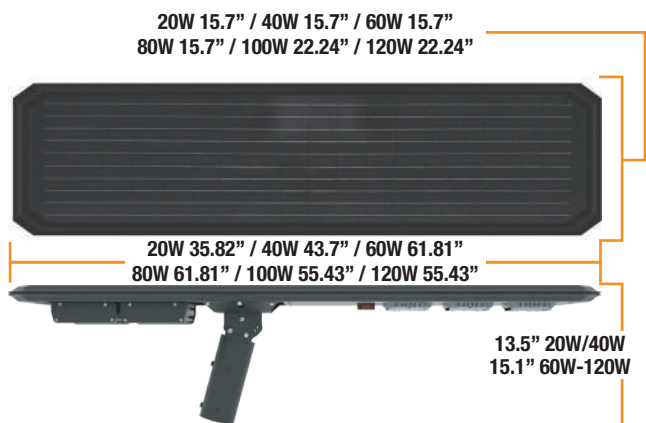


# POLLUX™

## Solar Area Light



Our Pollux Solar Area Light is economical, easy to install, completely off grid, unique new design with all the solar lighting advantages is great solution for area such as pathway, parking lot, roadway, trails or any remote area that have no access to conventional Power. Our Pollux features an integrated solar panel, battery and Light fixture with easy to install mounting eliminates trenching to bury electrical wires and the savings continues since there is no monthly electrical bill.

- Economical, Easily to install, all in one integrated with fixture on one side and panel on the other side.
- Philips High Efficiency LEDs with heat dissipation design, pure aluminum lamp base with seal lens for an optimal lighting and life span.
- Batwing Lens for a perfect illumination and uniformity
- The light automatically switches on at dusk and switches off at dawn. 30% permanent lighting, when motion is detected power turns to 100%.
- Eco-Friendly and safe LifePO4 battery and discharge over 2000 times has life span of more then 10 years
- MPPT controller automatically track the maximum power point according to the weather variation, charging rate 16 to 30%
- 140 Lumen per watt and IP65 Rated
- 5 Years limited warranty on all components

### Features

- IP68 Rated
- Anti Black Out Intelligent Management
- Extreme Temp Rating: -4°F to 149°F
- 97% Charging Efficiency
- Battery Life Span Over 10 Years
- IR Remote Control Monitoring
- Anti-Theft Hardware
- 4 Levels of Dimming Design & Auto Identify Day/Night



# POLLUX™

## Solar Area Light

### Specifications

| Model #      | SKU #  | Power | PV Type | Solar Panel | Lithium Battery | Lumens  | CCT   | Charge Time (Hrs) | Weight (Lb) | Installation Height (Ft) |
|--------------|--------|-------|---------|-------------|-----------------|---------|-------|-------------------|-------------|--------------------------|
| AVS-PRO-20W  | 990101 | 20W   | MONO    | 60W         | 18AH            | 2800LM  | 5000K | 6-7 Hrs           | 27.5        | 15                       |
| AVS-PRO-40W  | 990102 | 40W   | MONO    | 72W         | 24AH            | 5600LM  | 5000K | 6-7 Hrs           | 34.78       | 20                       |
| AVS-PRO-60W  | 990103 | 60W   | MONO    | 105W        | 42AH            | 8400LM  | 5000K | 6-7 Hrs           | 51.8        | 20                       |
| AVS-PRO-80W  | 990104 | 80W   | MONO    | 105W        | 52AH            | 11000LM | 5000K | 6-7 Hrs           | 54.01       | 25                       |
| AVS-PRO-100W | 990106 | 100W  | MONO    | 140W        | 62AH            | 14000LM | 5000K | 6-7 Hrs           | 60.17       | 25                       |
| AVS-PRO-120W | 990107 | 120W  | MONO    | 140W        | 72AH            | 16800lm | 5000K | 6-7 Hrs           | 62.37       | 30                       |

ALL YOU NEED IN ONE SOLAR LIGHT



**+ EASY MAINTENANCE**  
with a direct access to battery and controller.

**ORIGINAL NEW DESIGN**

### Applications

- Apartment Complex
- Office Buildings
- Pathways
- Parking Lots
- Highways
- Sidewalks

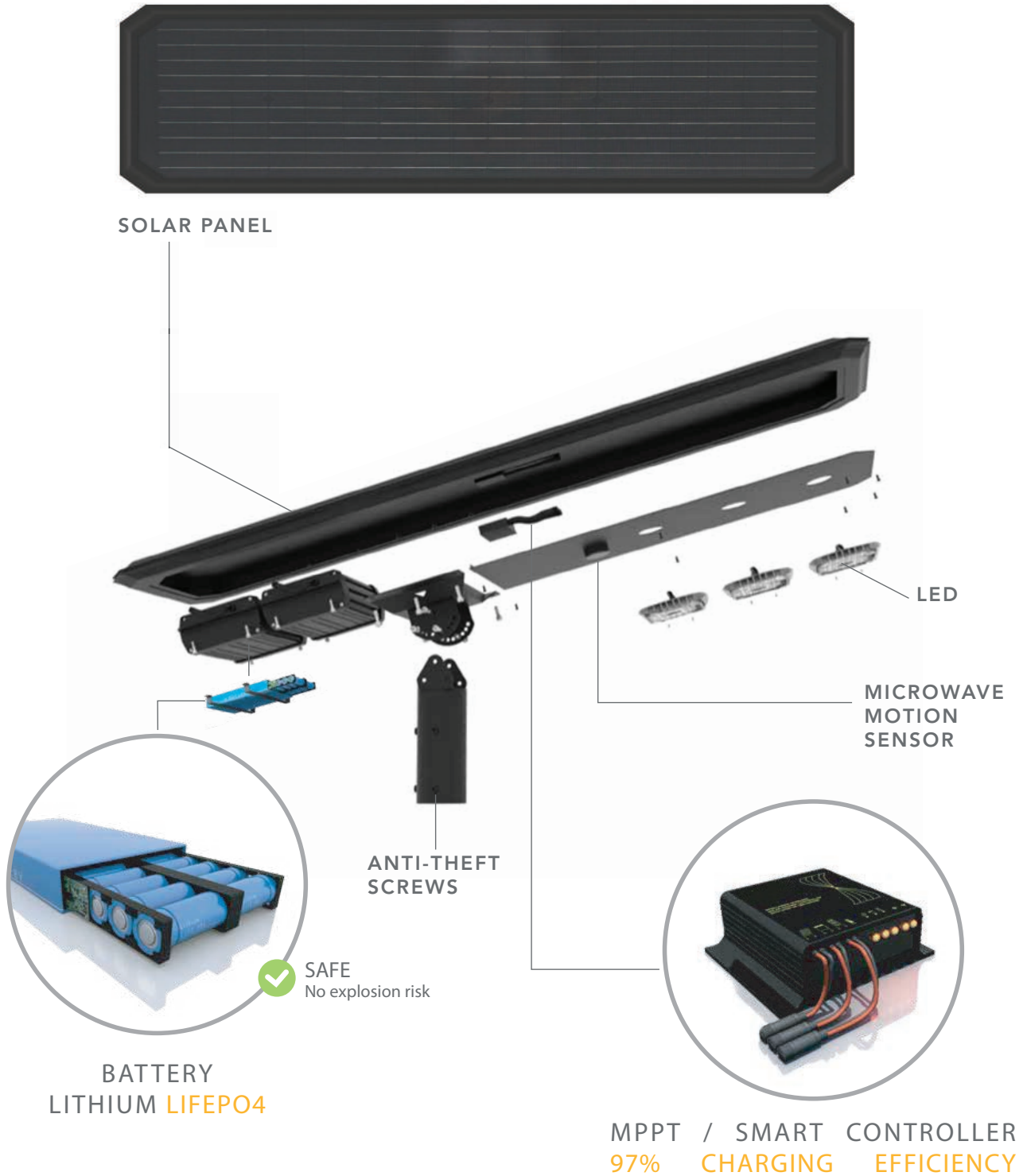
**+ HEAT-SINK HOLE**  
Perfect heat dissipation of the battery and components with natural air flow



