

Sunpower™ Series

LED Solar Floodlite™

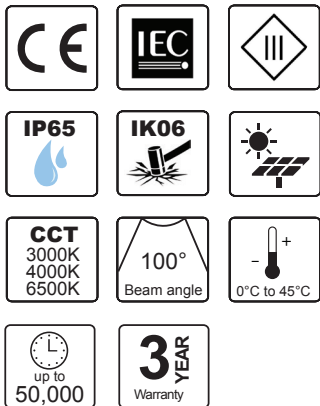
americanlite.®

We light your world™



Sunpower Pro™

60w/100w/200w/300w
400w/500w/600w



The Americanlite® Sunpower Pro™ Series is a high-efficiency solar LED floodlight designed to provide reliable outdoor illumination for security, area lighting, and general-purpose applications where utility power is unavailable or impractical. As a self-contained solar lighting solution, Sunpower Pro™ operates without trenching, wiring, or ongoing electricity costs.

Each luminaire integrates a high-output LED light engine with a monocrystalline photovoltaic panel and a long-life LiFePO₄ (lithium iron phosphate) battery, delivering stable performance, improved safety, and extended cycle life. The system is designed to fully recharge in approximately 8 hours of direct sunlight and provide up to 12 hours of nighttime operation under typical conditions, with limited autonomy during cloudy days depending on the selected operating mode.

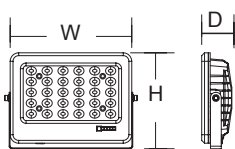
Sunpower Pro™ incorporates smart power management technology, utilizing an embedded control chip to monitor battery capacity and regulate discharge rates. This intelligent control helps maintain consistent runtime and light output while supporting extended battery life. An onboard battery level indicator provides clear visual feedback of remaining charge.

Multiple operating modes are available via the included remote control, including automatic dusk-to-dawn operation, full or partial output settings, and timed modes, allowing users to optimize brightness and runtime based on application needs.

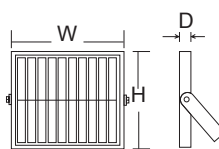
The luminaire features a weather-resistant ABS housing and a sealed optical assembly with a 100° beam angle for wide, uniform light distribution. Rated IP65 for dust and water protection and IK06 for impact resistance, the fixture is suitable for a wide range of outdoor installations.

Available in multiple wattage and lumen configurations, the Sunpower Pro™ Series supports applications ranging from small security areas to larger outdoor spaces such as parking areas, pathways, and building perimeters, offering a dependable and cost-effective solar lighting solution for residential, commercial, and institutional projects.

Dimensions (mm)



Floodlight	W	H	D
60w	165	125	48
100w	165	125	48
200w	215	160	53
300w	215	160	53
400w	245	195	60
500w	300	225	60
600w	345	245	60



Panel	W	H	D
5w	205	180	16
6w	200	210	16
8w	205	265	16
10w	205	300	16
12w	360	205	16
15w	390	235	16
20w	390	300	16

Specifications

	60w	100w	200w	300w	400w	500w	600w
System Power	60w	100w	200w	300w	400w	500w	600w
Solar Panel	5w	6w	8w	10w	12w	15w	20w
Battery	4AH	4AH	5AH	8AH	12AH	12AH	16AH
Charging time	8 Hrs	8 Hrs	8 Hrs	8 Hrs	8 Hrs	8 Hrs	8 Hrs
Cloudy days (up to)	1	1	1	1	1	1	1
Working hrs (up to)	12	12	12	12	12	12	12

Components Lifetime

Solar Panel / Flood	2 years
Battery	2000 cycles / up to 3 Years
LED Chip	50,000 hours

Ordering information

Item	System Power	LED Power	Lumens	CCT
AL772000	60w	3.5w	600	Blank 6500K
AL772001	100w	6w	1000	4 4000K
AL772002	200w	11.8w	2000	3 3000K
AL772003	300w	17.6w	3000	
AL772004	400w	23.7w	4000	
AL772005	500w	29.4w	5000	
AL772006	600w	35.2w	6000	

Notes

- Lumen tolerance up to 10%
- Complies with CE/IEC 60598 requirements
- Salt Spray Test: 500 hrs
- Class III Luminaries
- ABS Housing Thickness: 1.5-2.5mm
- LED Chip Brand: Flighting Brightled
- Recommended Mounting: height: 3-4m

