SOLTECH
Smart Solar Lighting

SUNLIKE PRO 30W

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.

CERTIFICATION DATA

DESCRIPTION

Even in winter months, if sunlight is hitting a solar panel, it will generate electricity. Cold climates are actually optimal for solar panel efficiency. Contrary to common belief, heat diminishes the solar panel's electricity production. Soltech adopted unique, innovative battery technology to overcome the shortcomings of solar lighting system's cold weather performance. The super cold-tolerant battery technology in the SUNLIKE PRO 30W provides excellent low-temperature charge and discharge performance.

ORDERING INFORMATION

| SERIES	WATTAGE	OPTIC TYPE	COLOR TEMPERATURE	MOUNTING OPTIONS	FINISH
STLSTCPRO=SUNLIKE PRO	**30**=30W 6000 Lumens	**T3**=TYPE III	**3**=3000K **4**=4000K **5**=5000K	**WM**=Wall Mount **TRR**=Trunnion Round **TRS**=Trunnion Square **SF**=Slip Fitter **SA**=Straight Arm	**GY**=Gray **BR**=Bronze

[ ] - [ ] - [ ] - [ ] - [ ] - [ ]

SPECIFICATION FEATURES

MPPT Controller

· Maximum Power Point Tracking (MPPT) is a technique for tracking and regulating the output energy from the solar panel to the battery.
· Measures the solar panel output voltage and current in real-time and continuously tracks the maximum power.
· Regulates the output voltage so that the system can always charge the battery with the maximum power.
· Significantly improves the solar system energy utilization rate, with a conversion efficiency up to 97%.
· Increases the solar system's charging efficiency by at least 20% compared to Pulse Width Modulation (PWM).
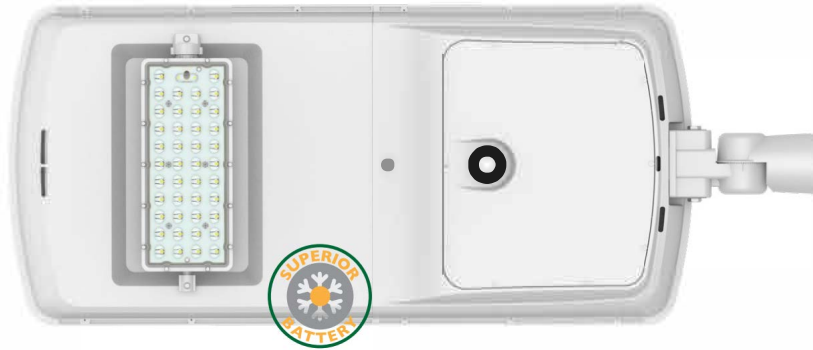
(IAP) Intelligent Adaptive Program Battery Control Technology

In order to extend the off-grid autonomy of the SUNLIKE PRO 30W under shade 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. Activating the IAP, the controller actively monitors the battery and regulates the electrical current to the LEDs. The controller makes the light output of a selected percentage on the remote relative to battery capacity rather than max LED output. This smart-control feature can increase the fixture's off-grid performance by up to 40%.

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SPECIFICATION FEATURES

50+ Hours Max Autonomy
· 320 WH battery capacity
· Full self-charging time is less than 11 hrs
· Remote control included with one-button mode settings

Complete Universality
· 5 different mounting options
· Designed for round pole, square pole and wall
  pack applications
· Acts as a solar area light
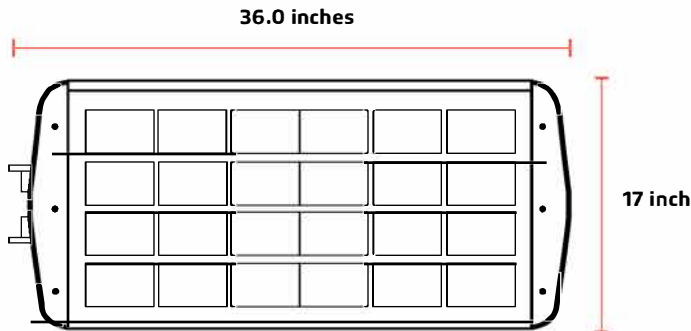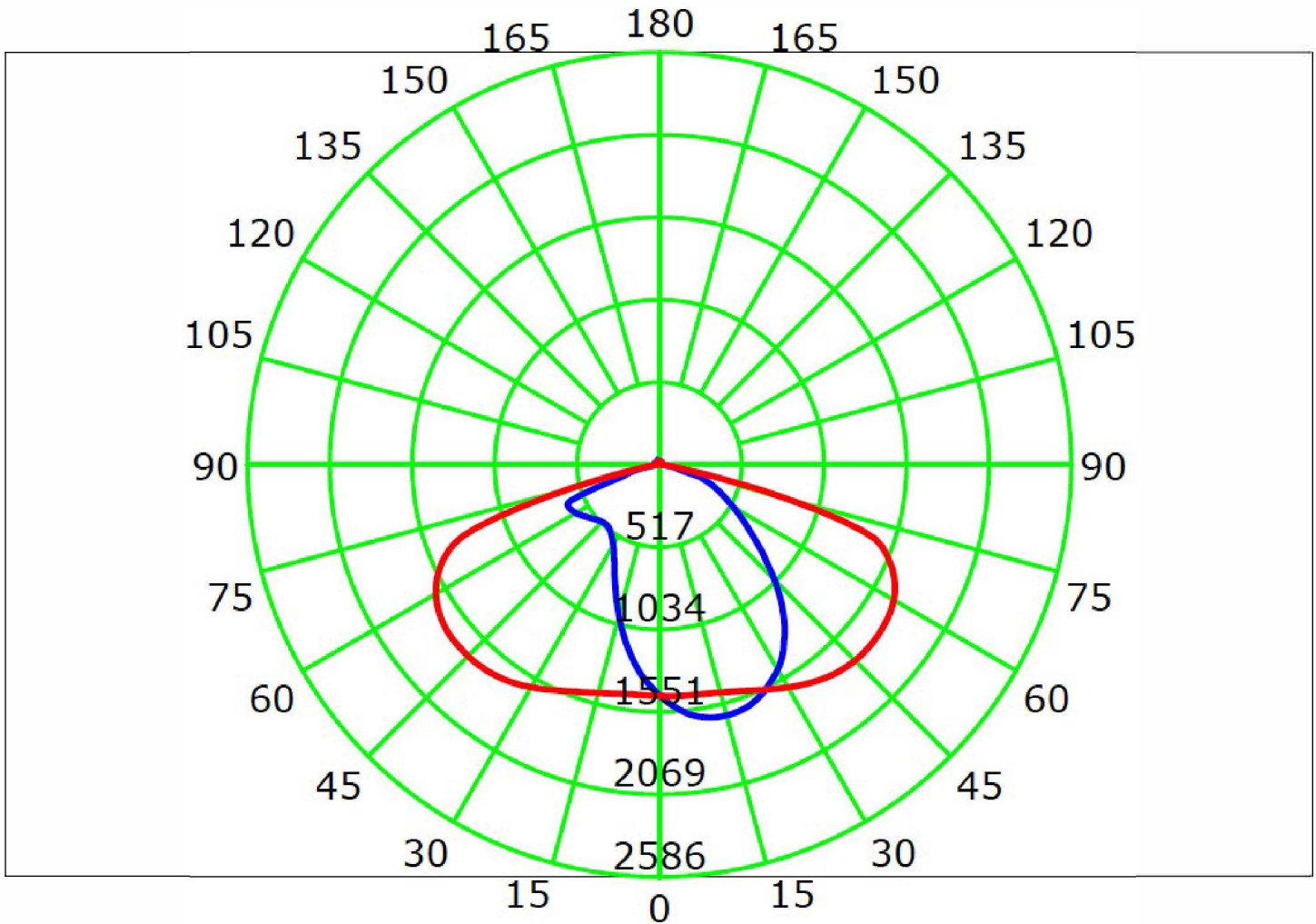
High Brightness, Smart Power Consumption
· 200lm/W—the highest efficiency in the industry
· PIR motion sensor and one-key automatic dimming
· Automatically switches to 40% energy saving mode
  during low battery levels

