



FEATURES

- Inherit the company's superior style design, streamlined shape, continue excellent product performance, and improve product cost performance and competitiveness.
- The radiator is made of high-quality die-cast aluminum, which has super high thermal conductivity, fast heat dissipation and good performance.
- Integrated die-casting, stable structure, strong sense of product integrity, stable physical properties of radiator materials, no rust, anti-corrosion, anti-oxidation and other characteristics, to meet the requirements of different occasions.
- Monocrystalline silicon solar panel, with a conversion efficiency of 23% and a lifespan of up to 25 years.
- IP65 waterproof structure to meet various outdoor needs.
- The light efficiency is up to 185, the ultimate energy saving.
- A+ lithium iron phosphate battery, high safety, stable performance, battery cycle life ≥ 2000 times (DOD100%).
- With a microwave sensor, it can be set to turn on the light when people come, and turn off the light when people leave.
- The mounting arm can be rotated to flexibly adapt to various mounting poles and road surfaces.

SPECIFICATION

General Information	
LED Type	2835
Light Efficacy	185lm/W, 170lm/W
CCT	4000K, 5000K
CRI	70
LED Lifespan	50,000h@L70B50
Battery cycle life	>2000times@DOD100%
Warranty	3 Years (Battery 2 Years)
Certificate	CB, CE, Rohs, UL Pending
Structure Material	Die casting ADC12
Finish Material	Powder coated
Lens Material	PC
Fixture Color	Sand black
Solar Panel	Polycrystalline/Monocrystalline
Cable	Waterproof two-core rubber
Mouting Option	Pole Mounted
Operating Temperature	0~50°C
Ingress protection code	IP65
Mech. impact protection code	IK07

Solar Street Light ST series

Up to 185lm/W | 24W/25W/35W/45W/47W

Solar Energy Generation

Automatic Switch

IP66 (WET)

Microwave Sensor

No wires

Rechargeable Battery

Save electric charge

Intelligent light control

Dimmable

FCC

RoHS

WET LOCATION

3 year warranty

185 lm/w

APPLICATION

- ✔ Outdoor Parking Lots
- ✔ Security Areas
- ✔ Site Pathway Areas
- ✔ Business Campuses
- ✔ Industrial Facilities

SPECCIFICATION

Part#	SAST1-SL45W	SAST1-SL100W
LED Nominal Power	45W	100W
Solar Panel	monocrystalline silicon (63W)	monocrystalline silicon (126W)
CCT	5000K	5000K
WATT:	45W	100W
Lumen Output	8325lm	18500lm
Efficacy	185 lm/w	185 lm/w
CRI	70	70
Beam Spread	140°70deg	140°70deg
Battery	lithium iron phosphate 30AH 12.8V 32700	lithium iron phosphate 36AH 25.6V 32700
Charging Time	6-8 hours(1000W/m²)	6-8 hours(1000W/m²)
Run Time(@Full Charged)	10-12hrs@100% Brightness	10-12hrs@100% Brightness
Operation Mode	PIR/remote control	PIR/remote control
PIR Sensor Angle/Distance		
Product Size	200x400x200	1450x560x200

CONTROLS AND DIMMING

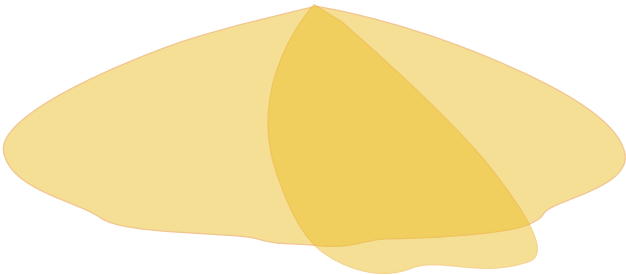
Preset Intelligent Motion Sensor Mode:

Example	Turn On at Dust	Motion Detected	No Motion Detected
7pm	1 hr	70% Brightness for 2 minutes	40% Brightness
8pm-11pm	4 hrs	100% Brightness for 2 minutes	40% Brightness
12pm-5am	6 hrs	50% Brightness for 2 minutes	20% Brightness
6am	1 hr	70% Brightness for 2 minutes	20% Brightness

Light automatically turns on at dusk. During the first 1 hour, the light remains 40% brightnes when motion is detected the light will turn to 70% brightness for 2 munites. During the next 4 hours, the light remains 40% brightness, when motion is detected the light will turn to 100% brightness for 2 minutes. Then during the next 6 hours, the light remains 20% brightness, when motion is detected the light will turn to 50% brightness for 2 munites. During the last 1 hour, the light remains 20% brightness, when motion is detected the light will turn to 70% brightness for 2 minutes. The light automatically turns off at dawn.



Light Distribution Curve



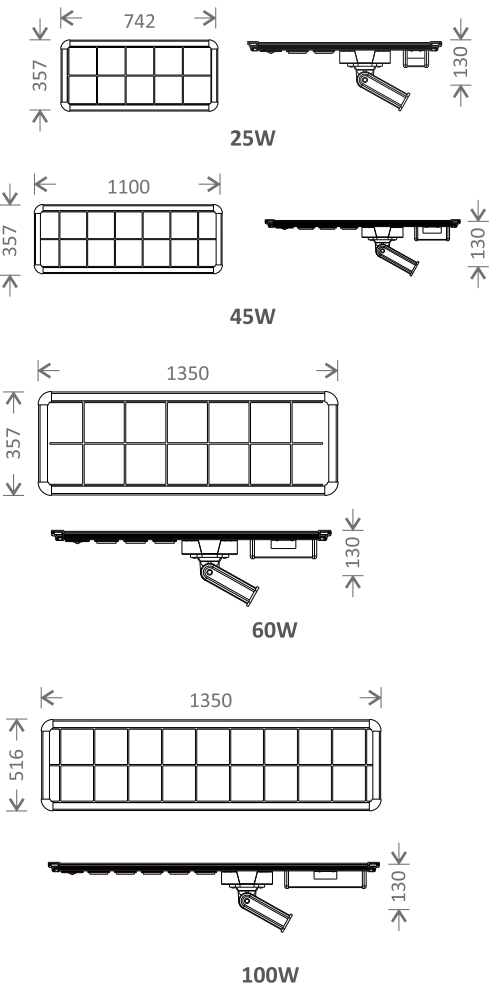
Type II

PACKAGING

PART#	UNIT / BOX	MASTER BOX	WEIGHT	UNITS/40"HQ FCL	VOLUMN	WEIGHT
SAST1-1500-G2	1	545x 390 x 400 mm	7.2 KG	2100	68 CBM	9450 KG
SAST1-3000-G2	1	545 x 390 x 400 mm	7.5KG	2100	68 CBM	9660 KG

742mm(29.21")

DIMENSION



INSTALLATION: