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APPLICATIONS

COSMO Flood lights can be used in gardens, courtyards, tennis courts and landscapes as well as for extra lighting in parking lots. It also serves to brighten pathways in parks or on campuses, or any location where having an LED outdoor light would be helpful, while avoiding the expense of running wires to the location.

DESCRIPTION

This versatile solar flood light has a separate solar panel to collect energy from the sun. The solar panel also contains a sensor which activates the light when it is sufficiently dark. This unit comes with a remote control so that you can select your desired mode, brightness and timer options. After a full charge, this solar light can be activated in increments of 10% brightness for a full 12 hours. If not fully charged, it has a built-in feature that adjusts to the maximum possible brightness for up to 12 hours. It can also be set on a timer mode for 3 hours, or 5 hours. There is also a Manual mode that allows the user to turn on the light and keep it on, for as long as desired. In this mode, the light will not turn off automatically during daylight hours and must be turned off manually.

CERTIFICATION DATA



ORDERING INFORMATION

SERIES	WATTAGE	COLOR TEMPERATURE	MOUNTING OPTIONS	FINISH
STL-SWL=COSMO	10=20W 2000 Lumens 20=50W 5000 Lumens	4=4000K 5=5000K 6=6000K	WM=WALL MOUNT	BK=BLACK

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SPECIFICATION FEATURES



Generates More Solar Energy and Stores More Energy

- Adjusting the solar panel angle maximizes solar collection & allows snow to slide off.
- The solar flood light has a separate solar panel to collect energy from the sun.
- (IAP) Intelligent Adaptive Program Battery Control Technology that stays lit all night, even through cloudy or rainy days.



Longer Life

- 6 operating modes for indoor and outdoor use
- Remote control can adjust brightness and set the timer
- LED Indicators show 3 levels power storage



Multifunctional & Flexible

- The light can be used separately from the solar panel for both indoor and outdoor uses
- Use outdoor as a flag pole light, sign light, billboard light, or wall pack
- Use indoor as bus stop & shelter lighting