Longer Life
· Grade A Superior Battery Pack, 2000+ full charging cycles
· Lumileds 5050 LED chips

Greater Energy Production
· 52W Mono-Crystalline Solar Panel
· Adjustable angle for the fixture head allows maximum solar
  collection and self-cleaning of the solar panel surface

Low Maintenance Design
· Die cast A380 aluminum fixture housing is rust-free
· 10+ year warranty options for municipal utility projects

PRODUCT SIZE

4.0 inches

36.0 inches

17 inch

Indicator

Light Module

Charging Point DC14.6V 3.75A

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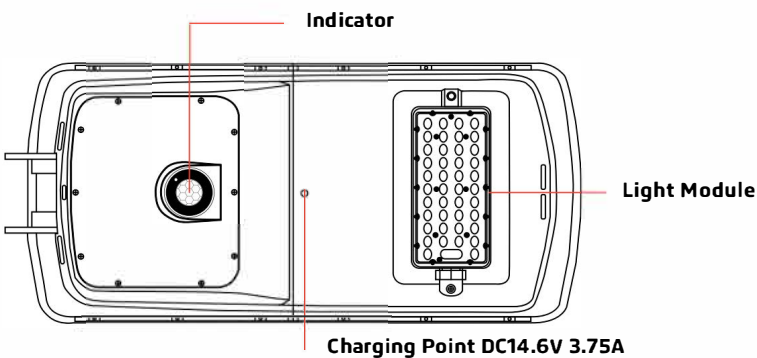
SUNLIKE PRO 30W

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SPECIFICATIONS

LED Nominal Power	30W
Solar Panel	18V 52W
Superior Battery	320WH 12.8V 25AH Superior Battery
Weight	47.1 lbs
Lumen Output@5000K	6,000
CRI	> 70
LED Chip	Lumileds 5050 (215lm-CR>70)
EPA@45°	3.7
Waterproof Rate	IP65
Casting	Aluminum
Efficiency@5000K	200 lm/W
***Charging Time**	11hrs
Run Time (@Full Power)	10hrs
Operation Mode	Remote control and One-key Setting
Installation Height	9 to 20ft
***Operating Temperature**	-40°C/-40°F to 140°F
***Charging Temperature**	-40°C/-40°F to 140°F
Maximum Autonomy	
Motion Sensor Mode	**40%–100%** 25hrs **20%–80%** 50hrs
Time Control Mode	**Night Owl** 23hrs **Early Bird** 20hrs
Constant Mode	**100%** 11hrs **70%** 15hrs **40%** 26hrs

* 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/m².
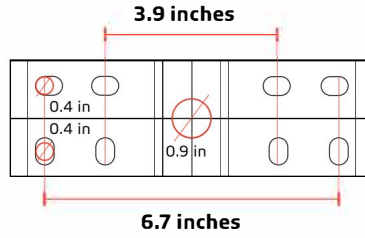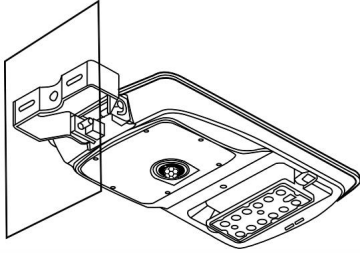
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IES / BEAM

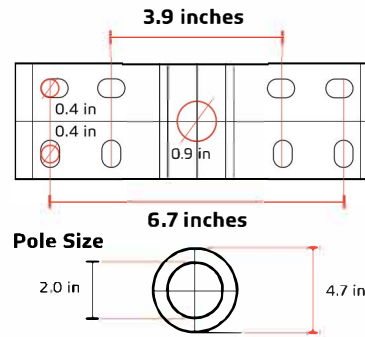**SUNLIKE PRO 30W** Type III

![SOLTECH Smart Solar Lighting logo]

SUNLIKE PRO 30W

INSTALLATION ACCESSORIES

A. TRUNNION—Wall Mount

3.9 inches

0.4 in
0.4 in
0.9 in

6.7 inches

A-b. STLSTCP-WM-30W (for SUNLIKE PRO 30W)

B. TRUNNION—Round

3.9 inches

0.4 in
0.4 in
0.9 in

6.7 inches

Pole Size

2.0 in   4.7 in
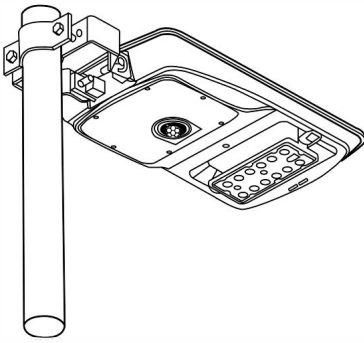
B-b. STLSTCP-TRR-30W (for SUNLIKE PRO 30W)
works with 2.0 inches to 4.7 inches poles.

