AGC lighting

Electrical Information

Model No.	ST43-10	ST43-20	ST43-30
Power Consumption(±5%)	10W	20W	30W
Battery	LiFePO4 Battery		
Battery Capacity	76WH	156Wh	230Wh
Solar Panels	Mono-Crystalline Solar Panel		
Solar Panel Wattage	30W		
Charging Time	>3 Hrs	>6Hrs	>9Hrs
Operating time	Full power>8 hours,Intelligent mode 3-4 days		
Solar charge Controller	PWM		
Working Mode	Refer to Intelligent Control Mode		
Control	Timmer dimming/PIR sensor		

Optic Information

LED Type	LED 2835		
Luminous Flux (±10%))	2000lm	4000lm	6000lm
Efficacy(4000K Ra70)	200lm/W		
Correlated Color Temperature	4000K (3000K, 5000K optional)		
Color Rendering Index	Ra70 (Ra80 optional)		
Beam Angle	R10801		
UGR level	NA		

Description

ST43 is a new private design solar LED Street light, with Slim design and higher conversation efficiency Mono-crystalline photovoltaic Solar panel, 200lm/w efficiency to makes the products with better advantages to meet different requirements from customers.

Dimentions and Mount

Product Dimension (Side Entry)	807X301X148mm		
Luminaire Net Weight	5.0±0.3kg	5.7±0.3kg	6.3±0.3kg
Export Carton Size	750X370X195mm		
Gross Weight	7.2±0.3kg	7.9±0.3kg	8.5±0.3kg
Mounting Option	Post top/ Side Entry		
	Pole clamp bracket /Wall Mount		
Material	Aluminum Alloy		
	Polycarbonate Optical Lens		
	LiFePO4 Battery		
	Mono-Crystalline Solar Panel		
Finish	Powder Coating		
Fixture Color	Silver		
EPA	2.56ft²		
IP Rating	IP65		

Key Features

- Nice design with lighter weight,easier installation
- System efficiency upto 200lm/w with competitive price
- The Controller has built in Motion Sensor and timer dimming function
- LiFePO4 Battry is with longer lifetime,charge for 8 hours which can continuous working for 3 days
- IP65 & IK08 double protection
- Mono-crystalline photovoltaic with a higher conversation efficiency
- Adjustable angle
- Different Mounting Options

Lifespan and Warranty

Operating Temperature	0°C to + 50°C
Life Time of LED @Ta=25°C	31000hrs-L90
	64000hrs-L80
	101000hrs-L70
Warranty	3 Years

Applications

- Village streets
- Urban road
- Courtyard
- Parking Lot

New Features

Please consult us for details.

Photometry
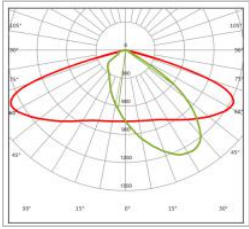
R10801

Mounting Options

Side Entry

Post top

pole clamp bracket

Wall Mount

Intelligent Control Mode

5 Stage Night Mode

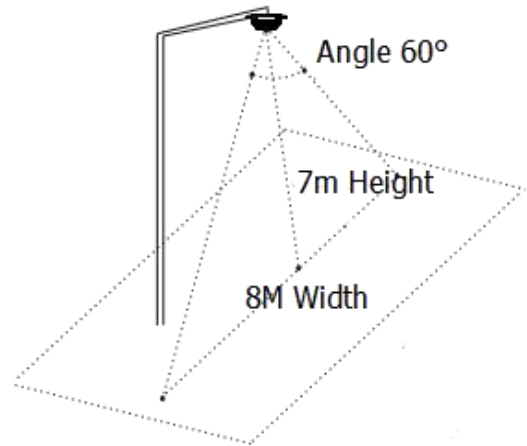PIR Sensor Detect Areas
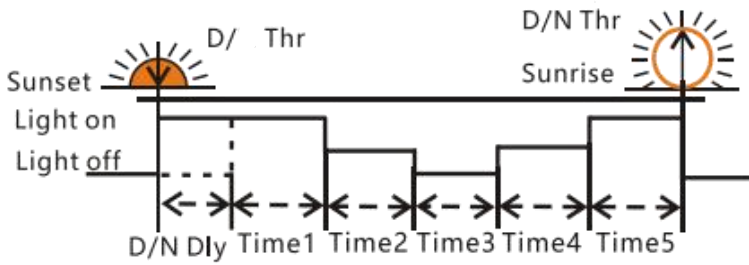
* Please note the Sensor function is only available at Time 3 and Time 4

*You can set the fixtures with 5 stages timer dimming yourself by the remote Controller.
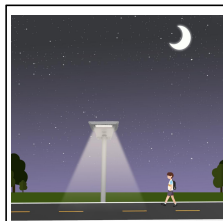
Factory Default setting:

With Sufficient natural light, the light keeps charging

1st 4hours from light switches on, the light keeps 100% brightness when presence is detected
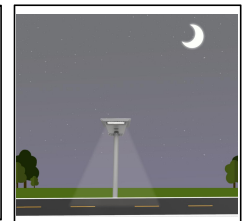

