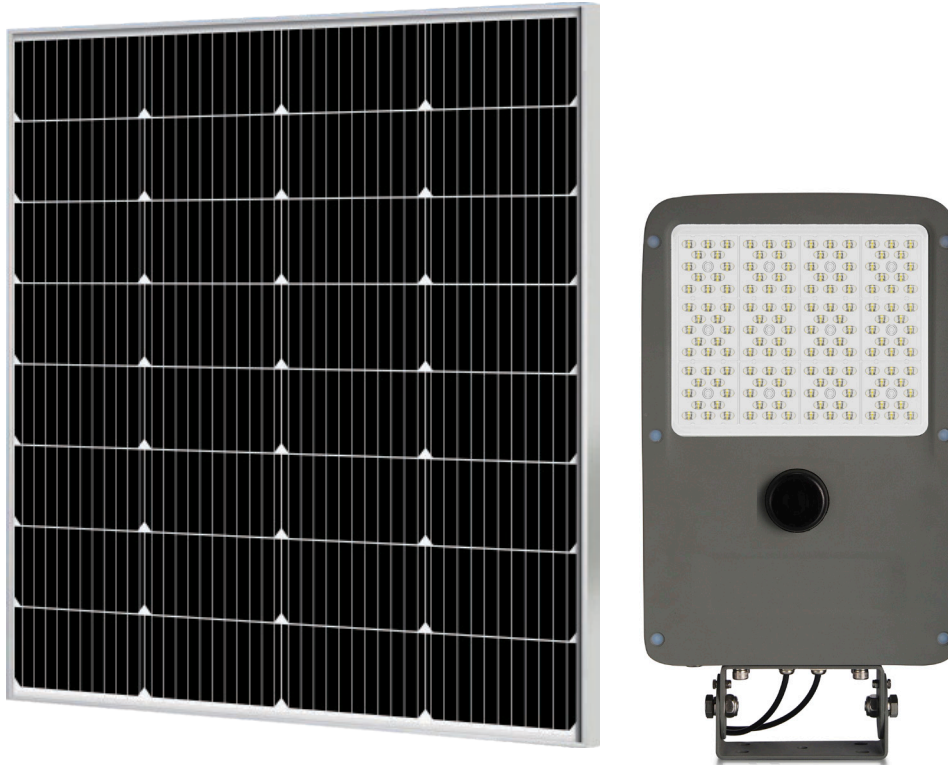
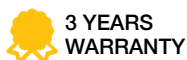


Alpha - Yoke | Solar Flood Light



The Alpha Solar Flood Light is a cost-effective solution for lighting gardens, courtyards, billboards, and building exteriors, including parking lots. Powered by free solar energy and easy to install without wiring, it keeps your space bright and secure without long-term electricity costs.

- Adjusting the solar panel angle maximizes solar collection and allows snow to slide off.
- The solar flood light has separate solar panel to collect the energy from sun.
- These flood light have smart controller that enables the power brightness, and lighting time to be adjusted via remote control.
- The light automatically switches on at dusk and switches off at dawn. Permanent lighting for first 4 hours at 100%, 4 hours a 50% and remaining hours at 30% when motion is detected power turns to 100%.
- 130 Lumen per watt and IP67 rated.
- PWM and MPPT Controller automatically track the maximum power point according to the weather verification.
- 3 Years limited warranty on all components.
- Bracket Option: Yoke mount and Slip Fitter.



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Alpha - Yoke | Solar Flood Light



15W

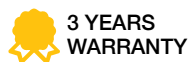


Model Number	AVS-SFL15W-Yoke
SKU	786500
Power	15W
Lumens	2200LM
Solar Panel	45W
Battery	16AH
CCT	3K/4K/5K/6K
Dimensions	10.4W x 17.3H In

20W



Model Number	AVS-SFL20W-Yoke
SKU	786600
Power	20W
Lumens	2800LM
Solar Panel	60W
Battery	24AH
CCT	3K/4K/5K/6K
Dimensions	10.4W x 17.3H In



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Alpha - Yoke | Solar Flood Light



30W

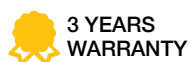


Model Number	AVS-SFL30W-Yoke
SKU	786700
Power	30W
Lumens	4800LM
Solar Panel	80W
Battery	32AH
CCT	3K/4K/5K/6K
Dimensions	10.4W x 17.3H In

40W



Model Number	AVS-SFL40W-Yoke
SKU	786800
Power	40W
Lumens	5500LM
Solar Panel	90W
Battery	16AH
CCT	3K/4K/5K/6K
Dimensions	10.4W x 17.3H In



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Alpha - Yoke | Solar Flood Light



50W

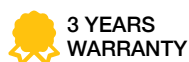


Model Number	AVS-SFL50W-Yoke
SKU	786900
Power	50W
Lumens	6800LM
Solar Panel	100W
Battery	24AH
CCT	3K/4K/5K/6K
Dimensions	10.4W x 17.3H In

60W



Model Number	AVS-SFL60W-Yoke
SKU	786000
Power	60W
Lumens	7200LM
Solar Panel	110W
Battery	32AH
CCT	3K/4K/5K/6K
Dimensions	10.4W x 17.3H In



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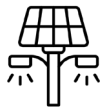
Alpha - Yoke | Solar Flood Light



