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TURTLE-FRIENDLY LIGHTING

SUNLIKE SOLAR AREA LIGHT

Thousands of sea turtles are affected every year because of the electric lighting along beachfront properties and coastlines around the country. For more than 20 years, the Sea Turtle Conservancy (STC) has worked to tighten the guidelines on beaches where property owners are restricted to amber light sources when visible from the beach to avoid the hatchlings disorientation.

To minimize the light pollution, We have developed turtle-friendly lighting solutions that include low wattage phosphor converted amber and true amber limited wavelength LEDs. Not only do our luminaires protect the environment, but also provide sustainable and energy-saving solutions for years to come.



APPLICATIONS

This economical, easily-installed, off-grid lighting solution is ideal for areas such as pathways, parking lots, landscaping, parks, schools, trails, or any remote locations that have no access to conventional power.

SPECIFICATION FEATURES



High Brightness, Smart Power Consumption

- Microwave motion sensor and one-key automatic dimming
- Automatically switches to 40% energy saving mode during low battery capacity



Greater Energy Production

- Up to 115W Mono Crystalline Solar Panel
- Adjustable angle for the fixture head allows maximum solar collection and self-cleaning of the solar panel surface



Complete Universality

- Remote control included with one-button mode settings



Low Maintenance Design

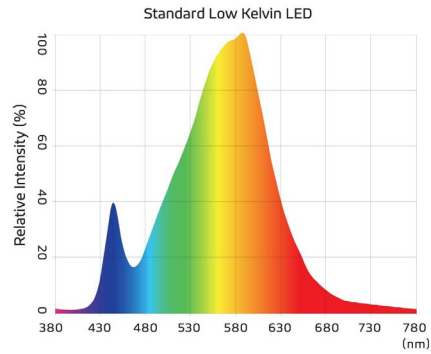
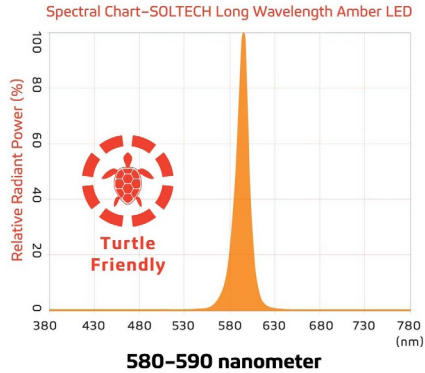
- Die cast A380 aluminum fixture housing is rust free
- Grade A LifePO₄ Battery Pack, 2000+ full charging cycles

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SUNLIKE SOLAR AREA LIGHT

WHY AMBER LED

Research has shown that sea turtles are less affected by lighting within specific wavelengths. Long-wavelength lighting such as Amber LEDs are less disruptive than white light. According to the Florida Fish and Wildlife Commission (FWC), turtle-friendly luminaires must limit short wavelength light under 560 nanometers.



LIGHT FIXTURES

LED Nominal Power	50W
Turtle Friendly Waveband	580-590nm

BATTERY

* Operating Temperature	0°C/32°F to 140°F
* Charging Temperature	0°C/32°F to 140°F
Capacity	691WH 12.8V 54AH

SOLAR PANEL

Rating Power	115W
EPA	7.3

MAXIMUM AUTONOMY

Motion Sensor Mode (Without grid power)	40%-100% 32hrs 20%-80% 55hrs
Time Control Mode (Without grid power)	Night Owl 28hrs Early Bird 25hrs
Constant Mode (Without grid power)	100% 13hrs 70% 19hrs 40% 34hrs

* The temperature can impact the battery's charging and normal operation. If your place's temperature is under 32°F, we advice you to use the SUNLIKE PRO version to achieve better lighting results.

