



# SOLTECH Solpad Multifunctional Flood Lights 10W Instruction Manual

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SOLTECH Provides Advanced LED Technology Powered With Eco-friendly, Clean, Solar Energy.



## **01 Introduction**

**Thank you for purchasing SOLPAD Urban Lighting Products.**

### **Important**

Please read these instructions before installation to ensure optimum results and longevity of your lights. The solar panel should be charged in full sunlight for 8 to 9 hours before initial first use to provide optimum results.

### **Features**

- Solar panel bracket is 360° adjustable and the light module is 135° adjustable. The Adjustable solar panel angle enables maximizing sunlight collected and allows snow to slide off.
- Large battery capacity of 7200mAh enables long run times.
- Wall-mounting and post-mounting accessories available
- The latest advanced Li-ion battery lasts 2000+ charging cycles
- 3 operating modes that are programmable via remote control or controls on the fixture
- IP65 rated protection from water, dirt, and dust.
- The easiest way to bring lighting to any outdoor application
- Photo and motion sensors, wide angle 180° detection, high sensitivity
- Wall-mounting and post-mounting accessories available

### **Notice & Warning**

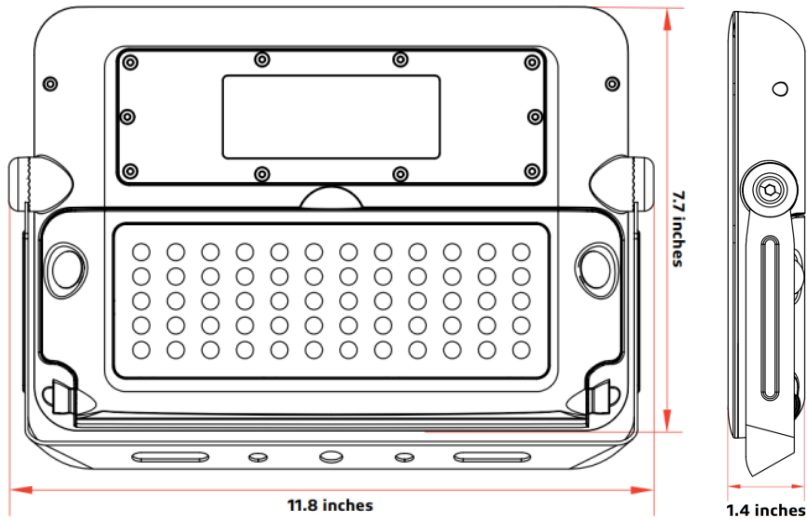
1. The SOLPAD will provide optimal usage where there is enough sunshine.
2. Please note the lighting time depends on sunshine duration and weather.
3. The lamp will light up automatically at dusk.
4. Built-in intelligent IC is with over-charge, over-discharge and over-voltage protection.
5. The lamp is equipped with an internal battery pack, which is replaceable. If needed, please contact for correct new battery pack.
6. If the battery is taken out and put back in or replaced with new batteries, please allow the solar panel to receive maximum sunshine to activate the lamp.
7. Non-professionals please do not disassemble the lamp.

8. Please do not dispose the battery with household garbage to avoid explosion.

#### **Please Note**

During continuous rainy or cloudy days, run time may be reduced as the battery will not be fully charged.

#### **SOLPAD 10W**



#### **02 Specification**

| Specifications              | SOLPAD 10W  |
|-----------------------------|---|
| LED Nominal Power           | 10W   |
| Solar Panel                 | Mono-Crystalline 5.5V 6W                              |
| Lithium Ion Battery         | 27WH 3.7V 7.2AH                                       |
| CCT                         | 4,000K & 5,000K                                       |
| Lumen Output@4000K          | 1,000   |
| CRI                         | > 70  |
| Product Size                | 11.8 X 7.7 X 1.4 Inches                               |
| Beam Angle                  | 90°   |
| Light Panel & Bracket       | Light Panel: 135° Adjustable Bracket: 360° Adjustable |
| Waterproof Rate             | IP65  |
| Casting                     | PC & Aluminum   |
| Efficiency@4000K            | 100 lm/W  |
| * Charging Time             | 7hrs (1000W/m <sup>2</sup> )                          |
| Run Time (@Full Power)      | 2–3 Days  |
| Operation Mode              | 3 Operating Modes                                     |
| PIR Sensor Angle / Distance | 180° / 16-26 ft                                       |
| * Operating Temperature     | -5 °F to 113 °F                                       |
| * Charging Temperature      | 32 °F to 149°F  |

#### Ordering Information Chart

| SERIES         | WATTAGE            | COLOR TEMPERATURE  | MOUNTING OPTIONS                    | FINISH   |
|----------------|--------------------|--------------------|-------------------------------------|----------|
| STL-SFL=SOLPAD | 10=10W 1000 Lumens | 4=4000K<br>5=5000K | WM=Wall Mount<br>LP=LAMP-POST MOUNT | BK=BLACK |

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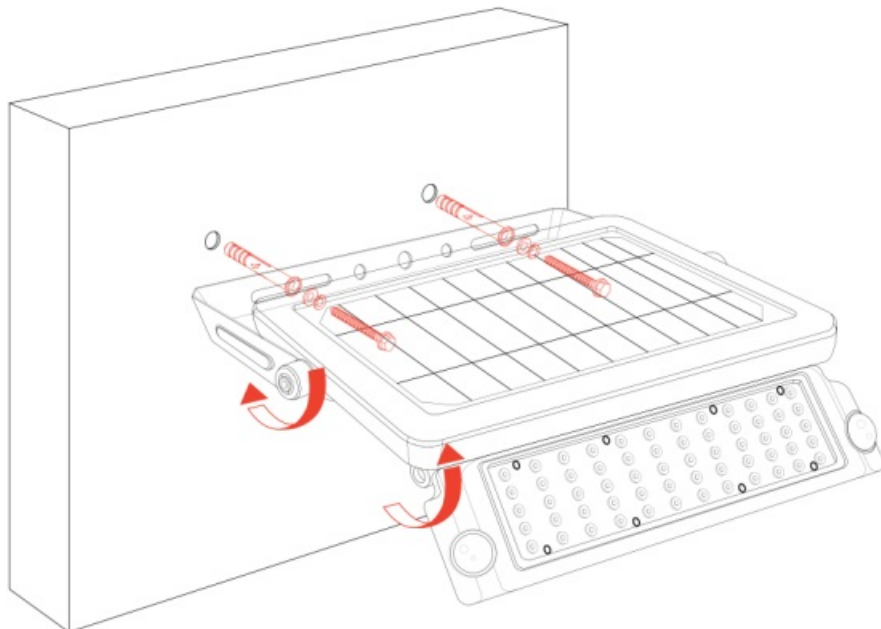
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\* The temperature can impact the battery's charging and normal operation.

\* The solar charge time data is base on 77 degree F ambient temperature with the panel pointed directly at the solar radiation. The standard radiation value is 1000W/m<sup>2</sup>.

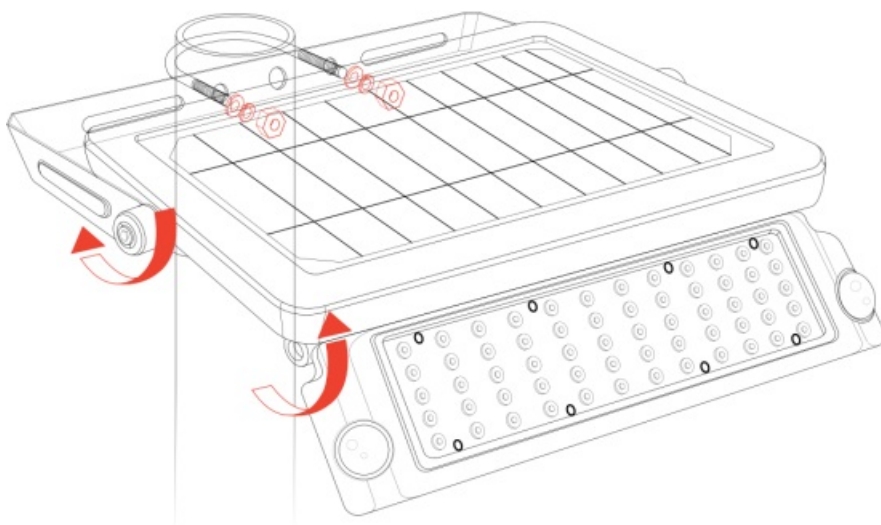
### 03 Installation

#### WALL MOUNT



1. Use the Allen Wrench to loosen the bracket. Adjust it to the appropriate angle and tighten screws.
2. Use the Allen Wrench to loosen the light module. Pull it out and adjust it to your desired lighting angle, then tighten screws.
3. Mount the light onto the wall.

#### LAMP-POST MOUNT



#### Works With Round & Square Poles

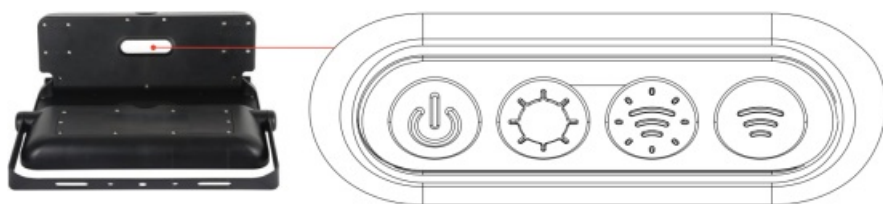
1. Round Pole Mount

Diameter of 1.6–2.4 inches

## 2. Square Pole Mount

Side length of 1.2 –1.6 inches

### 04 Remote Control



Please press any button to specific operating mode, 6 hours of sunlight can provide operation for 3–4 nights.

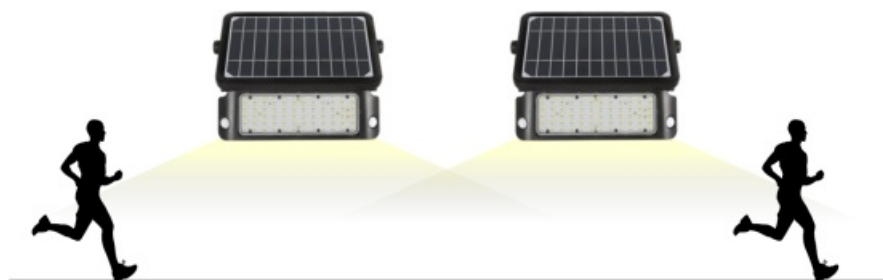


#### 1. On / Off



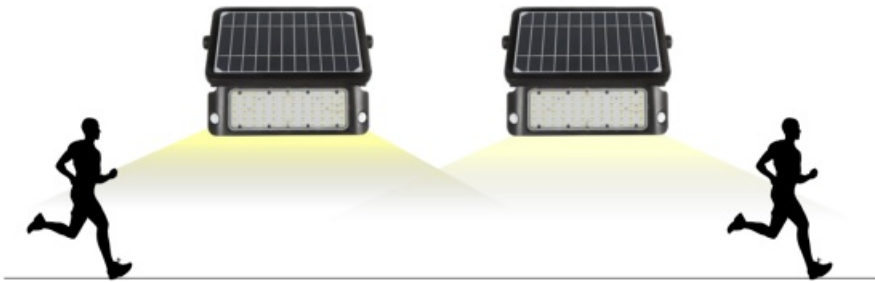
#### 2. Constant Lighting Mode

Automatically turns on at dusk and remains at 20% brightness



#### 3. Full Bright & Dim

Automatically turns on to full brightness (1000 lm) when motion is detected within a range of  $\leq 26$  ft and then reduces to 3% brightness in 20 seconds of no motion.