Highly Versatile Design

- The easiest way to bring lighting to both indoor and outdoor applications

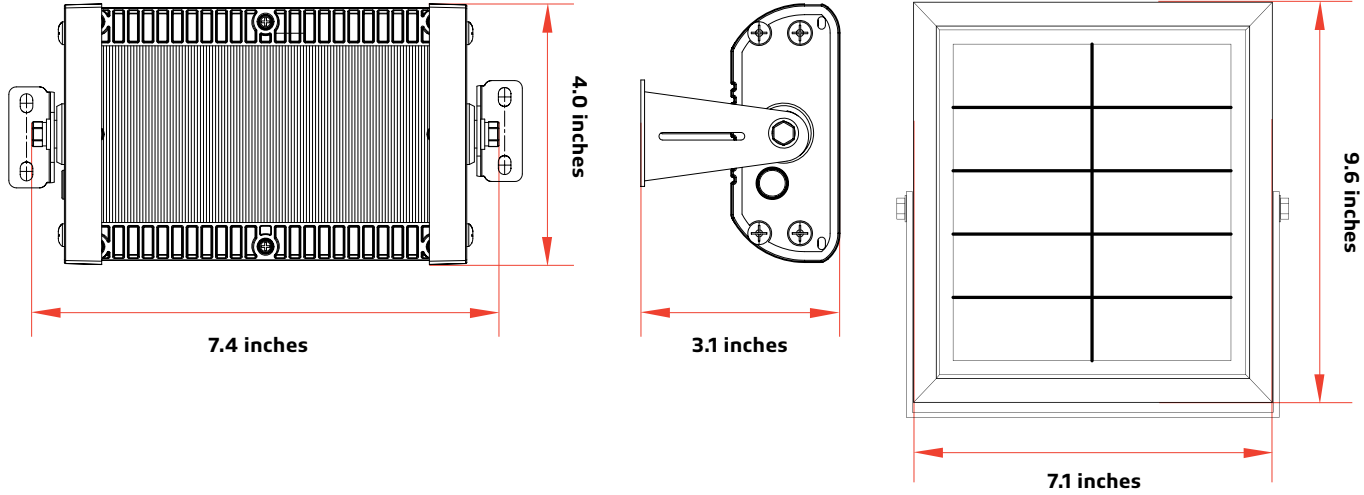


COSMO 20W 50W

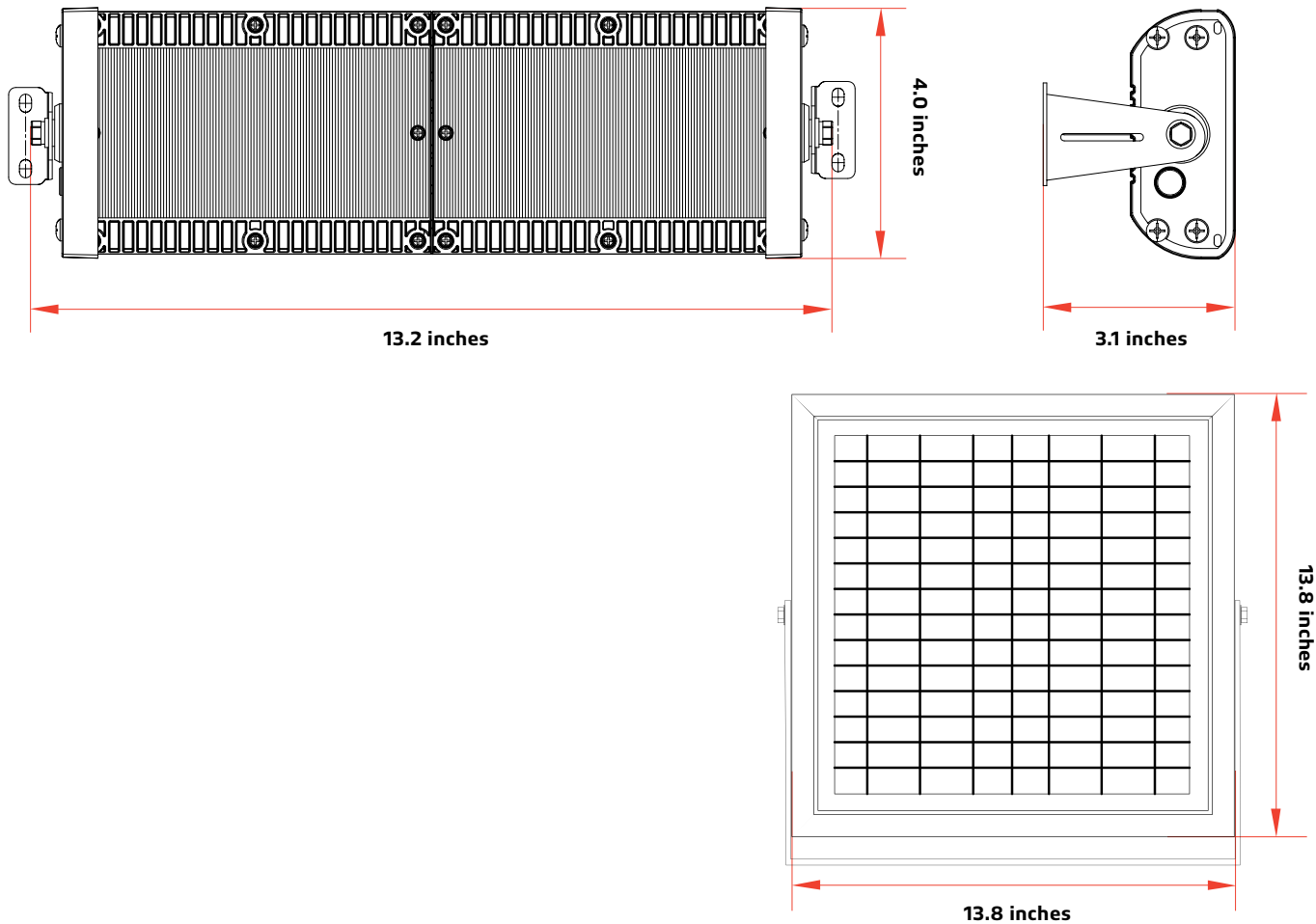
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PRODUCT SIZE

