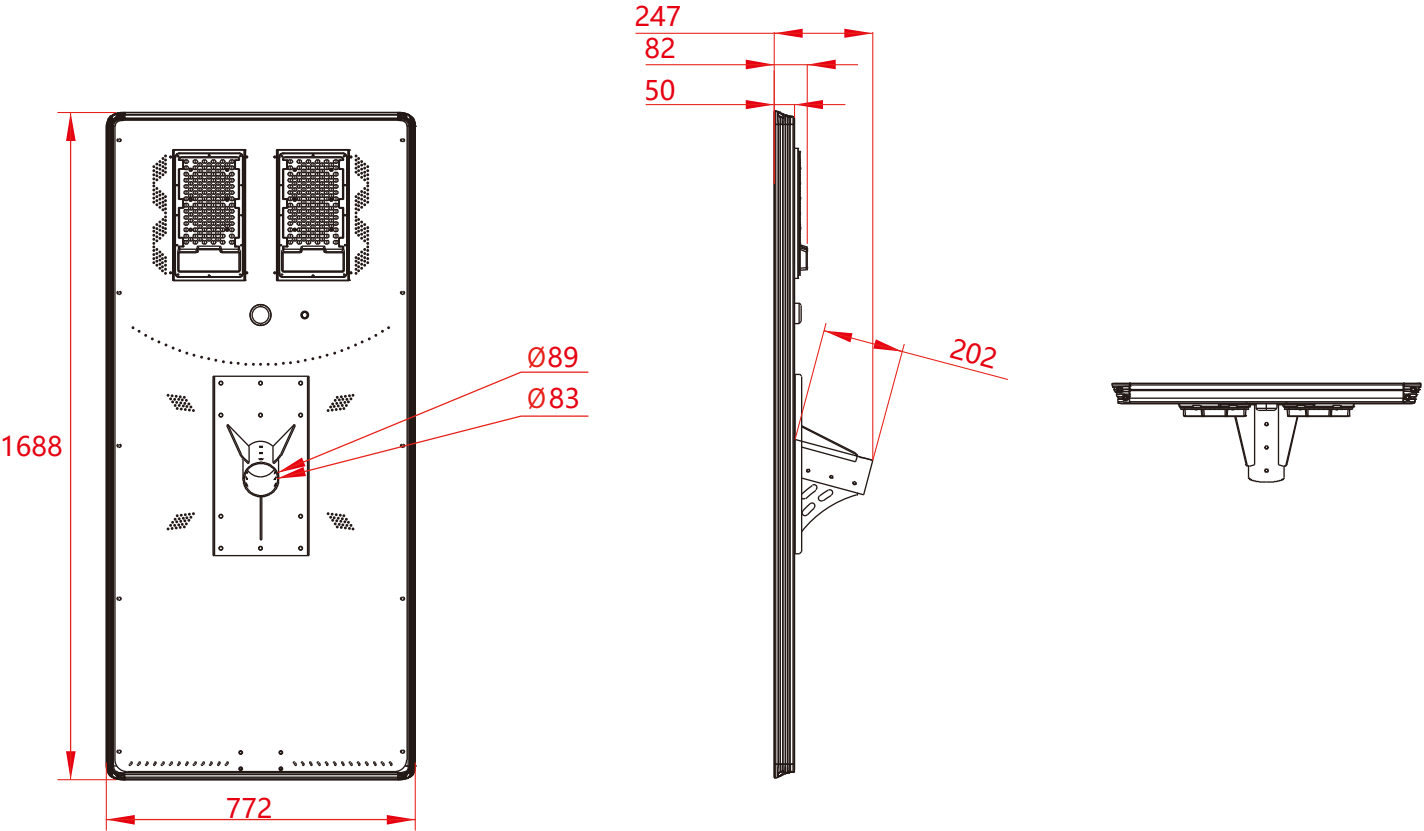
ST2-80/100



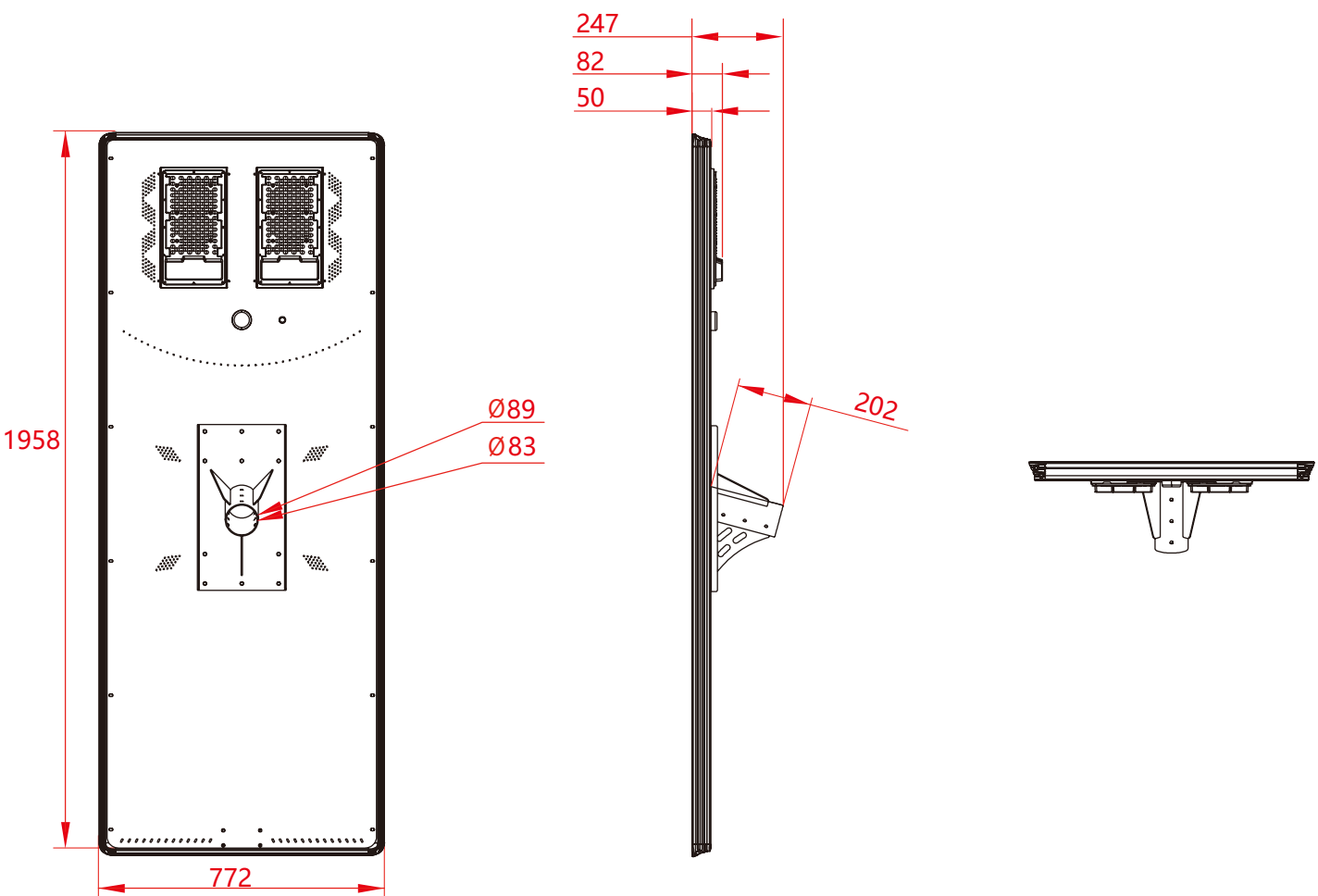
ST2-160



ST2-210

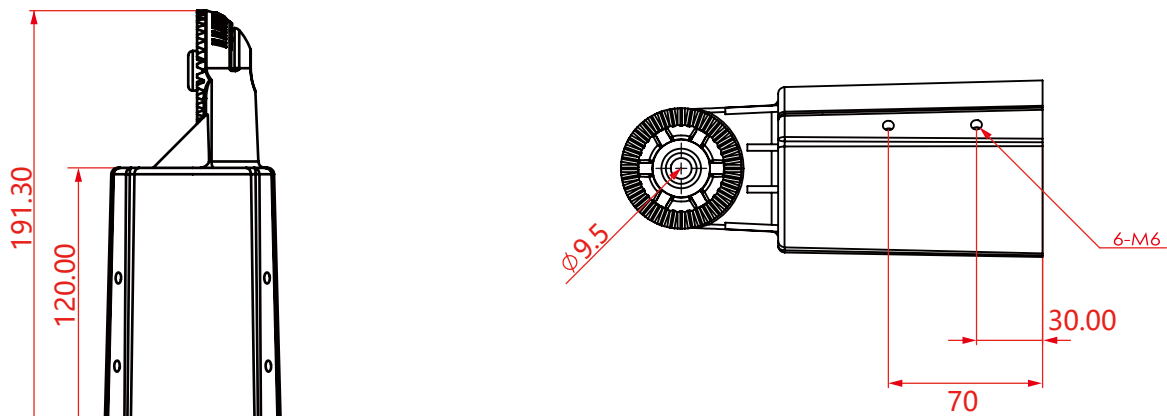


ST2-260

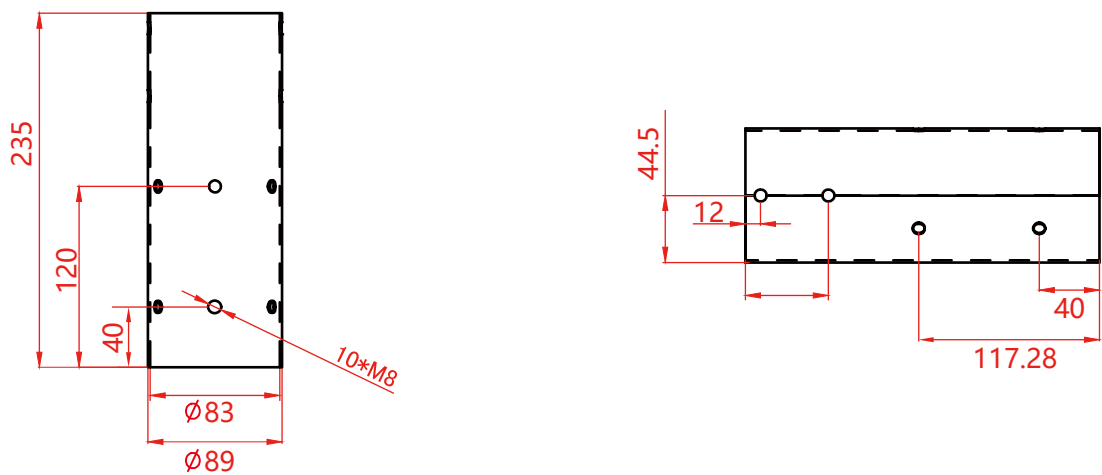


Sleeve depth

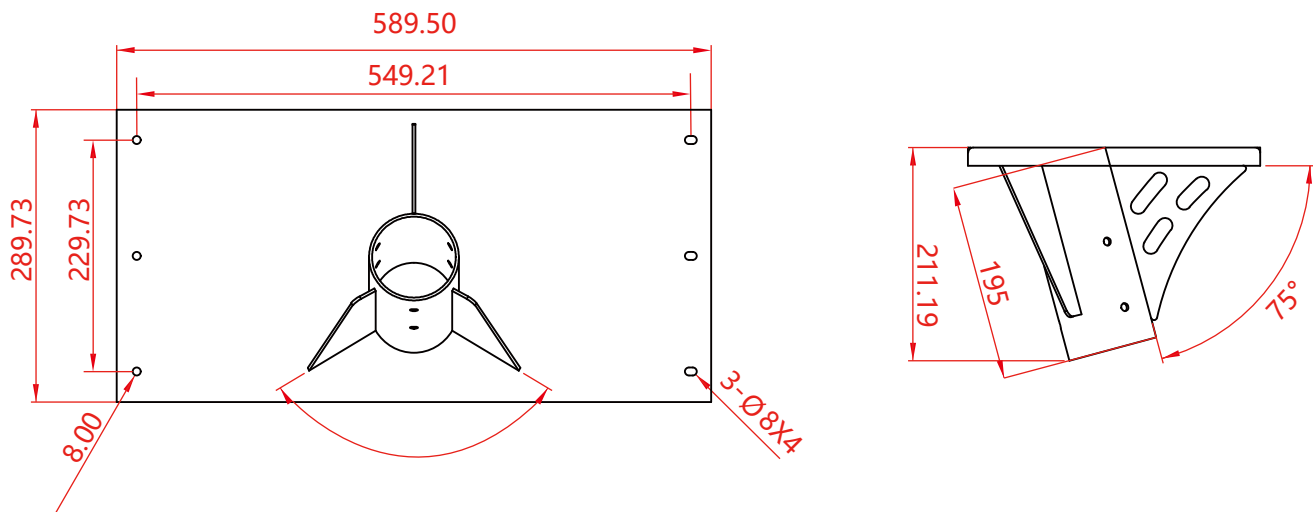
ST2-40/60

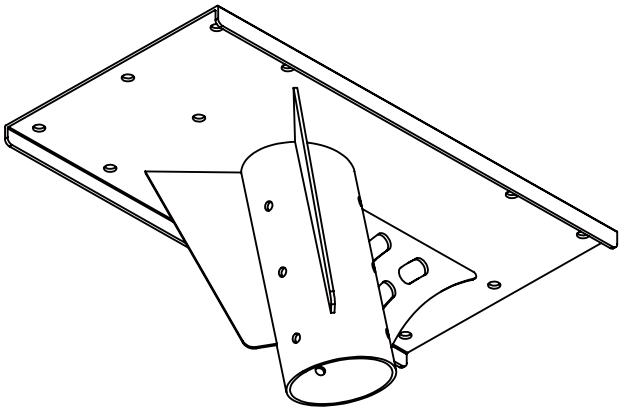
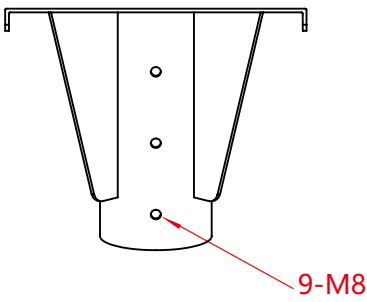
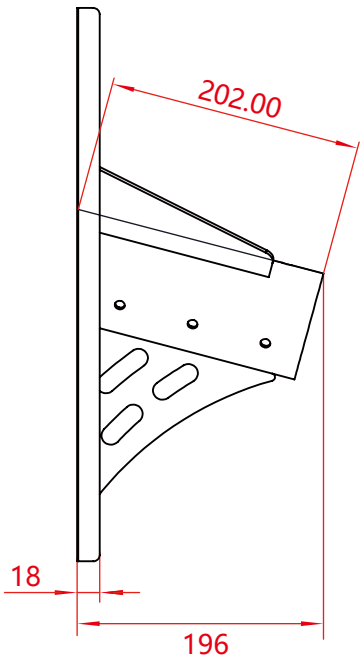
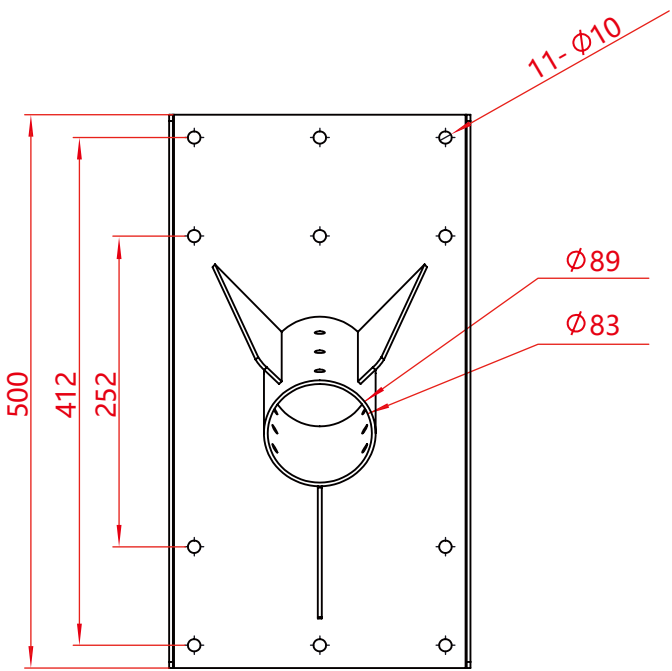


ST2-80/100



ST2-160





Parameter

Type	ST2-40	ST2-60	ST2-80