C. TRUNNION—Square

3.9 inches

0.4 in
0.4 in
0.9 in

6.7 inches

Pole Size

2.0 in   4.0 in
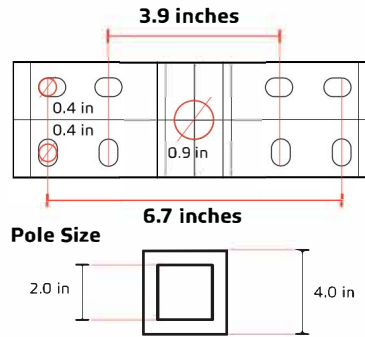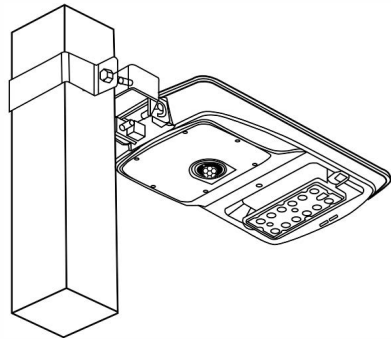
C-b. STLSTCP-TRS-30W (for SUNLIKE PRO 30W)
works with 2.0 inches to 4.0 inches poles.

D. SLIP FITTER—Rotative AND STRAIGHT ARM
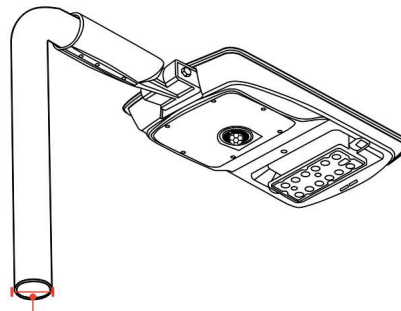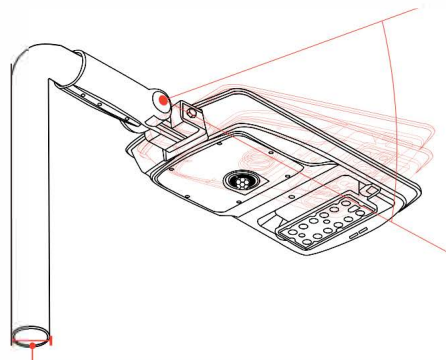
Pole Size For Slip Fitter And Straight Arm

1.8 in   2.4 in

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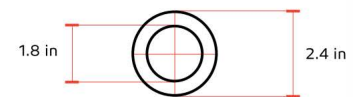
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Trunnion Mount