SOLAR AREA LIGHT

# POLLUX™ Solar Area Light

## Product Design and Benefits



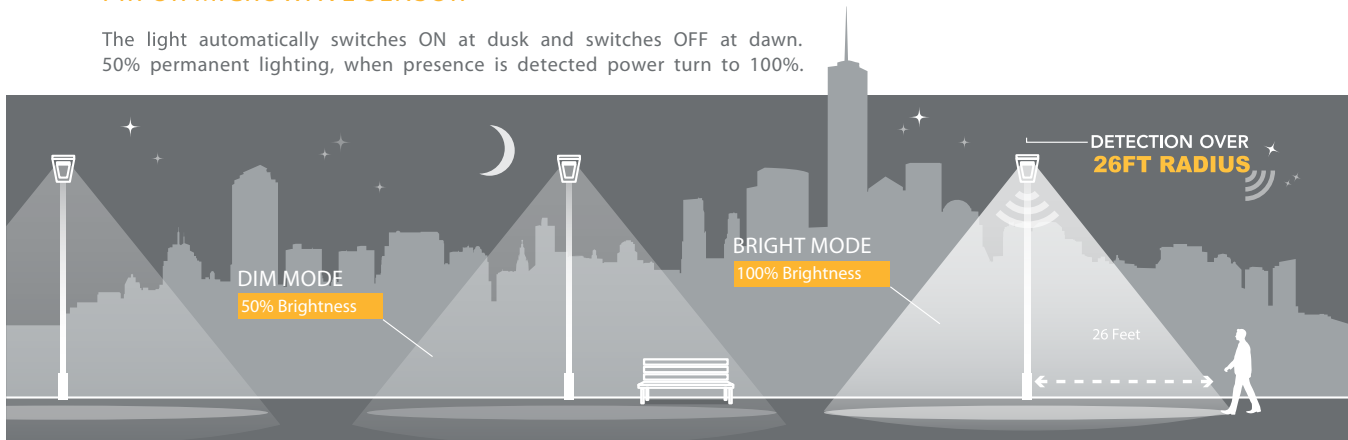
# POLLUX™

## Solar Area Light

### Motion Sensor

#### PIR OR MICROWAVE SENSOR

The light automatically switches ON at dusk and switches OFF at dawn. 50% permanent lighting, when presence is detected power turn to 100%.



#### ANTI BLACK OUT

Optimal component calibration and intelligent management system



#### UNEQUALED LIFETIME

Selection of the latest and highest component technology

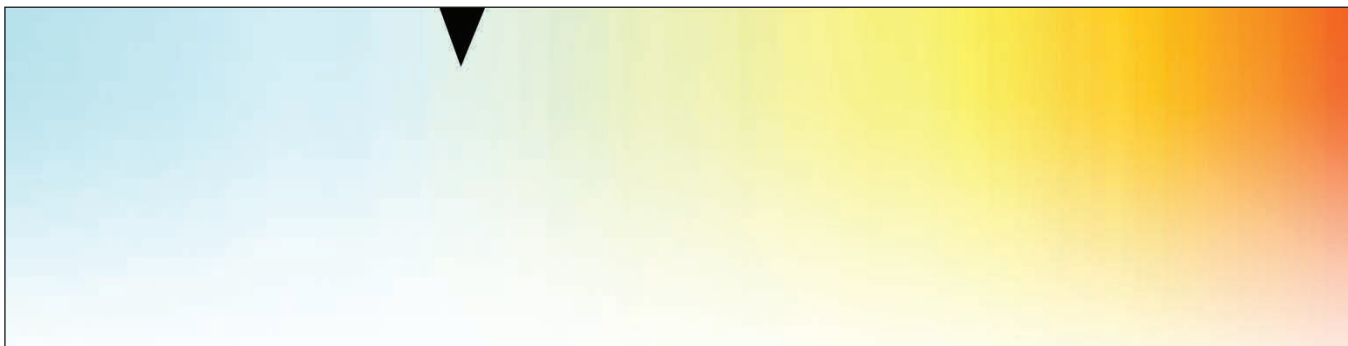


#### EXTREME TEMPERATURE

Resistant -4°F to 149°F

### Correlated Color Temperature

5000K



Cool White

Neutral White

Warm White



# POLLUX™ Solar Area Light

## Lithium LifePO4 Battery

The Solar All in One PRO Street Light is equipped with Iron Phosphate Lithium LiFePo4 battery. This technology has proved to be **the best chemical technology** for solar application on the market.

With a cycle life of **over 4000 Cycles @ 80% DOD**, the battery enjoys **over 10 years lifetime**.

### EASY MAINTENANCE & ANTI THEFT SCREWS



**Easy and direct access to the battery** casing for maintenance. The fixation are made with **anti theft screws**, which request special tooling to unscrew.

### ELECTRONIC PROTECTION BATTERY MANAGEMENT SYSTEM (BMS)



The electronic algorithm **protects the battery** from operating outside its safe area. Monitoring its state, calculating secondary data, reporting that data, controlling its environment, authenticating it and / or balancing it.

The BMS offers **MULTI PROTECTION** :

- OVER/UNDER LOAD
- OVER/UNDER CURRENT
- OVER/UNDER VOLTAGE
- OVER CHARGE & DISCHARGE
- TEMPERATURE MANAGEMENT

### \* EXTREME TEMPERATURE DOWN TO 14°F.

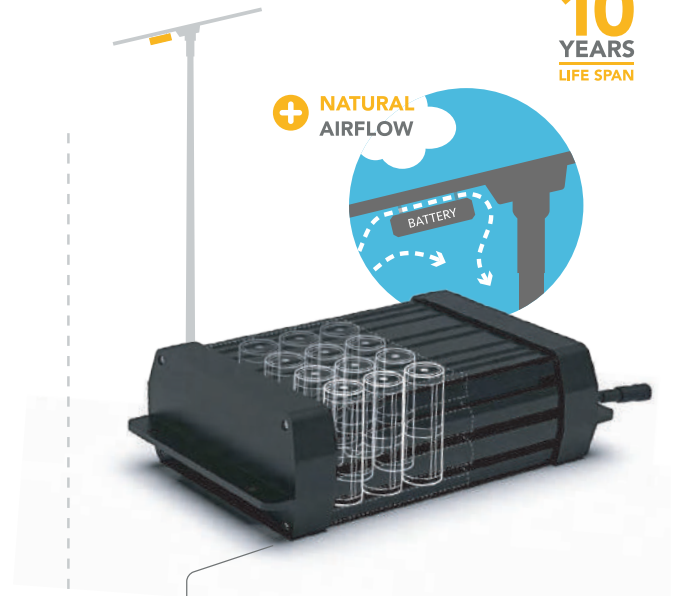
Standard Lithium LiFePo4 batteries have a working temperature range from 14°F to 158°F.

### 5 YEARS WARRANTY

With **Full battery Replacement**.



OVER  
**10**  
YEARS  
LIFE SPAN



### ALUMINUM WATERPROOF CASING & NATURAL AIRFLOW

**High temperatures greatly affect the battery's lifetime.** This is why our batteries are encapsulated in an aluminum waterproof casing for a **perfect heat dissipation**.

In addition to that, the casing enjoy a natural airflow which keeps the battery to ambient temperature.



# POLLUX™

## Solar Area Light

### Smart MPPT Controller

The Solar All in One PRO Street Light is equipped with a High Quality MPPT Controller, using **top technology semiconductors**.

#### FEATURES

##### HIGH TRANSFER EFFICIENCY

Charging efficiency up to 98%

##### MINIMAL STAND-BY POWER CONSUMPTION

Current consumption  $\leq 10\text{mA}$

##### INTELLIGENT BATTERY MANAGEMENT **3 Phases charging** :

MPPT Charge / Constant Voltage / Floating Voltage.

**INTELLIGENT LED DRIVER** Auto detecting of Dusk and Dawn for automatic operation, 7 Lighting Programs Configuration.



#### ANTI BLACK OUT

**ANTI BLACK OUT** : Load adjust according to battery capacity assuring all night long lighting in any weather conditions.

