



# RSK SERIES

Panels Power: 42W - 120W

Lumen: 4000LM - 15000LM



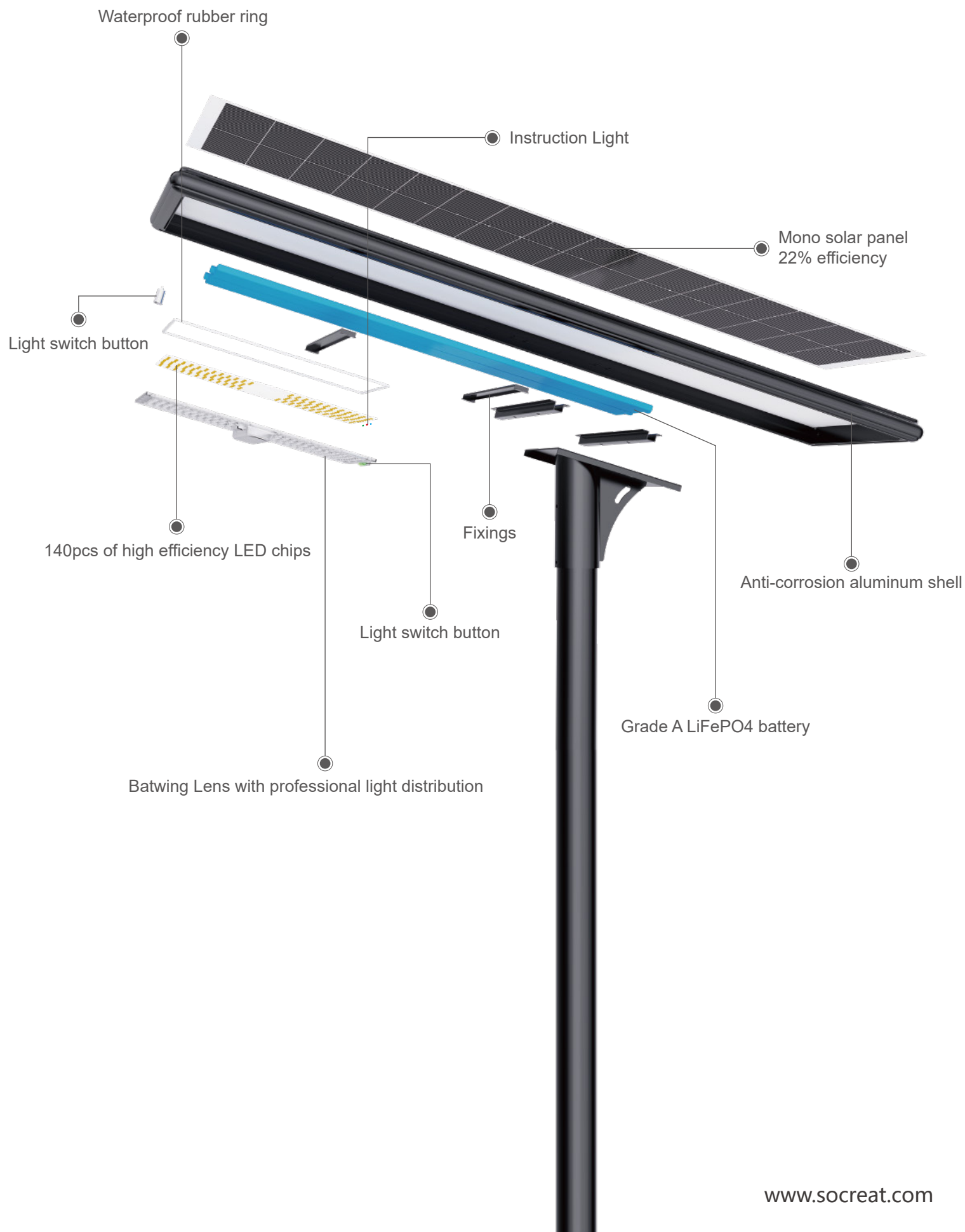
**Four models available**



Lamp post installation height recommendation diagram



## Advantage



## 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**

140 pcs 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**

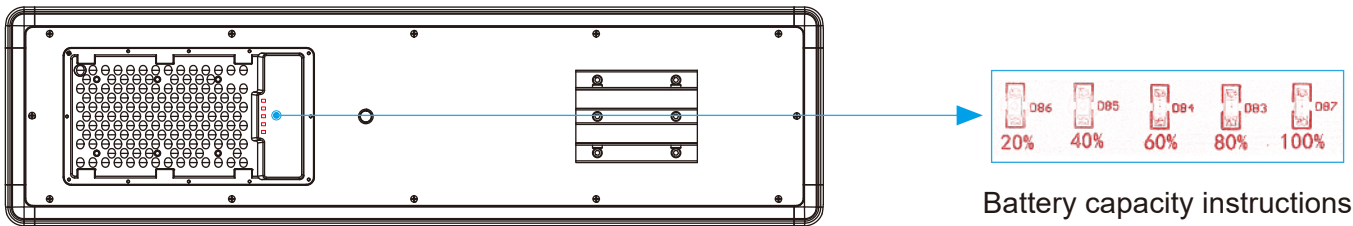
The illumination area and angle of light can be adjusted reasonably according to the width of the road

# Indicator light status instructions







RSK-60/80/120

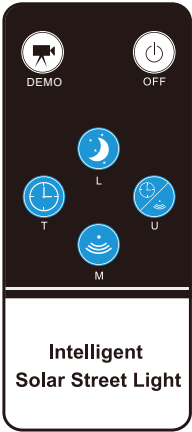
LED	Indications	Status	Functions
<div>● Blue</div> <div></div>	Charging indication	Long-term On	Be charging