01

02

03

+50°

A. On Wall

04

Wall Mount

B. On Round Pole

04

Round Trunnion

05

C. On Square Pole

04

Square Trunnion

05
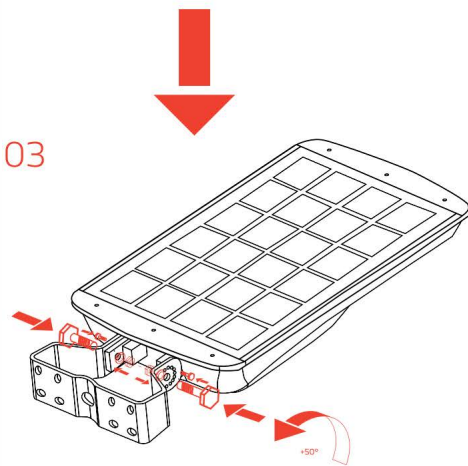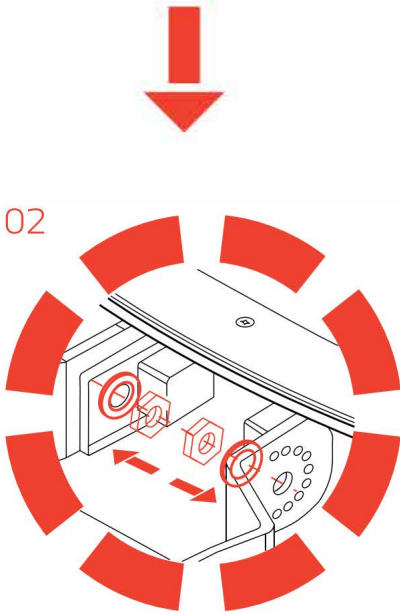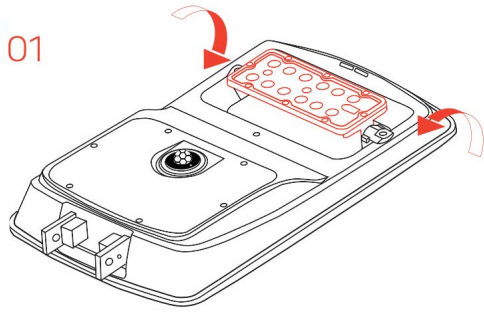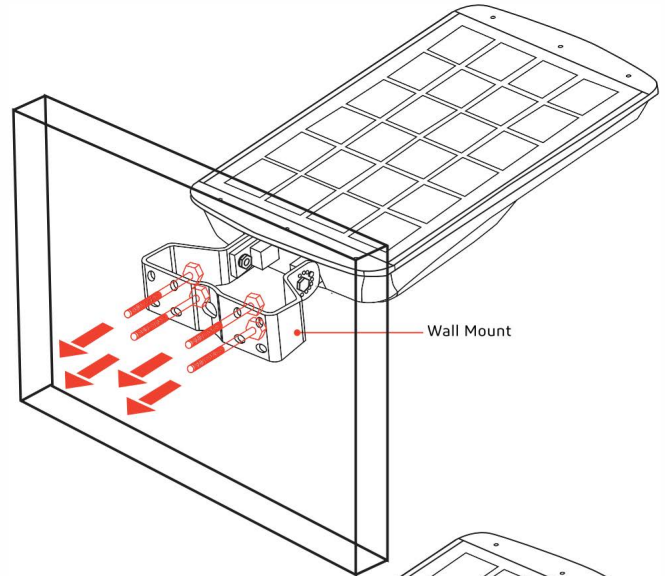