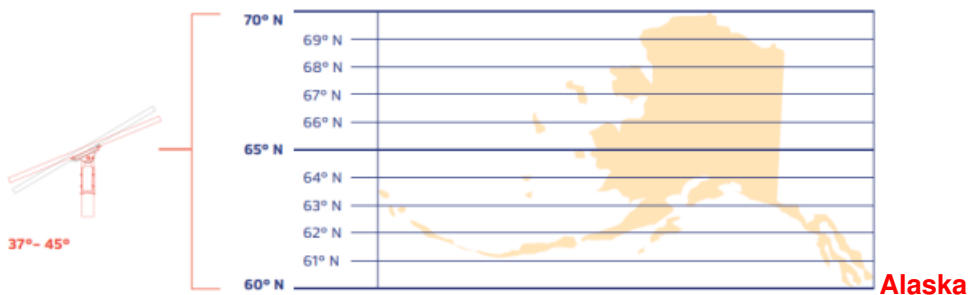
#### 4. Full Bright & Off

Automatically turns on to full brightness (1000 lm) when motion is detected within a range of  $\leq 26$  ft and then turns off after 30 seconds of no motion.



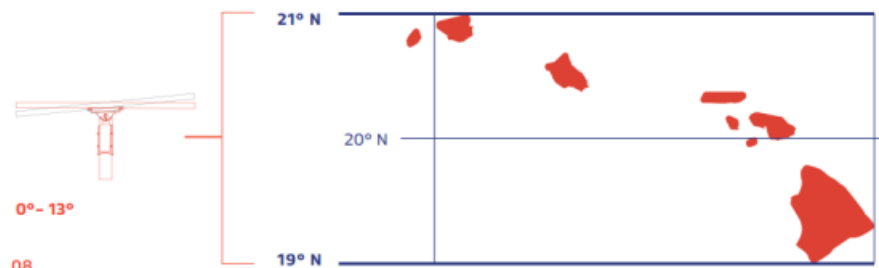
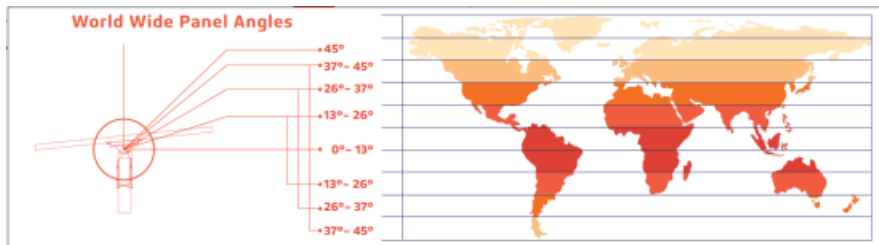
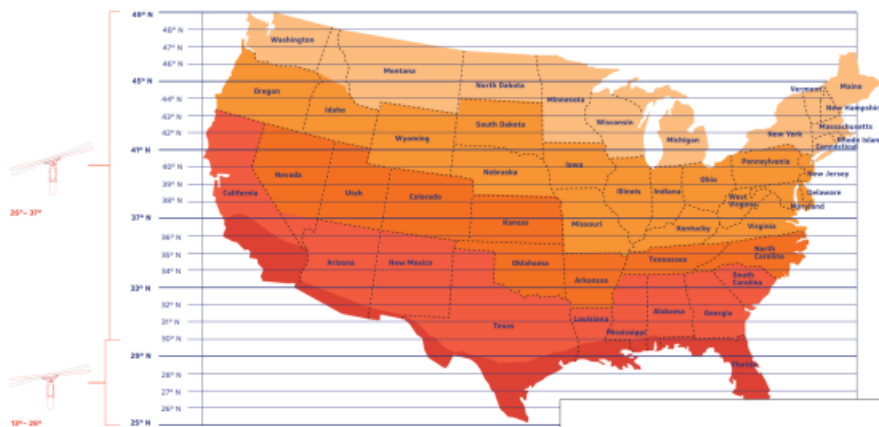
#### 05 Panel Angle

