



SOLAR FLOOD LIGHT BROCHURE



SOLAR LED FLOOD LIGHT

Introduction

UNLIKE REGULAR LED FLOOD LIGHTS, THIS SOLAR LED FLOOD LIGHT IS DESIGNED ELEGANTLY TO BE EFFICIENT IN UTILITY AND ECO-FRIENDLY PERSPECTIVES. THE MODEL HAS 4 DIFFERENT VARIANTS, NAMELY, V2 PRO (4.8WATT), V4 PRO (9.0WATT), V6 PRO (14 WATT). THUS, THEY ARE SUITABLE FOR EVERY OUTDOOR LIGHTING. PLACES LIKE STADIUMS, PARKS, SPORTS COMPLEXES, AND STREETS CAN TRUST THE SOLAR LED FLOOD LIGHTS FOR EVEN UNINTERRUPTED ILLUMINATION.

ADDING TO THAT, SOME HIGHLY EFFICIENT FEATURES OF THIS LIGHT ARE BEYOND PRAISE. A MOTION SENSING FEATURE THAT AUTOMATICALLY INCREASES OR DECREASES THE ILLUMINATION. ENABLED WITH A 2.4G REMOTE CONTROL FOR EASY OPERATION. THE LIGHT CONTAINS A POTENTIAL LIGHT INDICATOR THAT WILL ALERT YOU ABOUT THE BATTERY'S AVAILABLE POWER AND HEALTH. THE SOLAR PANEL ENABLES A LITHIUM BATTERY. ITS WATERPROOF CONNECTOR MAKES IT A RELIABLE OPTION IN OUTDOOR AREAS SUCH AS PARKS, STADIUMS, STREETS, ETCETERA.

Key Features



Environmental
Protection



Remote
Setting



2000 Cycles
LifePO4 Battery



Electricity
Bills free



High luminous
efficiency



30%+100%

Motion Sensor
Detection



ON - OFF

Dusk to Dawn
Auto ON/OFF



IP 65

IP65
Waterproof

Background

Our research in 2020 has shown all customers positively believe there is a huge demand for a high quality solar flood light in their local market. More than 90% of customers are unsatisfied with the quality of the existing solar flood lights on the market. The LED solar flood light is specially developed with its clear and high-quality positioning to satisfy all the expectations of premium customers. Different from models on market, LED solar flood light is making a lot of improvements:

1. Equipped with brand new lifepo4 battery instead of used ones from E-vehicles.
2. Equipped with 2.4G remote with 360° signal transmission, more sensitivity and longer distance
3. Equipped with microwave sensor , multi-lighting functions optional.
4. Equipped with the highest lighting efficiency LED chip up to 200lm/w max.
5. Equipped with a separated adapter cable for more easier connection.
6. Equipped with stainless steel ON/OFF button.
7. Improved installation method of solar panel, more user-friendly installation.



Positioning

Designing Concept

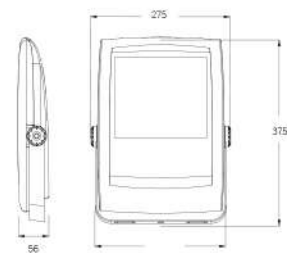
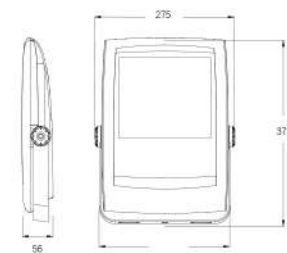
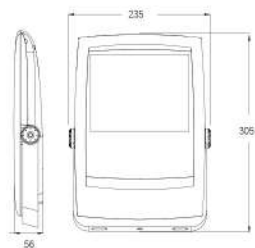
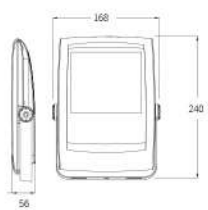
WEN solar floodlight is designed with an aesthetic appearance, simple slim curvy, and more modern.

Quality Positioning

Especially designed for high-end customers with stable quality, smooth and fine workmanship, perfect after-sales support.

Multi-Function

Users can customize the lighting program freely as needed, support lighting up at day time especially.