#### BATTERY & SYSTEM PROTECTION :

- OVER / UNDER LOAD
- OVER / UNDER CURRENT
- OVER / UNDER VOLTAGE
- OVER CHARGE & DISCHARGE
- TEMPERATURE MANAGEMENT



SOLAR AREA LIGHT



# POLLUX™

## Solar Area Light

### AVS-PRO-20W

|                      |  |
|----------------------|--|
| LED POWER            | 20 WATT  |
| <b>LUMINOUS FLUX</b> | <b>3000 LUMENS</b>   |
| <b>LIGHTING</b>      |  |
| Efficiency           | 150 LUMENS / WATT  |
| Chips                | <b>PHILIPS LUXEON</b>                                      |
| LED Lifetime         | OVER 50000 HOURS LM80                                      |
| Lighting Angle       | 99,2 DEGREE  |
| Light Height         | 9.8 FT TO 13.1 FT  |
| <b>STORAGE</b>       |  |
| Technology           | LITHIUM IRON PHOSPHATE <b>LIFEPO4 - 26650</b>              |
| Capacity             | 18 AH 12.8 VOLTS   |
| Autonomy             | OVER <b>24 HOURS</b> AT FULL CHARGE - 4 RAINY DAYS BACK UP |
| Charging time        | 6-7 HOURS  |
| Lifespan             | OVER 4000 CYCLES @ 80% DOD OVER 10 YEARS LIFETIME          |
| Working Temp.        | 14°F TO 158°F  |
| <b>ENERGY</b>        |  |
| Solar panel          | 60 WATTS /18V  |
| Cells type           | MONOCRYSTALLINE PANEL <b>GRADE A 25 YEARS</b>              |
| Certificates         | IEC 61215 ; IEC 61730 I AND II ; IEC 60904                 |
| <b>ELECTRONIC</b>    |  |
| Controller           | <b>MPPT SMART CONTROLLER</b> (REMOTE MONITORING OPTIONAL)  |
| Sensor               | <b>MICROWAVE 360 DEGREE</b> MOTION SENSOR                  |
| Cabling              | WATERPROOF CONNECTOR, PLUG AND PLAY                        |
| Protection           | <b>OVER</b> LOAD/CURRENT/TEMP°/VOLTAGE/CHARGE/DISCHARGE    |
| Certificates         | EN 55015 ; EN 61000  |
| <b>MECHANICAL</b>    |  |
| EPA ( m2/ ft2 )      | 0,280 / 3,01   |
| Wind Load Rate       | 111.847 MPH  |
| Pole Mounting Ø      | 3.50394 IN   |



# POLLUX™

## Solar Area Light

### AVS-PRO-40W

|                      |  |
|----------------------|--|
| LED POWER            | 40 WATT  |
| <b>LUMINOUS FLUX</b> | <b>6000 LUMENS</b>   |
| <b>LIGHTING</b>      |  |
| Efficiency           | 150 LUMENS / WATT  |
| Chips                | <b>PHILIPS LUXEON</b>                                      |
| LED Lifetime         | OVER 50000 HOURS LM80                                      |
| Lighting Angle       | 99,2 DEGREE  |
| Light Height         | 13.1 FT TO 16.4 FT   |
| <b>STORAGE</b>       |  |
| Technology           | LITHIUM IRON PHOSPHATE <b>LIFEPO4 - 26650</b>              |
| Capacity             | 24 AH 12.8 VOLTS   |
| Autonomy             | OVER <b>24 HOURS</b> AT FULL CHARGE - 4 RAINY DAYS BACK UP |
| Charging time        | 6-7 HOURS  |
| Lifespan             | OVER 4000 CYCLES @ 80% DOD OVER 10 YEARS LIFETIME          |
| Working Temp.        | 14°F TO 158°F  |
| <b>ENERGY</b>        |  |
| Solar panel          | 72 WATTS /18V  |
| Cells type           | MONOCRYSTALLINE PANEL <b>GRADE A 25 YEARS</b>              |
| Certificates         | IEC 61215 ; IEC 61730 I AND II ; IEC 60904                 |
| <b>ELECTRONIC</b>    |  |
| Controller           | <b>MPPT SMART CONTROLLER</b> (REMOTE MONITORING OPTIONAL)  |
| Sensor               | <b>MICROWAVE 360 DEGREE</b> MOTION SENSOR                  |
| Cabling              | WATERPROOF CONNECTOR, PLUG AND PLAY                        |
| Protection           | <b>OVER</b> LOAD/CURRENT/TEMP°/VOLTAGE/CHARGE/DISCHARGE    |
| Certificates         | EN 55015 ; EN 61000  |
| <b>MECHANICAL</b>    |  |
| EPA ( m2/ ft2 )      | 0,330 / 3,55   |
| Wind Load Rate       | 111.847 MPH  |
| Pole Mounting Ø      | 3.50394 IN   |





# POLLUX™

## Solar Area Light

### AVS-PRO-60W

|                      |  |
|----------------------|--|
| LED POWER            | 60 WATT  |
| <b>LUMINOUS FLUX</b> | <b>9000 LUMENS</b>   |
| <b>LIGHTING</b>      |  |
| Efficiency           | 150 LUMENS / WATT  |
| Chips                | <b>PHILIPS LUXEON</b>                                      |
| LED Lifetime         | OVER 50000 HOURS LM80                                      |
| Lighting Angle       | 99,2 DEGREE  |
| Light Height         | 19.7 FT TO 26.2 FT   |
| <b>STORAGE</b>       |  |
| Technology           | LITHIUM IRON PHOSPHATE <b>LIFEPO4 - 26650</b>              |
| Capacity             | 42 AH 12.8 VOLTS   |
| Autonomy             | OVER <b>24 HOURS</b> AT FULL CHARGE - 4 RAINY DAYS BACK UP |
| Charging time        | 6-7 HOURS  |
| Lifespan             | OVER 4000 CYCLES @ 80% DOD OVER 10 YEARS LIFETIME          |
| Working Temp.        | 14°F TO 158°F  |
| <b>ENERGY</b>        |  |
| Solar panel          | 105 WATTS /18V   |
| Cells type           | <b>MONOCRYSTALLINE PANEL GRADE A 25 YEARS</b>              |
| Certificates         | IEC 61215 ; IEC 61730 I AND II ; IEC 60904                 |
| <b>ELECTRONIC</b>    |  |
| Controller           | <b>MPPT SMART CONTROLLER</b> (REMOTE MONITORING OPTIONAL)  |
| Sensor               | <b>MICROWAVE 360 DEGREE</b> MOTION SENSOR                  |
| Cabling              | <b>WATERPROOF CONNECTOR, PLUG AND PLAY</b>                 |
| Protection           | <b>OVER</b> LOAD/CURRENT/TEMP°/VOLTAGE/CHARGE/DISCHARGE    |
| Certificates         | EN 55015 ; EN 61000  |
| <b>MECHANICAL</b>    |  |
| EPA ( m2/ ft2 )      | 0,350 / 3,77   |
| Wind Load Rate       | 111.847 MPH  |
| Pole Mounting Ø      | 3.50394 IN   |



# POLLUX™

## Solar Area Light

### AVS-PRO-80W

|                      |  |
|----------------------|--|
| LED POWER            | 80 WATT  |
| <b>LUMINOUS FLUX</b> | <b>12000 LUMENS</b>  |
| <b>LIGHTING</b>      |  |
| Efficiency           | 150 LUMENS / WATT  |
| Chips                | <b>PHILIPS LUXEON</b>                                      |
| LED Lifetime         | OVER 50000 HOURS LM80                                      |
| Lighting Angle       | 99,2 DEGREE  |
| Light Height         | 19.7 FT TO 26.2 FT   |
| <b>STORAGE</b>       |  |
| Technology           | LITHIUM IRON PHOSPHATE <b>LIFEPO4 - 26650</b>              |
| Capacity             | 52 AH 12.8 VOLTS   |
| Autonomy             | OVER <b>24 HOURS</b> AT FULL CHARGE - 4 RAINY DAYS BACK UP |
| Charging time        | 6-7 HOURS  |
| Lifespan             | OVER 4000 CYCLES @ 80% DOD OVER 10 YEARS LIFETIME          |
| Working Temp.        | 14°F TO 158°F  |
| <b>ENERGY</b>        |  |
| Solar panel          | 105 WATTS /18V   |
| Cells type           | MONOCRYSTALLINE PANEL <b>GRADE A 25 YEARS</b>              |
| Certificates         | IEC 61215 ; IEC 61730 I AND II ; IEC 60904                 |
| <b>ELECTRONIC</b>    |  |
| Controller           | <b>MPPT SMART CONTROLLER</b> (REMOTE MONITORING OPTIONAL)  |
| Sensor               | <b>MICROWAVE 360 DEGREE</b> MOTION SENSOR                  |
| Cabling              | WATERPROOF CONNECTOR, PLUG AND PLAY                        |
| Protection           | <b>OVER</b> LOAD/CURRENT/TEMP°/VOLTAGE/CHARGE/DISCHARGE    |
| Certificates         | EN 55015 ; EN 61000  |
| <b>MECHANICAL</b>    |  |
| EPA ( m2/ ft2 )      | 0,350 / 3,77   |
| Wind Load Rate       | 111.847 MPH  |
| Pole Mounting Ø      | 3.50394 IN   |

