



# RSA Multimodule series

Panels Power: 60W - 160W

Lumen: 5100LM - 18000LM



**RSA-40-P**



**RSA-60-M**



**RSA-100-M**



**RSA-160-M**

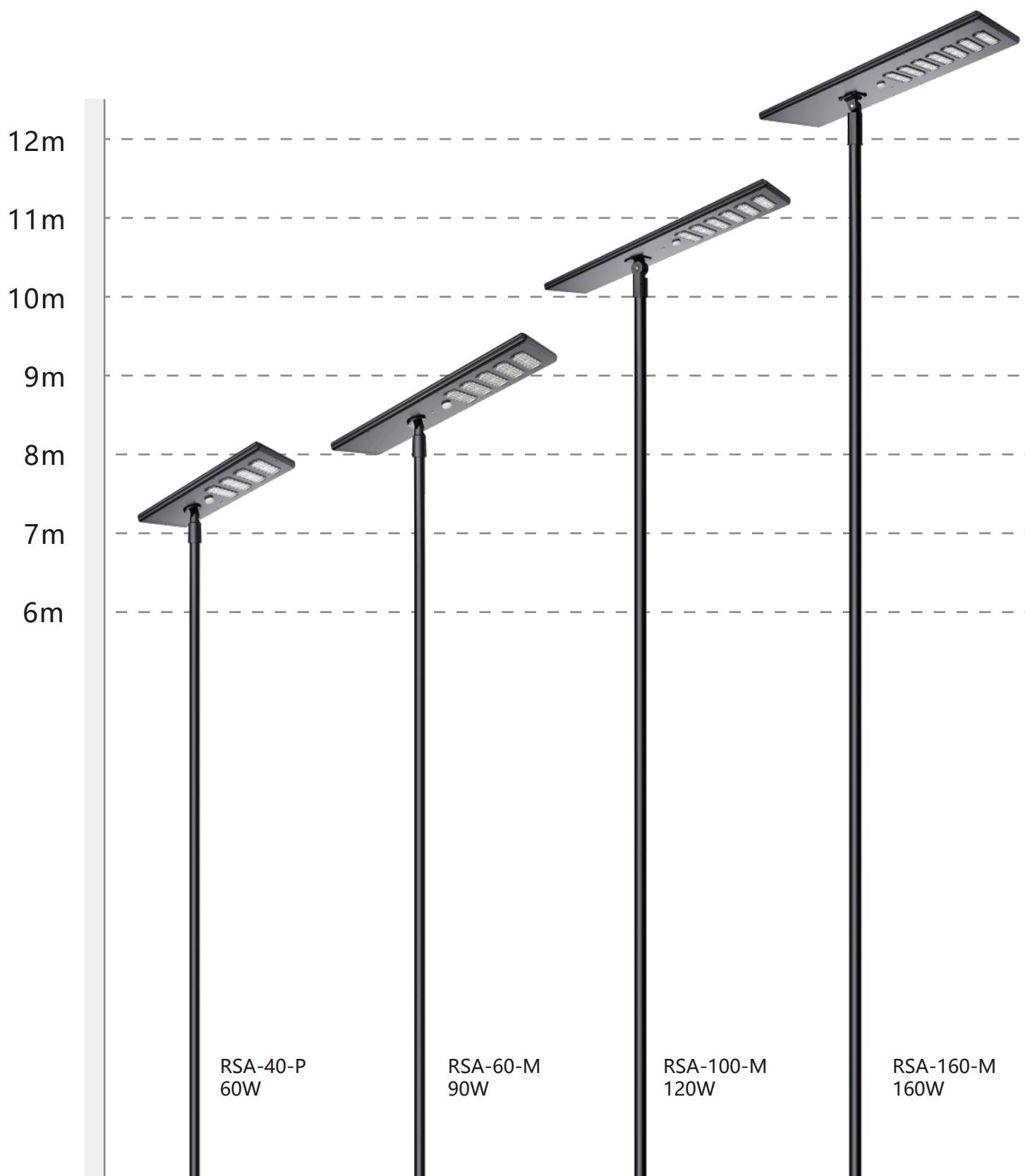


- Four different installation methods

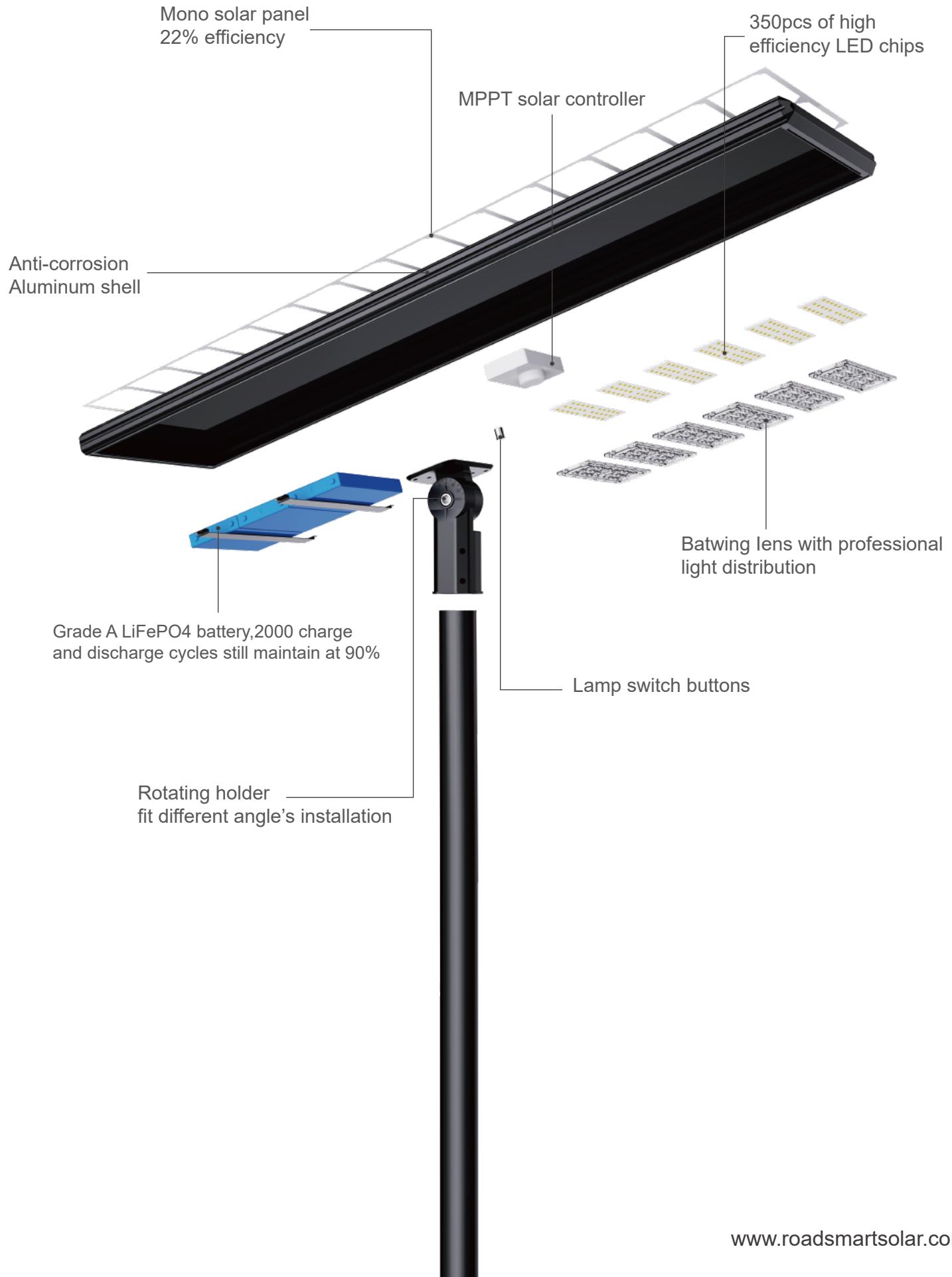


## Lamp post installation height recommendation diagram

Series	Recommended installation height
RSA-40-P	6-7m
RSA-60-M	6-8m
RSA-100-M	8-10m
RSA-160-M	9-12m



## 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

350 pcs of high efficiency LED chips, optimized brightness, the whole lighting effeciency 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



**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.



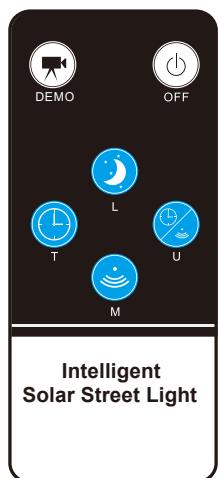
**T:** At night, 100%-1hr, 70%-2hrs, 40%-3hrs.