COSMO 20W



COSMO 50W



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SPECIFICATIONS

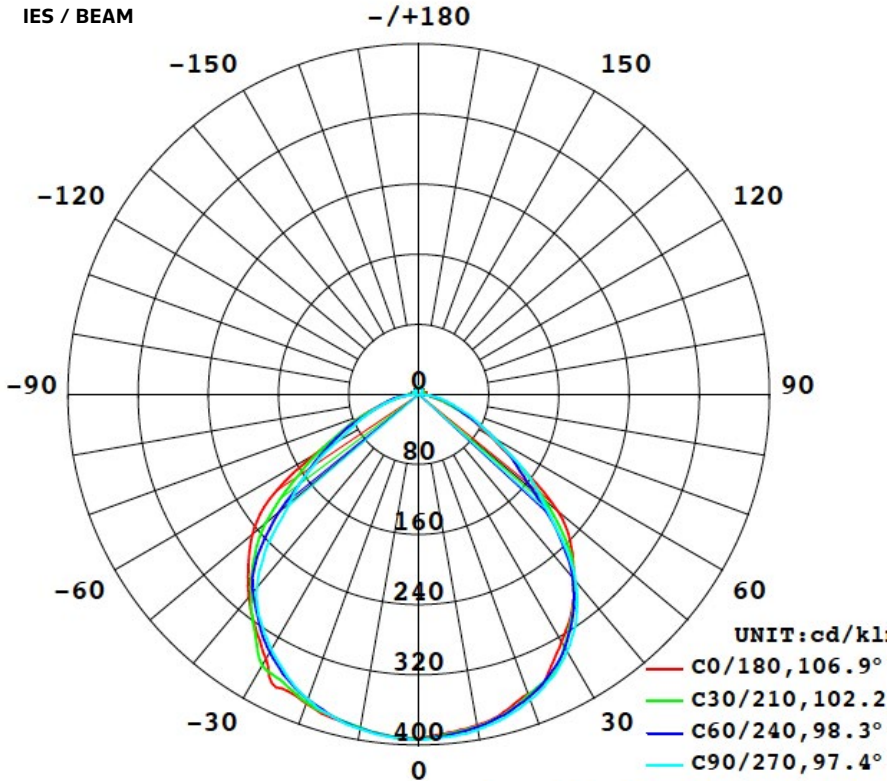
LED Nominal Power	20W	50W
Solar Panel	Mono-Crystalline Silicon 5.2W	Mono-Crystalline Silicon 14.3W
Lithium Ion Battery	29.6WH 3.7V 8AH	66.6WH 3.7V 18AH
CCT	4,000K, 5,000K, 6.000K	4,000K, 5,000K, 6.000K
Lumen Output@6000K	2,000	5,000
CRI	> 70	> 70
Product Size	Solar Panel 9.6 X 7.1 Inches Light 7.4 X 4.0 X 3.1 Inches	Solar Panel 13.8 X 13.8 Inches Light 13.2 X 4.0 X 3.1 Inches
PIR Sensor Angle/Distance	120° / 9.8–16.4 ft	120° / 9.8–16.4 ft
Waterproof Rate	IP65	IP65
Casting	PC & Aluminum	PC & Aluminum
Efficiency@5000K	100 lm/W	100 lm/W
* Charging Time	8 hrs (1000W/m ²)	8 hrs (1000W/m ²)
Run Time (@Full Power)	8 Nights	8 Nights
Operation Mode	6 Operating Modes	6 Operating Modes
* Operating Temperature	-4 °F to 140 °F	-4 °F to 140 °F
* Charging Temperature	32 °F to 131°F	32 °F to 131°F