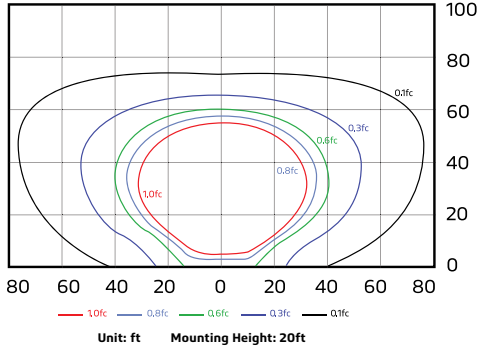
* The solar charge time data is base on 77 degree F ambient temperature with the panel pointed directly at the solar radiation. The standard radiation value is 1000W/m².



SUNLIKE SOLAR AREA LIGHT

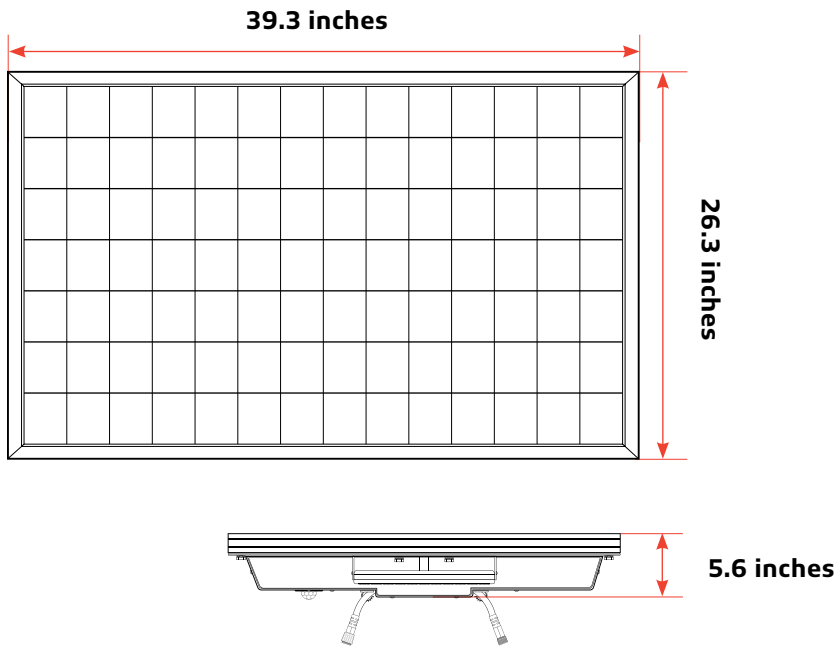
IES/ BEAM

50W Type III



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50W





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SUNLIKE SOLAR AREA LIGHT

ORDERING INFORMATION

SERIES	WATTAGE	OPTIC TYPE	MOUNTING OPTIONS	FINISH
STLSTCTF =SUNLIKE Turtle Friendly	50=50W	T3=TYPE III	MS=MOUNTING SLEEVE	GY=GRAY (RAL 7038) BR=BRONZE (RAL 8019)

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WARRANTY

SUNLIKE products are covered by a 5 year limited warranty. SOLTECH urban light warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 5 years from date of purchase. To obtain warranty service please contact your local distributor or sales rep for further instruction.

