



RSK SERIES

Panels Power: 42W - 120W

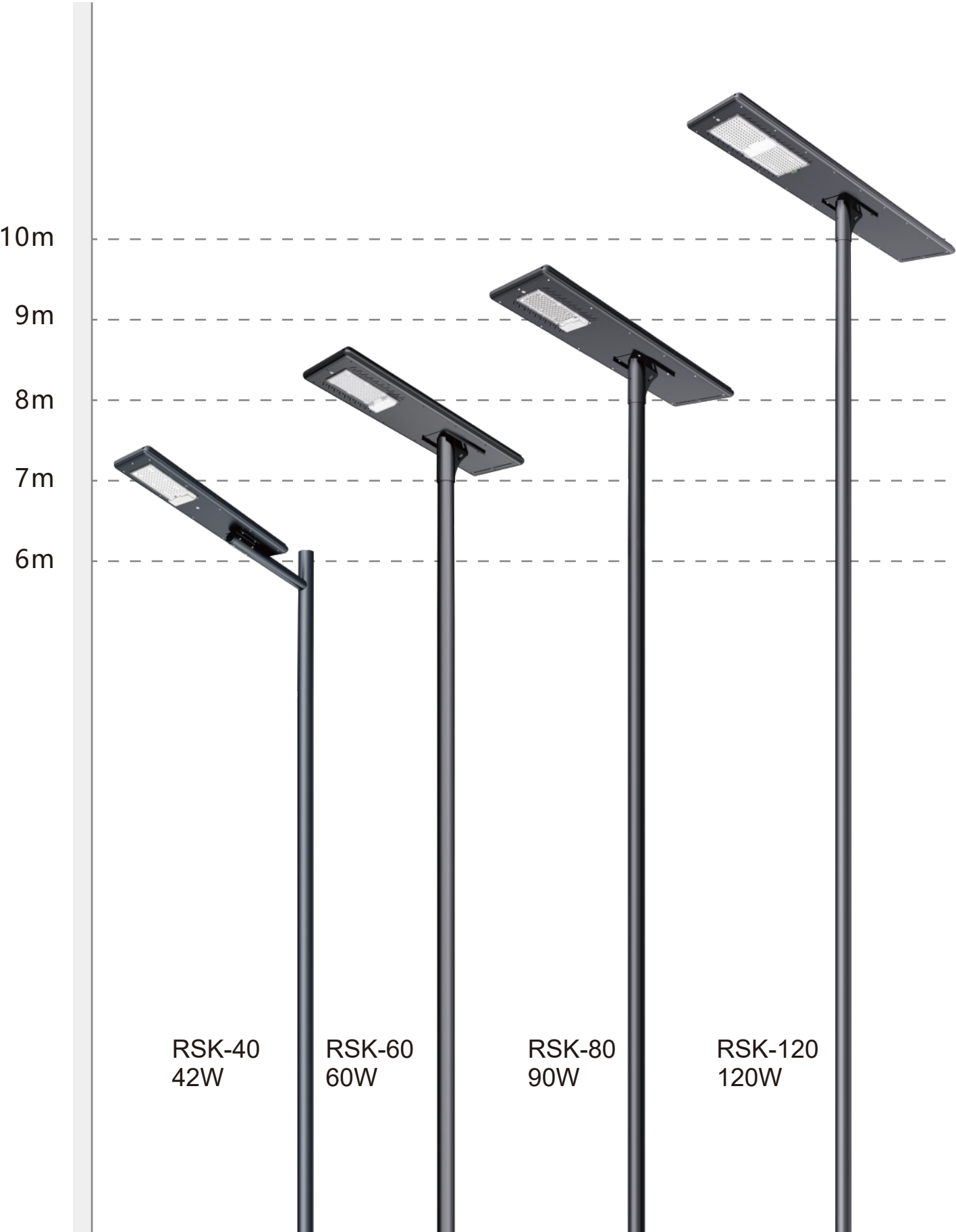
Lumen: 4000LM - 15000LM



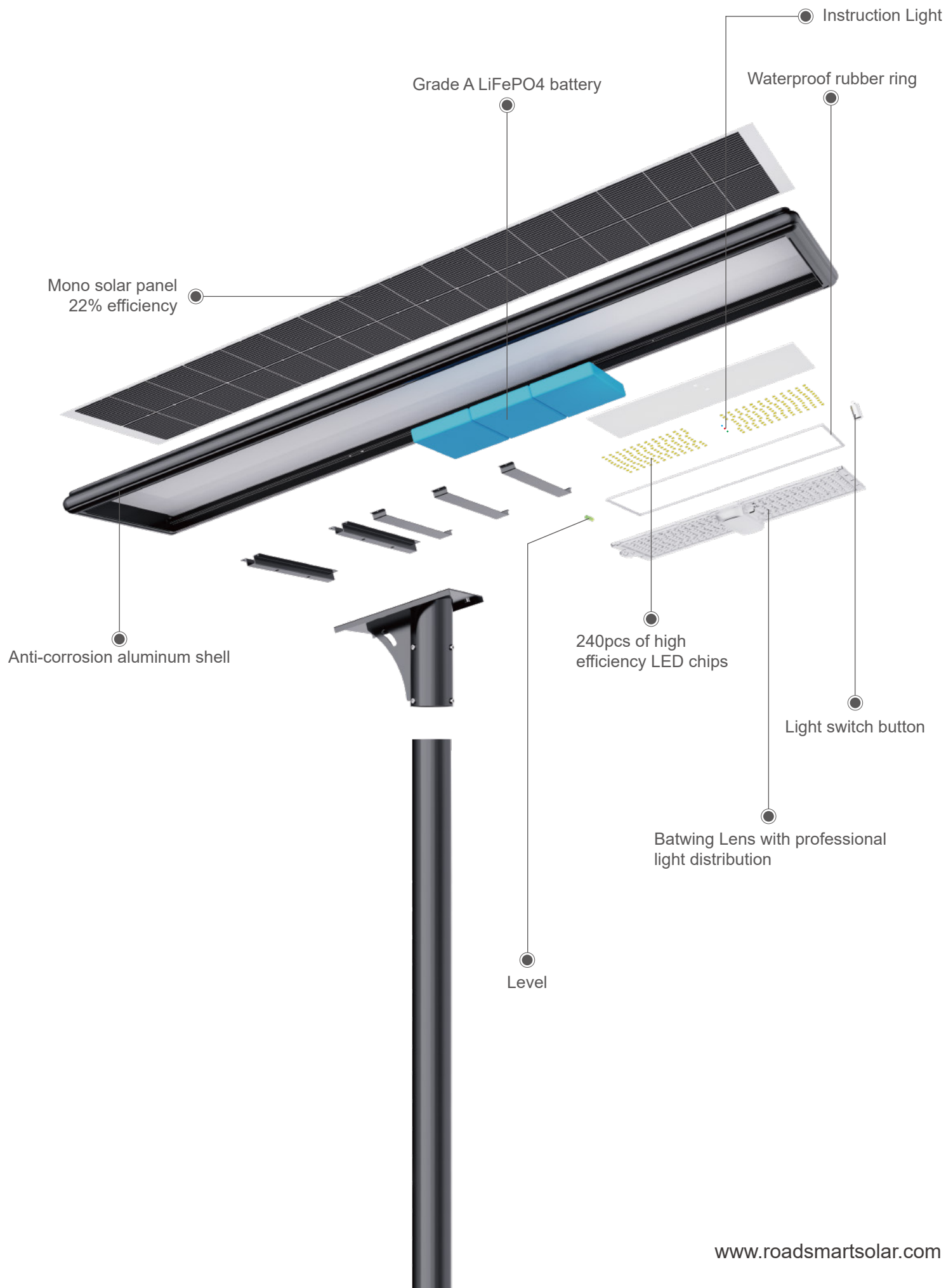
Four models available



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



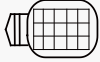


Rotating angle design

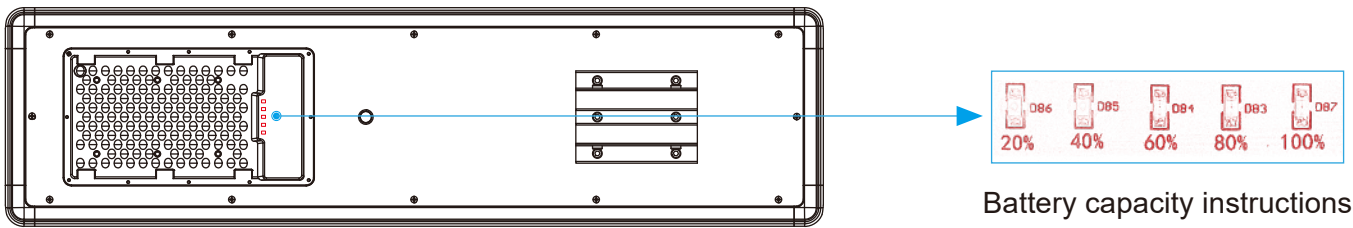
The illumination area and angle of light can be adjusted reasonably according to the width of the road