Model Number	AVS-SFL15W-Yoke	AVS-SFL20W-Yoke	AVS-SFL30W-Yoke	AVS-SFL40W-Yoke	AVS-SFL50W-Yoke	AVS-SFL60W-Yoke
SKU	786500	786600	786700	786800	786900	786000
Light Head						
Lumens	2200LM	2800LM	4800LM	5500LM	6800LM	7200LM
Power	15W	20W	30W	40W	50W	60W
CRI	>79					
CCT range (dual color)	3K/4K/5K/6K					
LED Lifetime	>100,000 hours					
Light Dimension	24.1x10.4x3.8 In					
Solar Panel						
Power	45W	60W	80W	90W	100W	110W
Cable & Connector	2.9Ft solar cable + MC4 connectors					
Charging Time	-					
Operating Temp.	40°F ~ 185°F					
MPPT Controller						
MPPT tracking efficiency	98%					
Operating Temp.	-31°F ~ 149°F					
LiFePO4 Battery						
Battery Type	LifePO4 6000mA 3.2V 32700					
Battery Capacity	16AH	24AH	32AH	16AH	24AH	32AH
Battery lifetime	4000 cycles @ D.O.D 50%					
Charge mode	C.C + C.V					
Storage Temp.	41°F ~+ 95°F					
Operating Temp.	-13°F ~ 149°F					
Performance						
IP Rating	IP65					
Dimensions						
Size	10.4W x 17.3H In					

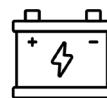
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Product Design and Benefits



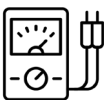
High Brightness LED

High brightness led enhances visibility and safety while providing energy-efficient.



LiFePo4 Battery

Grade A+ Battery cell with high uniformity of internal resistance and charging and discharging.



MPPT Charge Controller

maximizes energy efficiency ensuring longer battery life and consistent illumination without blackout.



Programmable by Remote

The lighting program can be modified anytime by remote control according to customers' requirement.



Robust Design

Robust design of light fixture provides superior durability, corrosion resistance, and heat dissipation.



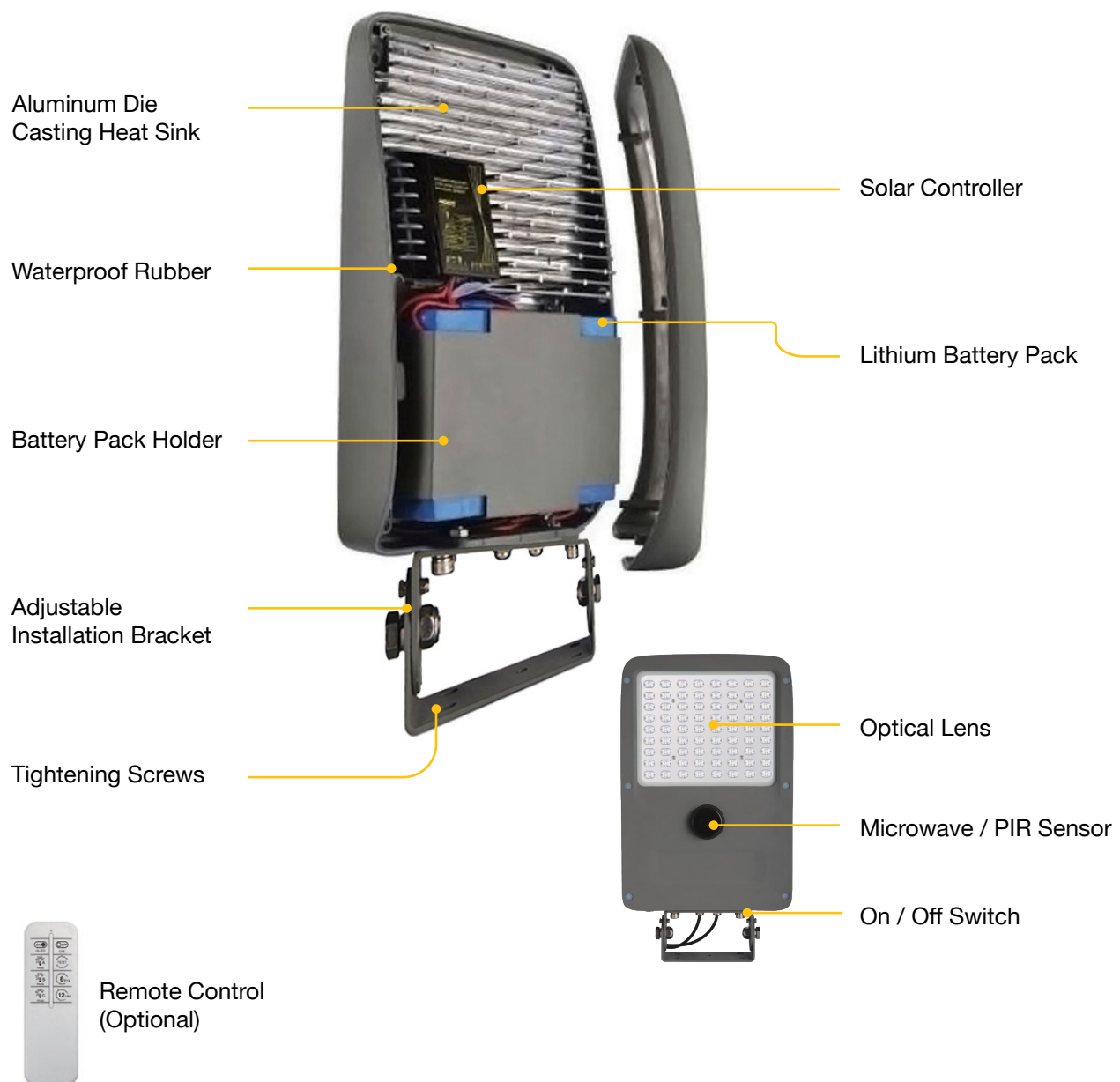
Hybrid function (Solar & Grid)