		Long-term Off	Battery full charged
<div>● Red</div> <div></div>	Battery indication	Long-term On	Battery works normally
		Long-term Off	Battery is not connected/No power
		Fast twinkling	Battery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

RSK-40



## Remote Control

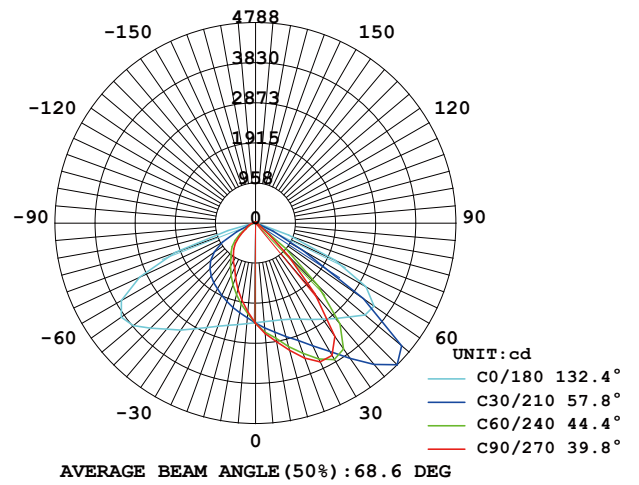
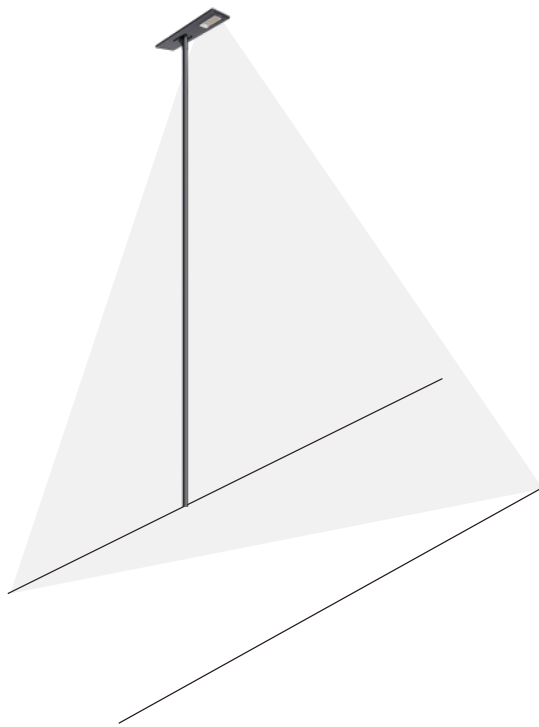
-  DEMO: No matter day or night, light "on" for 1 minute. Only for test use.
-  OFF: Light "off", no matter day or night.
-  L: 100%-2hrs, 70%-2hrs, 30%-dawn.
-  T: 3H-100%, 2H-50%, 6H-20%, 50% before dawn 1H.
-  M: 100% whole night (Output power reduce).
-  U: 3H-100%, 3H-50%