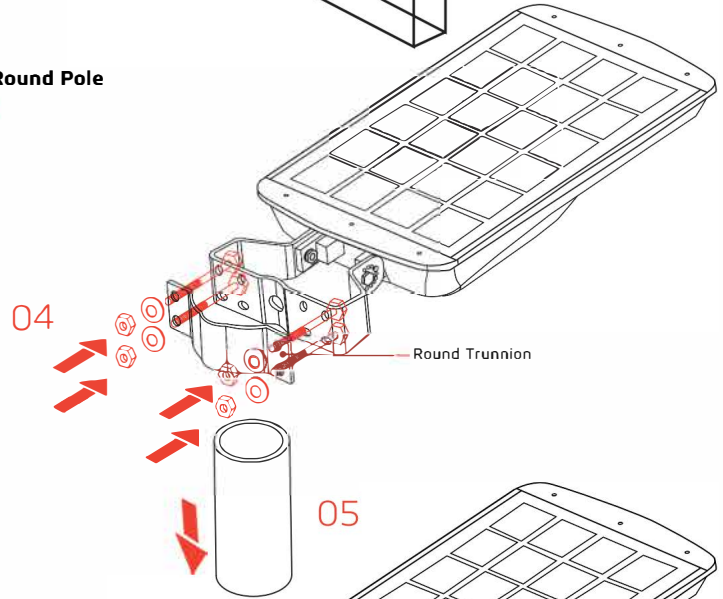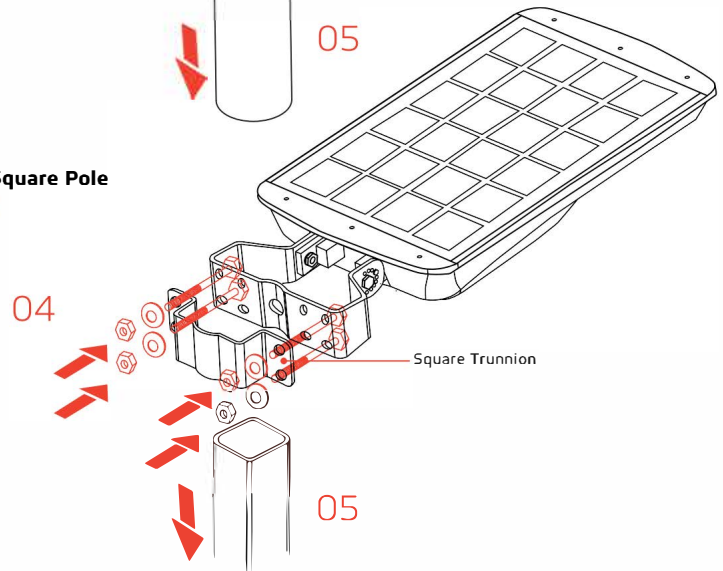
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Slip Fitter and Straight Arm
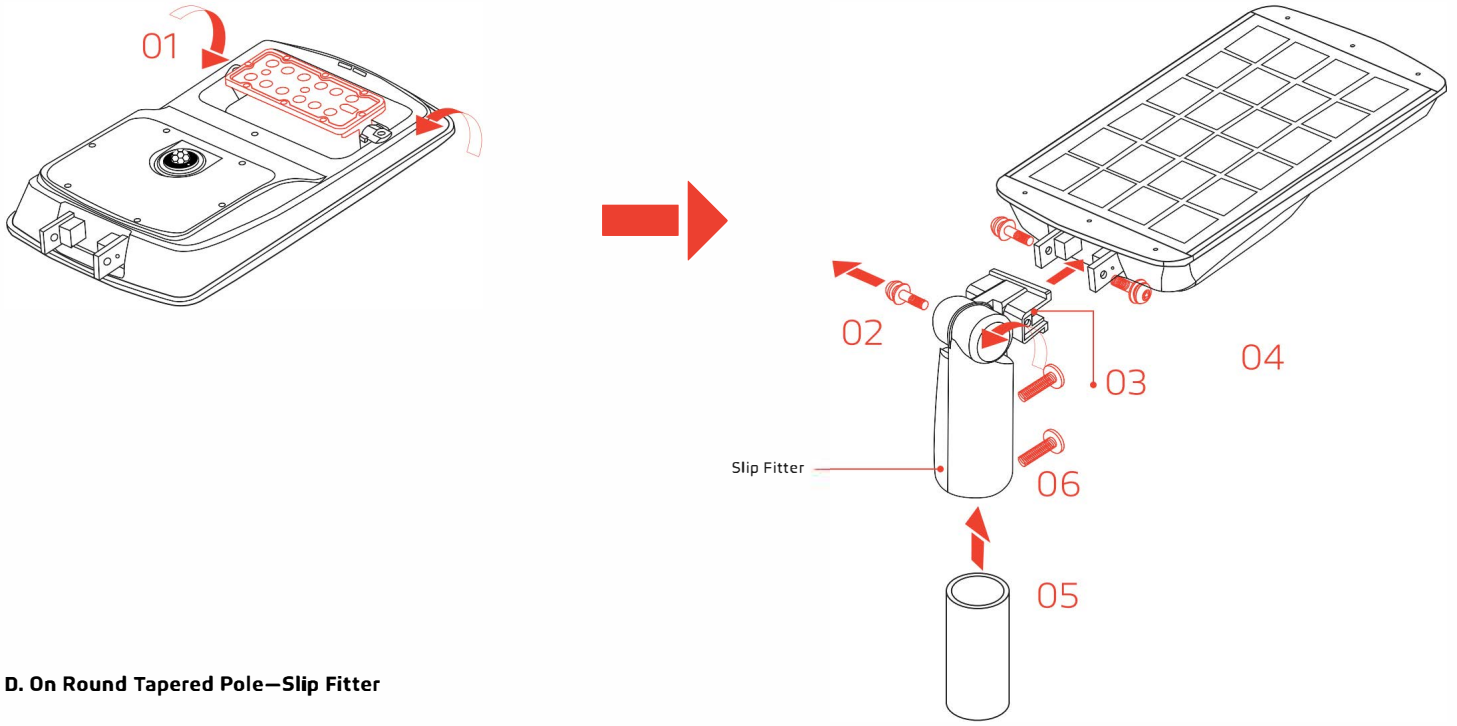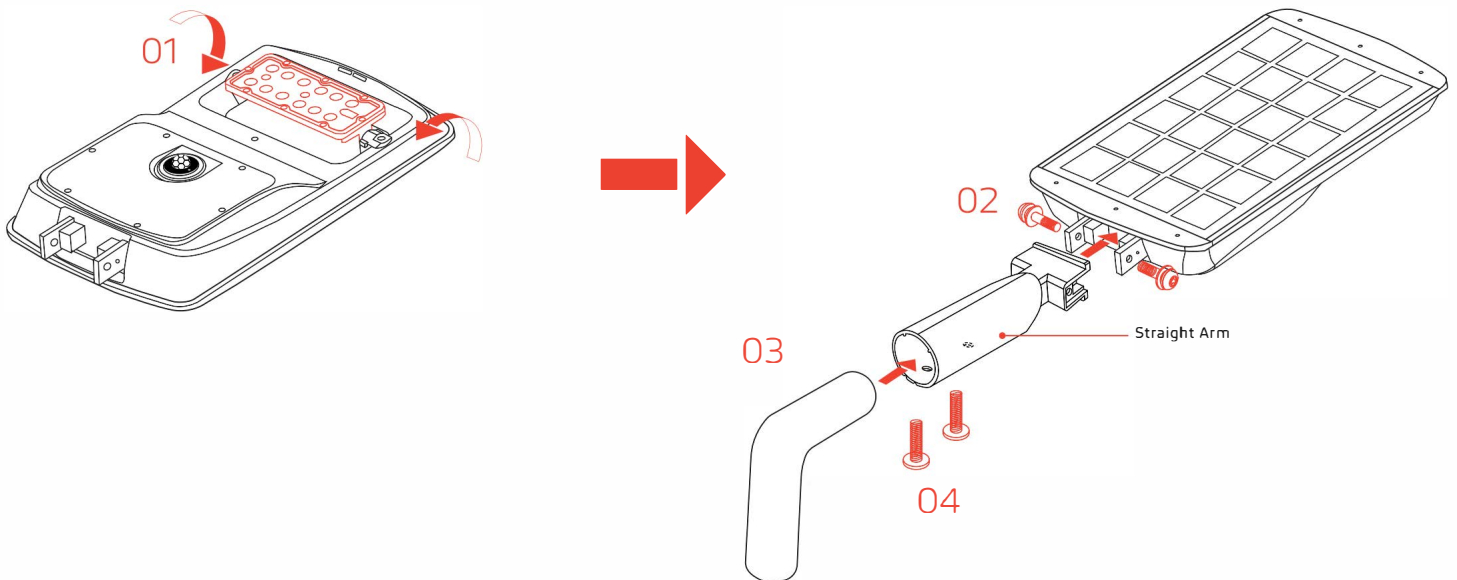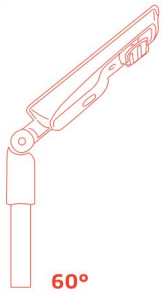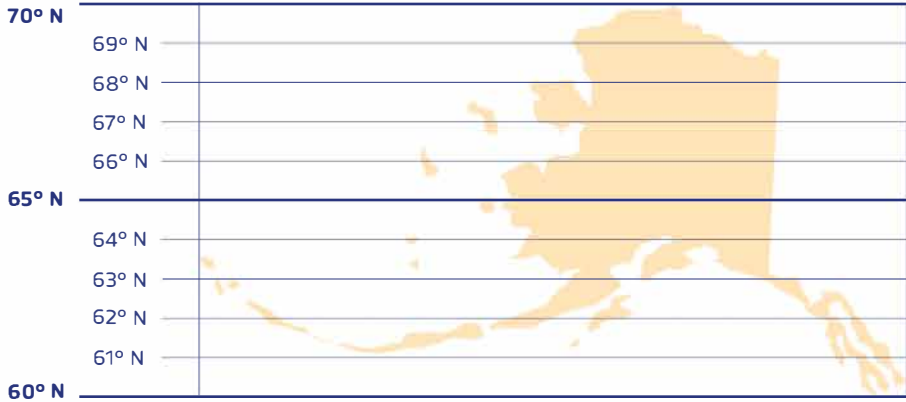

