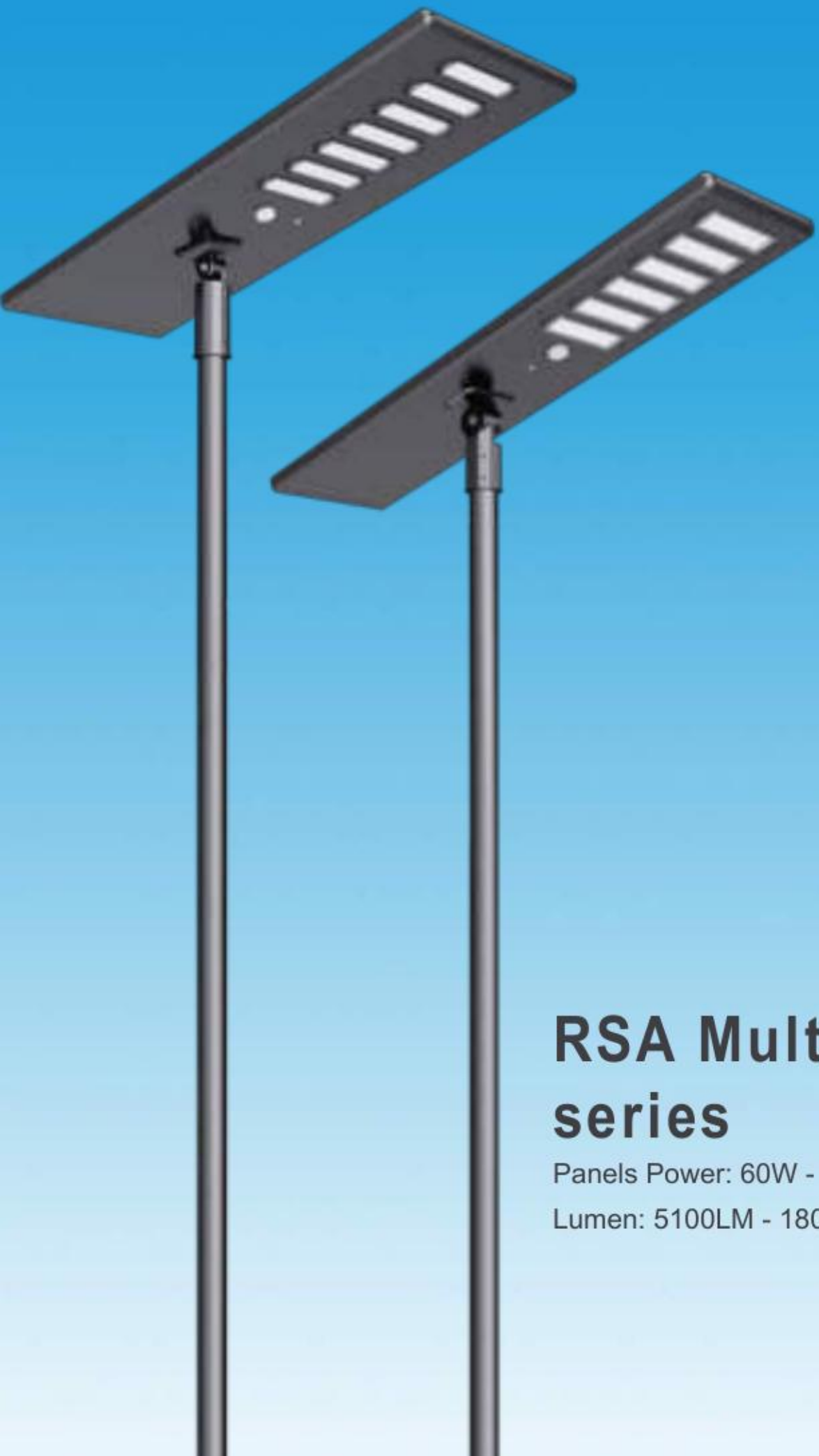
Road Smart



RSA Multimodule series

Panels Power: 60W - 160W

Lumen: 5100LM - 18000LM

www.roadsmartsolar.com



RSA-40



RSA-60



RSA-100



RSA-160



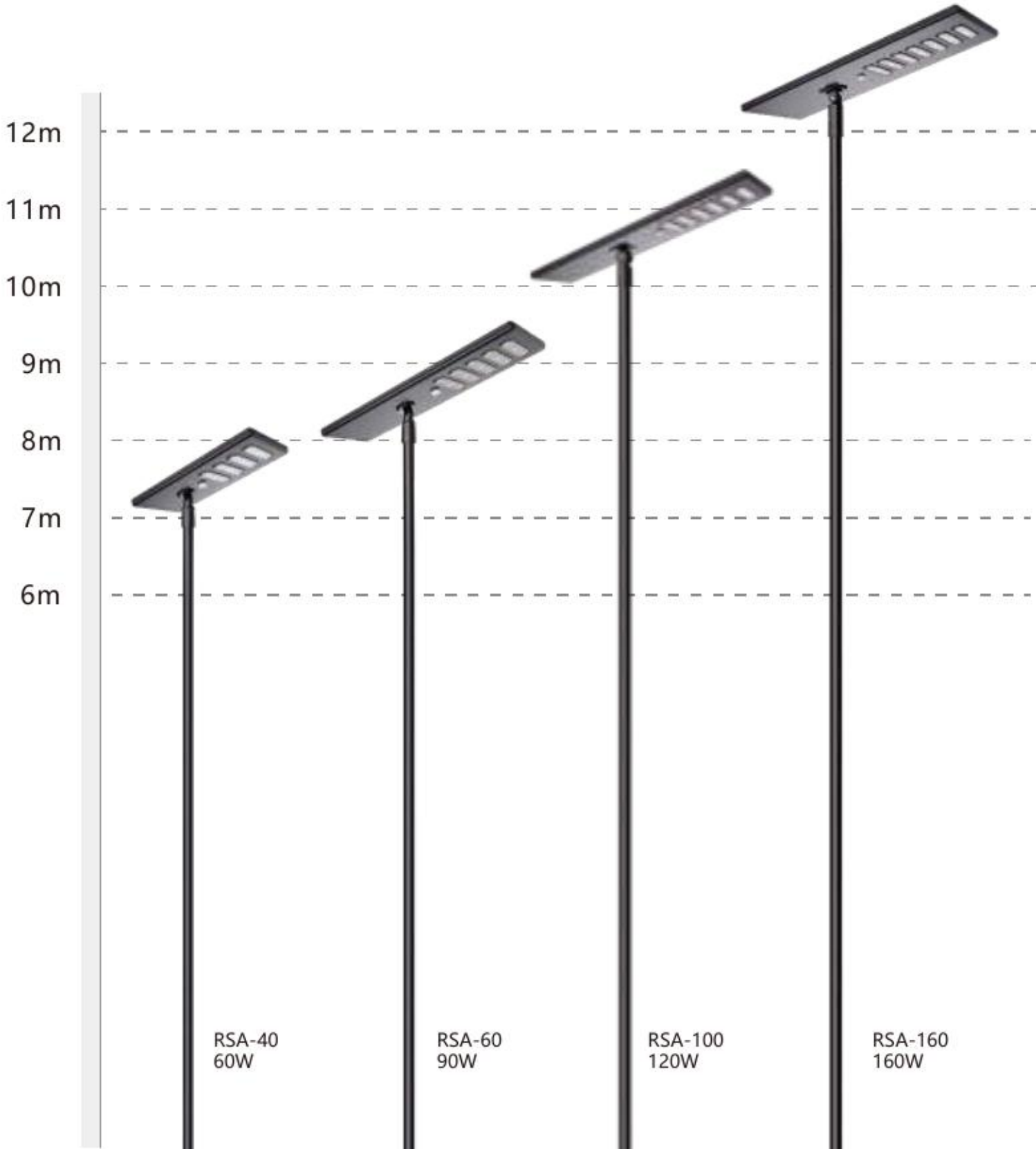


· Four different installation methods