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

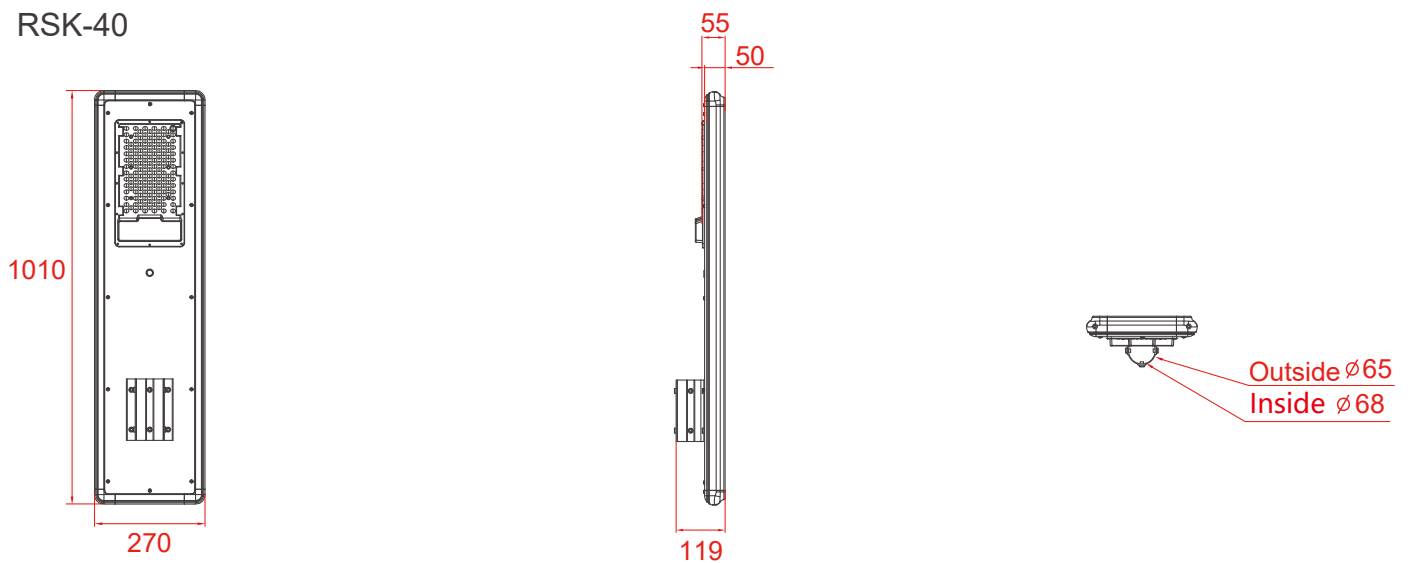
# Light Distribution

Luminous intensity distribution curves.