Slip Fitter

D. On Round Tapered Pole—Slip Fitter

E. On Round Tapered Pole—Straight Arm

Straight Arm

60°

45°

30°

15°

Alaska

70° N
69° N
68° N
67° N
66° N
65° N
64° N
63° N
62° N
61° N
60° N

49° N
48° N
47° N — Washington
46° N
45° N — Montana — North Dakota
44° N — Oregon — Minne
43° N — Idaho
42° N — Wyoming — South Dakota
41° N
40° N — Nevada — Nebraska
39° N — California
38° N — Utah — Colorado
37° N — Kansas
36° N
35° N — Arizona — New Mexico — Oklahoma
34° N
33° N
32° N
31° N — Texas
30° N
29° N
28° N
27° N
26° N
25° N

21° N
20° N
19° N

Hawaii

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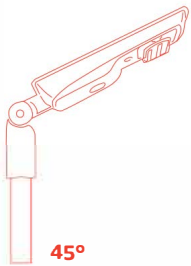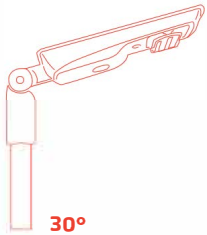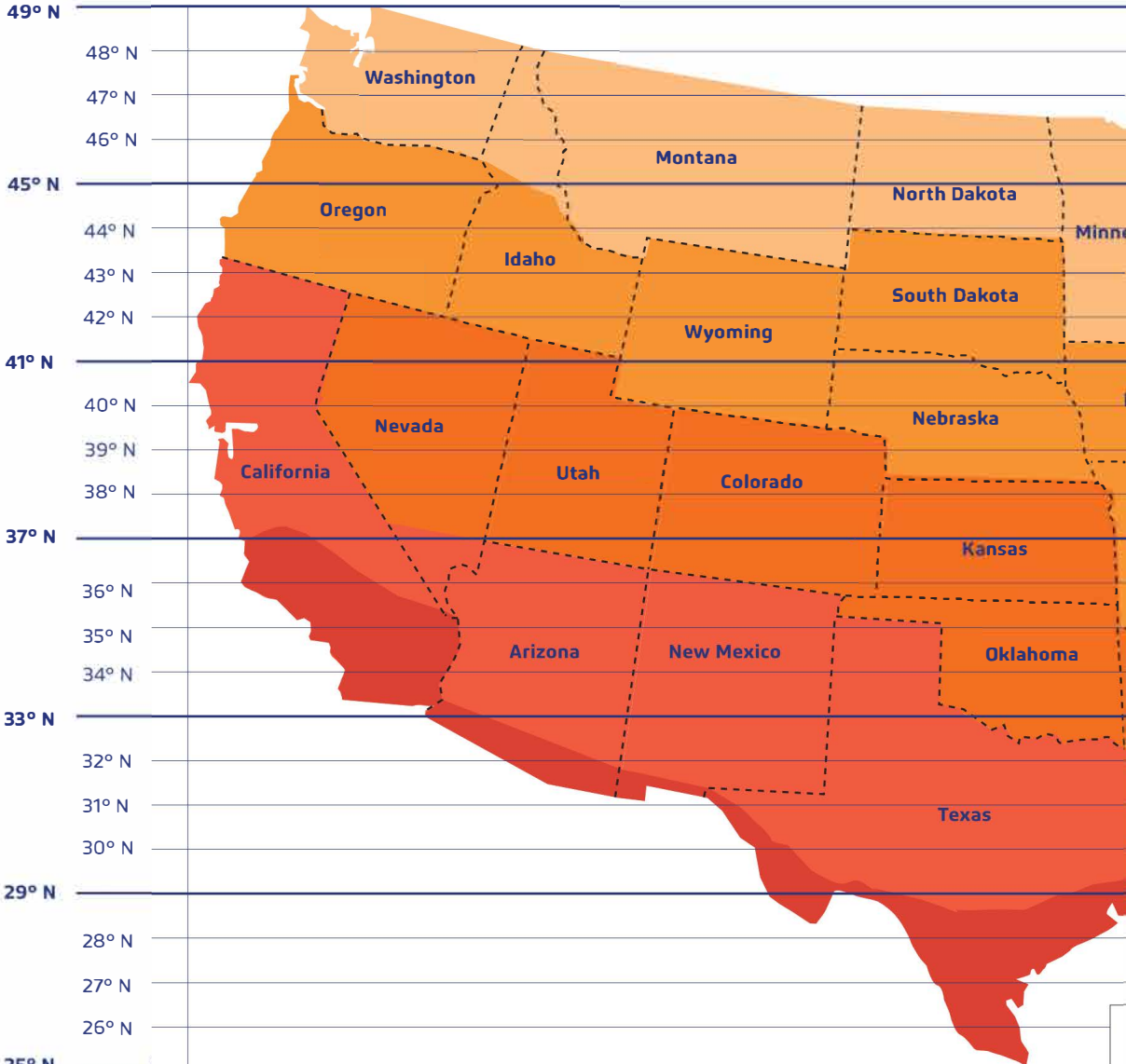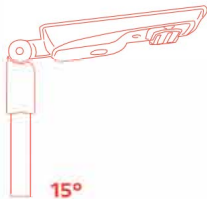
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The solar charge in a battery pack won't last forever. The off-grid system relies on stored solar energy for autonomy. Angling your solar panels properly can boost the power intake of your solar lighting system. You want to angle your solar panels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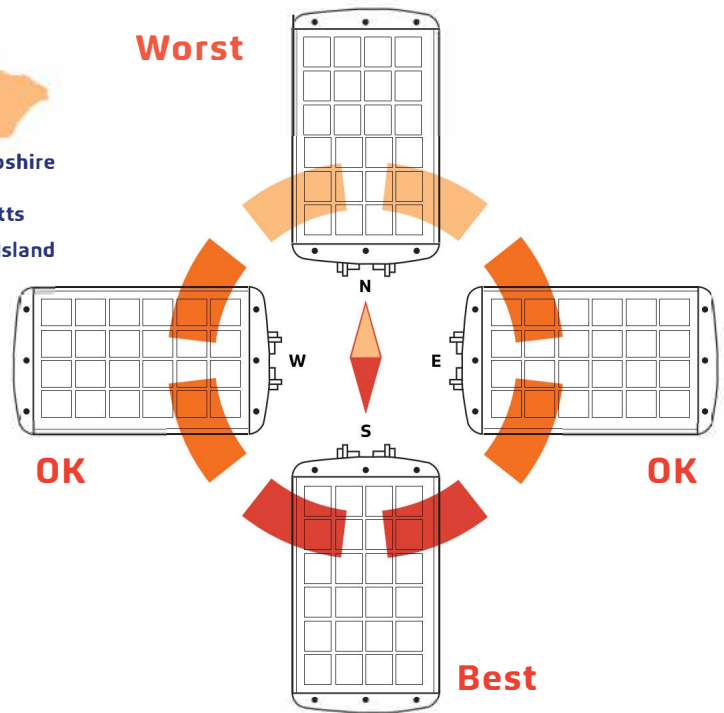
Tip

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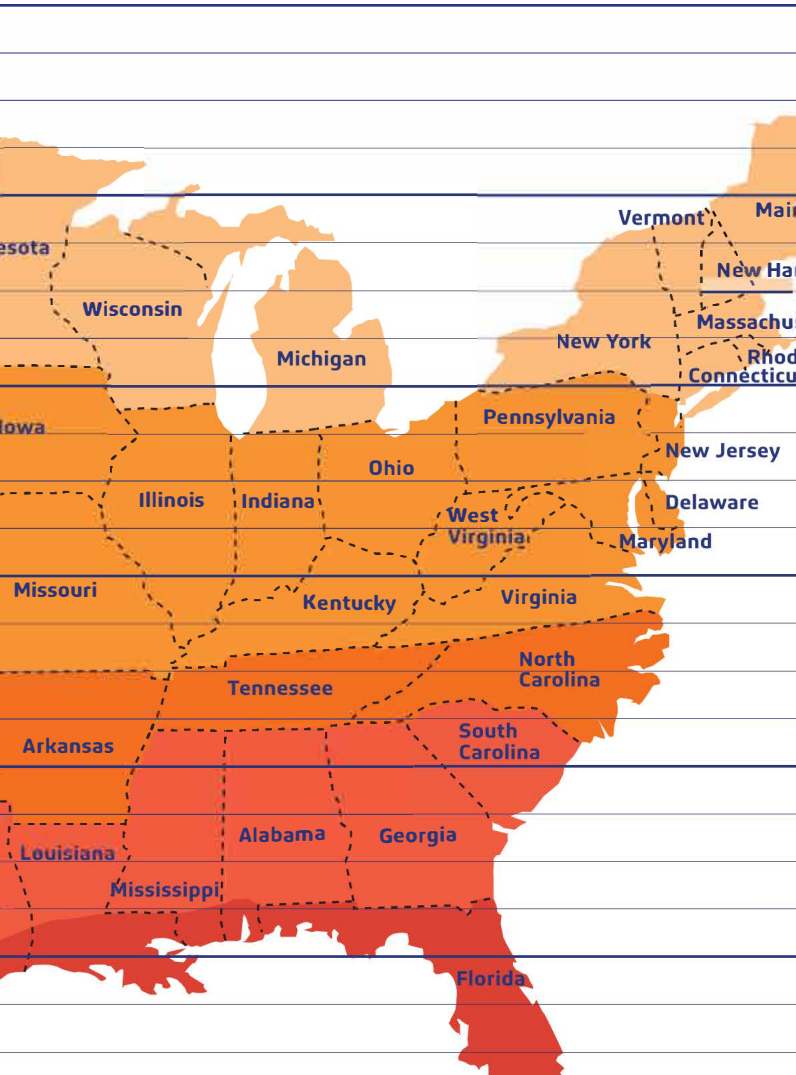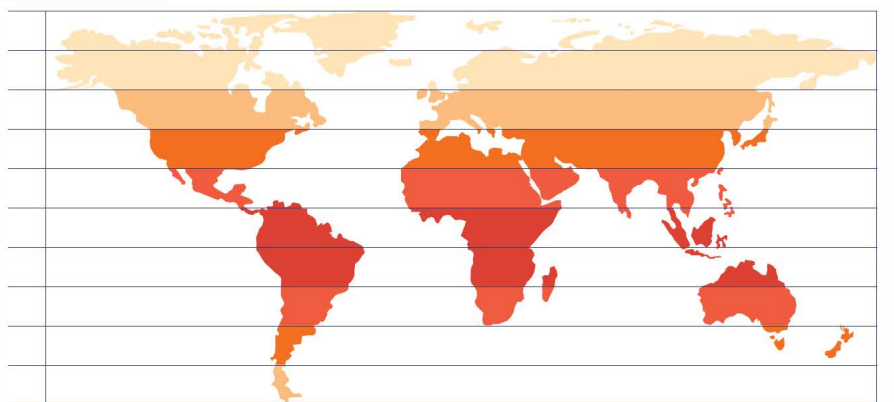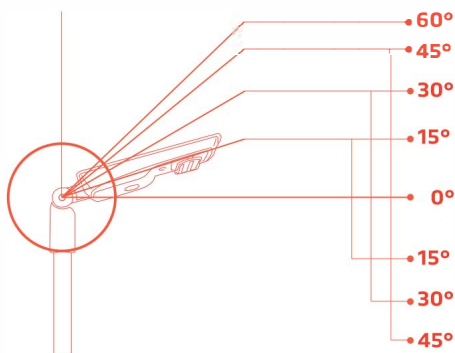
Key