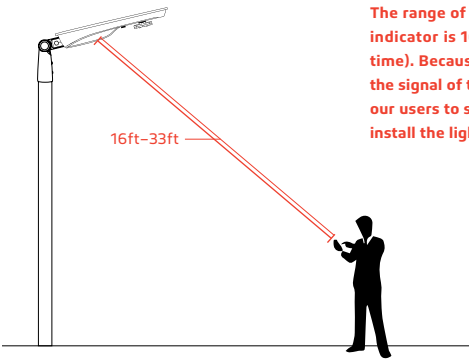
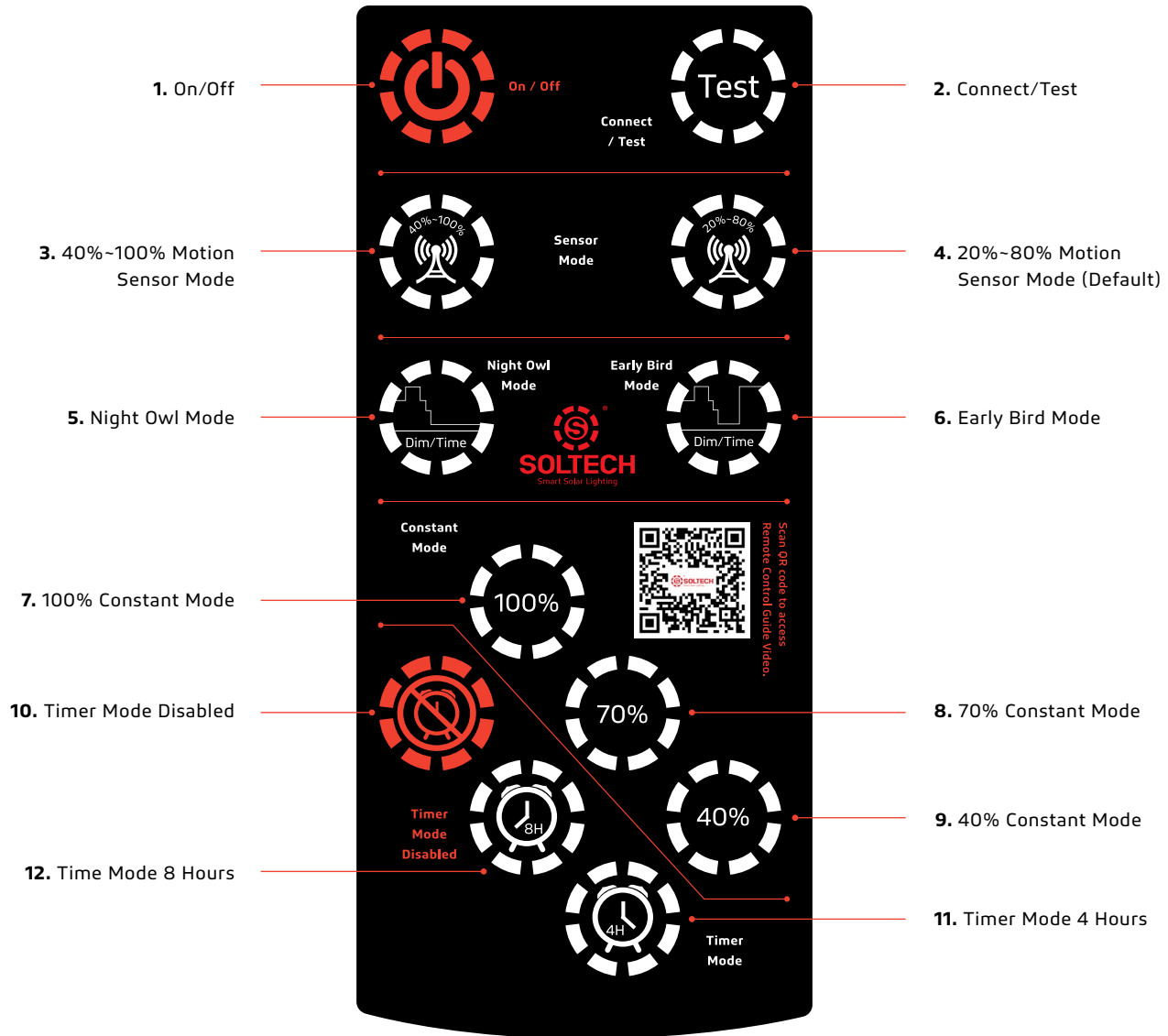
SOLTECH reserves the right to update all product data sheets at any time. Consult SOLTECH marketing specialists for publication

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SUNLIKE SOLAR AREA LIGHT
REMOTE CONTROLS



The range of the remote control to the indicator is 16ft (Day time) to 33ft (Night time). Because the sunlight will impact the signal of the remote control, we suggest our users to setup the mode before they install the light.