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

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



Hawaii

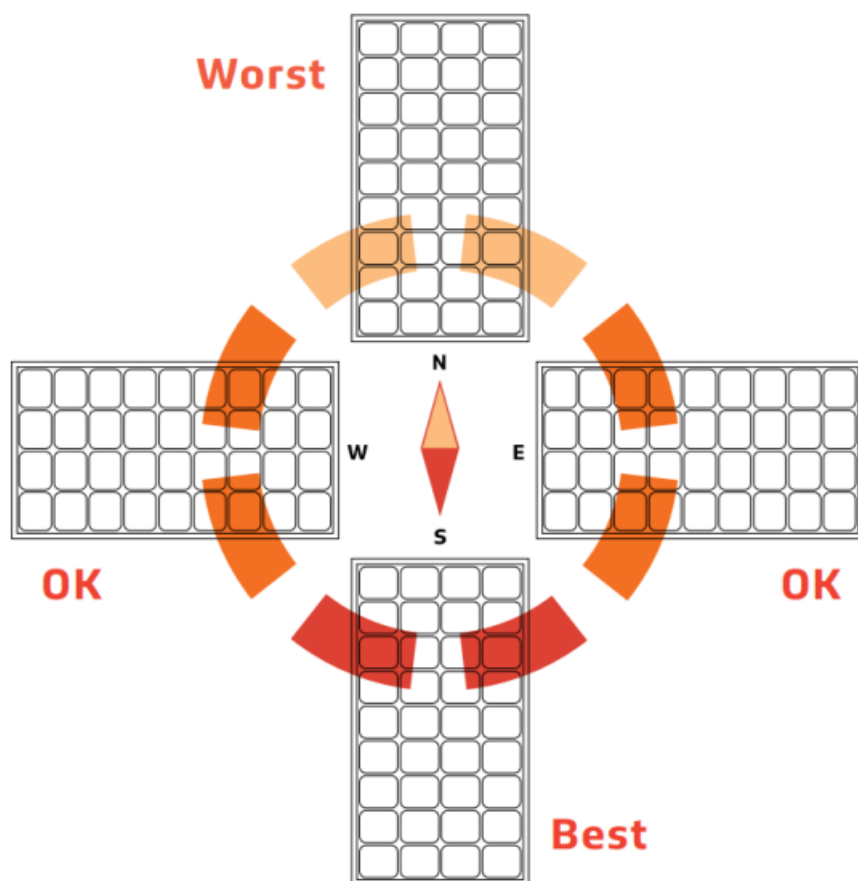
## Key



Strong sunlight   Normal sunlight   Less sunlight

## Best Facing Direction of Solar Panel

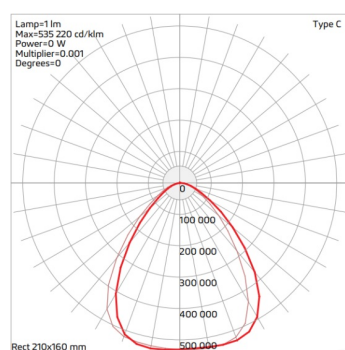




The area will dictate the installation of the fixtures and will sometimes prevent the lights from facing south. But that's okay! Panels facing West & East won't get as much light as Southern facing panels, but will still collect a good amount of sunlight. A North facing panel also works, but it will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

## 06 Luminous Distribution

### SOLPAD 10W



## 07 Warranty

**SOLPAD is covered by a 3 year limited warranty. SOLPAD urban light warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 3 years from date of purchase. To obtain warranty service please contact your local distributor or sales rep for further instruction.**

**SOLTECH Provides Advanced LED Technology Powered With Eco-friendly, Clean, Solar Energy.**




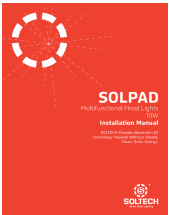
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SOLTECH LLC reserves the right to update all product data sheets at any time.  
Consult SOLTECH marketing specialists for publication updates at [hello@soltechlighting.com](mailto:hello@soltechlighting.com)

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## Documents / Resources

|  |   |
|--|---|
|   | <a href="#">SOLTECH Solpad Multifunctional Flood Lights 10W</a> [pdf] Instruction Manual<br>Solpad Multifunctional Flood Lights 10W |
|  | <a href="#">SOLTECH Solpad Multifunctional Flood Lights 10W</a> [pdf] Instruction Manual<br>Solpad Multifunctional Flood Lights 10W |

## References

- [Solar LED Lights Commercial | Solar LED Home | SOLTECH Solar Lighting](#)