Strong sunlight   Nromal sunlight   Less sunlight

Best Facing Direction of Solar Panel

Worst

N

W   E

S

OK   **OK**

Best

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.

Vermont, Maine, New Hampshire, Massachusetts, New York, Rhode Island, Connecticut, Michigan, Pennsylvania, New Jersey, Ohio, Delaware, Illinois, Indiana, West Virginia, Maryland, Missouri, Kentucky, Virginia, Tennessee, North Carolina, Arkansas, South Carolina, Louisiana, Alabama, Georgia, Mississippi, Florida, Wisconsin, esota, Iowa

World Wide Panel Angles

60°
45°
30°
15°
0°
15°
30°
45°

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REMOTE CONTROLS

1. On/Off

2. Connect/Test

3. 40%~100% Motion Sensor Mode

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

5. Night Owl Mode
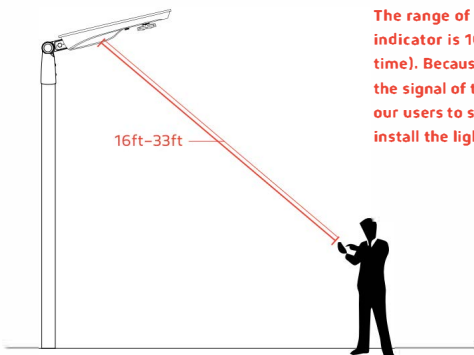
6. Early Bird Mode

7. 100% Constant Mode

10. Timer Mode Disabled

8. 70% Constant Mode

9. 40% Constant Mode

12. Time Mode 8 Hours

11. Timer Mode 4 Hours

On / Off

Connect / Test

Test

Sensor Mode

Night Owl Mode

Early Bird Mode

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Constant Mode

Scan QR code to access Remote Control Guide Video.

100%

70%

40%

Timer Mode Disabled

8H

4H

Timer Mode

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.

16ft–33ft

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. When all cables are connected and solar panel detectes sunlight, the fixture will automatically turn on. To test, press the "Test" button once, the LED light will turn on to indicate the fixture has been turned on. During the day time, the indicator will slowly flashing red. That means the battery is charging.

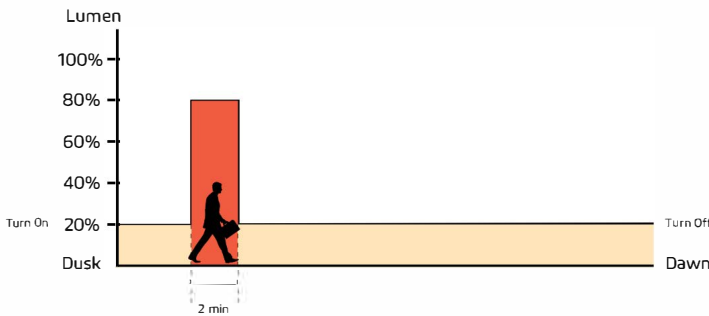| CATALOG		COMMENTS	
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REMOTE CONTROLS

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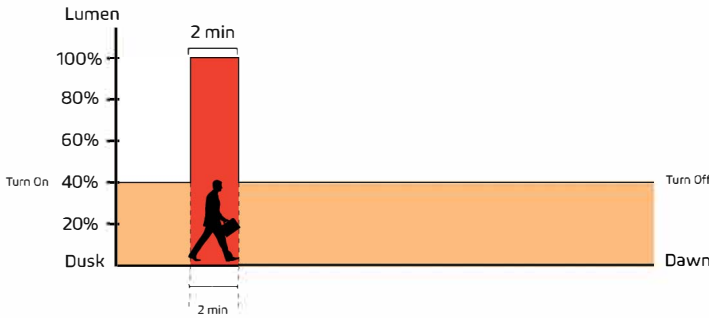
4. 20%~80% Motion Sensor Mode (Default)

Constant 20% brightness (turns on at dusk, turns off at dawn);
80% brightness turns on for 2 minutes when motion is detected.