1. On/Off

When off is selected, the light will stop working. The solar panel will not charge the battery and the battery will not supply electricity to the light.

2. Connect/Test

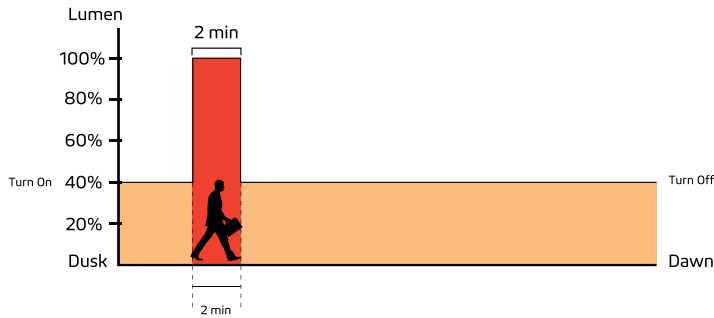
Remote control device can be connected with any lighting fixture, one at a time. To connect, press the button once. It also functions as a test button. To test, press the "Test" button once, the red light will indicate the fixture is charging, green light indicates that the fixture is operating. Testing lasts for 10 seconds, and then it goes back to the mode previously in use.

SUNLIKE SOLAR AREA LIGHT

REMOTE CONTROLS

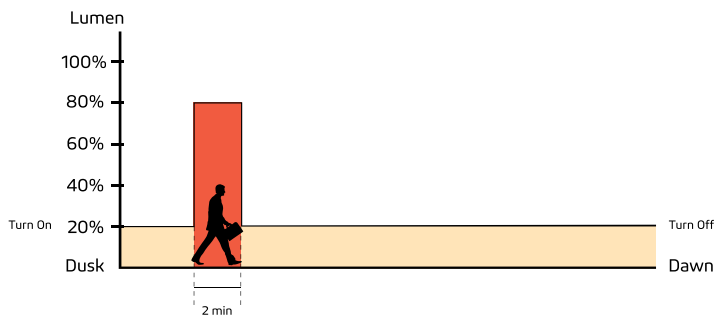
3. 40%~100% Motion Sensor Mode

Constant 40% brightness (turns on at dusk, turns off at dawn); 100% brightness turns on for 2 minutes when motion is detected.



1. On/Off

When off is selected, the light will stop working. Solar panel will not charge battery, battery does not supply electricity to the light.



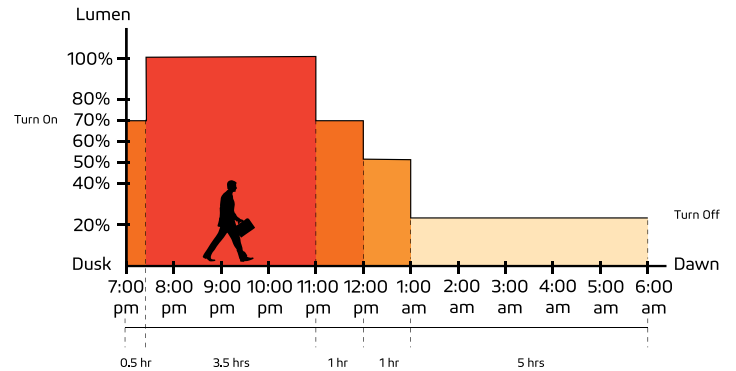
(IAP) Intelligent Adaptive Program Battery Control Technology

In order to extend the off-grid autonomy of the SUNLIKE under shady trees, heavy rain, and thick clouds, our controllers now integrate an adaptive smart control feature to actively track battery capacity and adjust light output accordingly. Before integrating this feature, selecting a light output percentage on the remote would yield an accurate percentage of max LED brightness. Now with (IAP), the controller actively monitors the battery and regulates the electrical current to the LEDs. The controller makes light output of the selected percentage on the remote relative to battery capacity rather than max LED output. This smart-control feature can increase our off-grid performance by up to 40%.

