

## TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Light does not go on.	Not enough charge.	Make sure unit is installed where it can get maximum sun exposure for 7 hours a day.
	Unit is turned off.	Press the Power button to turn on the unit.
	Unit is located near a strong light source.	Make sure unit is installed away from any strong light sources, such as an existing outdoor light.
	Unit is placed under trees.	Move the solar light to another open location.
	Solar panel is dirty, or covered up.	Wipe the solar panel clean and make sure it is always free of debris.

## TECHNICAL INFORMATION

**Size:** 12 x 4.29 x 2.55 inches (30.48 x 10.89 x 6.47cm)

**Net Weight:** 1.43 lbs (645g)

**Battery:** 2 x 1200mAh 18650 Lithium battery

**Battery Charge Time:** 7-8 hours

**Sensor Detection Distance:** 19.68-29.52 feet (6-9 meters)

**Sensor Time:** 30s

**Solar Panel:** 5V 320mA

**Lumens:** 1000 Lumens

**LED Counts:** 363 pcs white LEDs,  
6 pcs red LEDs

**IPX Rating:** IP65



This product uses a Lithium battery. When it can no longer be used, it should be removed from the unit and recycled. The battery must not be incinerated or composted. The battery can be taken for disposal to any local retailer participating in the national recycling program sponsored by the RBRC (SEE RBRC seal). Call your local details, or the RBRC hotline at 1-800-820-8837 for the closest recycling center to you.



emsoninc.com  
1.800.423.4248

BELL+HOWELL® FLOODLIGHT XL PRO ITEM NO. 6280ENG  
DISTRIBUTED BY EMSON® NEW YORK, NY 10001, USA ©2025 EMSON®  
ALL RIGHTS RESERVED. MADE IN CHINA.



Outdoor  
Use



Solar  
Panel



Lithium  
Battery



Motion  
Activated



Weather  
Resistant

Easily Mounts  
To Walls

Brightens Up  
Dark Areas

BELL+HOWELL®  
**BIONIC™**

**FLOODLIGHT XL PRO**  
NO BATTERIES / NO WIRES

**1000  
LUMENS**

**SOLAR  
POWERED**



**Energy  
SAVER™**

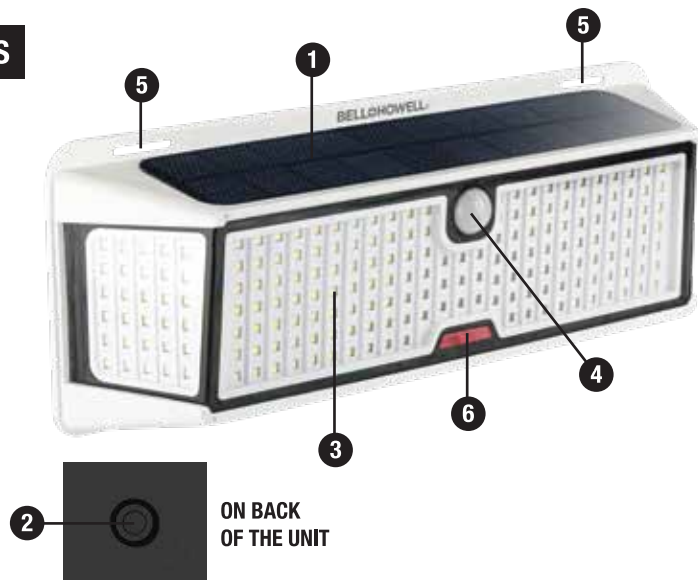
**INSTRUCTIONS**

## PARTS & FEATURES

1. Solar panel
2. ON/OFF Button
3. LED lights
4. PIR Motion sensor
5. Mounting holes
6. Scanning Red LED

Package includes:

- Floodlight XL Pro
- 2 screws
- 2 plastic anchors



## INSTALLATION

**PLEASE READ THIS MANUAL CAREFULLY BEFORE USE AND KEEP IT FOR FUTURE USE.**

- When picking a place to install the Floodlight XL Pro, **CHOOSE A LOCATION WITH MAXIMUM SUN EXPOSURE DURING THE DAY.**
- Avoid areas under trees or bushes as this will prevent a proper charge of the Floodlight XL Pro.
- Do not install the Floodlight XL Pro near an existing outdoor light. The built-in sensor will prevent it from turning the solar lights on.
- When using the Floodlight XL Pro in the fall and winter, please note that due to fewer daylight hours, the batteries might not charge fully. This may affect the amount of time the Floodlight XL Pro will be on.

**BEFORE INSTALLING THE FLOODLIGHT XL PRO, turn it on by pressing the ON/OFF button. This must be done prior to installation.**



- Choose a location with maximum sun exposure.
- Drill holes matching the pattern on the Floodlight XL Pro and install plastic anchors (included).
- Attach the Floodlight XL Pro using 2 screws (included).



## IMPORTANT

- This product includes a lithium-ion battery that cannot be replaced. Once the battery reaches the end of its life, the entire product must be discarded and replaced.
- **WARNING:** Do not dispose of lithium-ion batteries in the trash or by fire as batteries may leak or explode. Do not open, short circuit, or damage lithium-ion batteries as injury may occur. Recycle lithium-ion batteries in accordance with local, state, and federal regulations.

## USAGE

**Make sure to leave the unit under direct sunlight for solar charging at least 7 hours. UNIT NEEDS TO BE FULLY CHARGED BEFORE INITIAL USE. If there isn't ample sunlight, it may take longer for the batteries to charge.**

1. Make sure the ON/OFF button has been pressed prior to installation. If installing during daytime, the light will not turn on until it gets dark.
2. The Floodlight XL Pro has a built in Scanning Red LED. The red light on the front of the unit will turn on automatically when it becomes dark indicating entering the Motion sensor mode.
3. When the Floodlight XL Pro detects motion, the Scanning Red LED light will turn off and the white LED lights will turn on and stay on for 30 seconds. The lights will go off if no motion has been detected.
4. Scanning Red LED light will turn back on. When the movement is detected, the white LED light will turn back on.
5. The Floodlight XL Pro will turn off during the day or if unit runs out of battery.
6. To turn the light off, press the ON/OFF button.



**ON/OFF BUTTON IS LOCATED ON THE BACK OF THE UNIT**

## CLEANING AND STORAGE

Make sure to regularly wipe down the solar panel with a damp cloth for best charging results. Clean solar panel will be able to absorb more sun energy. When storing Floodlight XL Pro, make sure the unit is turned off.