Solar energy can be mixed with the power grid to ensure stable operation of street lights under any weather conditions

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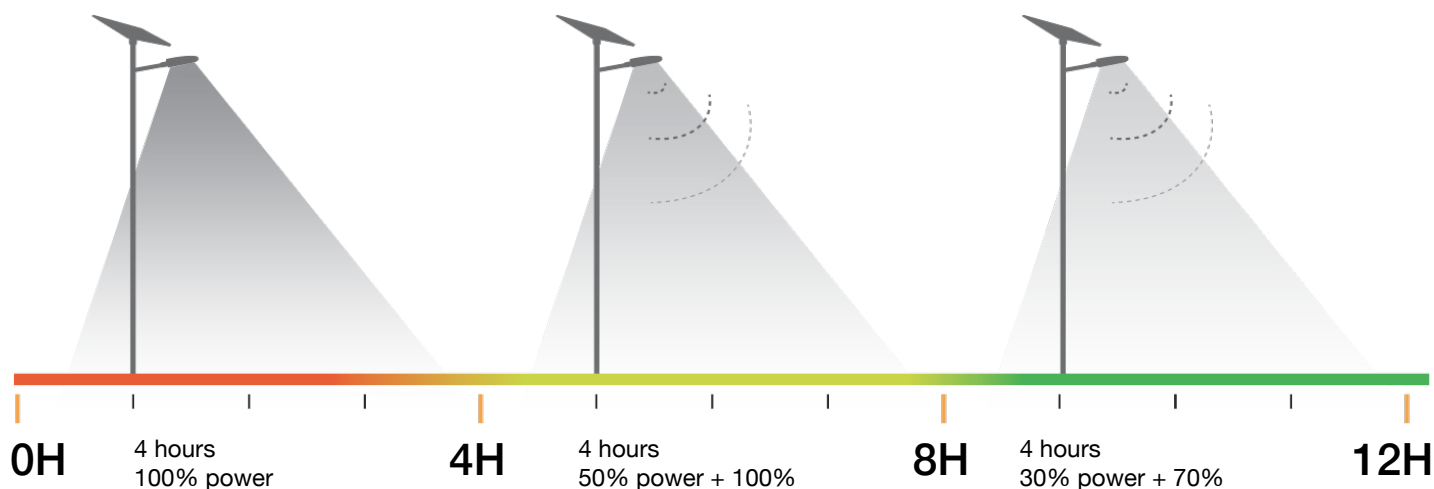
Features

The Solar Sign Light consumes 100% less power than traditional flood lights. With a built-in battery, solar controller, and sensor, it simply connects to an 18V panel using an MC4 plug—no additional setup required, making installation quick and easy. A smart controller also allows you to adjust brightness and lighting duration via remote control.

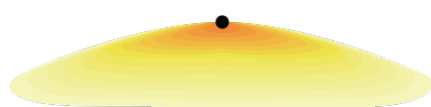


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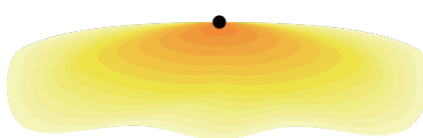
Default Lighting Profile



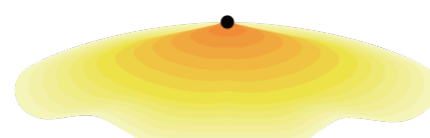
LED Optics Optional



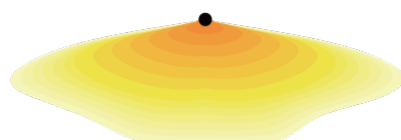
T2-L
IESNA Type II
(long)



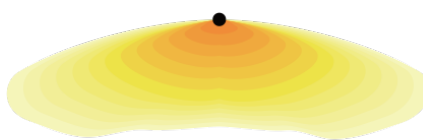
T2-S
IESNA Type II
(short)



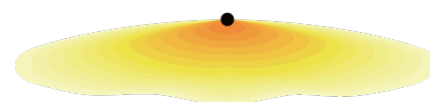
T3
IESNA Type III
(medium)



T3B
IESNA Type III
(medium min
backlight)



T3-M
IESNA Type III
(medium)



T3-L
IESNA Type III
(long)