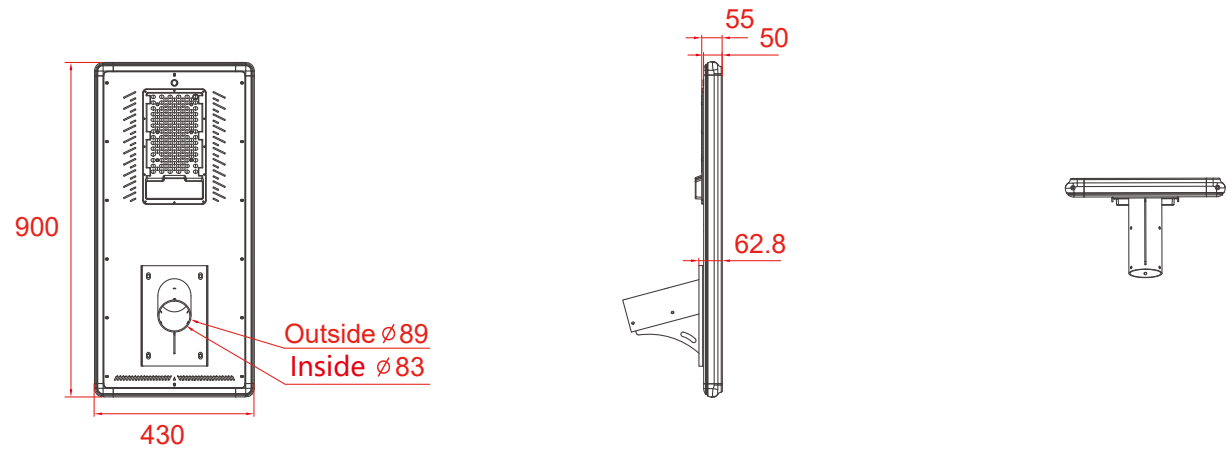


## Dimension

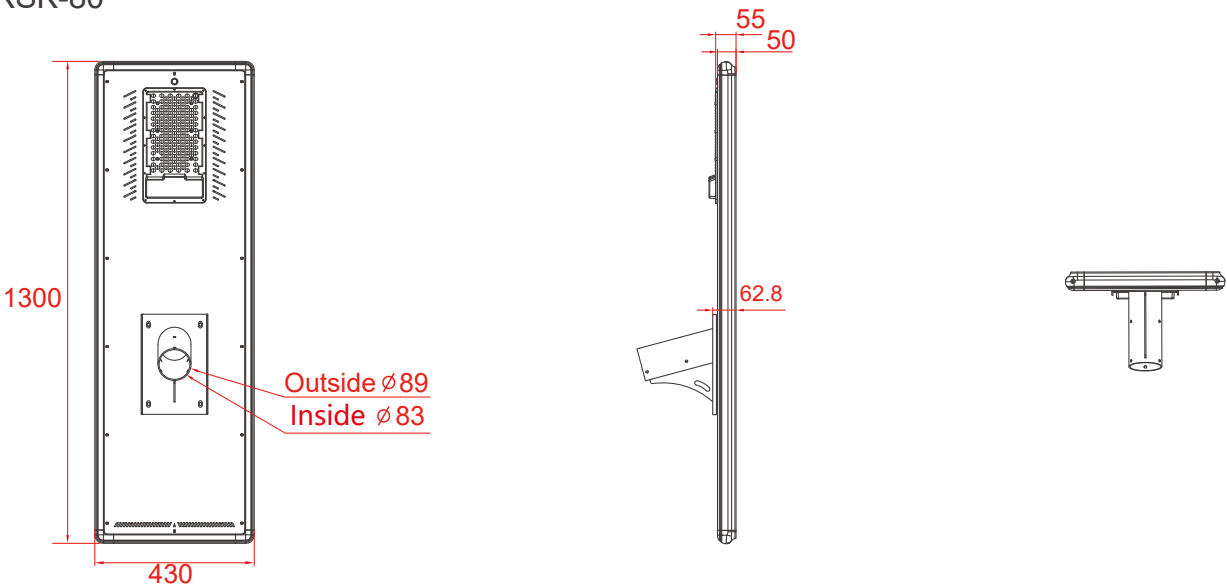
RSK-40



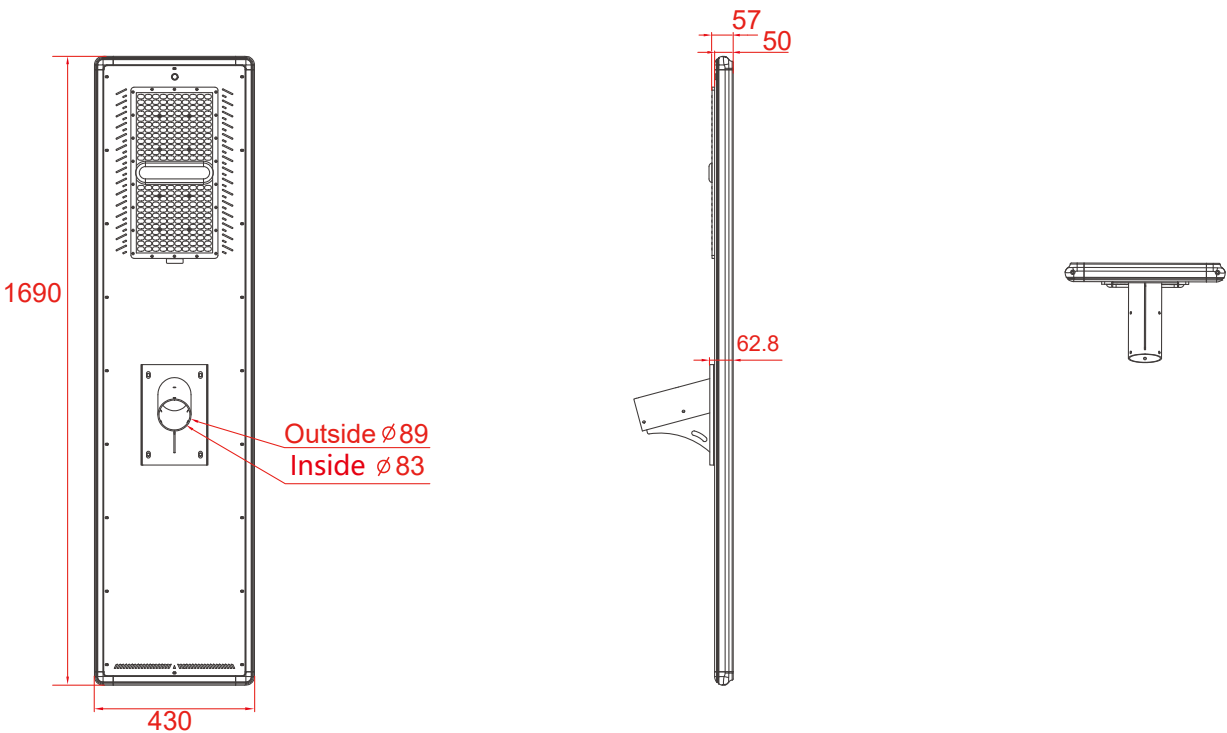
RSK-60



RSK-80



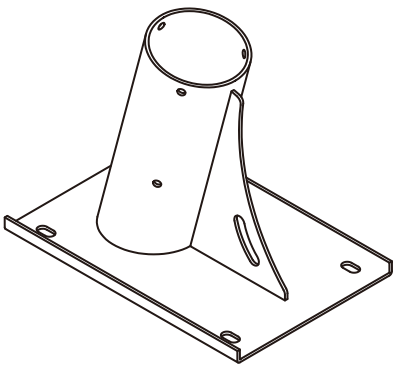
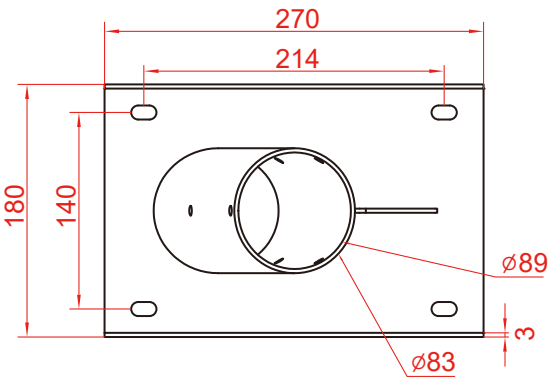
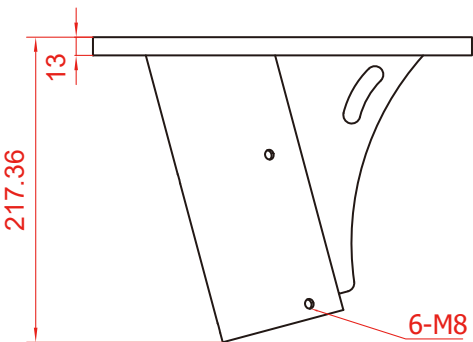
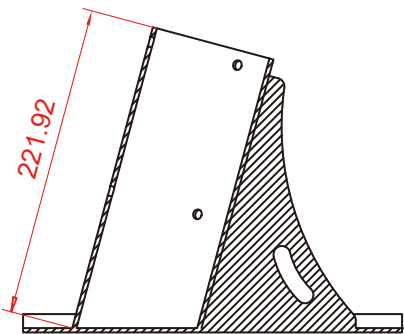
RSK-120



