



CE RoHS

Description

Hybrilux's Solar Fin Solar Fin is a game changer for Solar lighting. The all in one design with integrated solar panel, battery, smart controller, and motion sensor make this system easy to install and very reliable.

Key Features

- Compact design; lightweight which makes installation simple.
- System efficiency up to 200lm/w with competitive price
- The controller has built in PIR sensor and timer dimming function
- The efficient LiFePO4 battery features extended life with an 8 hour charge can offer 3 days of operation.
- IP65 protection
- Mono-crystalline photovoltaic with a higher conversion efficiency
- Adjustable angle
- Different mounting options

Applications

- Streets
- Urban road
- Courtyard
- Parking lot

Electrical Information

Model No	SL05-10	SL05-20	SL05-30
Power Consumption(η15%)	10W	20W	30W
Battery	LiFePO4 battery		
Battery Capacity	76.8Wh-6Ah	153.6Wh-12Ah	230.4Wh-18Ah
Solar Panels	Mono-crystalline solar panel		
Solar Panel Wattage	36W		
Charging Time	>3Hrs	>6Hrs	>9Hrs
Operating time	3 - 4 days on default profile with fully charged battery.		
Solar Charge Controller	PWM		
Working mode	Refer to Intelligent control		
Control	Timmer dimming/PIR sensor		

Optic Information

LED Type	LED 2835		
Luminous Flux (η10%)	2000lm	4000lm	6000lm
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		

Dimensions and Mount

Product Dimension (Side Entry)	31.7x11.9x5.8"		
Luminaire Net Weight	11.02 LBS	12.56 LBS	13.88 LBS
Export Carton Size	29.52x14.56x7.67"		
Gross Weight	15.87 LBS	17.41 LBS	18.73 LBS
Mounting Option	Post top mount/Side entry mount Pole clamp bracket mount/Wall mount		
Material	Aluminum alloy Polycarbonate optical lens LifePO4 battery Mono-crystalline solar panel		
Finish	Powder coating		
Fixture Color	Silver		
EPA	2.56ft ² /0.23m ²		
IP Rating	IP65		
Category of corrosion	C3		

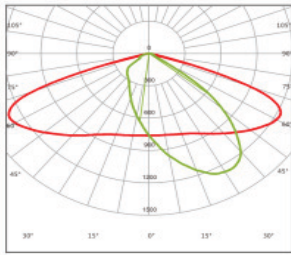
Lifespan and Warranty

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	

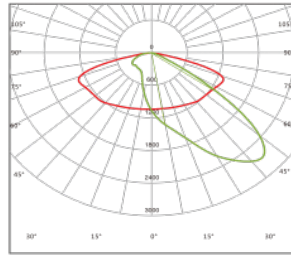
New Features

* Please consult us for details.

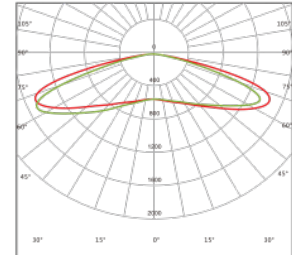
Photometry



Type II (A10801)



Type III (A10803)



Type V (A10805)

Mounting Options



Side Entry Mount



Post Top Mount



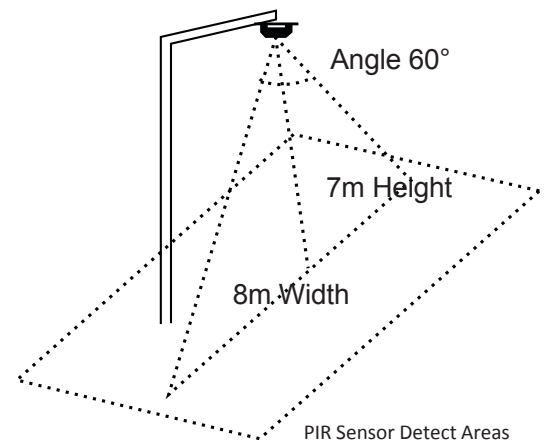
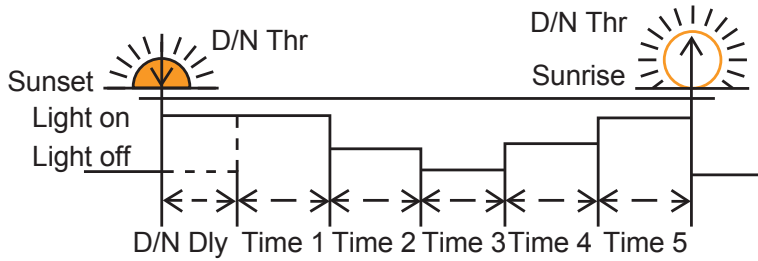
Pole Clamp Mount



Wall Mount

Intelligent Control Mode

5 Stage Night Mode



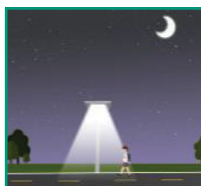
*You can note the Sensor function is only available at Time 3 and Time 4

*Please note the fixtures with 5 stages timer dimming yourself by the remote controller.

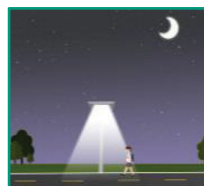
Factory Default setting



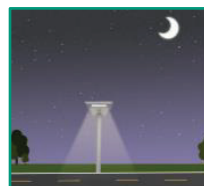
With sufficient natural light, the light keeps charging until sunset.