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

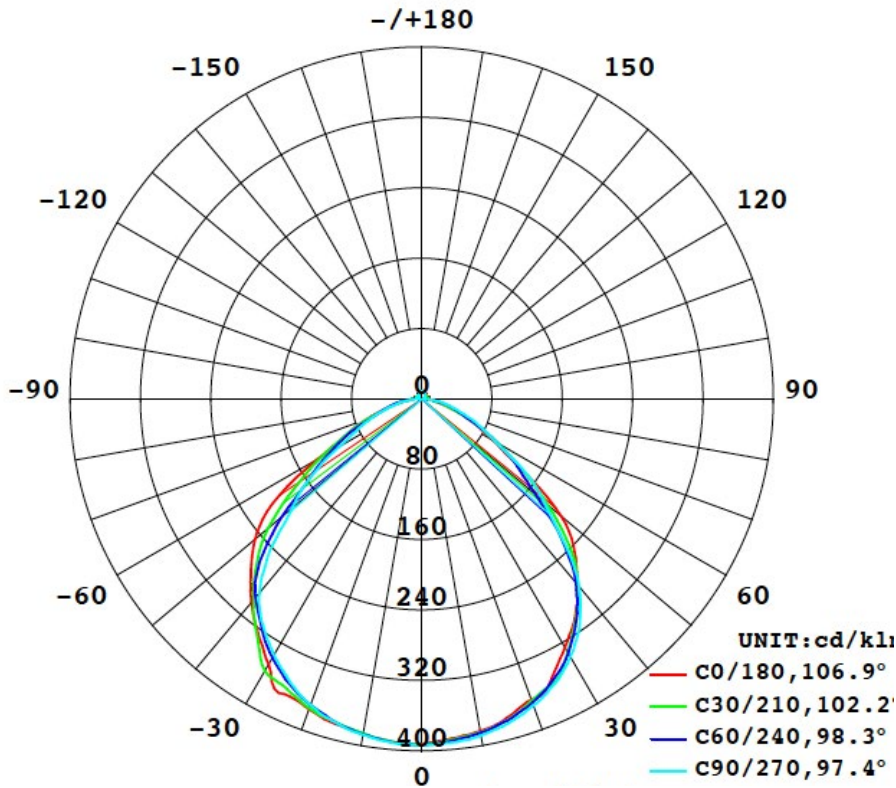
* The solar charge time data is base on 77 degree F ambient temperature with the panel pointed directly at the solar radiation. The standard radiation value is 1000W/m².