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2. Connect/Test

Remote control device can be connected with any lighting fixture, one at a time. To connect, press once. It also functions as a test button. To test, press the "Test" button once, the red light will indicate the fixture is charging, green light indicates discharging. Testing lasts for 10 seconds,

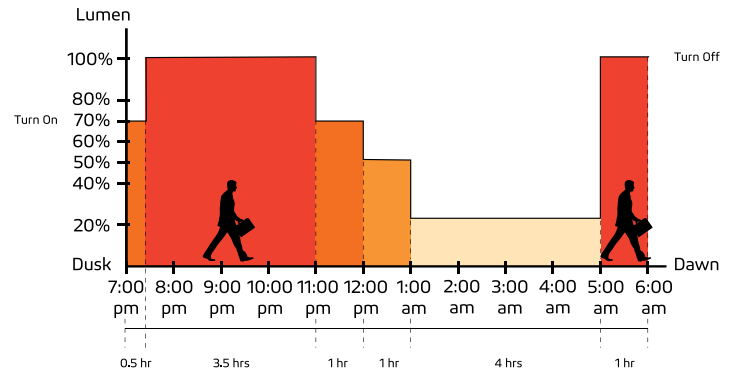


then goes back to the mode previously in use.

3. 40%~100% Motion Sensor Mode

Constant 40% brightness (turn on at dusk, turn off at dawn); 100% brightness turns on for 2 minutes when motion detected.

4. 20%~80% Motion Sensor Mode (Default)



Important

Dusk and dawn time may be different in other locations and seasons. The sensors of our products will follow the light patterns of where it is installed. The time period shown in the chart above is just an example to help you understand the different lighting modes only.

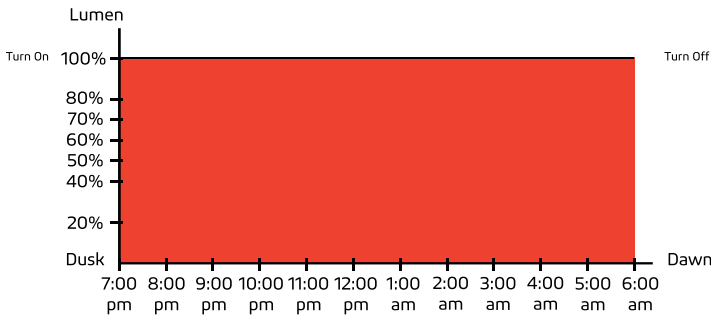


SUNLIKE SOLAR AREA LIGHT

REMOTE CONTROLS

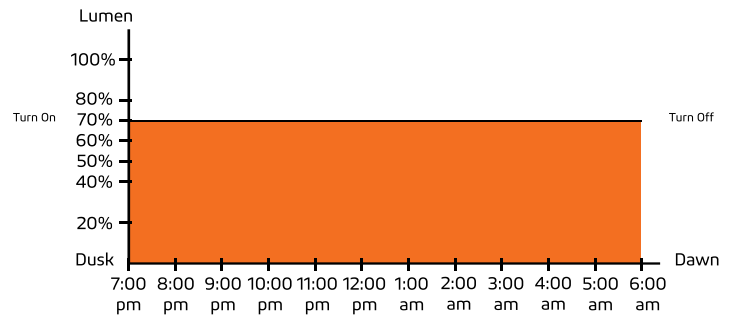
7. 100% Constant Mode

100% brightness from dusk to dawn.



