



SFL-10W-7200-50K

## Solar Flood Light Operation Duration

We are often asked how long our solar flood light will operate at night.

There's no easy answer to this question.

It's important to note that no solar product is 100% reliable, 365 days/year.

Availability of sun and temperature affect this equation, particularly in a northern climate.

That said, the generously sized solar panel and lithium battery in this unit will work in most situations.

- **Battery Charging:** The amount of available battery charge is directly proportional to the amount of sunlight it receives. If we are close to winter solstice and days are short and cloudy, this will affect the batteries state of charge. It has a generously sized Lithium Ion battery but it does need to charge. It's also important to note that it must be installed with the best orientation to the sunlight for optimal results.
- **Battery Discharging:** The unit is equipped with dual motion sensors. The rate of battery discharge is directly proportional to the number of motion "events" that occur overnight. The battery will obviously discharge quicker if there are a high number of motion events that trigger the unit to full brightness.
- **Mode of Operation:** The fixture has 3 choices of operating modes. The most power efficient is Full Bright + Off. In this mode, it should easily last through the night under almost any conditions.



ON / OFF



20% Brightness



Full Bright + Dim



Full Bright + Off

**Product Name:** Solar LED Flood Light with 2 Sensors

**Power/Lumen:** 10W / 1080 lm

**LEDs:** SMD2838\*60PCS

**Li-ion Battery:** 18650/3.7V/7200mAh, replaceable

**Solar Panel:** 6Wp, Poly Crystalline Silicon

**Beam Angle:** 90°

**Color CCT:** 5000K

**Detection Angle/Area:** 180° / 5-8 meters

**Dimension:** 300 x 215 x 35mm

**Lifespan:** 35,000 hrs

NOT RECOMMENDED FOR SUSTAINED AMBIENT TEMPERATURES BELOW -20°C.