SOLAR AREA LIGHT



# POLLUX™

## Solar Area Light

### AVS-PRO-100W

|                      |  |
|----------------------|--|
| LED POWER            | 100 WATT   |
| <b>LUMINOUS FLUX</b> | <b>15000 LUMENS</b>  |
| <b>LIGHTING</b>      |  |
| Efficiency           | 150 LUMENS / WATT  |
| Chips                | <b>PHILIPS LUXEON</b>                                      |
| LED Lifetime         | OVER 50000 HOURS LM80                                      |
| Lighting Angle       | 116 DEGREE   |
| Light Height         | 19.7 FT TO 26.2 FT   |
| <b>STORAGE</b>       |  |
| Technology           | LITHIUM IRON PHOSPHATE <b>LIFEPO4 - 26650</b>              |
| Capacity             | 62 AH 12.8 VOLTS   |
| Autonomy             | OVER <b>24 HOURS</b> AT FULL CHARGE - 4 RAINY DAYS BACK UP |
| Charging time        | 6-7 HOURS  |
| Lifespan             | OVER 4000 CYCLES @ 80% DOD OVER 10 YEARS LIFETIME          |
| Working Temp.        | 14°F TO 158°F  |
| <b>ENERGY</b>        |  |
| Solar panel          | 140 WATTS /18V   |
| Cells type           | <b>MONOCRYSTALLINE PANEL GRADE A 25 YEARS</b>              |
| Certificates         | IEC 61215 ; IEC 61730 I AND II ; IEC 60904                 |
| <b>ELECTRONIC</b>    |  |
| Controller           | <b>MPPT SMART CONTROLLER</b> (REMOTE MONITORING OPTIONAL)  |
| Sensor               | <b>MICROWAVE 360 DEGREE</b> MOTION SENSOR                  |
| Cabling              | <b>WATERPROOF CONNECTOR, PLUG AND PLAY</b>                 |
| Protection           | <b>OVER</b> LOAD/CURRENT/TEMP°/VOLTAGE/CHARGE/DISCHARGE    |
| Certificates         | EN 55015 ; EN 61000  |
| <b>MECHANICAL</b>    |  |
| EPA ( m2/ ft2 )      | 0,360 / 3,88   |
| Wind Load Rate       | 111.847 MPH  |
| Pole Mounting Ø      | 3.50394 IN   |



# POLLUX™

## Solar Area Light

### AVS-PRO-120W

|                      |  |
|----------------------|--|
| LED POWER            | 120 WATT   |
| <b>LUMINOUS FLUX</b> | <b>18000 LUMENS</b>  |
| <b>LIGHTING</b>      |  |
| Efficiency           | 150 LUMENS / WATT  |
| Chips                | <b>PHILIPS LUXEON</b>                                      |
| LED Lifetime         | OVER 50000 HOURS LM80                                      |
| Lighting Angle       | 116 DEGREE   |
| Light Height         | 19.7 FT TO 26.2 FT   |
| <b>STORAGE</b>       |  |
| Technology           | LITHIUM IRON PHOSPHATE <b>LIFEPO4 - 26650</b>              |
| Capacity             | 72 AH 12.8 VOLTS   |
| Autonomy             | OVER <b>24 HOURS</b> AT FULL CHARGE - 4 RAINY DAYS BACK UP |
| Charging time        | 6-7 HOURS  |
| Lifespan             | OVER 4000 CYCLES @ 80% DOD OVER 10 YEARS LIFETIME          |
| Working Temp.        | 14°F TO 158°F  |
| <b>ENERGY</b>        |  |
| Solar panel          | 140 WATTS /18V   |
| Cells type           | MONOCRYSTALLINE PANEL <b>GRADE A 25 YEARS</b>              |
| Certificates         | IEC 61215 ; IEC 61730 I AND II ; IEC 60904                 |
| <b>ELECTRONIC</b>    |  |
| Controller           | <b>MPPT SMART CONTROLLER</b> (REMOTE MONITORING OPTIONAL)  |
| Sensor               | <b>MICROWAVE 360 DEGREE</b> MOTION SENSOR                  |
| Cabling              | WATERPROOF CONNECTOR, PLUG AND PLAY                        |
| Protection           | <b>OVER</b> LOAD/CURRENT/TEMP°/VOLTAGE/CHARGE/DISCHARGE    |
| Certificates         | EN 55015 ; EN 61000  |
| <b>MECHANICAL</b>    |  |
| EPA ( m2/ ft2 )      | 0,360 / 3,88   |
| Wind Load Rate       | 111.847 MPH  |
| Pole Mounting Ø      | 3.50394 IN   |


