



CE RoHS

| 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 | | |

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

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 | | |

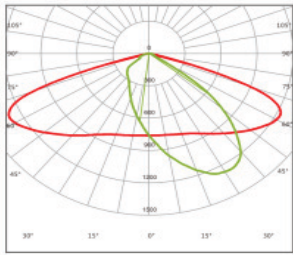
Lifespan and Warranty

| | | | |
|---------------------------|-------------------|---------|--|
| 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 | |

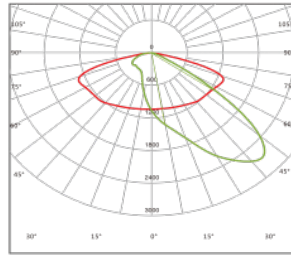
New Features

* Please consult us for details.

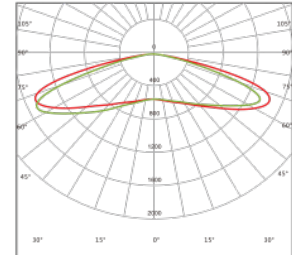
Photometry



Type II (A10801)



Type III (A10803)



Type V (A10805)

Mounting Options



Side Entry Mount



Post Top Mount



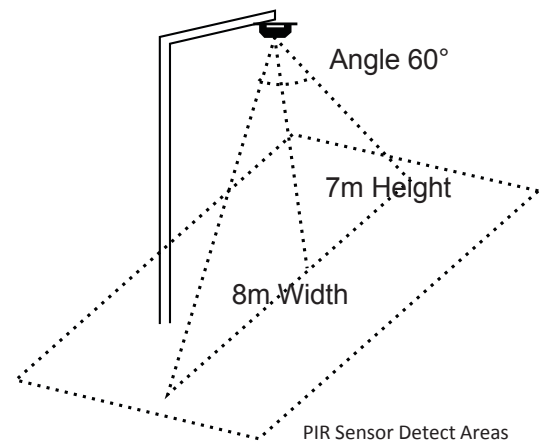
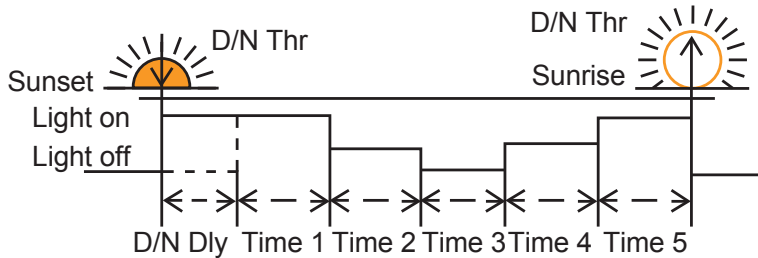
Pole Clamp Mount



Wall Mount

Intelligent Control Mode

5 Stage Night Mode



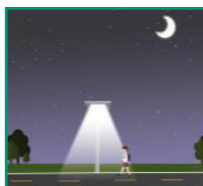
*You can note the Sensor function is only available at Time 3 and Time 4

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

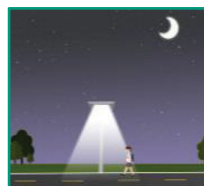
Factory Default setting



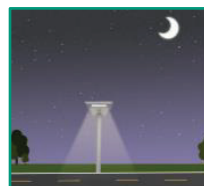
With sufficient natural light, the light keeps charging until sunset.



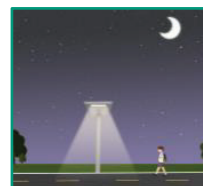
Time 1 (T1) = 0 hours. The light stays at 100% brightness for Time 2 (T2) = 0.5 hours.



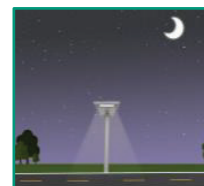
The light stays at 50% brightness when presence is detected during this time period, Time 3 (T3) = 4 hours.



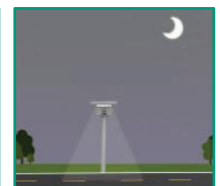
The light stays at 10% brightness when no presence is detected during this time period, Time 3 (T3) = 4 hours.



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.