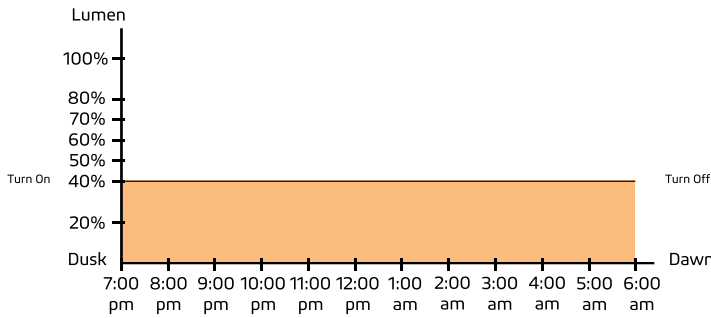
8. 70% Constant Mode

70% brightness from dusk to dawn.



9. 40% Constant Mode

40% brightness from dusk to dawn.

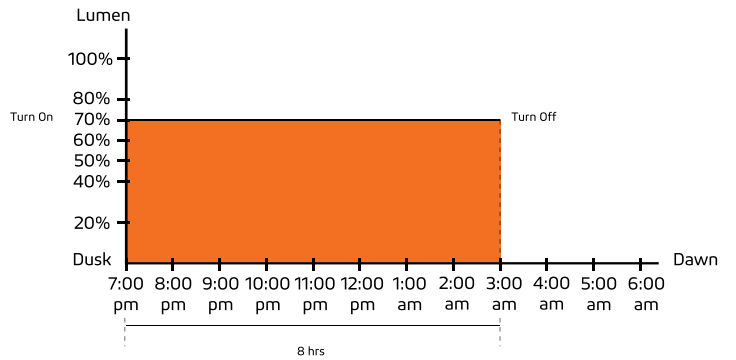


10. Timer Mode Disabled

Press this button to turn off Timer Mode; settings revert back to before Timer Mode was last activated.

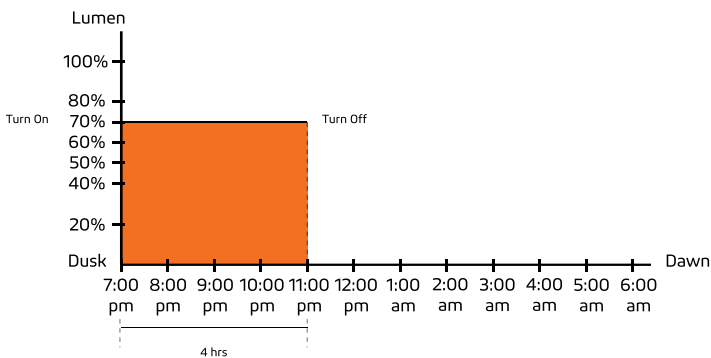
12. Time Mode 8 Hours

This is an additional mode which can work with any other modes. For example: press this button at any time after you turn on 70% Constant Mode. If the light turns on at 7pm at dusk, it will turn off at 3am. It will repeat the same schedule hereafter until it is canceled by pressing Timer Mode Disabled.