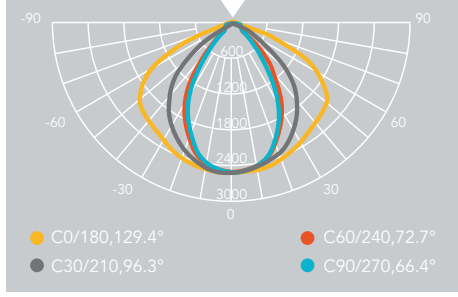


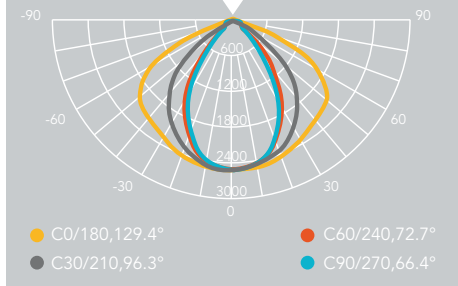


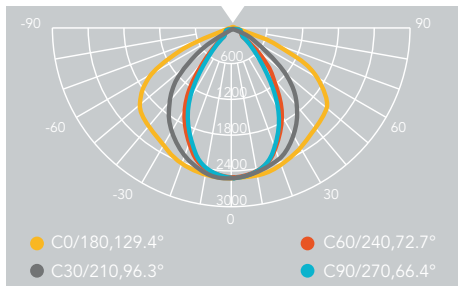

SOLAR AREA LIGHT



# POLLUX™

## Solar Area Light

### Light Distribution

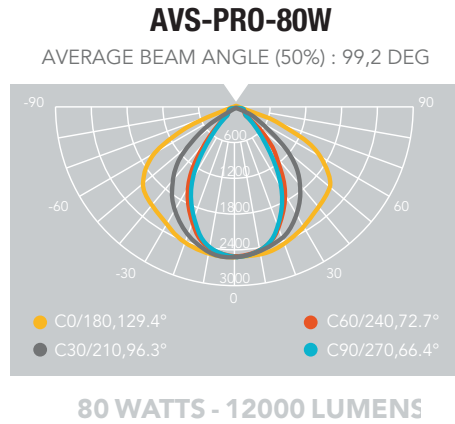
|  |  |   |
|--|--|---|
|  <p><b>IP<sub>66</sub></b></p> <p>LED LIGHTING<br/>PHILIPS LUXEON</p>   | <p><b>AVS-PRO-20W</b></p> <p>AVERAGE BEAM ANGLE (50%) : 99,2 DEG</p>  <p>● C0/180,129.4°      ● C60/240,72.7°<br/>● C30/210,96.3°      ● C90/270,66.4°</p>   | <p><b>SOLAR PANEL 60 WATTS</b></p>  <p>GRADE <b>A</b><br/>Solar cells</p>    |
| <b>20 WATTS - 3000 LUMENS</b>  |  |   |
| ▶ LIGHT SOURCE <b>3030</b>   LED QTY (PCS) <b>40</b>   LENS (PCS) <b>1</b>   CRI > <b>70</b>   |  |   |
|  <p><b>IP<sub>66</sub></b></p> <p>LED LIGHTING<br/>PHILIPS LUXEON</p>  | <p><b>AVS-PRO-40W</b></p> <p>AVERAGE BEAM ANGLE (50%) : 99,2 DEG</p>  <p>● C0/180,129.4°      ● C60/240,72.7°<br/>● C30/210,96.3°      ● C90/270,66.4°</p>  | <p><b>SOLAR PANEL 72 WATTS</b></p>  <p>GRADE <b>A</b><br/>Solar cells</p>   |
| <b>40 WATTS - 6000 LUMENS</b>  |  |   |
| ▶ LIGHT SOURCE <b>3030</b>   LED QTY (PCS) <b>40</b>   LENS (PCS) <b>2</b>   CRI > <b>70</b>   |  |   |
|  <p><b>IP<sub>66</sub></b></p> <p>LED LIGHTING<br/>PHILIPS LUXEON</p> | <p><b>AVS-PRO-60W</b></p> <p>AVERAGE BEAM ANGLE (50%) : 99,2 DEG</p>  <p>● C0/180,129.4°      ● C60/240,72.7°<br/>● C30/210,96.3°      ● C90/270,66.4°</p> | <p><b>SOLAR PANEL 105 WATTS</b></p>  <p>GRADE <b>A</b><br/>Solar cells</p> |
| <b>60 WATTS - 9000 LUMENS</b>  |  |   |
| ▶ LIGHT SOURCE <b>3030</b>   LED QTY (PCS) <b>40</b>   LENS (PCS) <b>3</b>   CRI > <b>70</b>   |  |   |



# POLLUX™

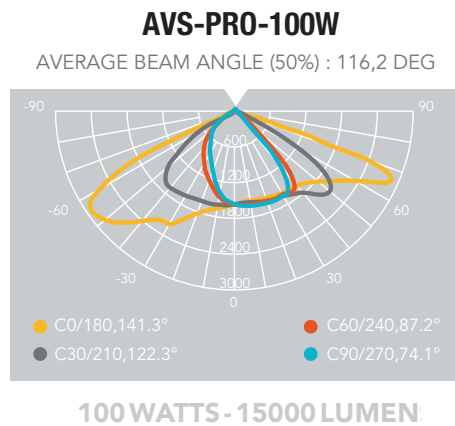
## Solar Area Light

### Light Distribution



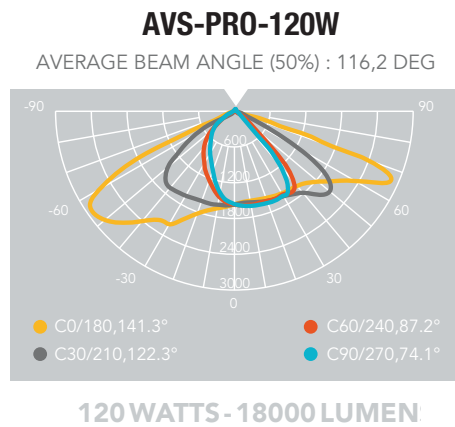
► LIGHT SOURCE 3030 | LED QTY (PCS) 40 | LENS (PCS) 3 | CRI > 70

**SOLAR PANEL 105 WATTS**



► LIGHT SOURCE 3030 | LED QTY (PCS) 40 | LENS (PCS) 1 | CRI > 70

**SOLAR PANEL 140 WATTS**



► LIGHT SOURCE 3030 | LED QTY (PCS) 40 | LENS (PCS) 1 | CRI > 70

**SOLAR PANEL 140 WATTS**



SOLAR AREA LIGHT

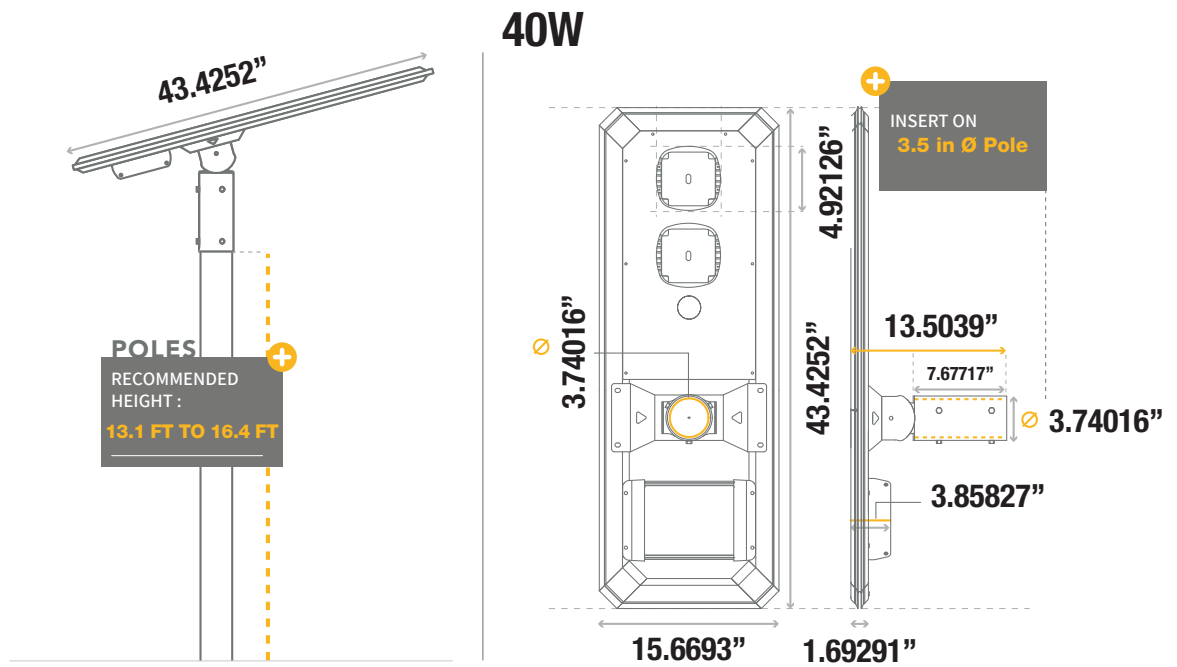
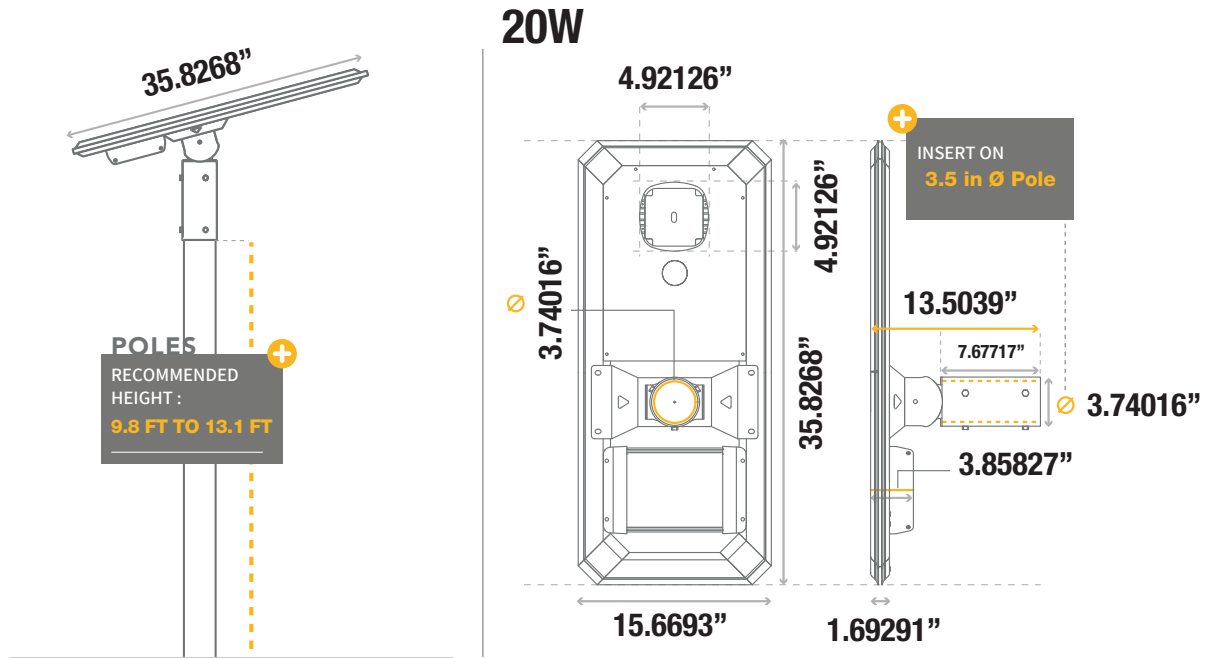