COSMO 20W 50W

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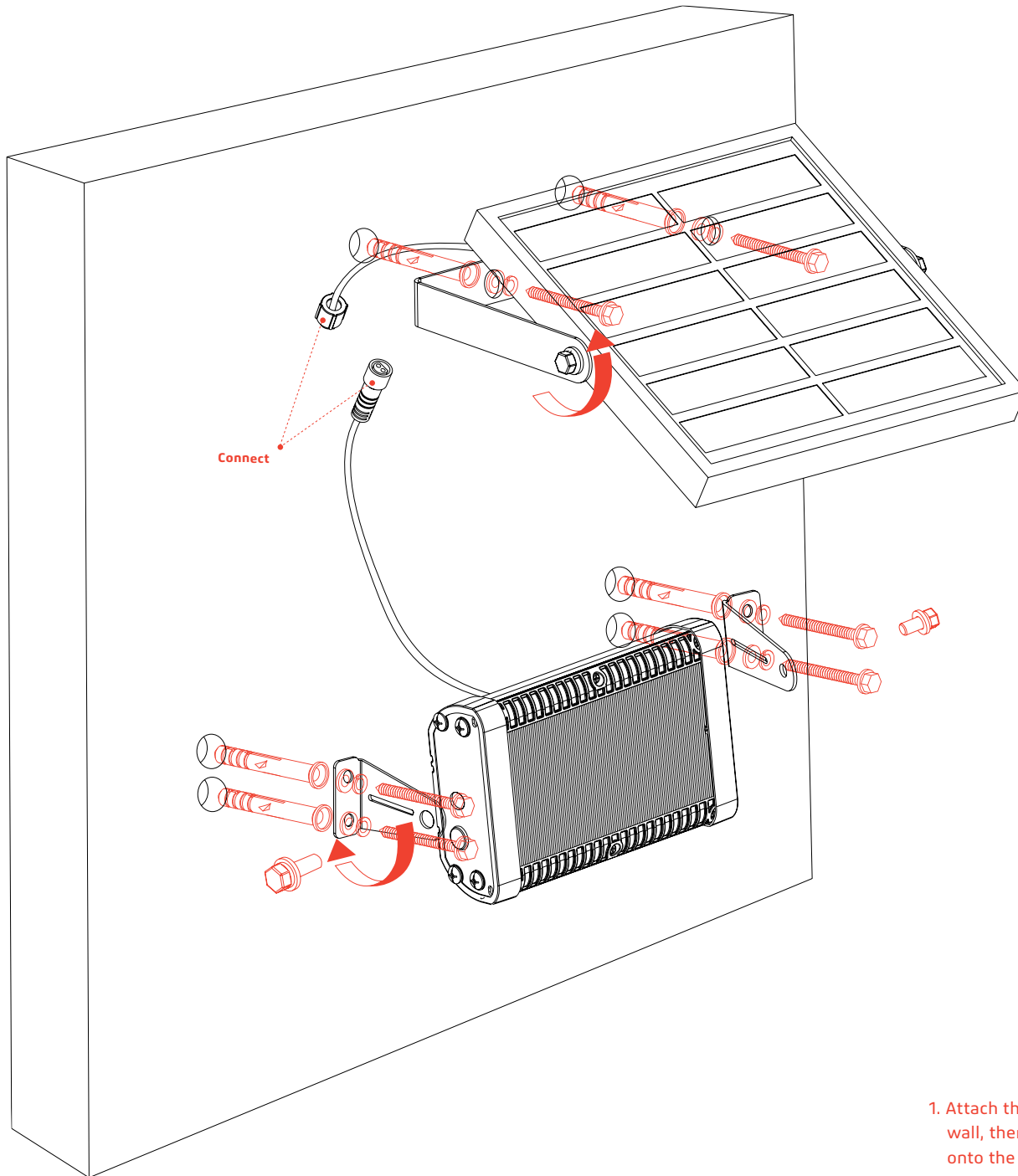
COSMO 20W



COSMO 50W

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INSTALLATION



1. Attach the bracket on the wall, then screw the solar panel onto the bracket.
2. Screw the bracket onto the fixture housing and mount it onto the wall.
3. Connect the light and solar panel cables.

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REMOTE CONTROL



OPERATING MODES



INDOOR

1. Reading Mode
Maximum Brightness



2. General Mode
Medium Brightness



3. Atmosphere Mode
Low Brightness



OUTDOOR

4. Rainy Mode
(30% output)



5. Cloudy Mode
(60% output)



6. Sunny Mode
(100% output)



7. 10% increase output



8. 10% decrease output



9. Set the Timer for
5 hours on



10. Set the Timer for
3 hours on

LIGHTING MODE INDICATOR

Red: Outdoor
Green: Indoor

BATTERY CAPACITY INDICATOR

Green: ≥80%
Orange: 60%–80%
Red: ≤40%

Note: The fixture is in low voltage protection status when the red light flashes.



COSMO 20W 50W

If you select any of the 3 "Indoor" lighting modes, the lights will not turn on/off automatically. You must turn the light on/off by using those buttons on the Remote Control. *The "indoor" modes can also function when the light is placed outdoors. It simply means that the light does not activate when it is dark, but that it activates when you turn it on (and deactivates when you turn it off). If you select any of the 3 outdoor lighting modes, the lights will turn on/ off automatically (It will turn on when it detects that it is sufficiently dark and turn off when it detects it is sufficiently light). The timer modes can be used in conjunction with indoor or outdoor modes. You can also step up or down the brightness using the brightness step up and step down button in either outdoor or indoor mode.

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WARRANTY

COSMO products are covered by a 3 year limited warranty. COSMO 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.



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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

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