



RSK SERIES

Panels Power: 42W - 120W

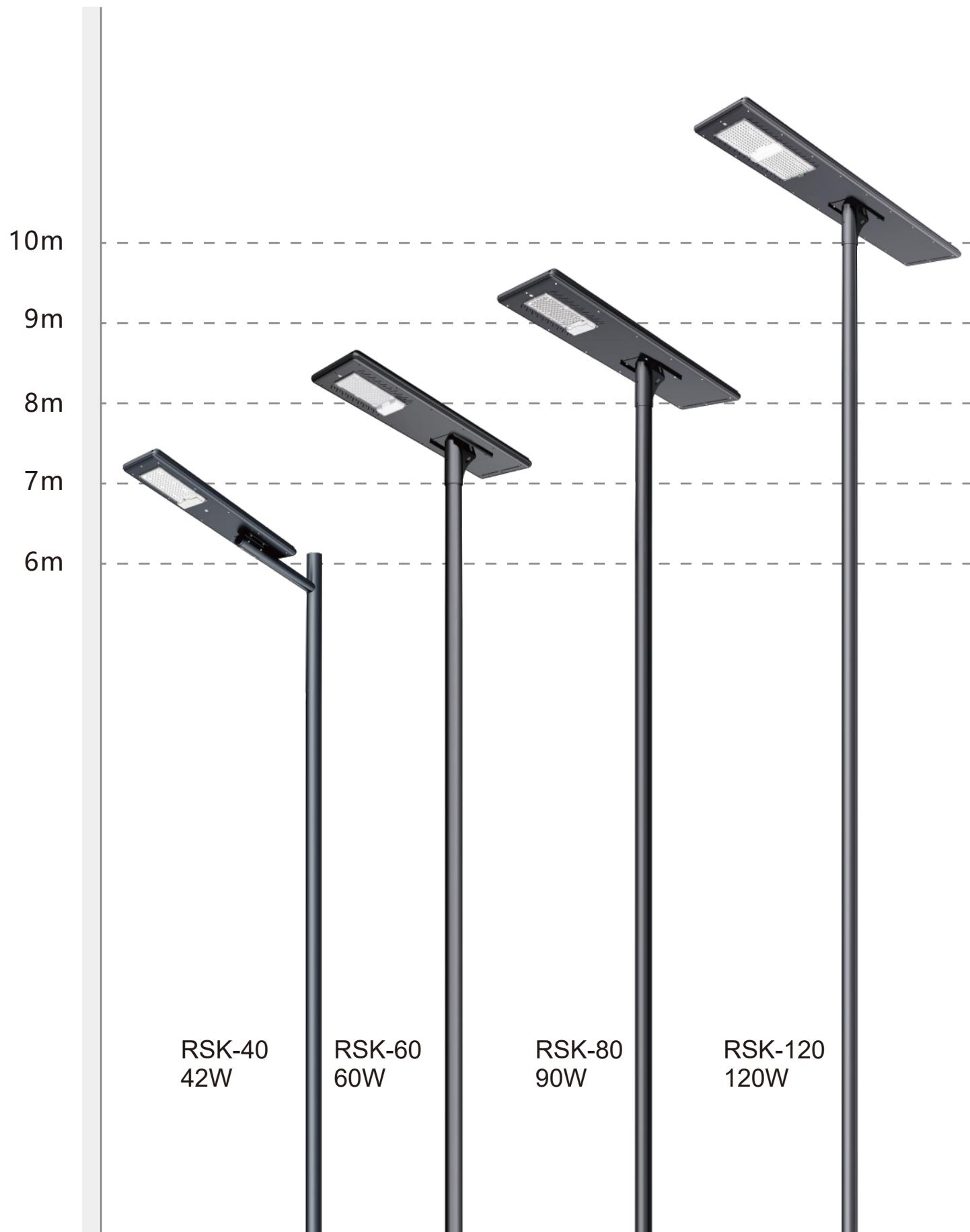
Lumen: 4000LM - 15000LM



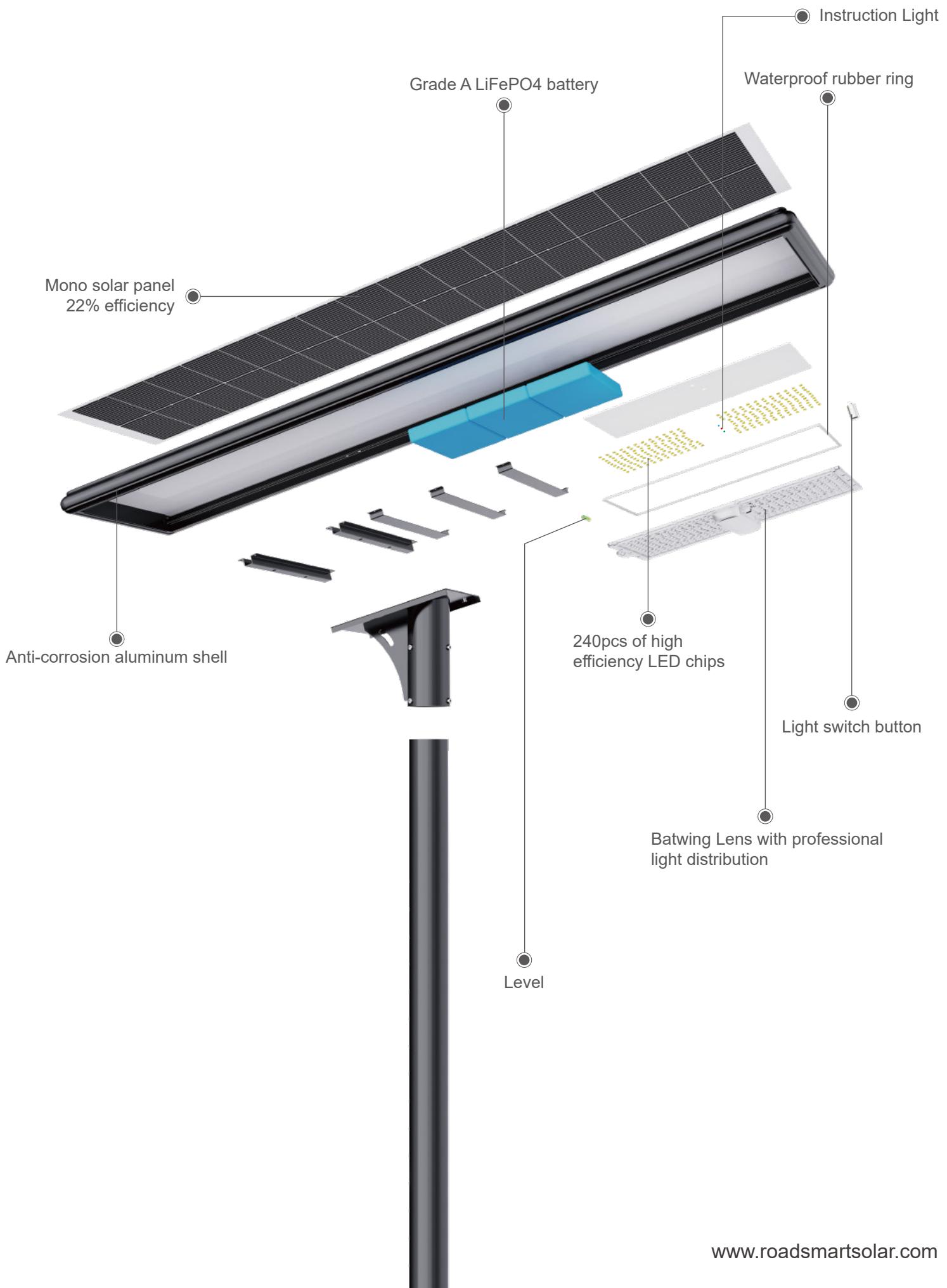
Four models available



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 regulator 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