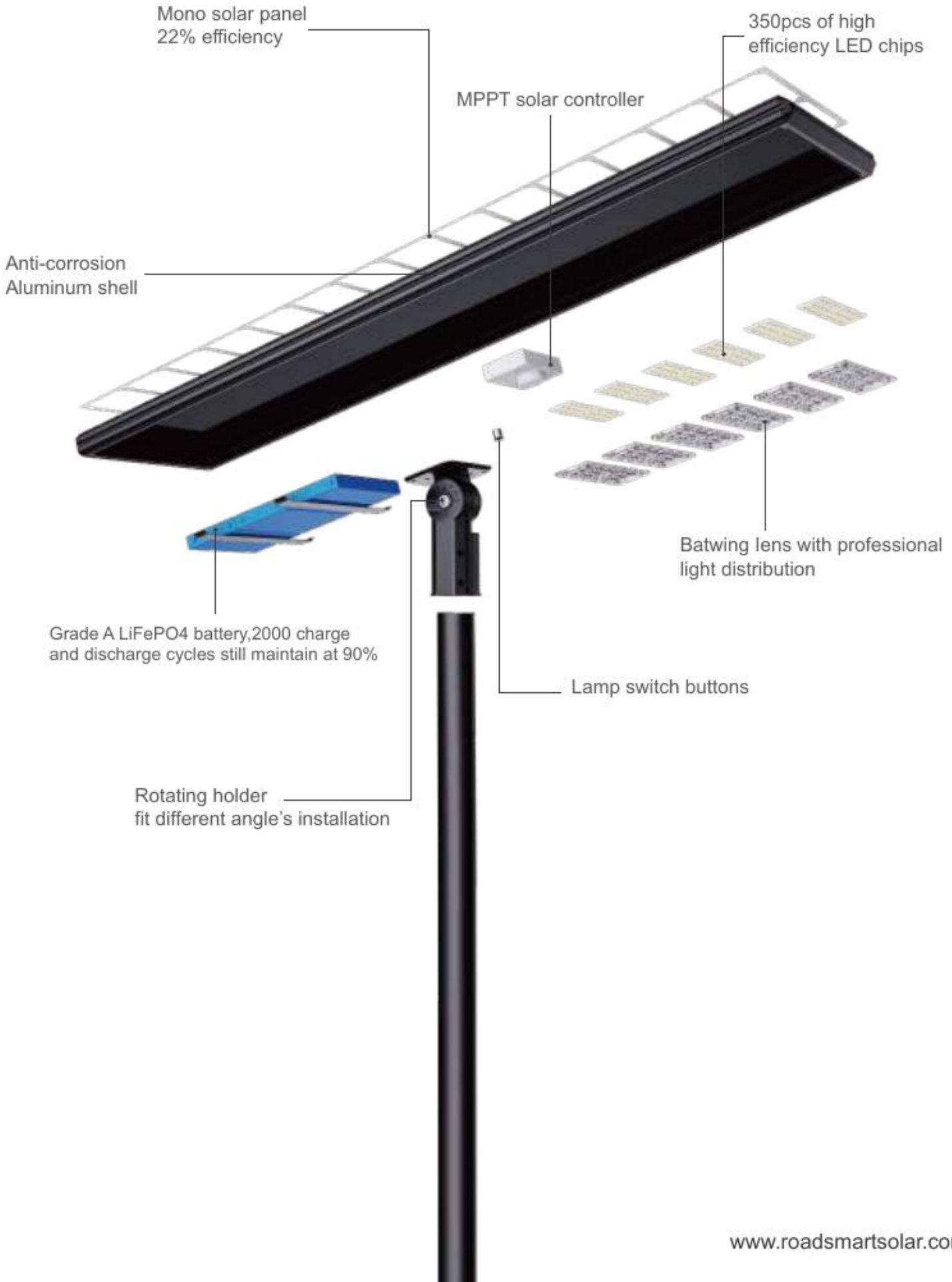


Lamp post installation height recommendation diagram

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



Advantage


Mono solar panel
22% efficiency
350pcs of high
efficiency LED chips
MPPT solar controller
Anti-corrosion
Aluminum shell
Batwing lens with professional
light distribution
Grade A LiFePO4 battery,2000 charge
and discharge cycles still maintain at 90%
Lamp switch buttons
Rotating holder
fit different angle's installation

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 regulater 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.