- Cable spec: Red and black two-core PVC cable, φ4mm Length: 5m
- Battery: Lithium iron phosphate
- Remote control included (Batteries not included)
- Warranty: Solar panel & Fixture = 2 Years Battery = 3 Years

- # LED Chip: 3.5w = 40 pcs 6w = 40 pcs 11.8w = 120 pcs 17.6w = 120 pcs 23.7w = 160 pcs 29.4w = 240 pcs 35.2w = 280 pcs

- Please read instructions before using / installing
- All conditions are based on full battery charge, no obstruction and fully charged battery. Any variables could result in different results
- Ensure battery is fully charged every six months to prevent degradation
- Not recommend for severe conditions / harsh environment
- Not recommended to install the product on the pole
- Working Hours is different for each function

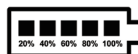
Packing information

Model	PCS Floodlight/Panel per Master	Master Carton (cm)	CBM	GW (KGS)
60w	10	55 x 50 x 23.8	0.0654	13
100w	10	55 x 49 x 26.8	0.0722	13.5
200w	5	57.5 x 26.5 x 32.3	0.0492	8.8
300w	5	57.5 x 26.5 x 32.3	0.0492	9.3
400w	5	60 x 30 x 41.8cm	0.0752	11
500w	5	60 x 44 x 29.3	0.0773	14.3
600w	5	60 x 44 x 35.8	0.0945	16.3

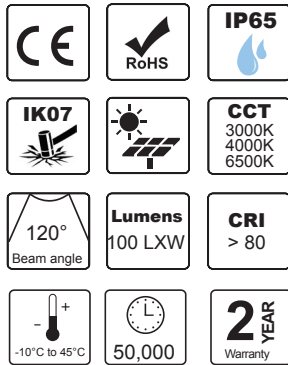
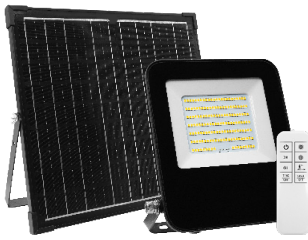
Remote Control Functions

- ON:** Wakeup. Press ON to wake up the luminaire and keep the last used working mode.
 - OFF:** Sleep. Press OFF to turn off the luminaire. (Note: After the luminaire is turned off by pressing OFF, the solar panel can still charge when exposed to sunlight. However, the light will not turn on automatically at night. The luminaire can only be reactivated to light up by pressing the ON button.)
 - FULL:** The luminaire detects sunset and turns on automatically at dusk, starting at 100% light output and remaining until the battery is low, at which point it turns off. With a fully charged battery, this operating mode provides approximately 12 hours of runtime.
 - PARTIAL:** The luminaire detects sunset and turns on automatically at dusk, starting at 50% light output and remaining until the battery is low, at which point it turns off. With a fully charged battery, this operating mode provides approximately 24 hours of runtime.
 - 3H:** The luminaire detects sunset and turns on automatically at dusk. It will turn off automatically after 3 hours of operation or when the battery level becomes low, whichever occurs first.
 - 5H:** The luminaire detects sunset and turns on automatically at dusk. It will turn off automatically after 5 hours per presetting dimming profile or when the battery level becomes low, whichever occurs first.
 - 8H:** The luminaire detects sunset and turns on automatically at dusk. It will turn off automatically after 8 hours of operation or when the battery level becomes low, whichever occurs first.
 - AUTO:** The luminaire detects sunset and turns on automatically at dusk, starting at 100% light output and remaining until the battery is low, at which point it turns off. With a fully charged battery, this operating mode provides approximately 12 hours of runtime.
- NOTE:** The default set mode is "AUTO".

Battery Level indicator on floodlight



- Battery level indicator on luminaire: Charging: Green Flash. Fully charged: All Green ON. Discharge: Green at percentage remaining



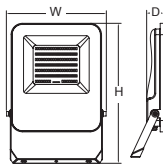
The sun comes up every day; that's the definition of renewable energy. Dark streets can be a hazard to pedestrians and vehicle travelers alike. Protecting property, people and assets is one of the key jobs of exterior lighting. Security through lighting has been instrumental to deter crime and improve security to the public, business and residential spaces. Solar LED lighting not only offers better visibility, but also security from brownouts and blackouts. The lights are always there when you need them and can adapt to almost any application without additional trenching or added utility costs.