5. Night Owl Mode

Changes as natural light decreases/increases (turns on at dusk); 70% brightness for 0.5 hour, 100% brightness for 3.5 hours, 70% brightness for 1 hour, 50% brightness for 1 hour, 20% brightness for 5 hours (turns off at Dawn).
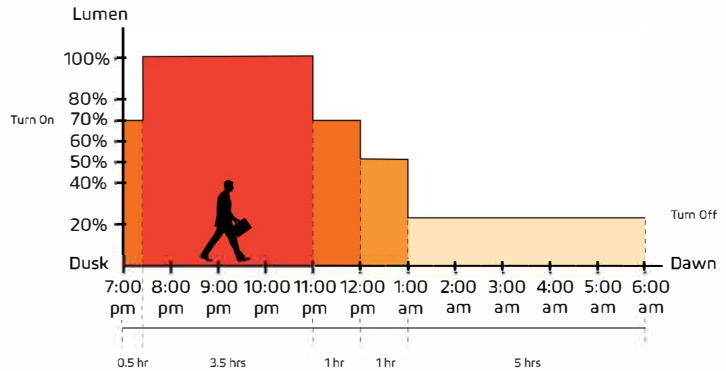
6. Early Bird Mode

Changes as natural light decreases/increases with increased brightness near dawn for early risers (turns on at dusk); 70% brightness for 0.5 hour, 100% brightness for 3.5 hours, 70% brightness for 1 hour, 50% brightness for 1 hour, 20% brightness for 4 hours, 100% brightness for 1 hour (turns off at Dawn).
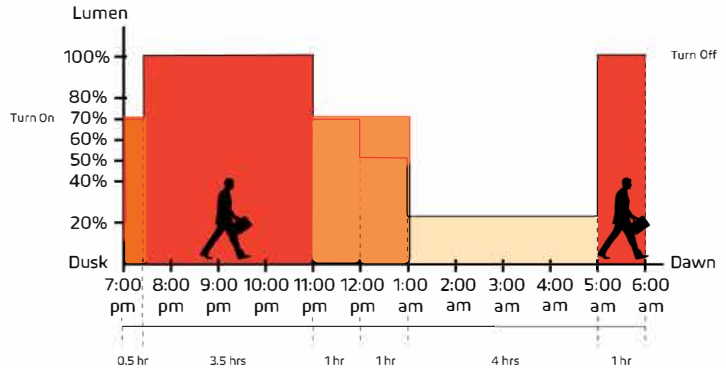

Important

Dusk and dawn time may be diffrent 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 PRO 30W

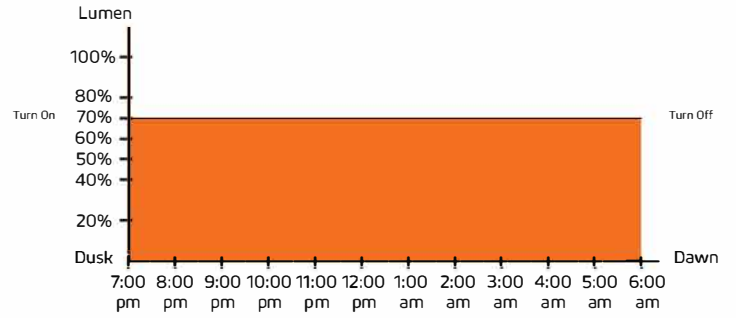| CATALOG		COMMENTS	
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REMOTE CONTROLS

7. 100% Constant Mode
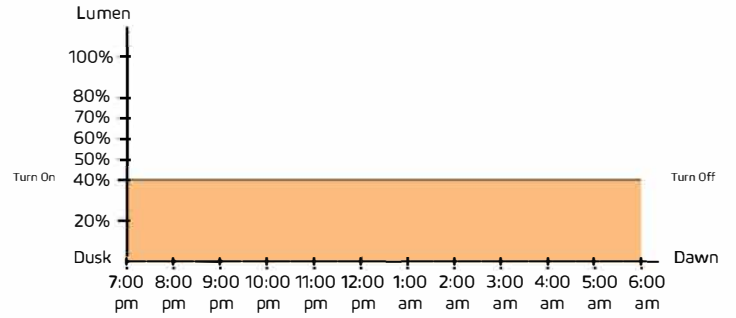100% brightness from dusk to dawn.
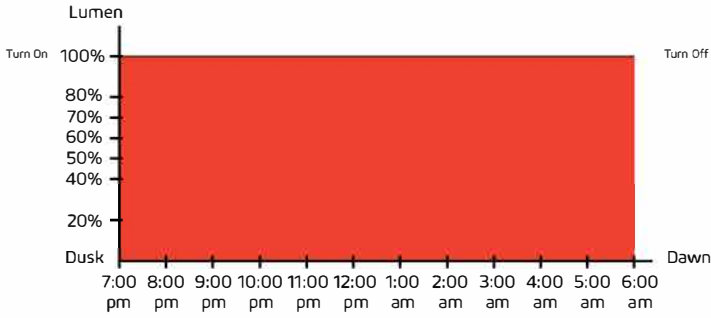
8. 70% Constant Mode
70% brightness from dusk to dawn.

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.

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REMOTE CONTROLS

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.
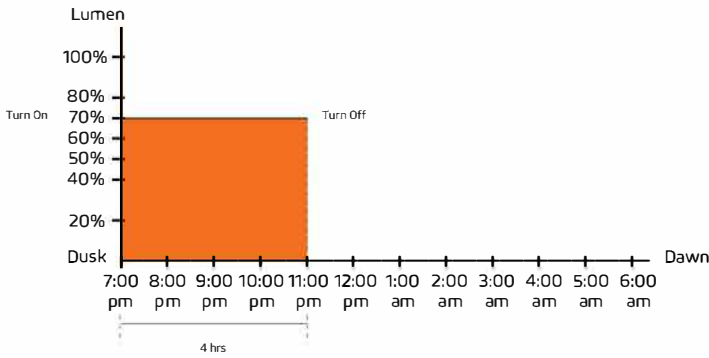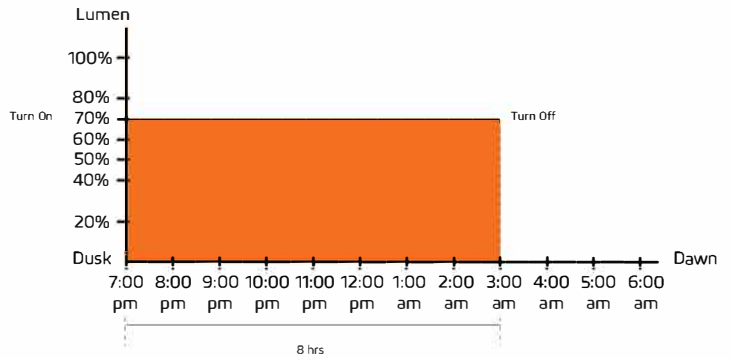

12. Time Mode 8 Hours

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.

Important
Dusk and dawn time can vary for different locations and seasons. The sensors in our products will monitor the light levels where it is installed. The time period shown in the chart above is just an example to help you understand the different lighting modes.

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WARRANTY

SUNLIKE PRO 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.

LAPAINDUSTRIES