Specification

Model	V2-PRO	V4-PRO	V6-PRO	V8-PRO
Led power (max)	4.8W max	9.0W max	13.5W max	18.5W max
Luminous flux (max)	880lm max	1,280lm max	2,480lm max	3,280lm max
Fixture dimension	240*168*56mm	305*235*56mm	375*275*56mm	375*275*56mm
Solar panel	12W 10V	25W 10V	35W 10V	50W 10V
PV Size	290*350*17mm	530*350*17mm	670*350*17mm	670*400*17mm
Lithium battery	6.4V 6AH (38.4WH)	6.4V 12AH (76.8WH)	6.4V 18AH (115WH)	6.4V 24AH (154WH)
Fixture color	Black / Customized			
Color tempature	3000K / 4000K / 6000K			
Beam angle	120°			
Housing material	Aluminium die casting			
Remote control	2.4G radio			
Microwave sensor	150° Up to 8m max			
Charging & Discharging time	4.5 / 15 hours			
Working temp.	-15 C ~ +70 C			
IP rate	IP65			
Certificates	CE ROHS			



2.4G remote control

Long distance with 360 degrees signal transmission, one remote can control multi solar lights at same time in same area.



lifepo4 battery

Brand new, ultra long lifetime, big capacity of LifePO4 battery pack is built inside guarantees system to work stably



adapter cable

Individual 4.5 meters cable to connect solar panel and light fixture, It makes the installation more easier and flexible



motion sensor

Built in motion sensor program. off+100% power for 1 minute, or 30%+100% power when sensor is triggered.



woven glass

Lighting performance is becoming more uniformed with 4.0mm woven glass, and makes lights look more elegant.



indicator light

Different color of indicator lights shows the rest battery capacity , Convenient for maintenance.



switch button

Stainless steel button with rubber cap covered is adopted for easy operation.



waterproof connector

A special designed connector guarantees a high level of waterproof performance. IP67 standard.



bracket cap

Bracket is stronger with cap ,easy to adjust the angle and more aesthetic.



VS



Performance

WEN Solar Flood Light

Other Models

LIGHTING

Lumens efficiency	● Up 180lm/W	● 100~130lm/W
LED chip quality	● Big size chip, long lifetime	● Regular led chips, good lifetime
UGR	● <18	● >22
CRI	● >82	● 78

REMOTE CONTROL

Transmission distance	● Up to 25 meters	● Less than 8 meters
Transmission direction	● 360 degrees, non-directional	● <5 degree, need to aim at the lamps
Signal sensitivity	● High sensitivity	● Low sensitivity
Power settable	● Yes	● Yes
Time settable	● Yes	● Yes
Motion function	● Yes	● No
Control multiple lamps	● Yes	● No
Cost of remote	● High cost	● Cheap cost

LIFEPO4 BATTERY

Lifetime (Cycles)	● >2000 cycles	● 500~1000 cycles variously
Depth of Discharge	● Up to 100%	● 50%~90% variously
Consistency of internal resistance	● Good	● Bad
100% Quality Inspection	● Yes	● No
Battery warranty	● 3 years	● 0~18 months variously
Defective rate	● <0.2%	● 3%~8% variously
Battery cost	● High	● Low

OTHERS

Housing painting quality	● Superb	● Good
Housing material	● Thick / heavy	● Thin / light
Screws used	● Stainless steel 304#	● Stainless steel 202# or iron
Raw aluminium	● Brand new ADC12	● Recycled aluminium or ADC12 variously
Price very competitive	● No	● Yes



Application

- * Temporary Tent Lighting
- * Pathway Lighting
- * Warehouse Lighting
- * Refugee Tent Lighting
- * Construction Site Lighting
- * Bus Station Lighting
- * Emergency Lighting
- * Garden Lighting
- * Hotel Lighting
- * Horse Stable Lighting



Choice Guide

Model	Luminous flux	Lighting area
V2-PRO	880lm	12 ~ 20 m ²
V4-PRO	1680lm	20 ~ 35 m ²
V6-PRO	2480lm	35 ~ 45 m ²
V8-PRO	3280lm	45 ~ 60 m ²



IP65