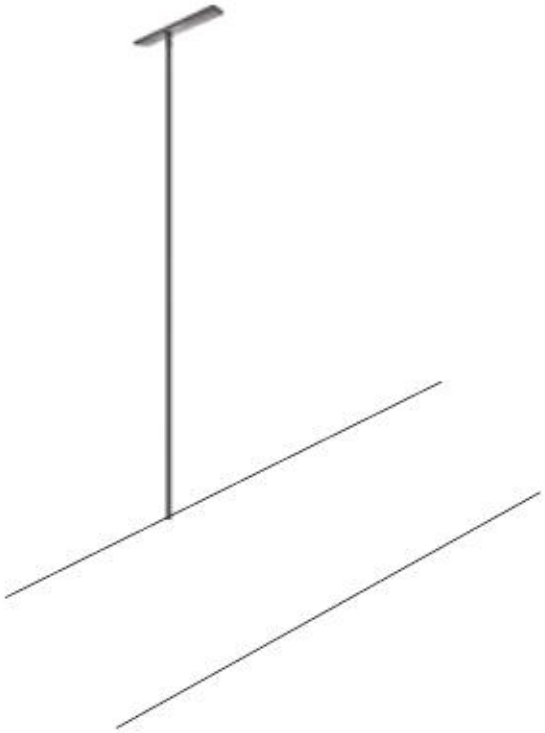


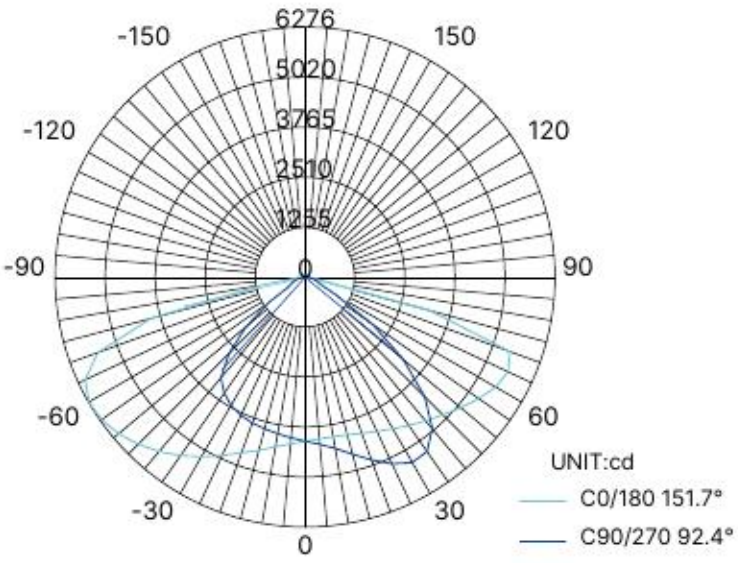
Note:

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.