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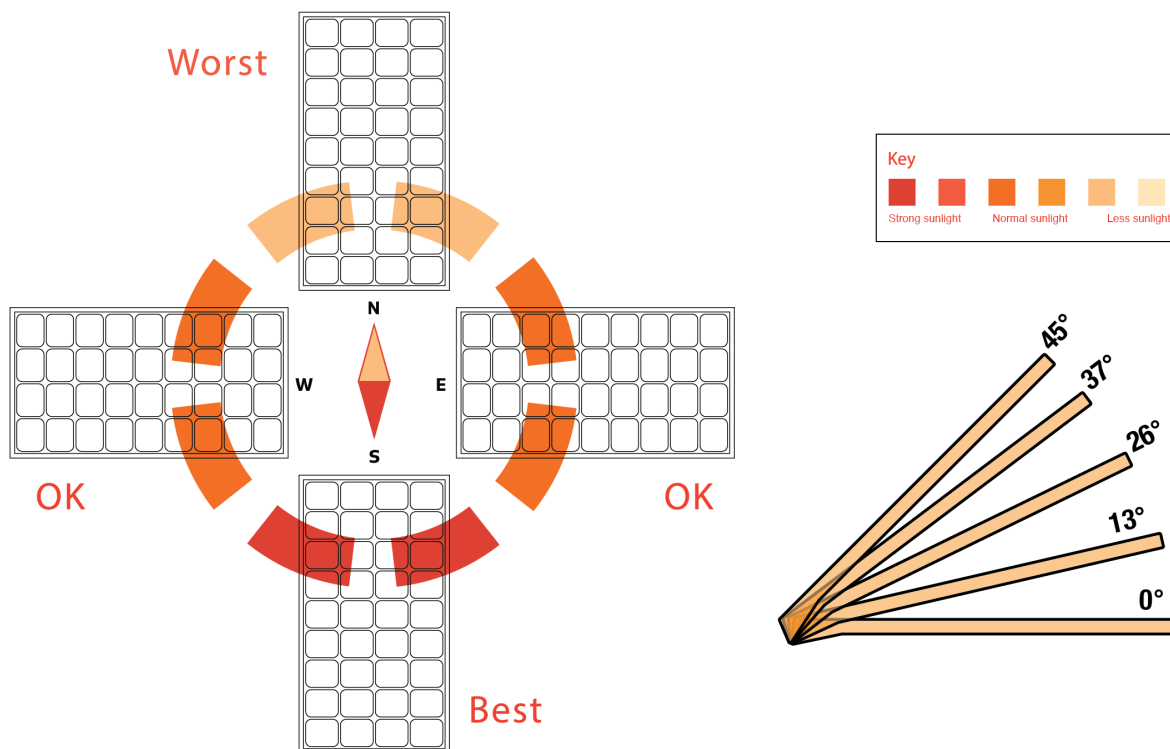
Optimum Panel Orientation

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

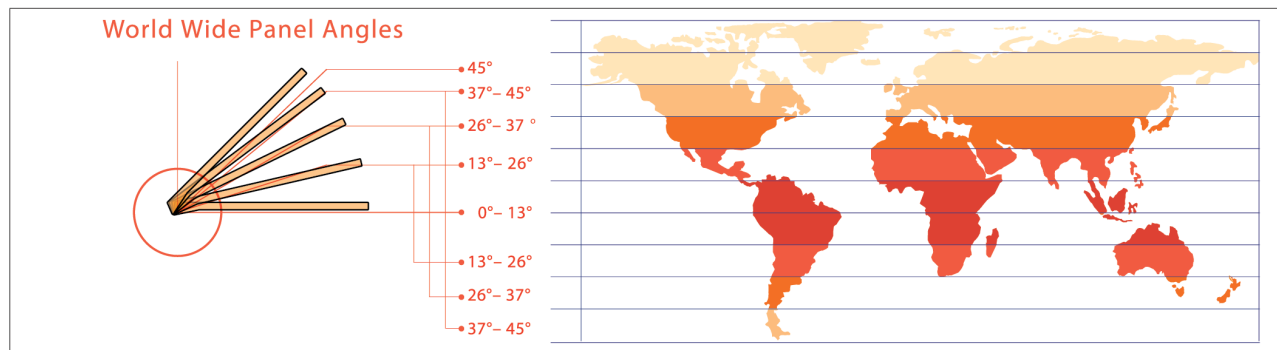
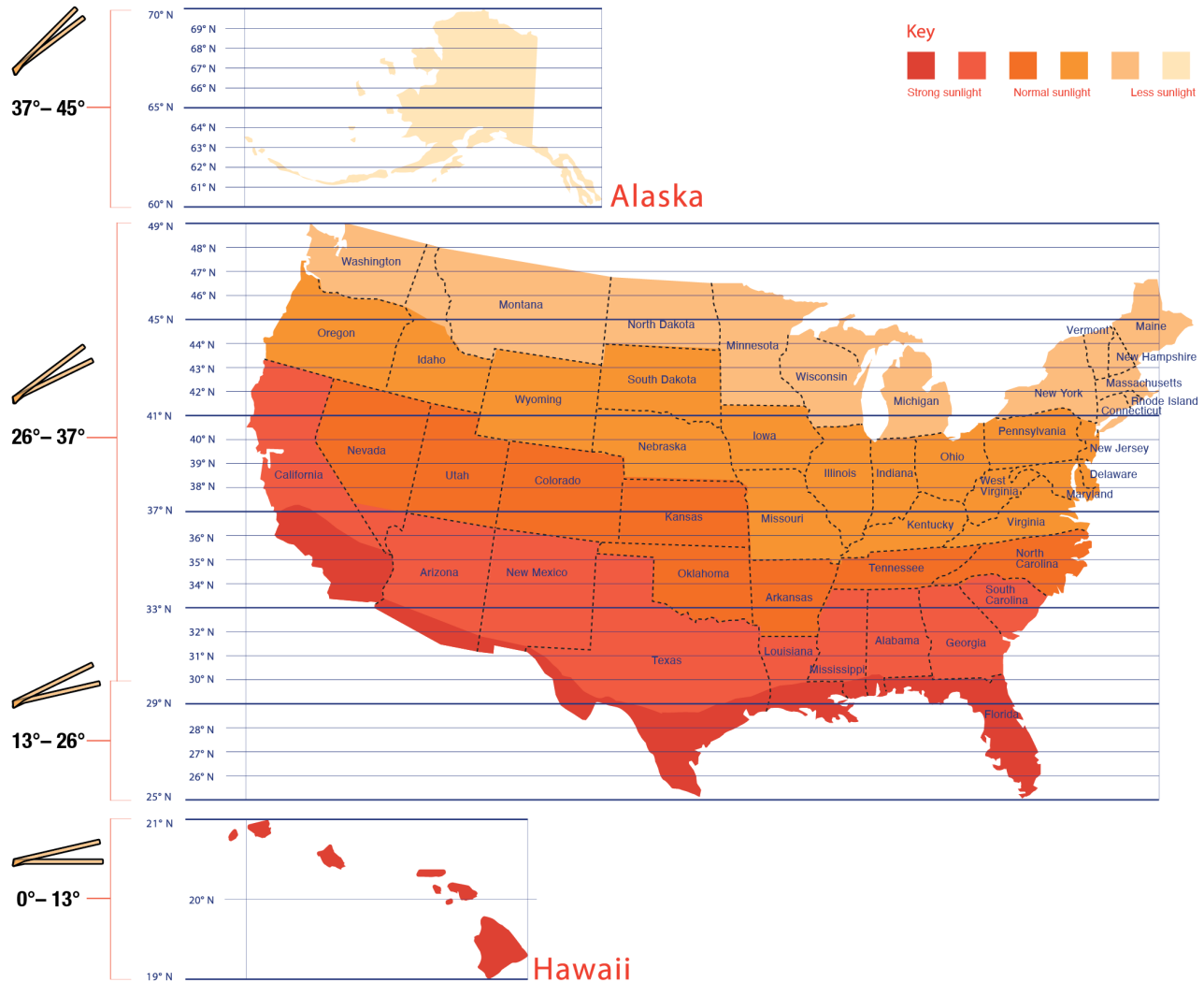
You can increase the tilt 15° in the winter or decrease 15° in the summer. In this way, you can get the maximum sunlight to recharge the battery.