**M:** At night, 50%-1hr, 100%-3hrs, 30%-dawn.



**U:** 100%-2hr, 70%-3hrs, 50%-3hrs, 20%-2hrs.

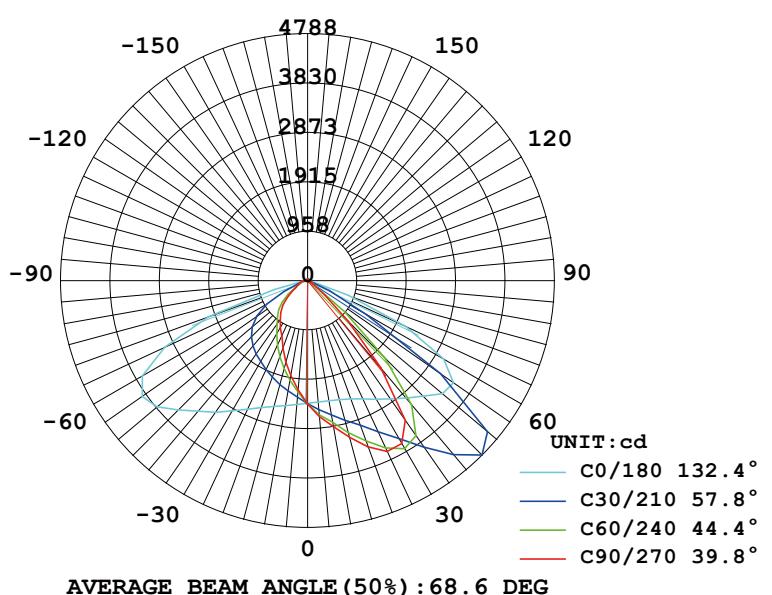
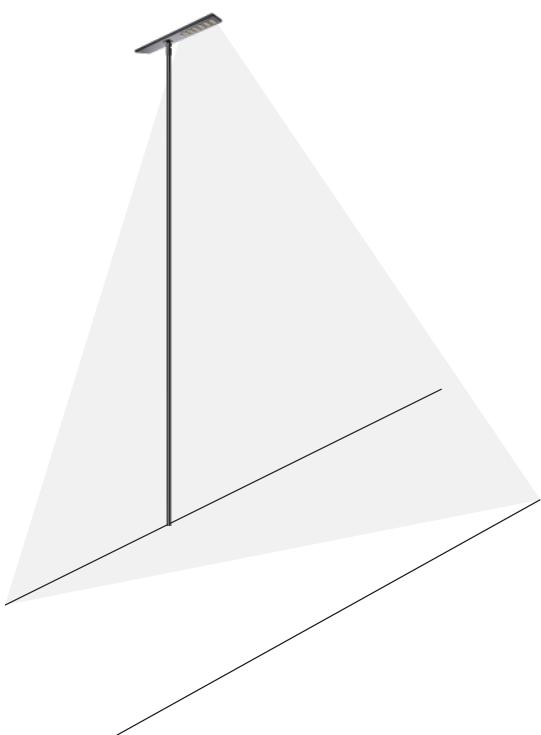


Note:

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

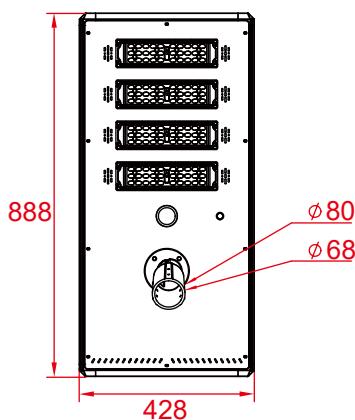
## Light Distribution

Luminous intensity distribution curves.