Indicator light status instructions







RSK-60/80/120

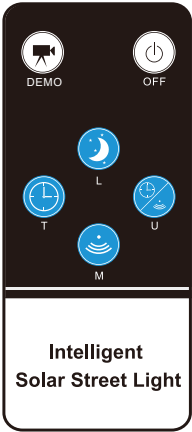
| LED | Indications | Status | Functions |
|---|---------------------|----------------|------------------------------------|
| <div>• Blue</div>  | Charging indication | Long-term on | During the day, it' s not charging |
| | | Slow twinkling | Battery full charged |
| | | Long-term off | Night |
| 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

RSK-40



Remote Control

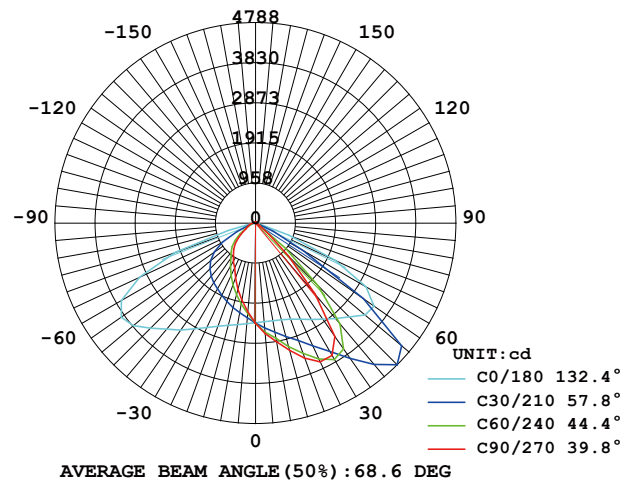
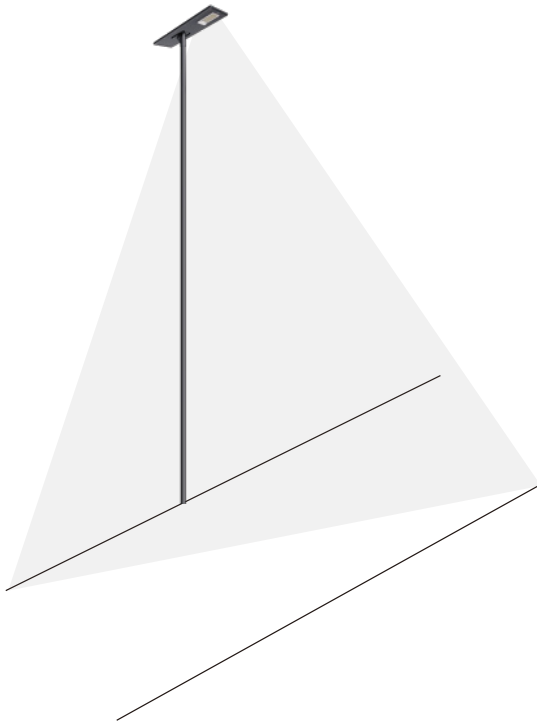
-  DEMO: No matter day or night, light "on" for 1 minute. Only for test use.
-  OFF: Light "off", no matter day or night.
-  L: 100%-2hrs, 70%-2hrs, 30%-dawn.
-  T: 3H-100%, 2H-50%, 6H-20%, 50% before dawn 1H.
-  M: 100% whole night (Output power reduce).
-  U: 3H-100%, 3H-50%



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

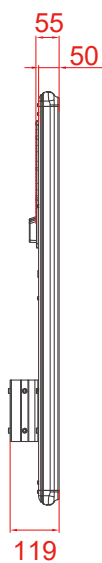
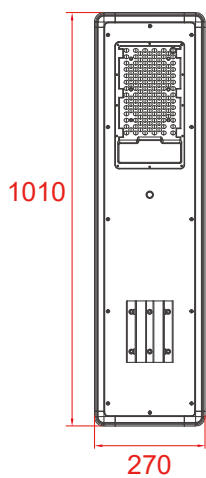
Light Distribution

Luminous intensity distribution curves.