Best Facing Direction of Solar Panel



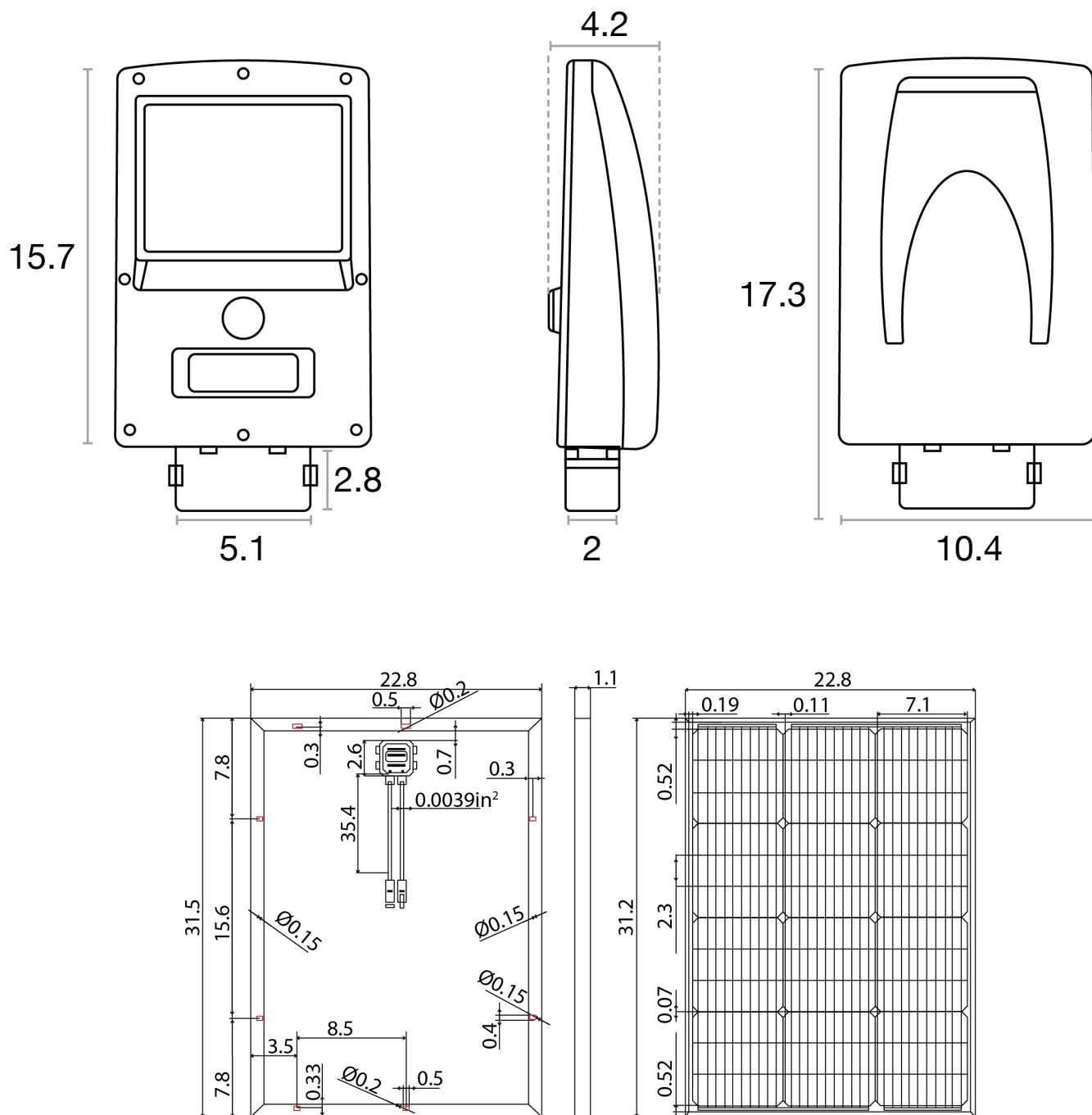
The area will dictate the installation of the fixtures and will sometimes prevent the lights from facing south. Panels facing West & East won't get as much light as southern-facing panels, but will still collect a good amount of sunlight. A north-facing panel also works, but it will take longer to charge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