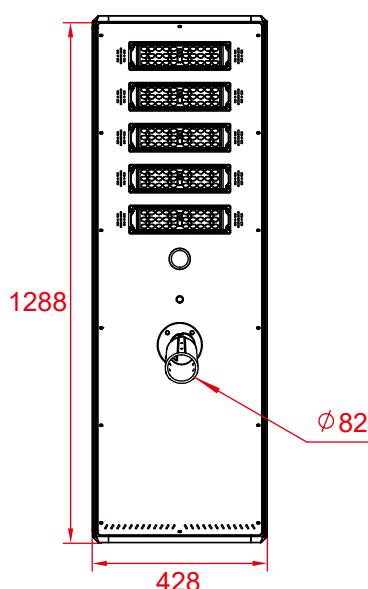


## Dimension

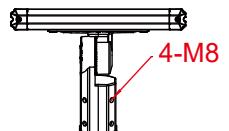
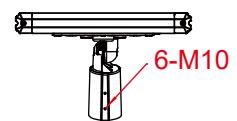
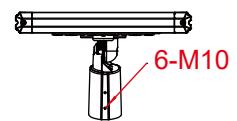
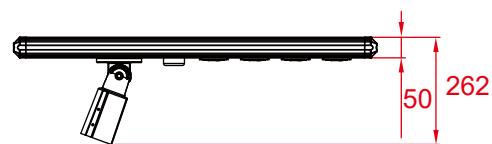
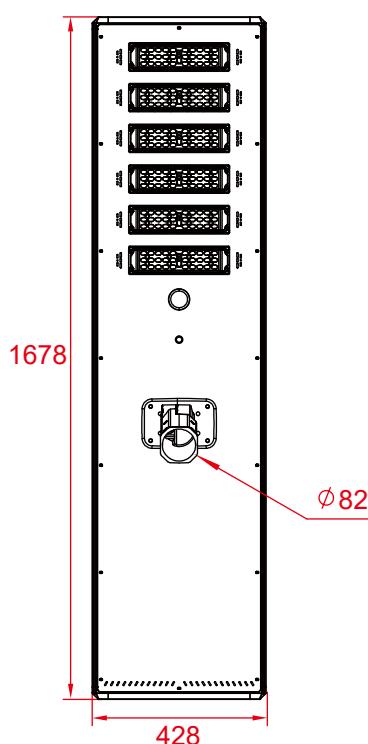
RSA-40-P



