



CE RoHS

Electrical Information			
Model No	SL05-40	SL05-50	SL05-60
Power Consumption(η15%)	40W	50W	60W
Battery	LiFePO4 battery		
Battery Capacity	307.2Wh-24Ah	384Wh-30Ah	460.8Wh-36Ah
Solar Panels	Mono-crystalline solar panel		
Solar Panel Wattage	66W		
Charging Time	>6Hrs	>7Hrs	>9Hrs
Operating time	3 - 4 days on default profile with fully charged battery.		
Solar Charge Controller	MPPT		
Working mode	Refer to intelligent control mode		
Control	Timmer dimming/PIR sensor		

Optic Information			
LED Type	LED 2835		
Luminous Flux (η10%)	8000lm	10000lm	12000lm
Efficacy(4000K Ra70)	200lm/W		
Correlated Color Temperature	4000K (3000K, 5000K optional)		
Color Rendering Index	Ra70 (Ra80 optional)		
Beam Angle	Type II (A10801), Type III (A10803), Type V (A10805)		
UGR Level	NA		

### Description

LS0 5 Solar Fin is a new 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 up to 200lm/w with competitive price
- The controller has built in PIR sensor and timer dimming function
- LiFePO4 battery is with longer lifetime, charge for 8 hours which can continuous working for 3 days
- IP65 protection
- Mono-crystalline photovoltaic with a higher conversation efficiency
- Adjustable angle
- Different mounting options

### Applications

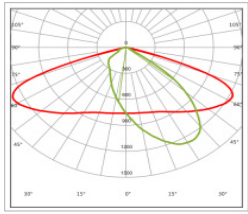
- Village streets
- Urban road
- Courtyard
- Parking lot

Dimensions and Mount			
Product Dimension (Side Entry)	965x429x187mm		
Luminaire Net Weight	13.9±0.3kg	14.4±0.3kg	15±0.3kg
Export Carton Size	1020x520x255mm		
Gross Weight	15.7±0.3kg	16.2±0.3kg	16.8±0.3kg
Mounting Option	Post top mount		
	Side entry mount		
Material	Aluminum alloy		
	Polycarbonate optical lens		
	Lifepo4 battery		
	Mono-crystalline solar panel		
Finish	Powder coating		
Fixture Color	Silver		
EPA	4.95ft <sup>2</sup> /0.46m <sup>2</sup>		
IP Rating	IP65		
Category of corrosion	C3		

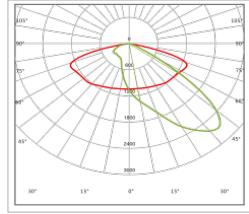
Lifespan and Warranty	
Operating Temperature	0°C to + 50°C
Life Time of LED @Ta=25°C	31000hrs-L90
	64000hrs-L80
	101000hrs-L70
Warranty	Battery 3 Years
	Other accessories 5 Years

New Features	
* Please consult us for details.	

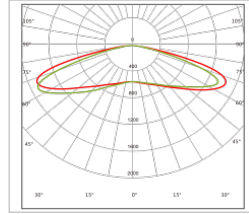
### Photometry



Type II (A10801)



Type III (A10803)



Type V (A10805)

### Mounting Options



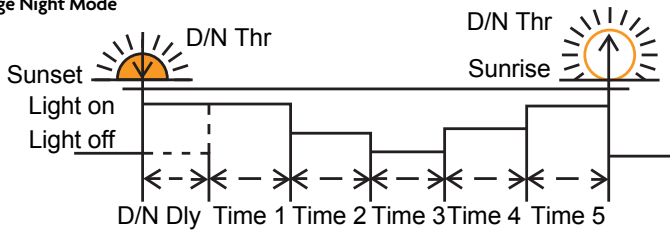
Side Entry Mount



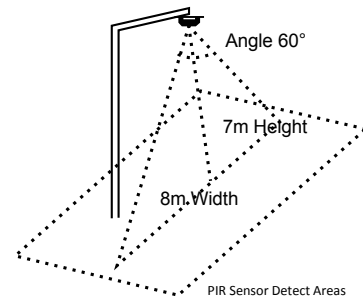
Post Top Mount

### Intelligent Control Mode

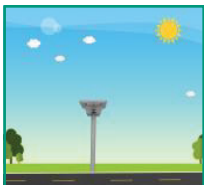
#### 5 Stage Night Mode



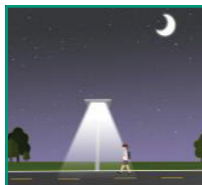
\*You can note the Sensor function is only available at Time 3 and Time 4  
\*Please note the fixtures with 5 stages timer dimming yourself by the remote controller.