Optimum Panel Orientation



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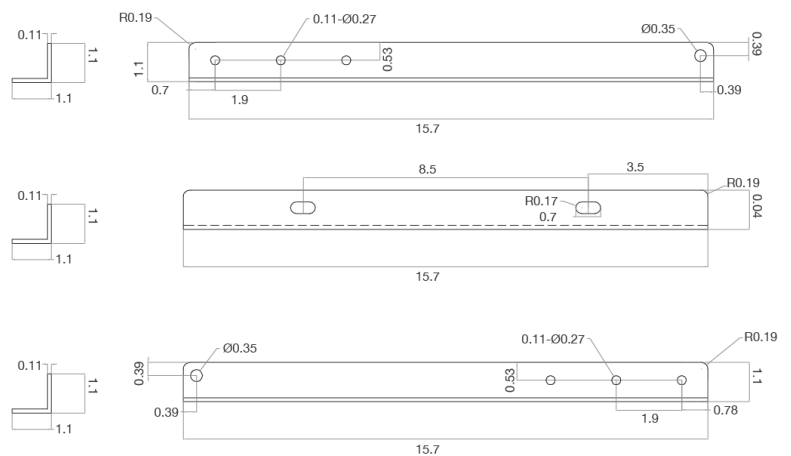
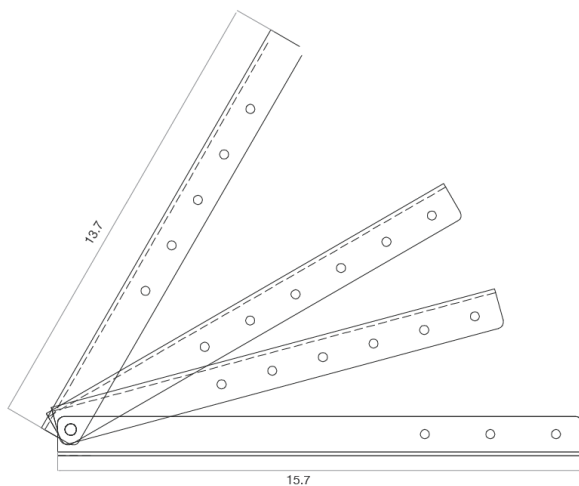
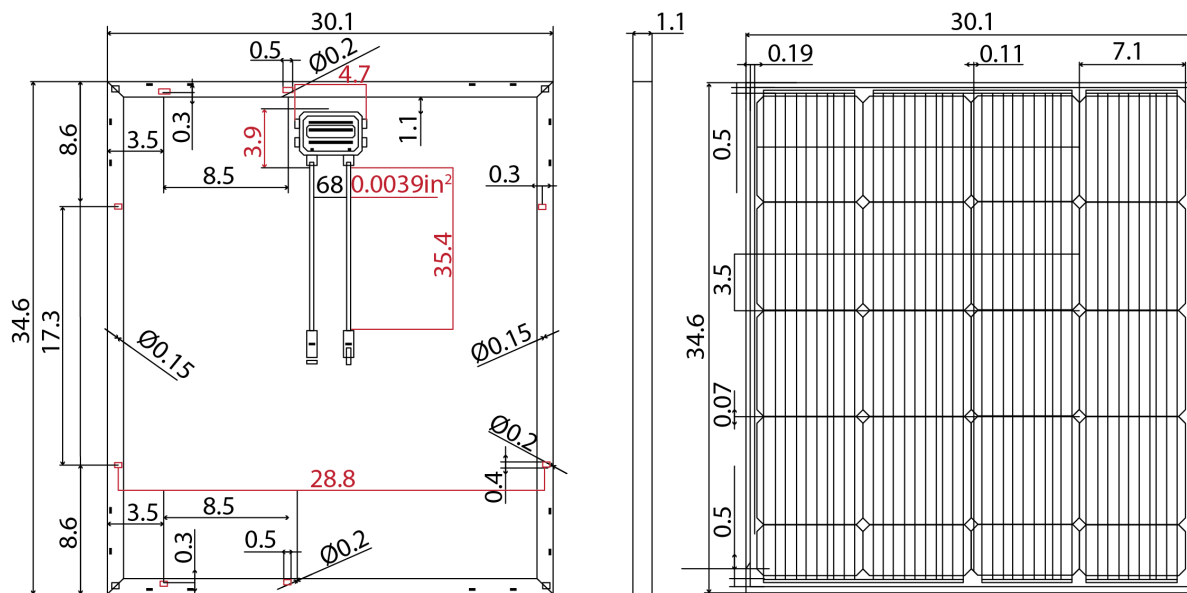
Dimensions



*All Dimensions are in Inches (in)