# POLLUX™

## Solar Area Light

### Dimensions

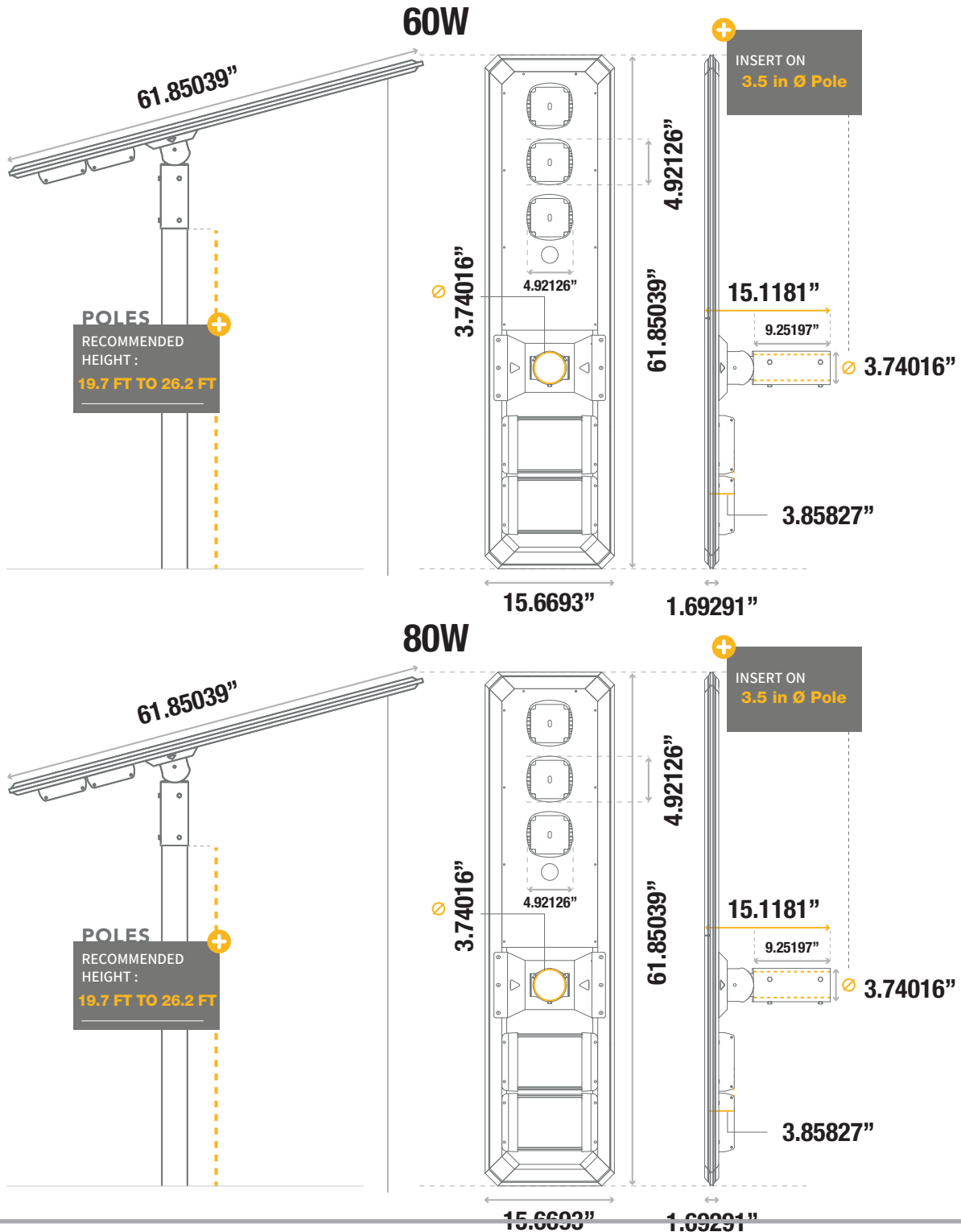
SOLAR AREA LIGHT



# POLLUX™

## Solar Area Light

### Dimensions



SOLAR AREA LIGHT

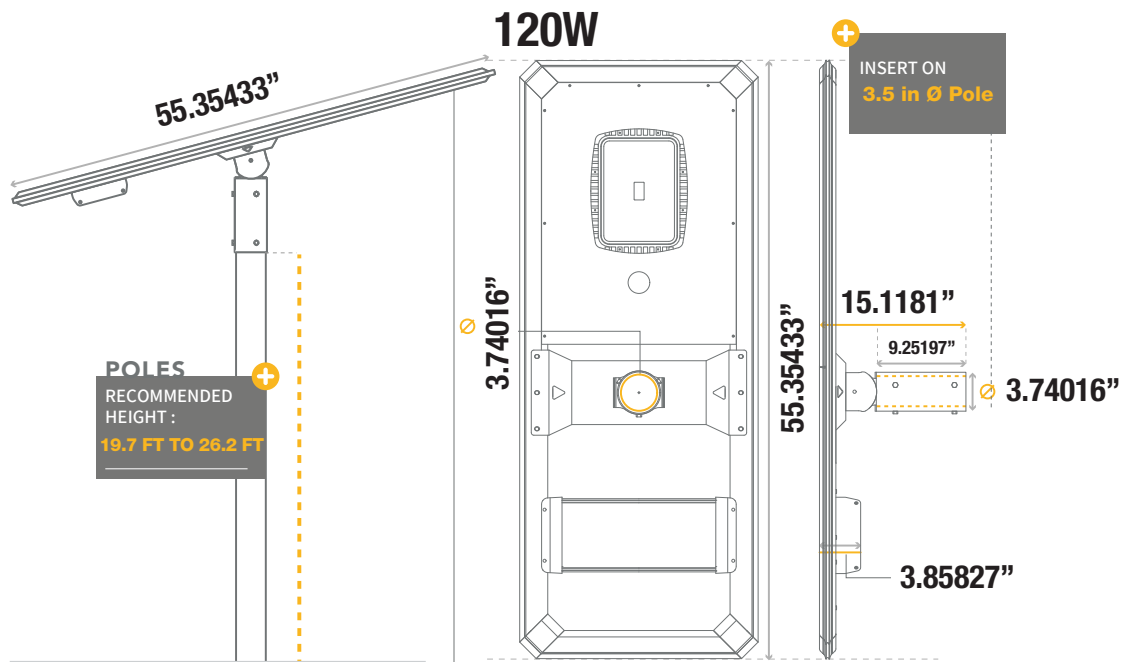
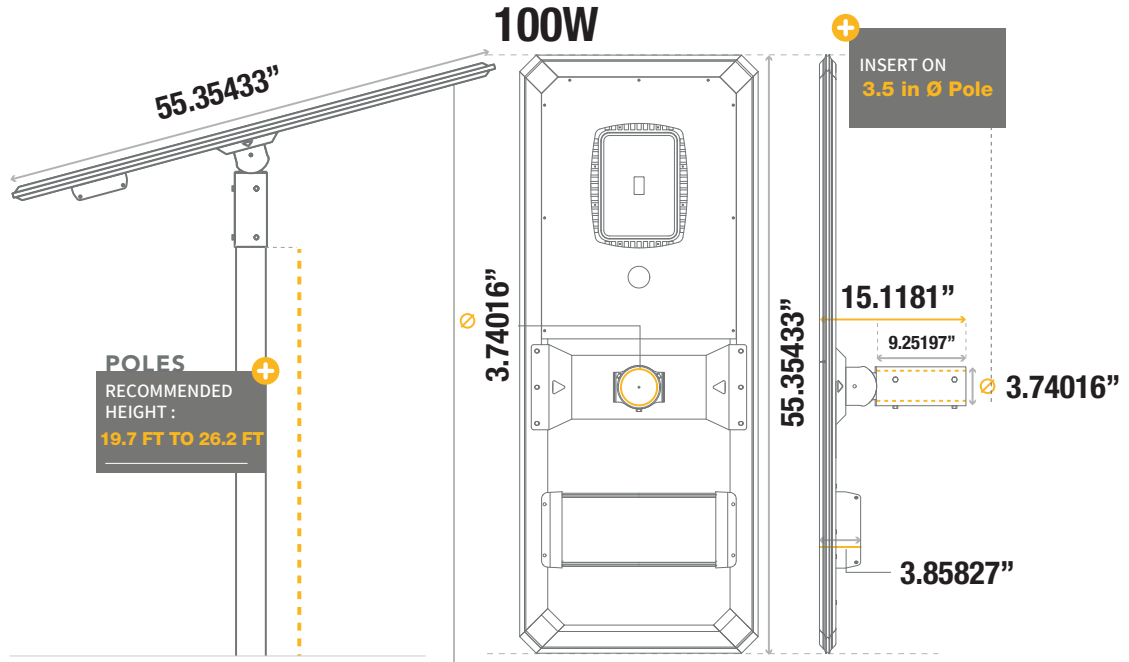