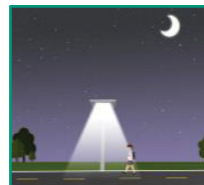
#### Factory Default setting



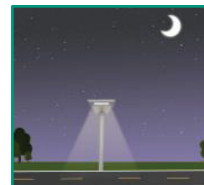
With sufficient natural light, the light keeps charging until sunset.



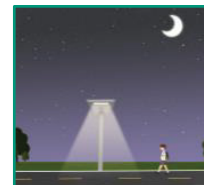
Time 1 (T1) = 0 hours. The light stays at 100% brightness for Time 2 (T2) = 0.5 hours.



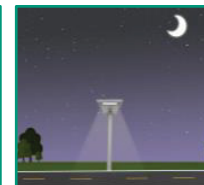
The light stays at 50% brightness when presence is detected during this time period, Time 3 (T3) = 4 hours.



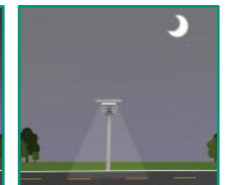
The light stays at 10% brightness when no presence is detected during this time period, Time 3 (T3) = 4 hours.



The light stays at 20% brightness when presence is detected during this variable time period, Time 4 (T4) = TOT. T4 is calculated by the controller.



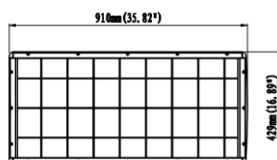
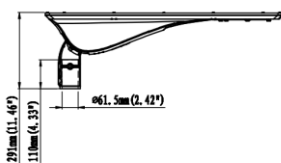
The light stays at 10% brightness when no presence is detected after a 30-second hold during this variable time period, Time 4 (T4) = TOT.



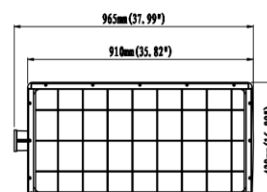
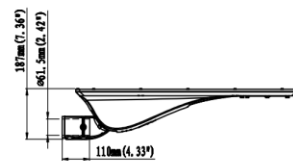
The light stays at 10% brightness for the last 0.5 hours until sunrise, Time 5 (T5) = 0.5 hours.

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

### Dimensions



Post Top Mount



Side Entry Mount

### Accessories



#### Optic lens

High transmittance PC materials,  
UV test approval

Code: please refer to Photometry for  
different beam angle.

Model No:  
LN-SL10-A10802/A10803/A10805



#### Pole mount spigot

ADC12 materials, 15 deg tilt adjustable, for 2 3/8-in  
or 3-in diameter pole.

Model No: MT-SL10-01 (included with fixture)



#### Remote Controller

Remote Controller for Solar Street Light.

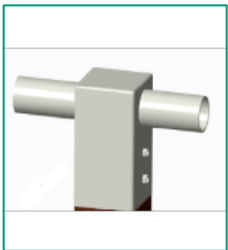
Model No:  
Model No: R-P-SL10



#### Wall mount adaptor for 2 3/8-in diameter Spigot

45 Steel materials, with outdoor powder coating.

Model No: MT-SL10-05



#### T shape pole mount adaptor

Q235 with Akzo Powder Coating materials,  
for 4-in x 4-in square pole.

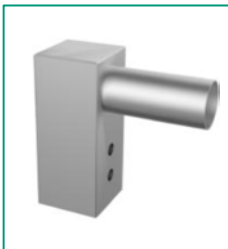
Model No: MT-SL10-03



#### T shape pole mount adaptor

SPCC materials, for 2 3/8-in or 3-in diameter pole.

Model No: MT-SL10-06



#### L shape pole mount adaptor

Q235 materials, for 4-in x 4-in square pole.

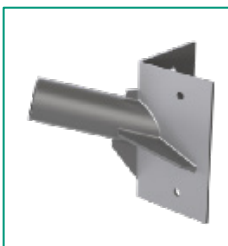
Model No: MT-SL10-04



#### L shape pole mount adaptor

SPCC materials, for 3 1/2-in diameter pole.

Model No: MT-SL10-07



#### Corner mount adaptor

Q235 materials.

Model No: MT-SL10-09



#### L shape pole mount adaptor

SPCC materials, for 2 3/8-in diameter pole.

Model No: MT-SL10-08