Sunpower™ Series floodlight was designed to illuminate a wide range of applications for limited budget projects. Sensor mode would allow the fixture to work for about 8-10hours @ 100% lumen output while sensor detection then turn to stand by mode @ 20% lumen output. The remote control (included) allows a full range of functions, from on/off, timer for 3 or 6 hours, manual and auto functions. Recharges in 6-8 hours and could operate up to 2 days (depending on the mode used) without full charge ("Cloudy days").

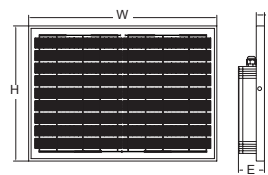
LED solar lights require very little maintenance and are easier to install than their wired counterparts. Underground wiring, on-site transformers and electrical enclosures are typically costlier than installing new solar lights. LED technology means that the lamps require fewer replacements, can be controlled and provide significant energy savings over traditional lamps.

Solar means there is no electric bill...ever.

Dimensions (mm)



Floodlight	H	W	D
20w	160	120	30
30w	225	160	30
50w	250	180	30



Panel	H	W	D	E
8w	209	304	55	17
10w	344	214	55	17
15w	284	394	55	17

Specifications

Fixture	20w	30w	50w
Solar Panel	8w	10w	15w
Mono-crystalline	9V	9V	9V
LiFePO ₄ Battery	4AH	6AH	12AH
	6.4V	6.4V	6.4V
Charging time	6-8 Hr	6-8 Hrs	6-8 Hrs
Cloudy days	1-2	1-2	1-2
Working hours /up to	12 Hrs	12 Hrs	12 Hrs



- ☺ Turn ON/OFF
- ☼ Set 6 different levels of brightness from 50%-60%-70%-80%-90%-100% with stand by @20%.
- ☼ Set 6 different levels of brightness from 100%-90%-80%-70%-60%-50%.
- 3H 6H Turns on after dark, turns off automatically after 3 or 6 hours.
- 👤 Sensor Mode
- ⏸ TIME OFF Set to cancel the timer.
- 👤 SENSOR OFF Set to cancel the microwave sensor, and always keep 20% brightness.

Ordering information

Item	Power	Solar Panel	Lumens	Options
AL575055	20w	8w	2000	Blank 6500K
AL575056	30w	10w	3000	4 4000K
AL575057	50w	15w	5000	3 3000K

Notes

- Turns on when sunlight is 0.3-1 lux
- Sensor Angle: 120°
- Sensor Distance 4-8m
- Recommended installation height 3-5m
- Sensor Mode: 8-10H
100% Lumens sensor on
20% Lumens stand by
- Lumens:
4K / 65K = 100 lxw
3K = 90 lxw
- LEDs:
SMD 2835
20w = 33 pcs
30w = 108 pcs
50w = 162 pcs
- Body:
Die-cast Aluminum
20w/30w = 1.2mm thickness
50w = 1.4mm thickness
- Lens = Tempered Glass
Floodlight = 4mm
Panel = 3mm
- Battery:
20w = 2 pcs 3.2V 4AH
30w = 2 pcs 3.2V 6AH
50w = 4 pcs 3.2V 6AH
- Battery is replaceable
- Battery Cycle = 2000 cycles
- Charging Time: 6-8H
- Stand by mode: after 8s no detection
- Cable: 3*1.0mm² rubber
1.5 meters from panel +
0.5 meters from the floodlight
Other Cable lengths available
- Panel Lifetime = up to 10 years
- LED Chips = 50,000 hours

Packing information

Model	CBM (Master)	Pcs per Master	Master carton (cm)
20w	0.0511	10	45 x 31.5 x 32.7
30w	0.0463	8	49 x 24 x 37
50w	0.0470	5	42 x 33 x 310



Warranty

Americanlite® is pleased to provide a 2 or 3 year limited warranty covering the LED fixtures on this catalogue. Americanlite® warrants that the LED fixtures comply with Americanlite®'s published specifications and are free from defects in materials and workmanship.

All our equipment is CE, ETL or UL approved and manufactured with approved components. Americanlite® reserves the right to change or improve the design or components of any of its products due to parts availability or changes in standards, without assuming any obligation to modify any product previously manufactured and without notice. All equipment is tested and inspected before shipment.

This warranty is void if the product is operated outside of its normal operating conditions. The foregoing warranty does not apply to failures caused by acts of God or as a result of any abuse, misuse, abnormal use, or use in violation of any applicable standard, code or instructions for use in installations, including, but not limited to, those contained in the Standards for the International Electrotechnical Commission. Americanlite® reserves and has the right to examine failed fixtures to determine the cause of failure, excessive lumen depreciation and patterns of usage.