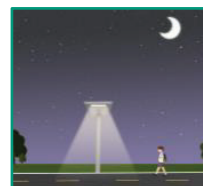
Time 1 (T1) = 0 hours. The light stays at 100% brightness for Time 2 (T2) = 0.5 hours.



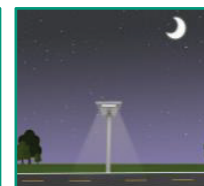
The light stays at 50% brightness when presence is detected during this time period, Time 3 (T3) = 4 hours.



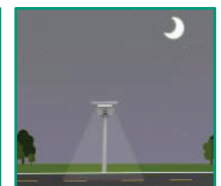
The light stays at 10% brightness when no presence is detected during this time period, Time 3 (T3) = 4 hours.



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.



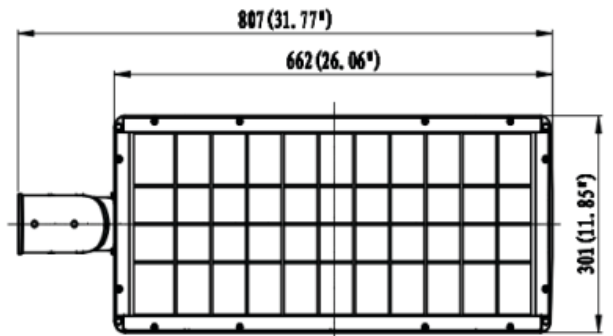
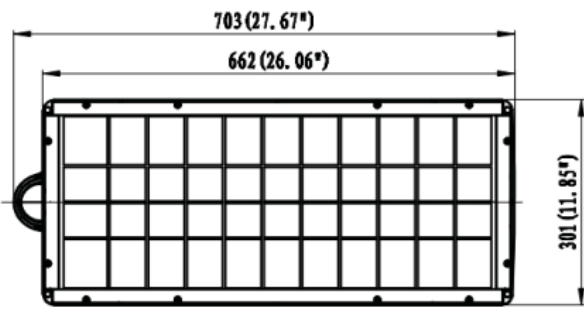
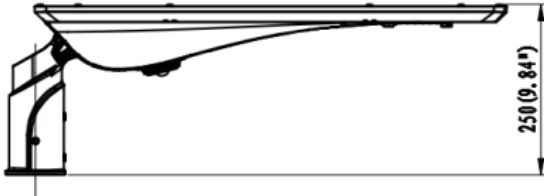
The light stays at 10% brightness when no presence is detected after a 30-second hold during this variable time period, Time 4 (T4) = TOT.



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

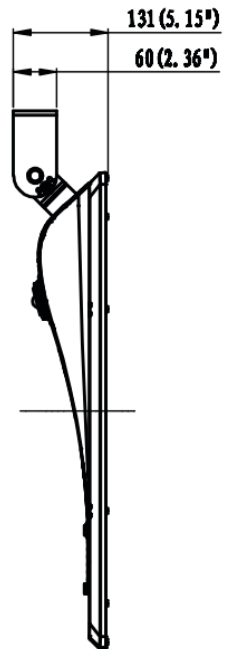
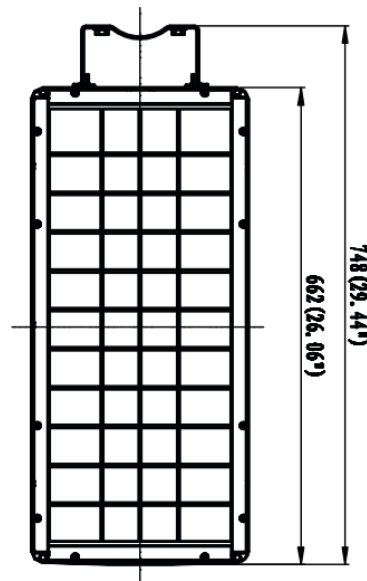
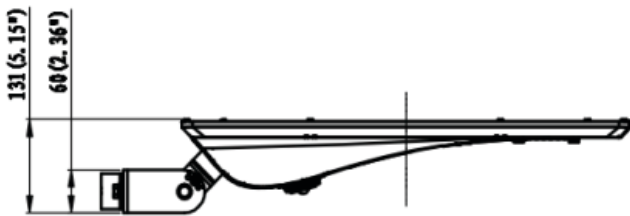
The Controller recognizes day and night based on the Solar Array Open Circuit Voltage, this day/night threshold can be modified according to local light conditions and the Solar Array Used, setting range 3.0 ~8.0V

Dimensions



Post Top Mount

Side Entry Mount



Pole Clamp Bracket Mount

Wall Mount

Accessories



Optic lens

High transmittance PC materials,
UV test approval.

Model No:
LN-SL05-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-SL05-01 (included with fixture)



Pole clam bracket

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

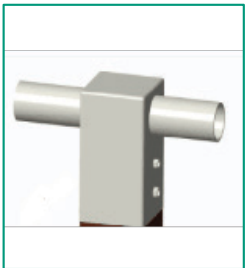
Model No: MT-SL05-02



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

45 Steel materials, with outdoor powder coating.

Model No: MT-SL05-05



T shape pole mount adaptor

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

Model No: MT-SL05-03



T shape pole mount adaptor

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

Model No: MT-SL05-06



L shape pole mount adaptor

Q235 materials, for 100X100mm square pole.

Model No: R-P-SL04



L shape pole mount adaptor

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

Model No: MT-SL05-07



Remote Controller

Remote Controller for Solar Street light.

Model No: R-P-SL05



L shape pole mount adaptor

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

Model No: MT-SL05-08