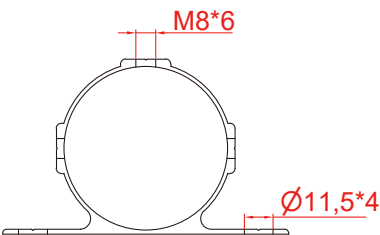
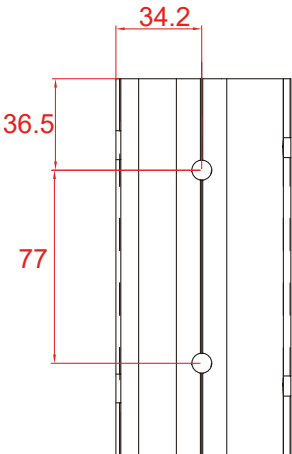
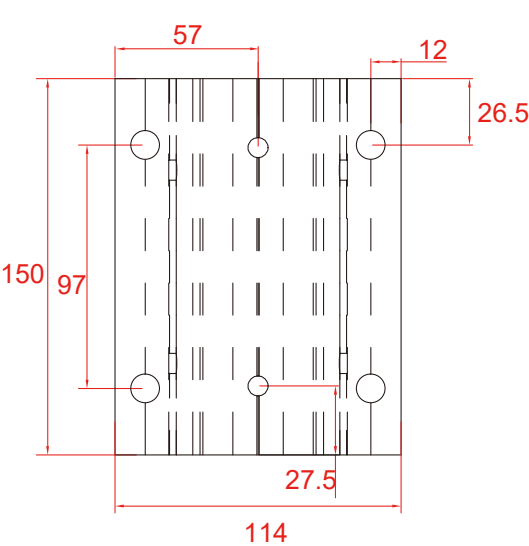


# Sleeve Depth

RSK-60/80/120



RSK-40



## Parameter

Type	RSK-40	RSK-60	RSK-80	RSK-120
Lamp head				
LED chip	140pcs			240pcs
Luminous flux	4000lm	6000lm	10000lm	15000lm
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	42W	60W	90W	120W
Voltage	6V	18V		
Solar cell efficiency	19%-22%			
Material	Monocrystalline silicon			
BATTERY				
Capacity	144WH/45AH	240WH/75AH	384WH/120AH	640WH/200AH
Lighting time(full charged)	5-7 rainy days			
Lithium battery	LiFePO4			
INSTALLATION				
Top diameter of pole	60mm	76mm		
Mounting height	4-6M	6-7M	6-8M	8-10M
Installation spacing	20-40M			