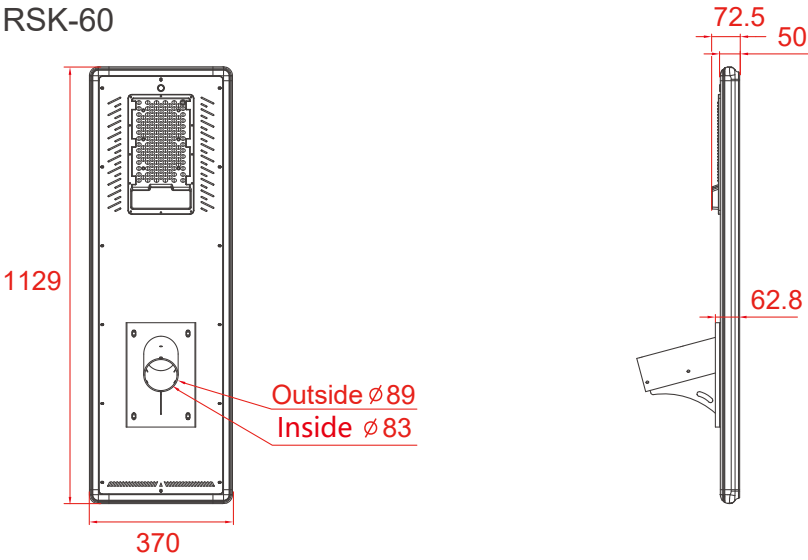


Dimension

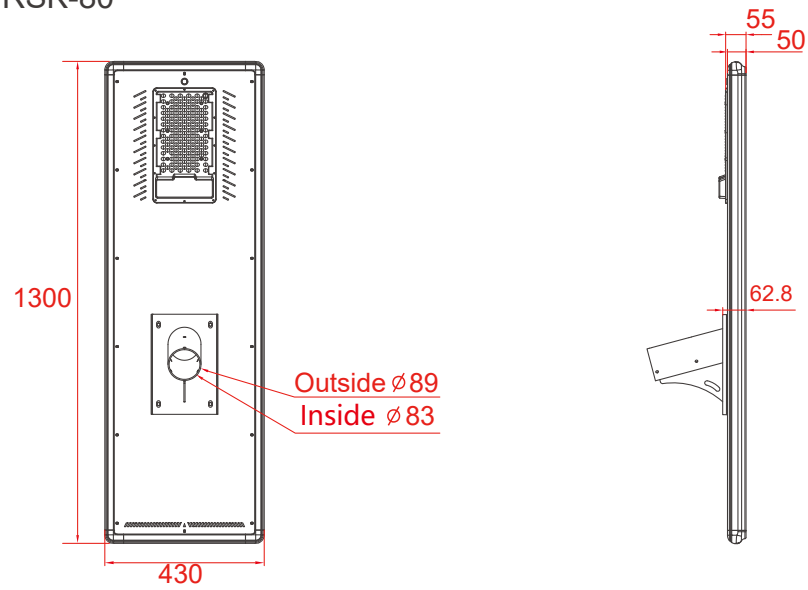
RSK-40



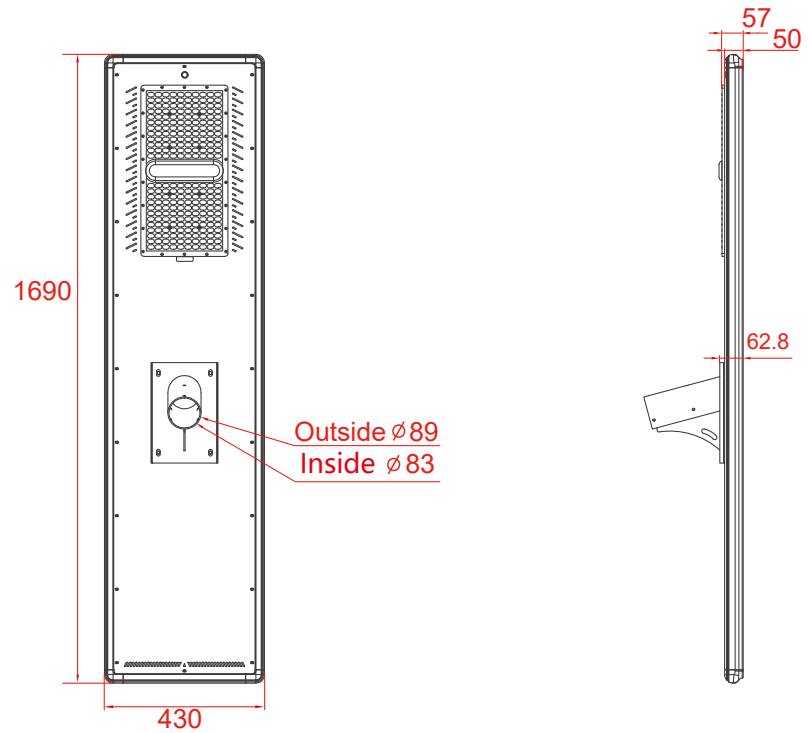
RSK-60



RSK-80

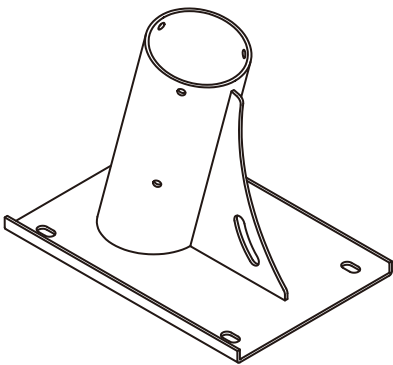
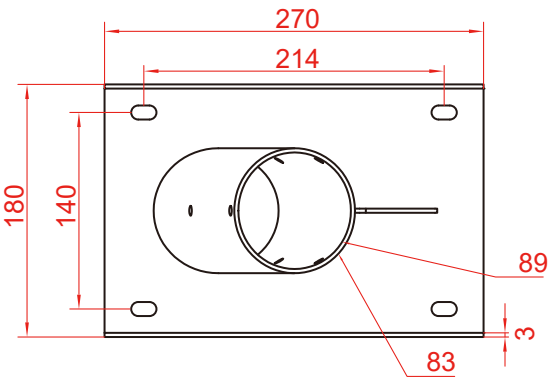
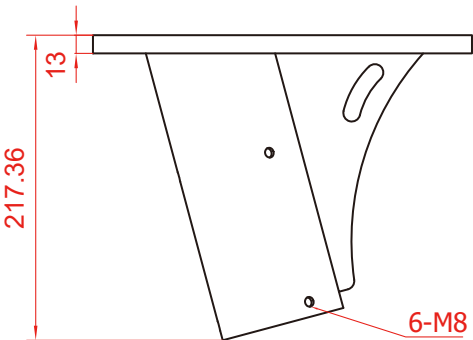