The light keeps 30% when there is no presence is detected after 30S hold time in the 1st 4 Hours

The light keeps 60% brightness when there is presence is detected from 5th to 8th Hours after light switches on
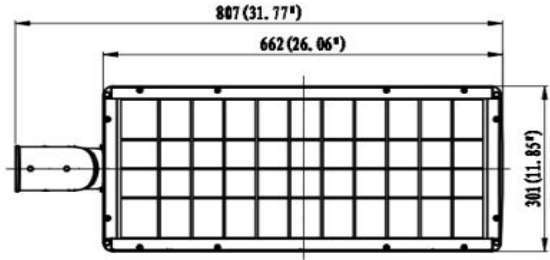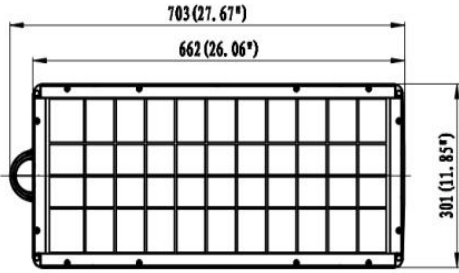

After 30S hold time within 5th to 8hours , the light dim to 20% brightness when there is no presence is detected

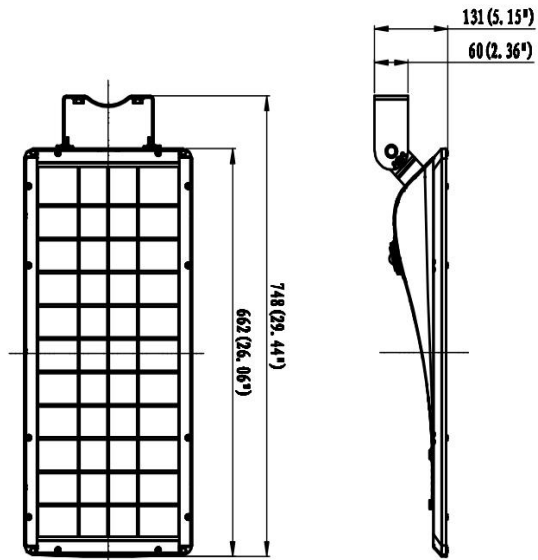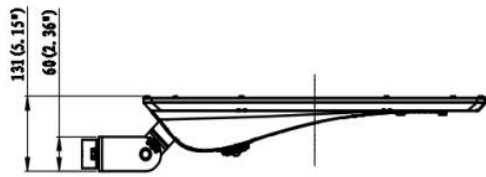The light keeps 10% brightness for 3Hours until the Sunrise.

The Controller recognizes day and night based on the Solar Array Open Circuit Voltage, this day/night threshold can be modified according to local light conditions and the Solar Array Used, setting range 3.0 ~8.0V

Unit: mm

250 (9.84")

Post Top Mount

703 (27.67")
662 (26.06")
301 (11.85")

148 (5.82")

Side Entry Mount

807 (31.77")
662 (26.06")
301 (11.85")

131 (5.15")
60 (2.36")

Pole Clamp Bracket Mount

781 (30.74")
662 (26.06")

Wall Mount

131 (5.15")
60 (2.36")
748 (29.44")
662 (26.06")

Optic lens

High transmittance PC materials,
UV test approval.

Code: please refer to Photometry for different beam angle.

Pole mount spigot

ADC12 materials, ±15° tilt adjustable, for dia.34/ 42/ 60/ 76mm pole.
Code: SP-R03-01(for dia.34mm)
Code: SP-R03-02(for dia.42mm)
Code: SP-R03-03(for dia.60mm)
Code: SP-R03-04(for dia.76mm)

±30° Pole Clamp Bracket

SPCC materials with outdoor powder coating.
can be also the wall mount bracket

Pole Clamp Bracket for 60mm/76mm Pole Only.

Wall mount adaptor

SPCC materials with outdoor powder coating.

Code: SP-R03-05

T shape pole mount adaptor

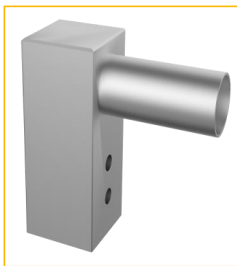Q235 with Akzo Powder Coating materials, for 100x100mm square pole.

Code: SP-R03-07

T shape pole mount adaptor

Q235 materials, for dia.60/ 76mm pole

Code: SP-R03-06(for dia.60mm)
Code: SP-R03-08(for dia.76mm)

L shape pole mount adaptor

Q235 materials, for 100x100mm square pole.

Code: SP-R03-10

L shape pole mount adaptor

Q235 materials, for dia.90mm pole

Code: SP-R03-09(for dia.90mm)

Corner mount adaptor

SPCC materials with outdoor powder coating.

Code: SP-R19-02

L shape pole mount adaptor

Q235 materials, for dia.60mm pole

Code: SP-R19-01(for dia.60mm)

Remote Controller

Remote Controller for Solar Street light
Code: S-Unit(SU07)

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