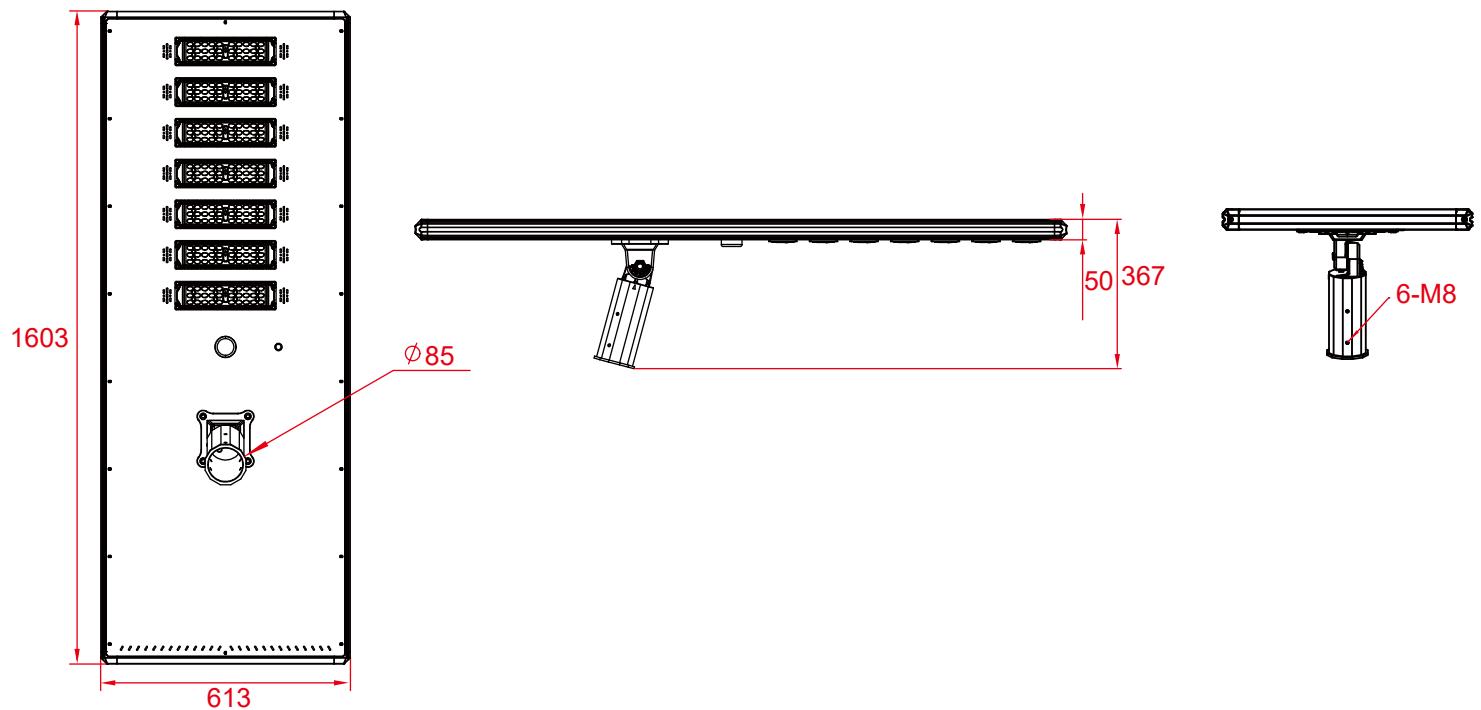
RSA-60-M



RSA-100-M

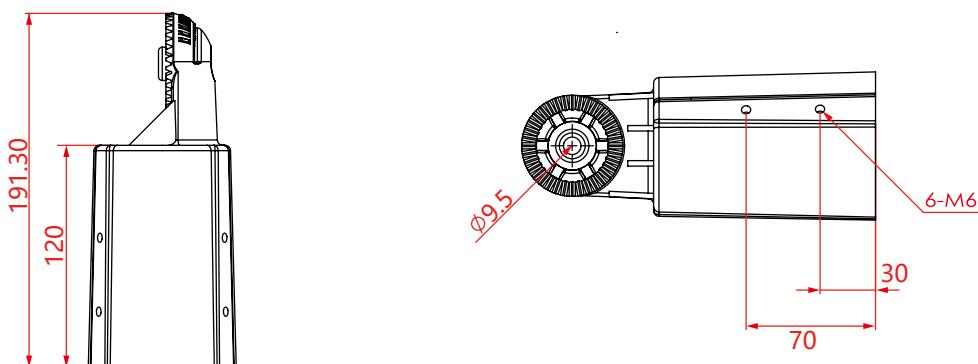


RSA-160-M

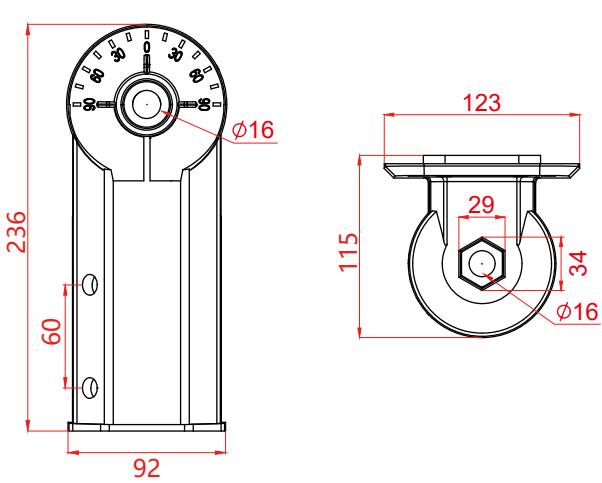


## Sleeve depth

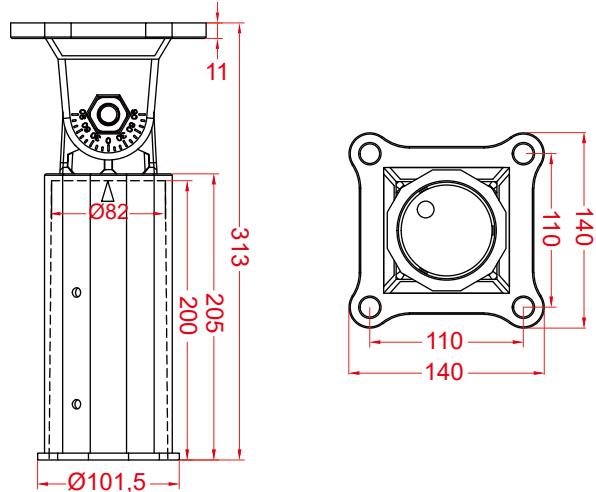
RSA-40-P / RSA-60-M



RSA-100-M



RSA-160-M



## Parameter

Type	RSA-40-P	RSA-60-M	RSA-100-M	RSA-160-M			
Lamp head							
LED chip	200pcs	250pcs	300pcs	350pcs			
Luminous flux	5100lm	9500pcs	13600lm	18000lm			
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	120W	160W			
Voltage	6V	18V					
Solar cell efficiency	19%-22%						
Material	Monocrystalline silicon						
BATTERY							
Capacity	75AH/240WH	135AH/432WH	200AH/640WH	260AH/832WH			
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	9-12M			
Installation spacing	20-40M						