Lamp head			
LED chip	140pcs		280pcs
Luminous flux	6000lm	10000lm	13000lm
Beam angle	150*70°		
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	90W	110W
Voltage	18V		
Solar cell efficiency	19%-22%		
Material	Monocrystalline silicon		
BATTERY			
Capacity	240WH/75AH	384WH/120AH	576WH/180AH
Lighting time(full charged)	5-7 rainy days		
Lithium battery	LiFePO4		
INSTALLATION			
Top diameter of pole	60 mm		76 mm
Mounting height	6-7M	6-8M	8-10M
Installation spacing	20-40M		

Type	ST2-100	ST2-160	ST2-210	ST2-260
Lamp head				
LED chip	280pcs			
Luminous flux	15000lm	18000lm	21000lm	25000lm
Beam angle	150*70°			
Lifespan	50000hrs			
IP Rating	IP65			
Working temperature	-20℃~60℃（Charge above 0℃）			
Color temperature	3000-7500K			
CRI	Ra≥70			
SOLAR PANEL				
Power	110W	160W	210W	260W
Voltage	18V			
Solar cell efficiency	19%-22%			
Material	Monocrystalline silicon			
BATTERY				
Capacity	640WH/200AH	960WH/300AH	1536WH/480AH	1920WH/600AH
Lighting time(full charged)	5-7 rainy days			
Lithium battery	LiFePO4			
INSTALLATION				
Top diameter of pole	76 mm			
Mounting height	8-10M	10-12M	10-12M	10-15M
Installation spacing	20-40M			

Packing

Type		Qty/ctn	Box Size(L*W*H)	Gross Weight
ST2-40	Lamp body+panel	2sets/ctn	1060*420*235mm	22.70kg
ST2-60	Lamp body+Panel	2sets/ctn	1360*420*235mm	28.10kg
ST2-80/100	Lamp body+panel	1set/ctn	1150*630*110mm	20.02kg
ST2-160	Lamp body+panel	1set/ctn	1617*637*135mm	27.52kg

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



----- 2sets/ctn(ST2-40) -----



2set/ctn(ST2-60)

Application