# POLLUX™

## Solar Area Light

### Dimensions



# POLLUX™

## Solar Area Light

### Installation

The installation can be adjusted according to different environments or illumination needs.



With an awesomely designed bracket support, the Solar Area Light is very easy and flexible to install on most poles.

EASY INSTALLATION  
JUST INSERT ON THE  
TOP OF A POLE



# POLLUX™

## Solar Area Light

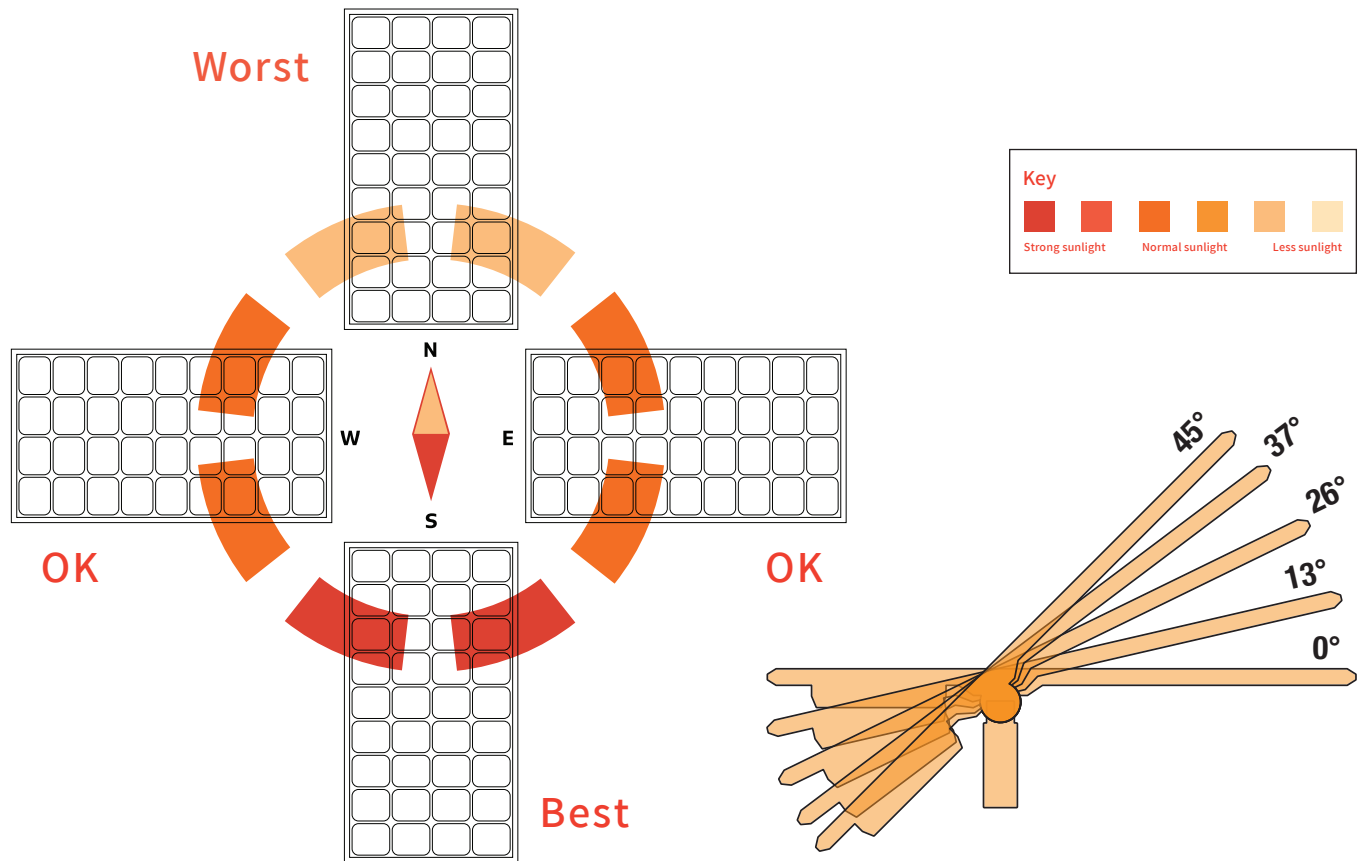
### Optimum Panel Orientation

The Solar charge in a battery pack won't last forever. The off-grid system relies on stored solar energy for autonomy. Angling your solar panels properly can boost the power intake of your solar lighting system. You want to angle your solar panels at a tilt based on the area's latitude.

#### Tip for Maximum Power

You can increase the tilt 15° in the winter or decrease 15° in the summer. In this way you can get the maximum sunlight to recharge the battery.