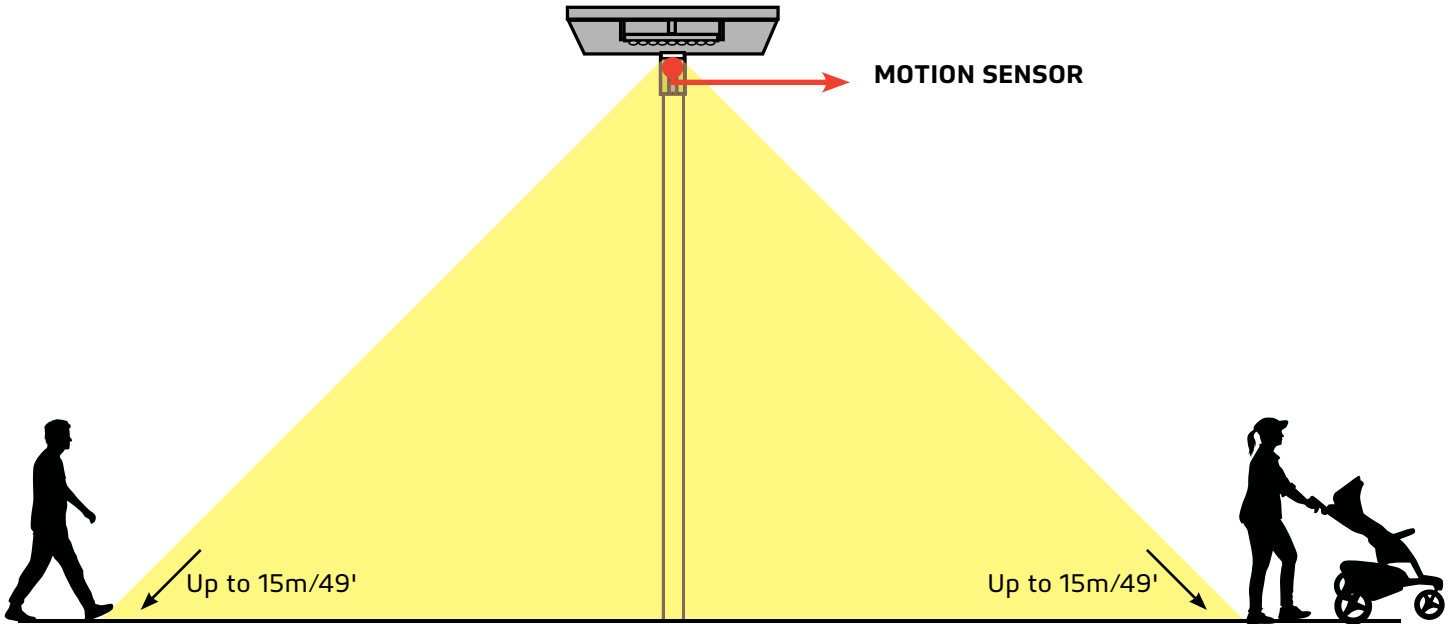
11. Timer Mode 4 Hours

This is an additional mode which can work with any other modes. For example: press this button at any time after you turn on 70% Constant Mode. If the light turns on at 7pm at dusk, it will turn off at 11pm. It will repeat the same schedule hereafter until it is canceled by pressing Timer Mode Disabled.



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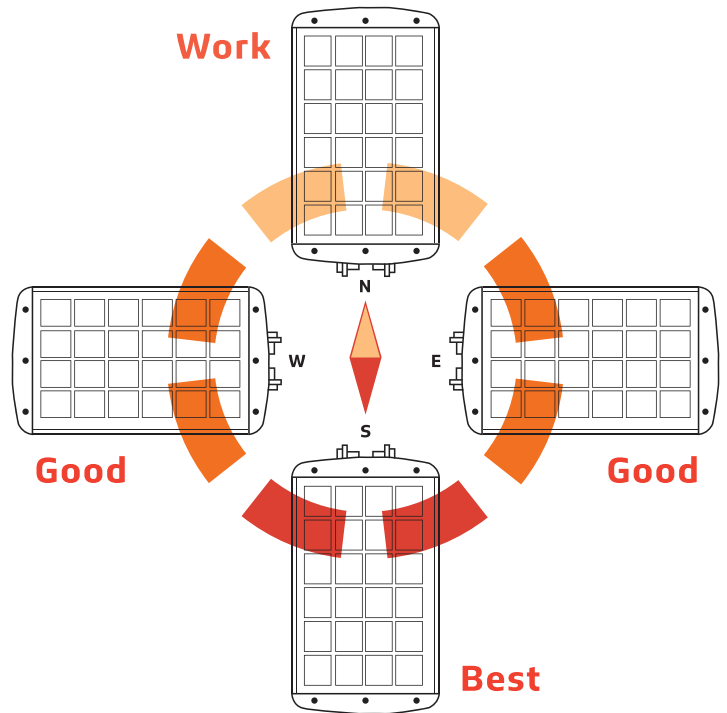
SUNLIKE SOLAR AREA LIGHT
DETECTION ZONE



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.