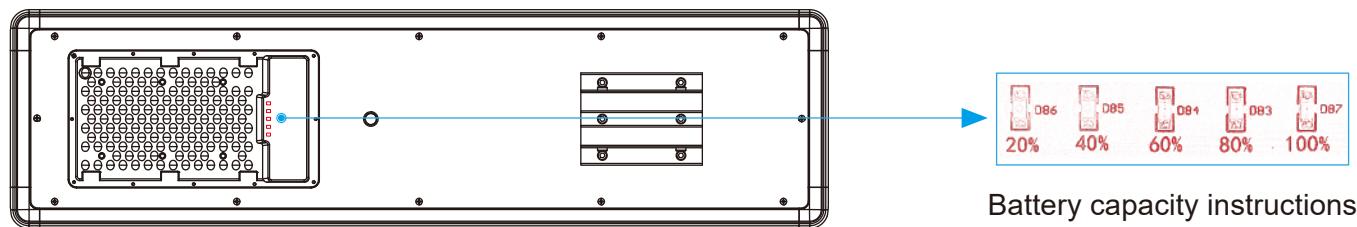
The illumination area and angle of light can be adjusted reasonably according to the width of the road

Indicator light status instructions

RSK-60/80/120

LED	Indications	Status	Functions
• Blue	Charging indication	Long-term on	During the day, it's not charging
		Slow twinkling	Battery full charged
		Long-term off	Night
• Red	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
• Green	Load indication	Long-term on	Load is on
		Long-term off	Load is off

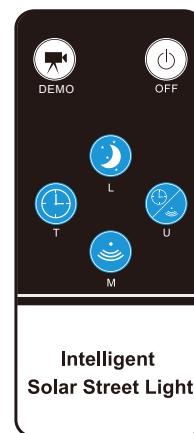
RSK-40



Battery capacity instructions

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%

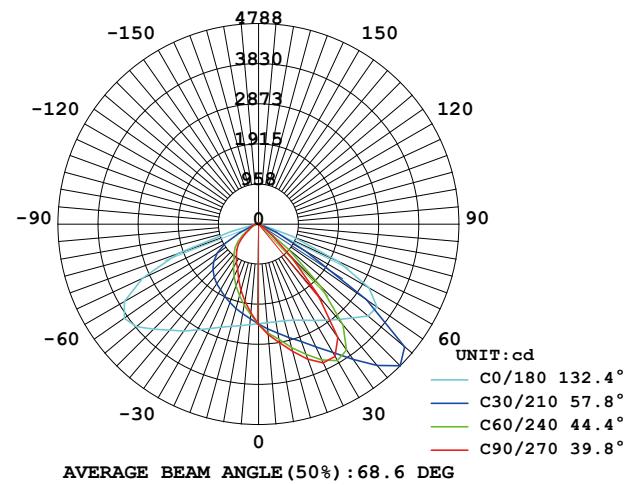
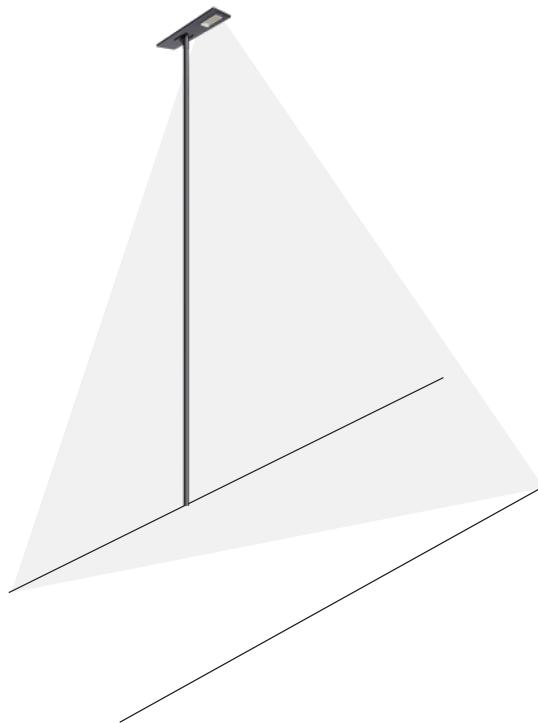


Note:

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

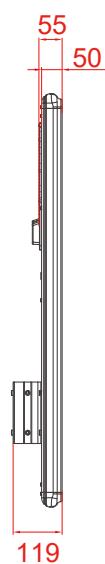
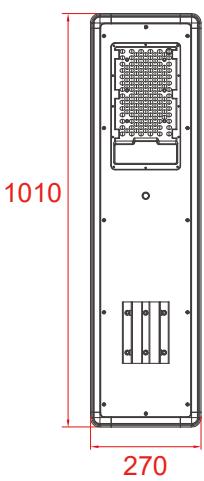
Light Distribution

Luminous intensity distribution curves.