### Best Facing Direction of Solar Panel



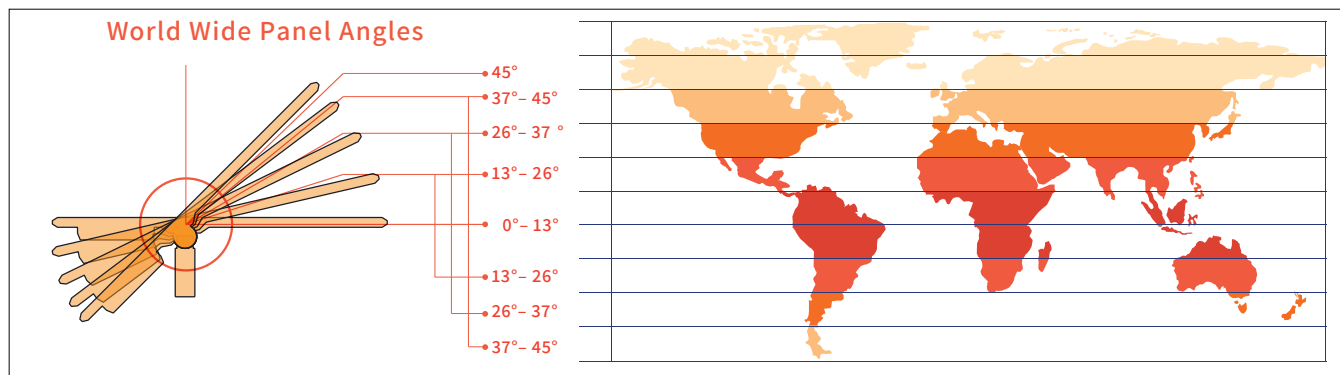
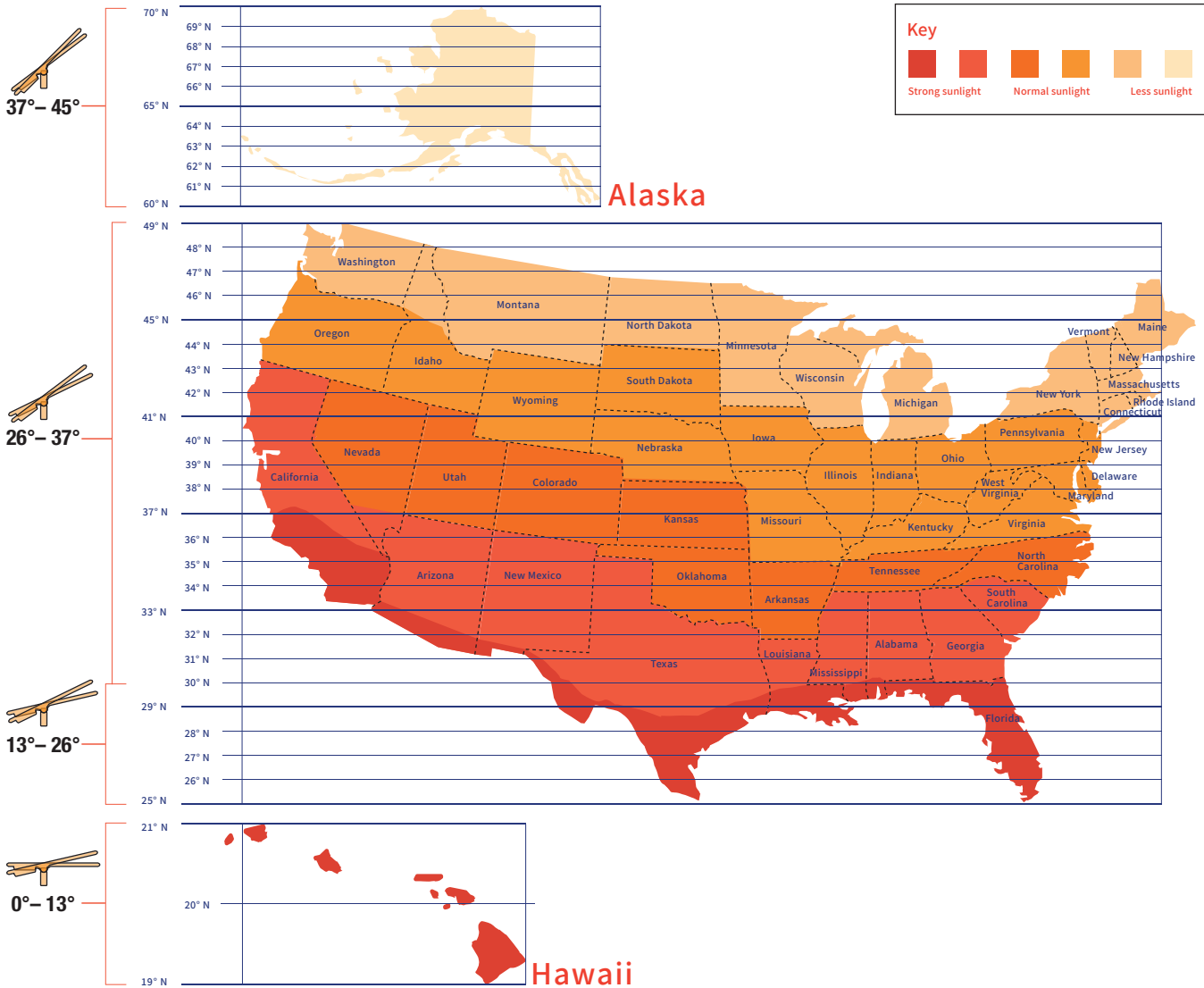
The area will dictate the installation of the fixtures and will sometimes prevent the lights from facing south. Panels facing West & East won't get as much light as Southern facing panels, but will still collect a good amount of sunlight. A North facing panel also works, but it will take longer to charge than any other direction. This would mean that the solar charge will be less optimal if installations are facing North.



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## Solar Area Light

### Optimum Panel Orientation



SOLAR AREA LIGHT



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## Solar Area Light

### Packaging

**AVS-PRO-20W**



|  |                                |
|--|--------------------------------|
| Unit size L x W x H                    | 35.8268 X 15.6693 X 6.49606 IN |
| Carton size                            | 37.9921 X 17.9134 X 9.44882 IN |
| Net weight                             | 27.55778 LB                    |
| Gross weight                           | 31.5261 LB                     |
| QTY per container<br>20" / 40" / 40"HQ | 240 / 505 / 577                |

**AVS-PRO-40W**



|  |                                 |
|--|---------------------------------|
| Unit size L x W x H                    | 43.70079 X 15.748 X 6.49606 IN  |
| Carton size                            | 45.86614 X 17.9134 X 9.44882 IN |
| Net weight                             | 34.83304 LB                     |
| Gross weight                           | 40.78552 LB                     |
| QTY per container<br>20" / 40" / 40"HQ | 240 / 505 / 577                 |

**AVS-PRO-60W**



|  |                                 |
|--|---------------------------------|
| Unit size L x W x H                    | 61.81102 X 15.748 X 6.49606 IN  |
| Carton size                            | 63.97638 X 17.9134 X 9.44882 IN |
| Net weight                             | 42.32875 LB                     |
| Gross weight                           | 51.80863 LB                     |
| QTY per container<br>20" / 40" / 40"HQ | 150 / 323 / 358                 |

**AVS-PRO-80W**



|  |                                 |
|--|---------------------------------|
| Unit size L x W x H                    | 61.81102 X 15.748 X 6.49606 IN  |
| Carton size                            | 63.97638 X 17.9134 X 9.44882 IN |
| Net weight                             | 44.423146 LB                    |
| Gross weight                           | 54.23372 LB                     |
| QTY per container<br>20" / 40" / 40"HQ | 150 / 323 / 358                 |

**AVS-PRO-100W**



|  |                                 |
|--|---------------------------------|
| Unit size L x W x H                    | 55.43307 X 22.2441 X 5.90551 IN |
| Carton size                            | 57.48031 X 24.0157 X 10.2362 IN |
| Net weight                             | 48.832391 LB                    |
| Gross weight                           | 60.296429 LB                    |
| QTY per container<br>20" / 40" / 40"HQ | 122 / 267 / 291                 |

**AVS-PRO-120W**



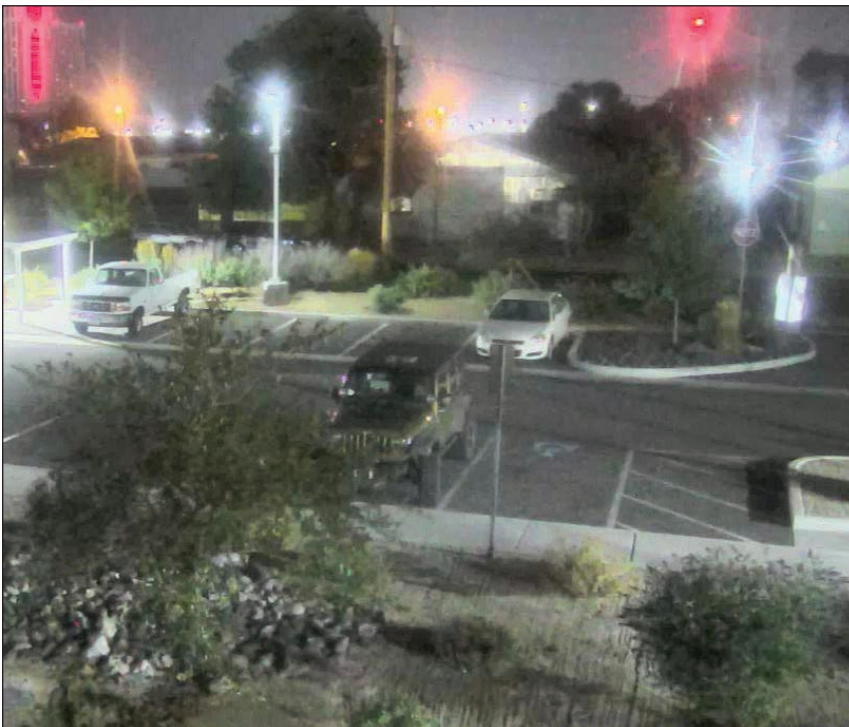
|  |                                 |
|--|---------------------------------|
| Unit size L x W x H                    | 55.43307 X 22.2441 X 5.90551 IN |
| Carton size                            | 57.48031 X 24.0157 X 10.2362 IN |
| Net weight                             | 51.037014 LB                    |
| Gross weight                           | 64.705674 LB                    |
| QTY per container<br>20" / 40" / 40"HQ | 122 / 267 / 291                 |



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## Solar Area Light

### Application



SOLAR AREA LIGHT