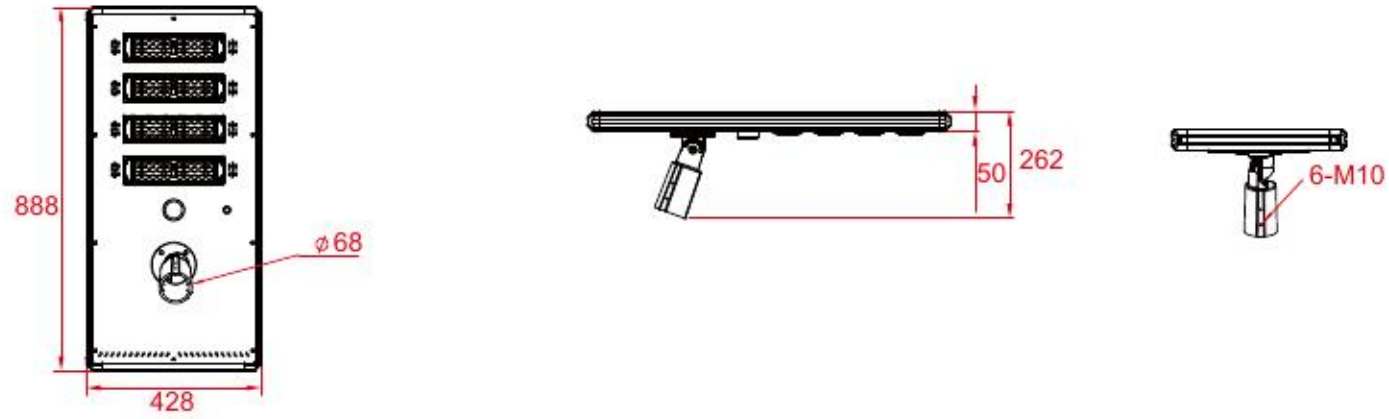




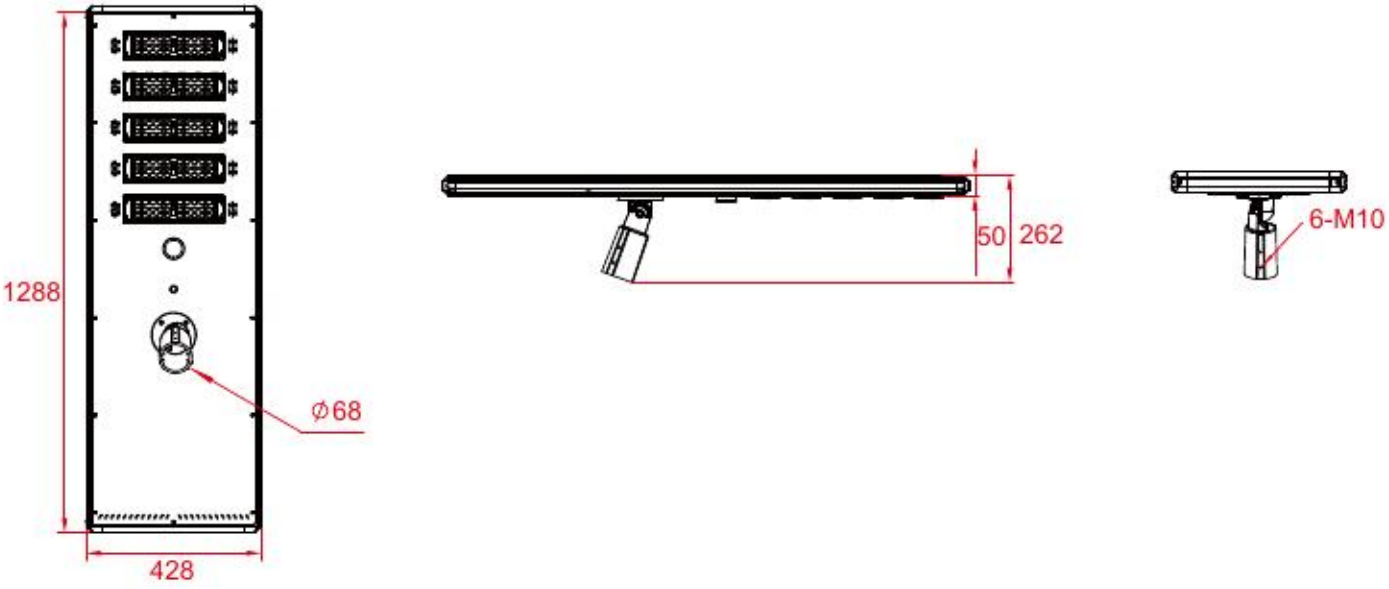
AVERAGE BEAM ANGLE(50%):122.1 DEG

Dimension

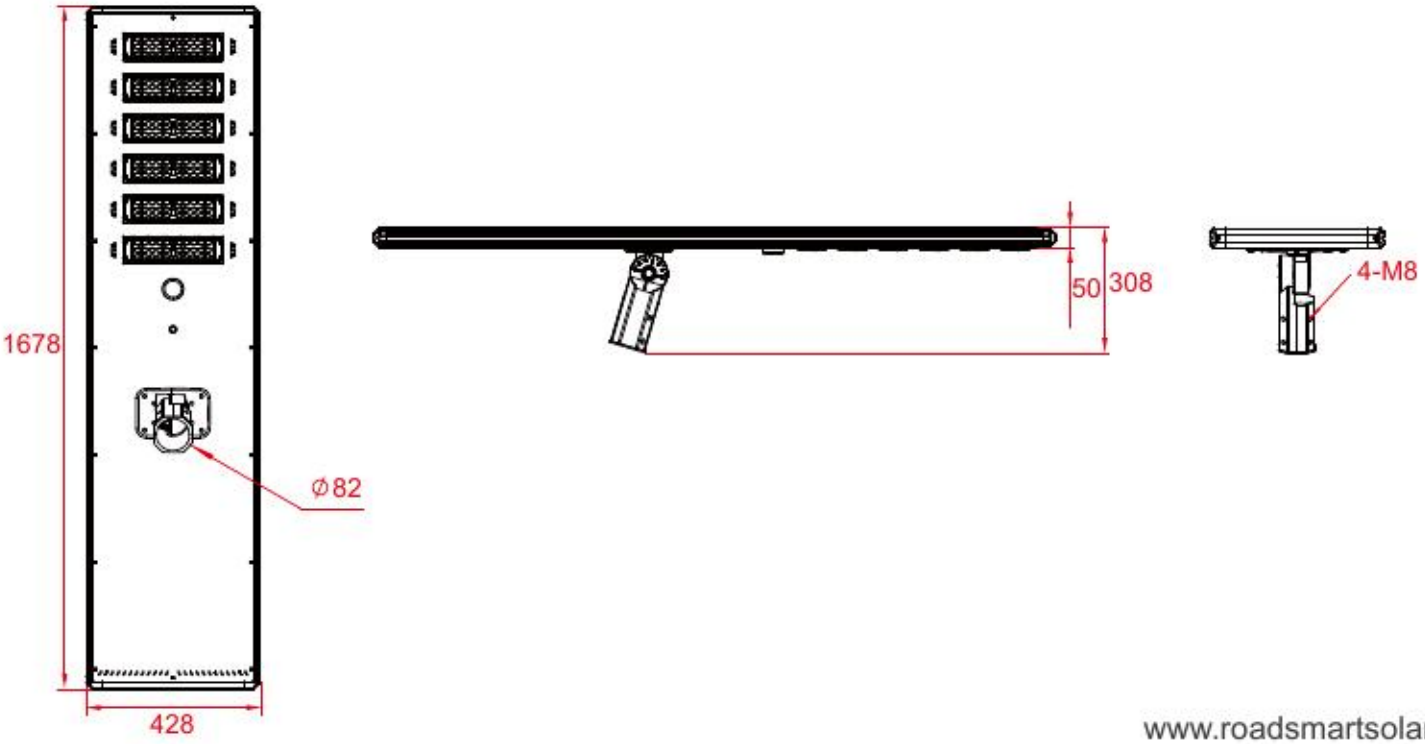
RSA-40



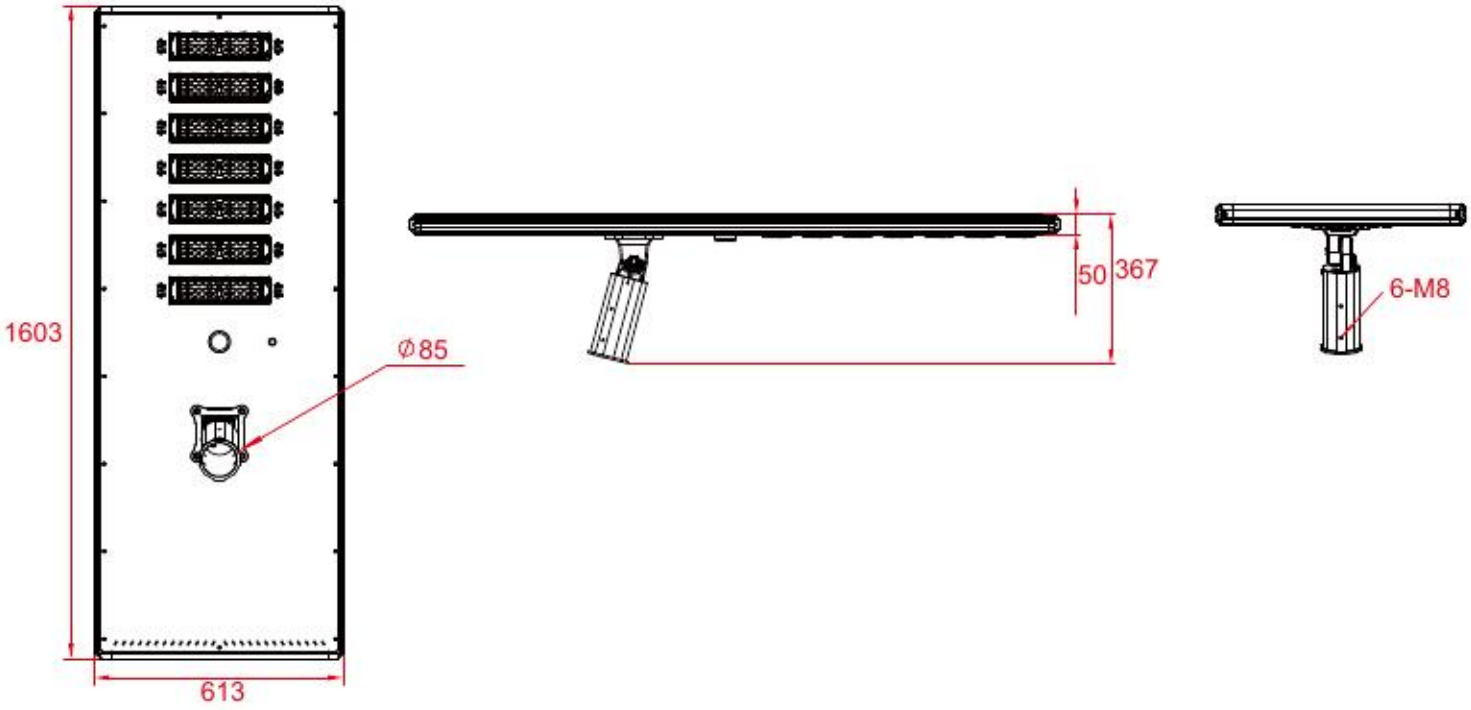