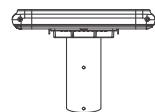
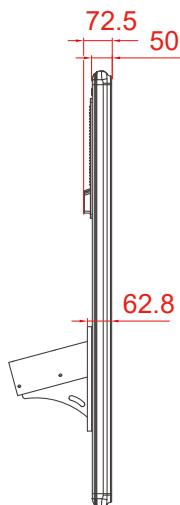
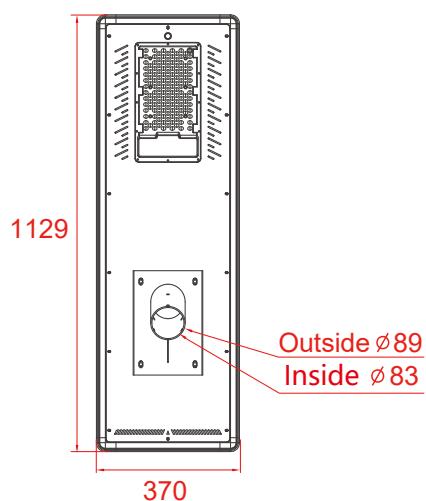


Dimension

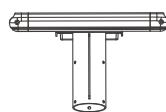
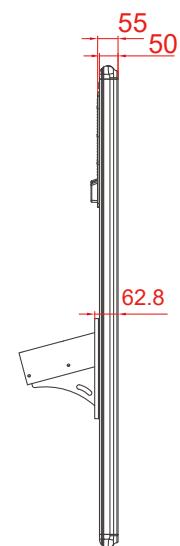
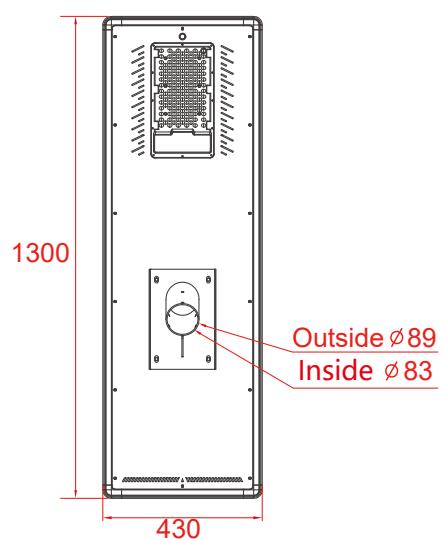
RSK-40



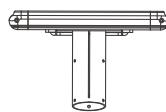
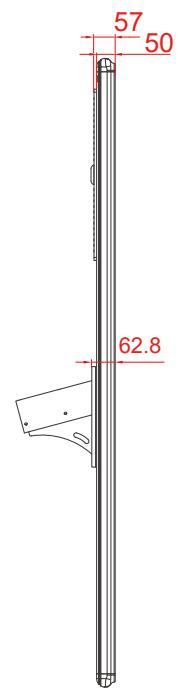
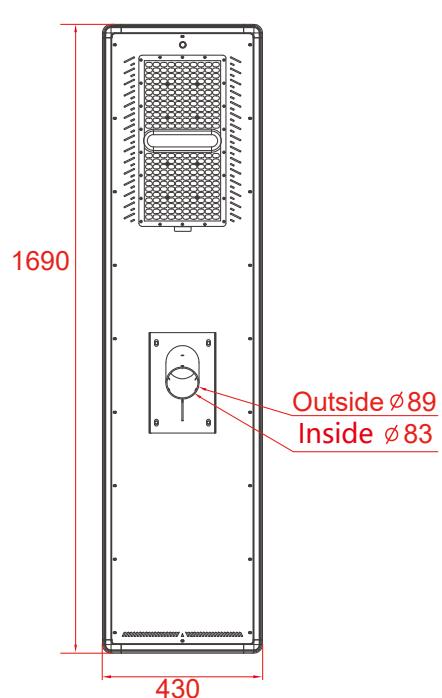
RSK-60