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Dimensions



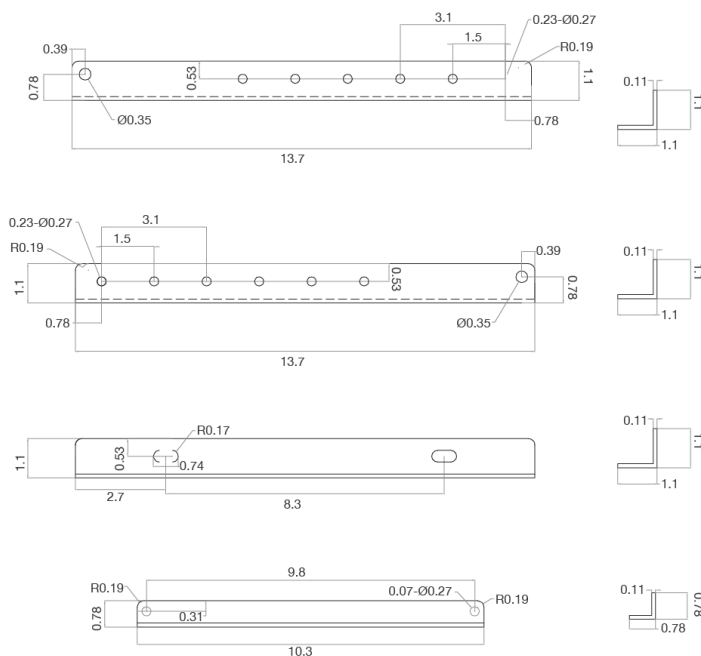
*All Dimensions are in Inches (in)

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Alpha - Yoke | Solar Flood Light



Dimensions



Materials in Package



Solar Light 1pc



2.9Ft Solar Cable



Remote Control (Optional)

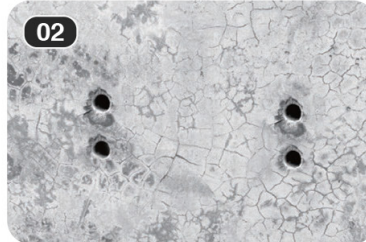
*All Dimensions are in Inches (in)

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Installation Instructions



1. Measure the holes from the light bracket and make two marks to drill.



2. Drill 2 holes with an M10 drill bit on the surface according to the two marks.



3. Place the expansion screw into the hole.



4. Remove the shrapnel, washer, and the nut from screws.



5. Place the light bracket over the fixings.



6. Place the light bracket over the fixings, replace washers.



7. Tighten the two nuts with wrench.



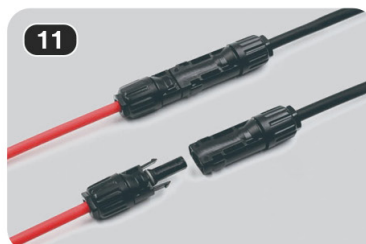
8. Install the flood light and adjust the light direction as needed. Tighten the fixings.



9. Install the solar panel bracket onto the solar panel, adjust the angle, and then secure it with screws.



10. Install the solar panels in the location, and make sure solar panel is exposed to full sunlight.



11. Connect the adapter cable between the solar floodlight and the solar panel. Insure that this waterproof connection is secured.

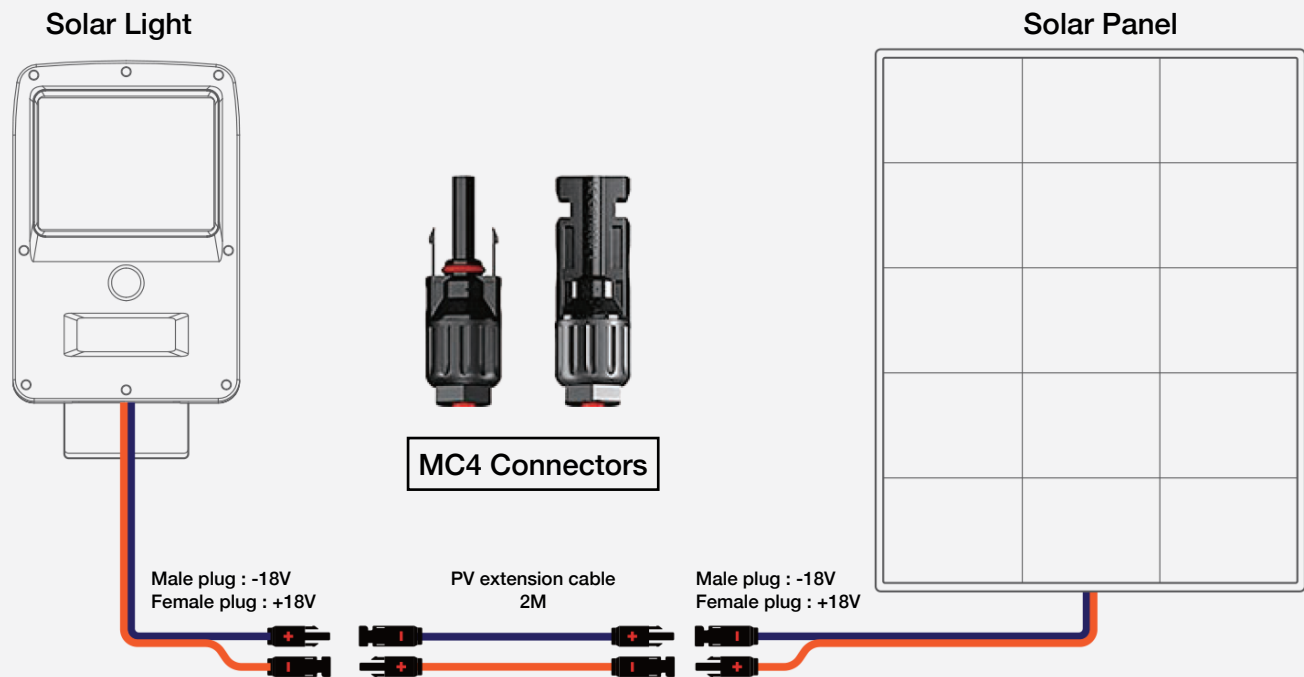


12. Turn on the light switch and use the remote control to set the desired lighting effect.

Installation Tips

We recommend always installing this solar floodlight in a location where the solar panel is exposed to direct sunlight to ensure maximum performance. The working time of the solar floodlight is directly related to the panel's exposure to sunlight, and its performance may vary depending on weather and seasonal conditions. In manual mode, the light can also operate during the daytime while the solar panel is charging. This feature is ideal for areas that never receive daylight, such as warehouses, wine caves, etc. Remember to clean the solar panel periodically when it becomes dirty.