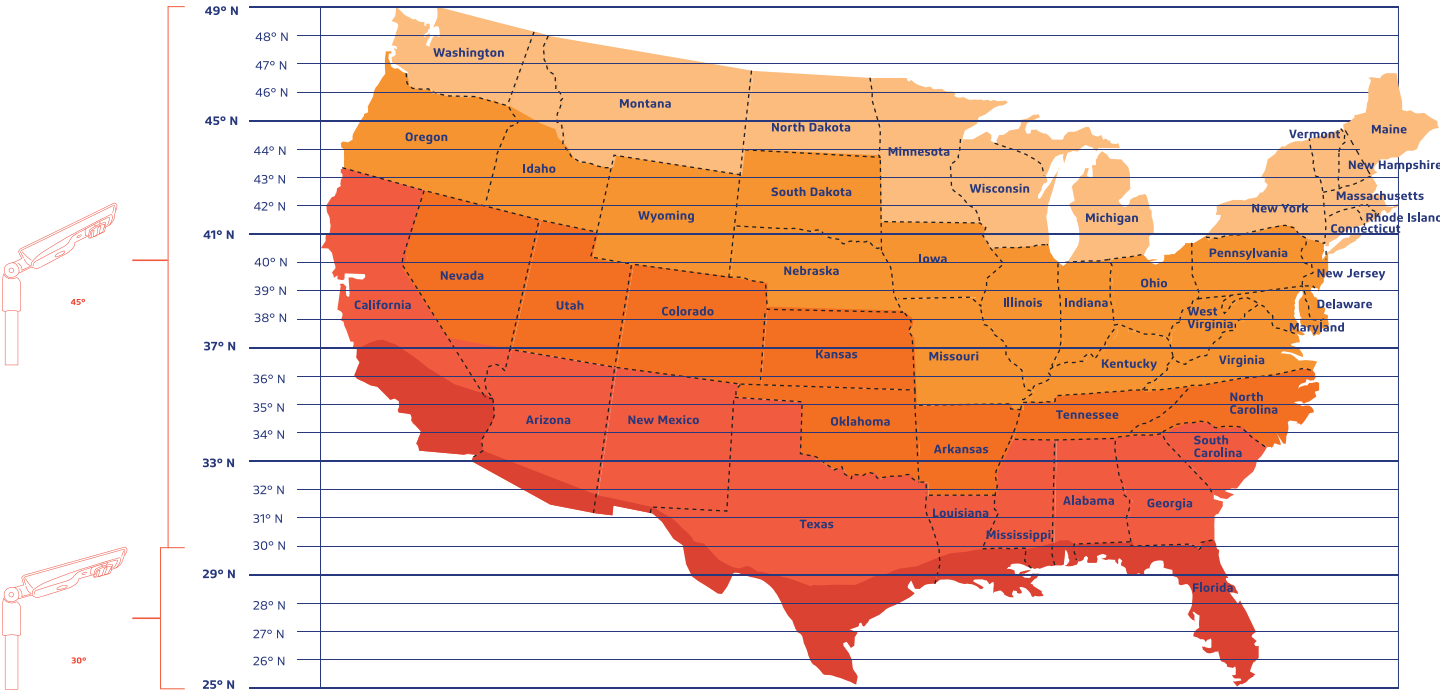
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SUNLIKE SOLAR AREA LIGHT

PANEL ANGLE GUIDE

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.

KEY



SOLTECH reserves the right to update all product data sheets at any time. Consult SOLTECH marketing specialists for publication updates at hello@soltechlighting.com

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