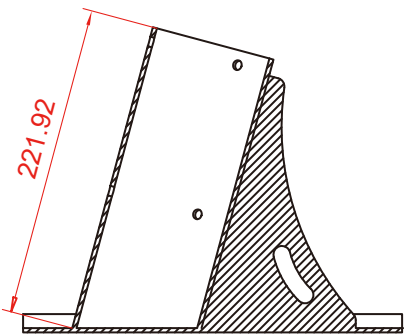


RSK-120

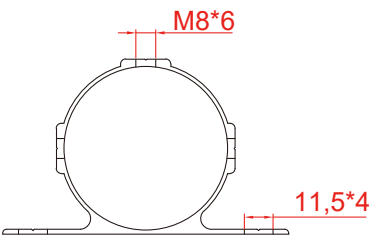
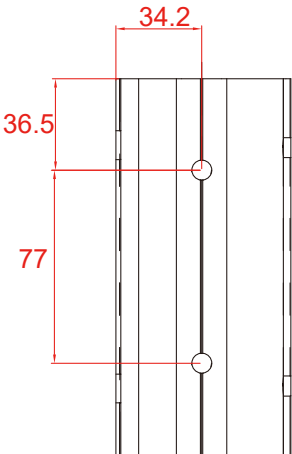
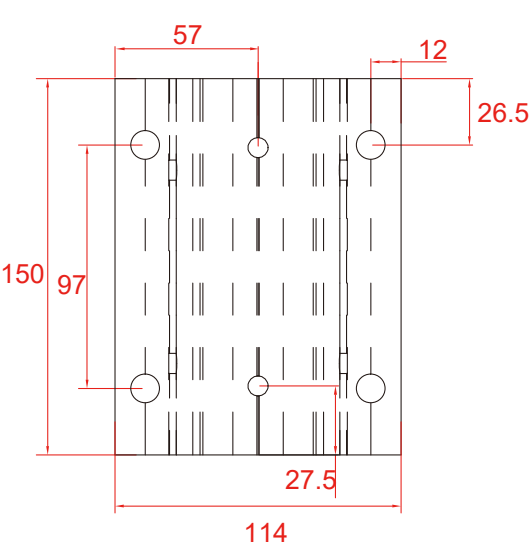


Sleeve Depth

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 | | | |