RSK-80

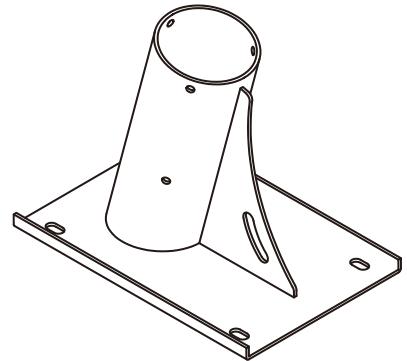
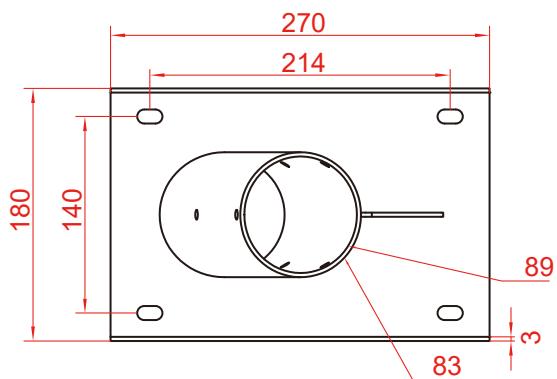
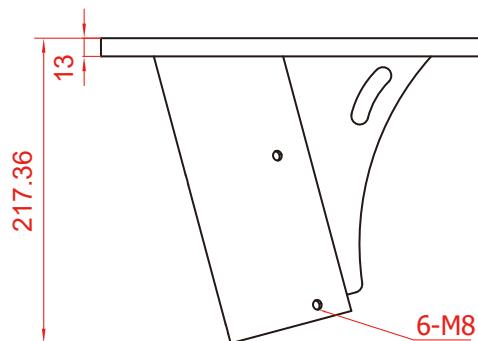
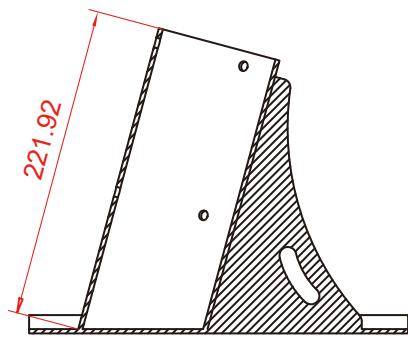


RSK-120

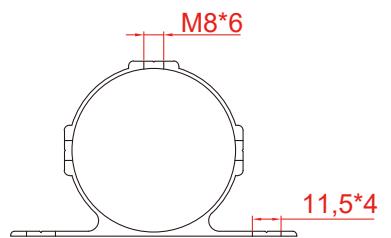
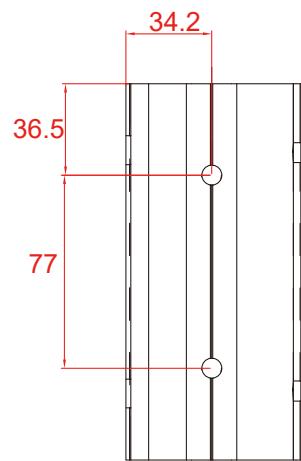
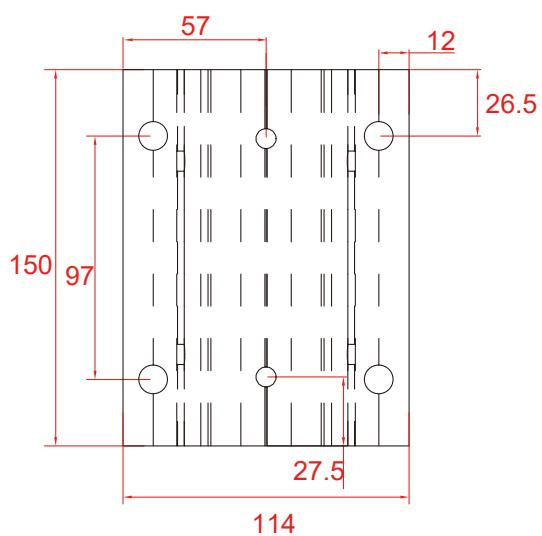


Sleeve Depth

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°C~60°C (Charge above 0°C)		
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		