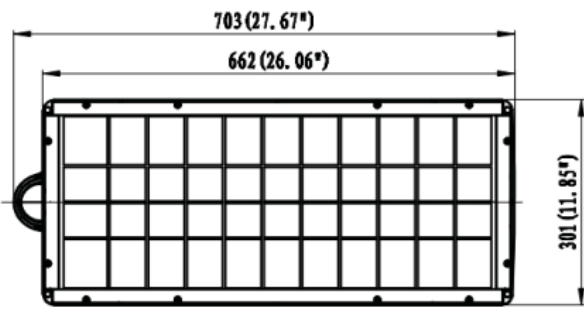
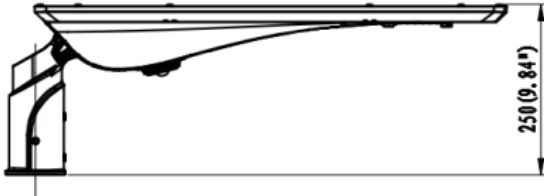
The light stays at 10% brightness when no presence is detected after a 30-second hold during this variable time period, Time 4 (T4) = TOT.



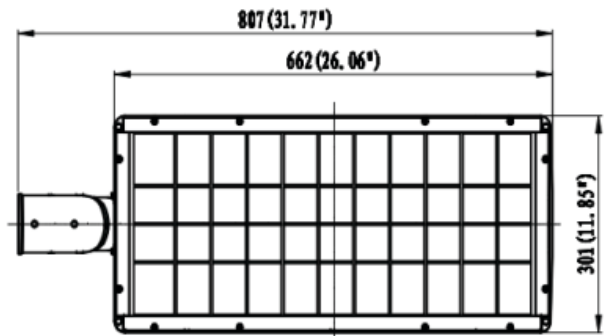
The light stays at 10% brightness for the last 0.5 hours until sunrise, Time 5 (T5) = 0.5 hours.

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

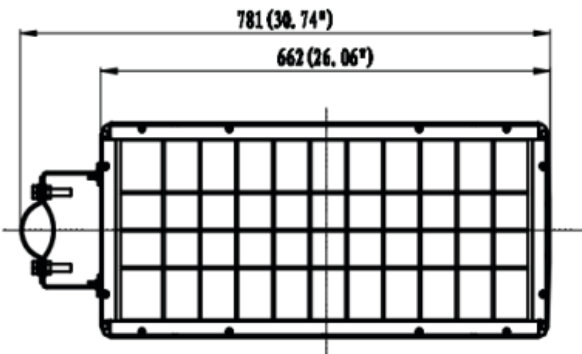
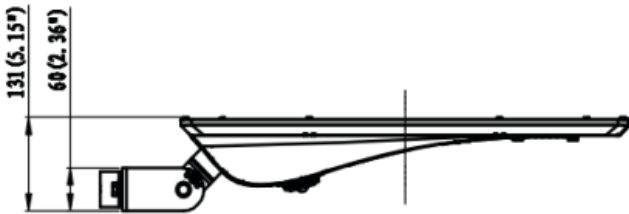
Dimensions



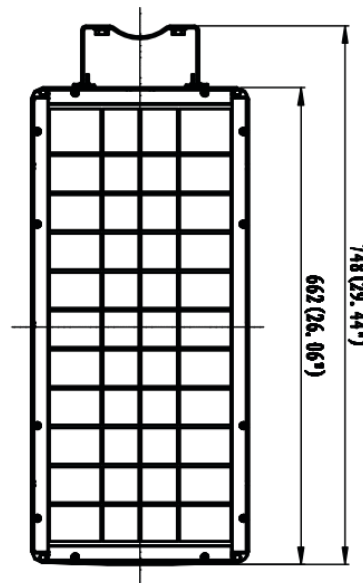
Post Top Mount



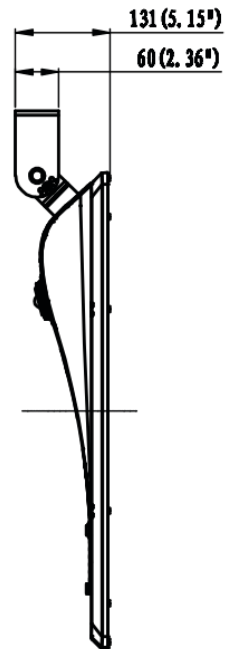
Side Entry Mount



Pole Clamp Bracket Mount



Wall Mount



Accessories



Optic lens

High transmittance PC materials,
UV test approval.

Model No:
LN-SL05-A10801/A10803/A10805



Pole mount spigot

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

Model No: MT-SL05-01A/01B (included with fixture)



Pole clamp bracket

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

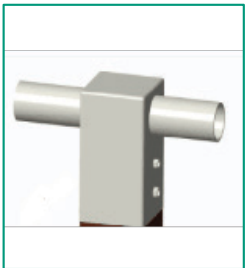
Model No: MT-SL05-02



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-SL05-06A/06B



L shape pole mount adaptor

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

Model No: R-P-SL04



L shape pole mount adaptor

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

Model No: MT-SL05-07B



Remote Control

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-SL05-07A