



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		
Working mode	Refer 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.

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

Applications

- Village streets
- Urban road
- Courtyard
- Parking Lot

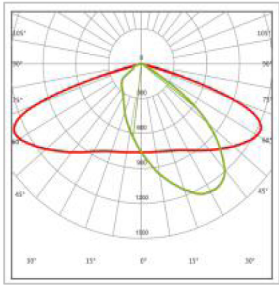
Dimentions and Mount

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		

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		

New Features



R10801

Mounting Options



Side Entry



Post top



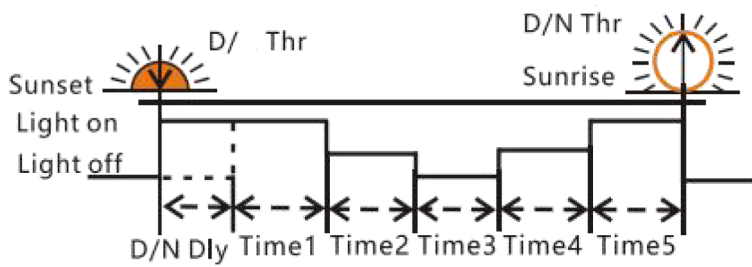
pole clamp bracket



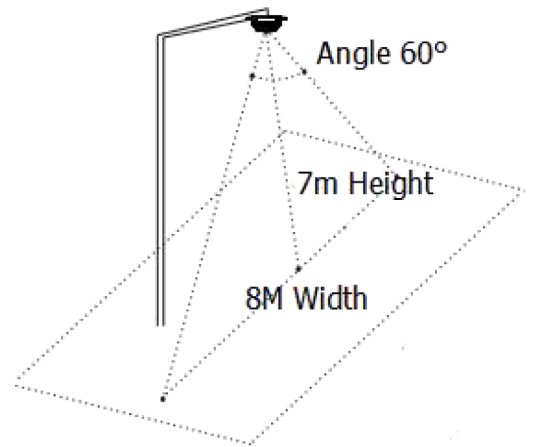
Wall Mount

Intelligent Control Mode

5 Stage Night Mode



* 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.

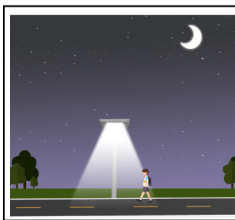


PIR Sensor Detect Areas

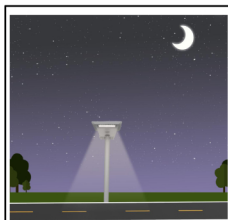
Factory Default setting:



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



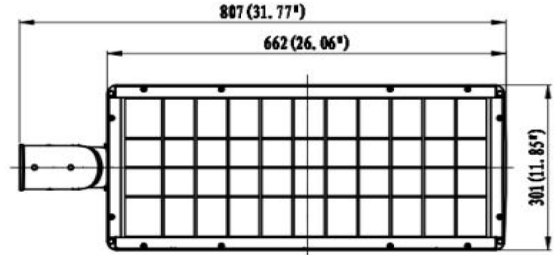
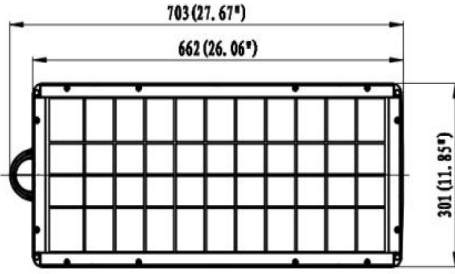
After 30S hold time within 5th to 8hours , the light dim to 20% brightness when there is no presence is detected



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

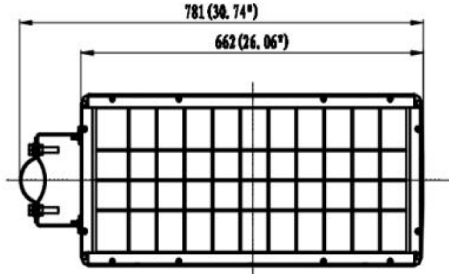
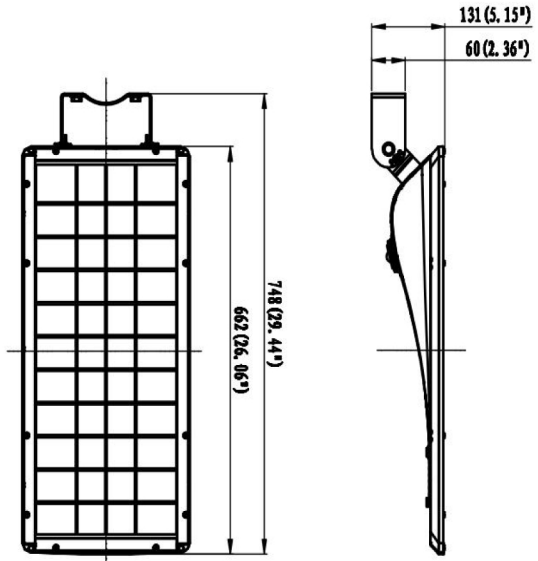
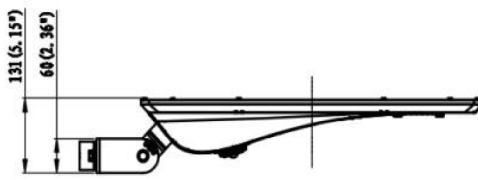
The Controller recognizes day and night based on the Solar Array Open Circuit Voltage, this day/night threshold can be modified according to local light conditions and the Solar Array Used, setting range 3.0 ~8.0V

Unit: mm



Post Top Mount

Side Entry Mount



Pole Clamp Bracket Mount

Wall Mount