RSA-60



RSA-100

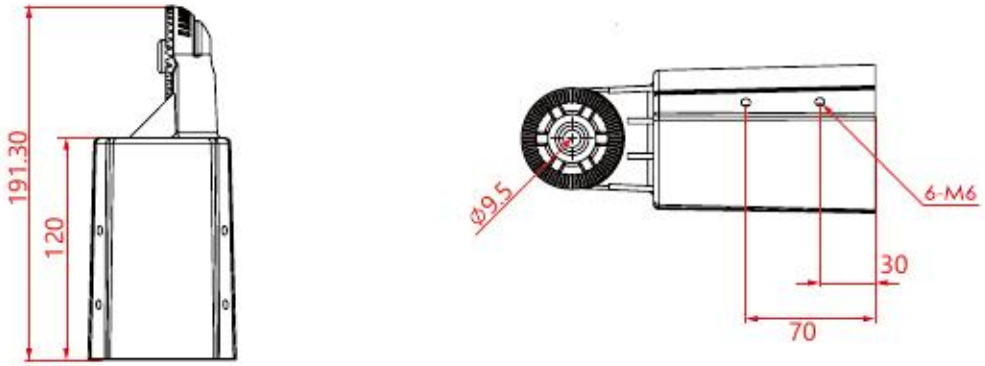


RSA-160

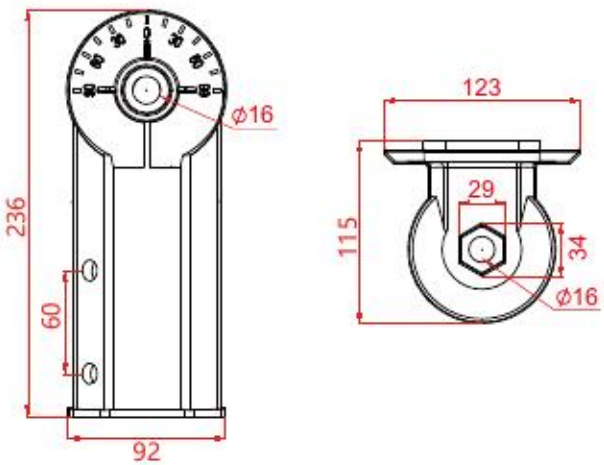


Sleeve depth

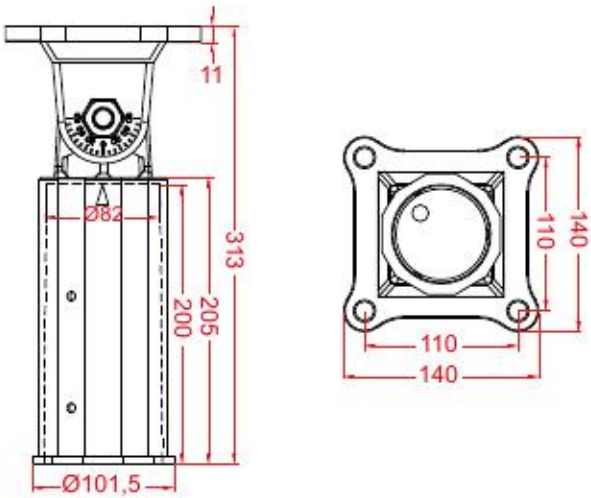
RSA-40 / RSA-60



RSA-100



RSA-160



Parameter

Type	RSA-40	RSA-60	RSA-100	RSA-160
Lamp head				
LED chip	200pcs	250pcs	300pcs	350pcs
Luminous flux	5100lm	9500lm	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			