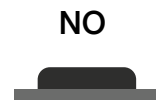
Wiring Connection



Button Switch



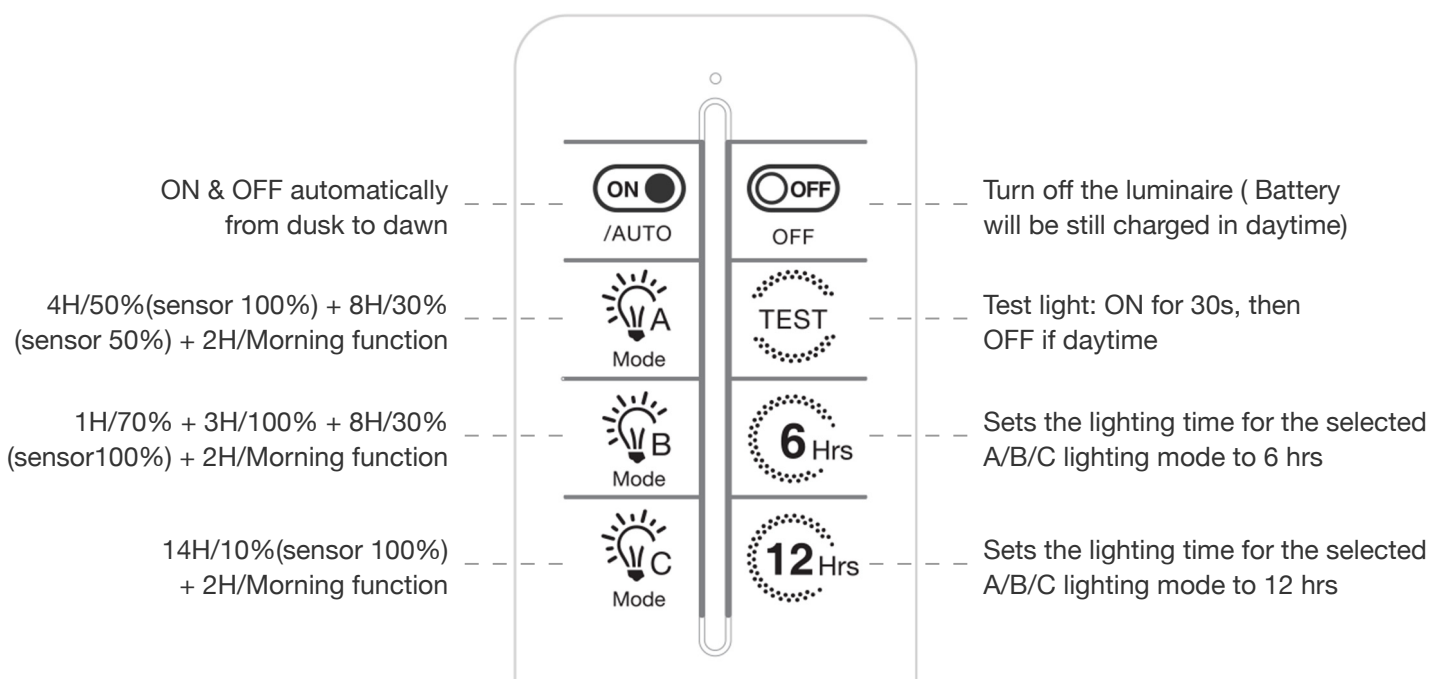
The button should be at ON position to active the whole system.



Regular Troubleshooting

Problem	Reason	How to solve
Light is off	Switch is off	Turn on the on/off switch of light
	No direct sunshine	Move the light to the direct sunny area
	Continuous cloudy or rainy days	Light will back to work when sun returns
	There is debris on solar panel	Clean the solar panel
Short working time	Location problem	Move the light to the area with direct sunshine
	Continuous cloudy or rainy days	Light will be recharged when sun returns
	Battery life is expired	Replace with a new battery

REMOTE CONTROL (OPTIONAL)



Note:

1. Turn on switch button in the solar light before use.
2. Default lighting mode: A.
3. 2H/Morning function = 2H before dawn @ 40% constant output.
4. Modes A/B/C programs could be changed prior to notice, pls be subject to the sticker at backside of remote.
5. Press OFF to turn off light (Charging will be still functional), Press ON restores last setted mode.
6. 6Hrs/12Hrs : Set duration for current mode (A/B/C). Press mode button (A/B/C) again to reset to default time.

 4H/50%(sensor 100%)
+ 8H/30%(sensor 50%)
+ 2H/Morning function

 +  4H/50%(sensor 100%)
+ 2H/30%(sensor 50%)

 +  4H/50%(sensor 100%)
+ 8H/30%(sensor 50%)

Please note that mode settings (A/B/C) may be updated without prior notification.
Please always refer to the label information of the actual remotes you receive.

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Alpha - Yoke

Solar Flood Light



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