



## Solar Lights

Adding light to your space can help you safely host volunteers and activities at dusk and reduce afterhours vandalism or inappropriate use (by making onsite activities more visible to neighbors and caretakers). There are a few things to consider when choosing a light for your greenspace:




- Brightness – do you want a steady, low glow overnight, or bright lights that only illuminate with nearby motion? Consider if you have nearby neighbors who might be bothered by an overnight light or by a bright light shining in their window.
- What area do you want to cover with lights? Think about how strong the lumen output is for each light and what range the motion detectors cover.
- Is your site shady or sunny? Solar lights should be put in places that get direct sunlight in order to fully charge during the day. If you want to place a light in a shaded area, consider lights that come with separate solar panels that can be placed up to 15 feet away from the light.




Make/model		Brightness	Settings	Range*	Installation	Cost**
Sunforce  Model 82080		80 LED; 900 lumen output	1. Light on all night^ 2. Motion-sensor	130° detection range  Detects motion up to 30 feet away	Screws	\$29 each (online retailers)  \$33.33 each (Home Depot)
Litom  Model LTCD020AB		54 LED; 526 lumen output	1. Medium light mode all night^ 2. Dim light sensor light + sensor light 3. Motion-sensor	120° detection range  Detects motion up to 26 feet away	Screws	\$36-\$60 each (online retailers)

\* range based on manufacturer’s product details or user reviews

\*\*costs are approximate, based on Winter 2016 prices

^ The amount of stored light will depend on the sunlight strength during the day. Some manufacturers or users indicated that the battery storage capacity was 4-6 hours for bright light all night, depending on the model.

Make/model		Brightness	Settings	Range*	Installation	Cost**
<b>Litom</b>  Model LTCD011AB		24 LED; 500 lumen output	1. Medium light all night + sensor light^ 2. Dim light + sensor light 3. Motion-sensor (bright light)	120° detection range  Detects motion up to 26 feet away	Screws	\$25 each (online retailers)
<b>MPOW</b>  Model MSL7		20 LED; 440 lumen output	1. Motion-sensor (bright light) 2. Bright all night^ 3. Dim all night + motion- sensor (bright)	<i>Detection            range            unknown</i>  Detects motion up to 26 feet away	Screws	\$20 each or \$26 for two (online retailers)
<b>All-Pro</b>  Model MST1301LW		320 lumens; unknown LED	Motion-sensor only	130° detection range  Detects motion up to 25 feet away	Mounting clip/screws  Solar panel has 16 ft. cord for flexible mounting options.	\$50 each (Home Depot)

Make/model		Brightness	Settings	Range*	Installation	Cost**
<p><b>All-Pro</b></p> <p>Model MSS1301LW</p>		<p>240 lumens; unknown LED</p>	<p>Motion-sensor only</p>	<p>130° detection range</p> <p>Detects motion up to 25 feet away</p>	<p>Mounting clip/screws</p> <p>Solar panel has 16 ft. cord for flexible mounting options.</p>	<p>\$50 each (ACE Hardware; order online, pick up at your local store)</p> <p>\$54 each (Home Depot)</p>
<p><b>Lemontec</b></p> <p>Model unknown</p>		<p>16 LED; unknown lumen output</p>	<p>Motion-sensor only</p>	<p>120° detection range</p> <p>Detects motion up to 15 feet away</p>	<p>Peel and stick, or attach with screws</p>	<p>\$30 for 4 (online retailers)</p>
<p><b>Lemontec</b></p> <p>Model 82080</p>		<p>8 LED; unknown lumen output</p>	<ol style="list-style-type: none"> <li>1. Motion-sensor (bright light)</li> <li>2. Bright all night^</li> <li>3. Dim all night + motion-sensor (bright)</li> </ol>	<p>120° detection range</p> <p>Detects motion up to 26 feet away</p>	<p>Screws</p>	<p>\$15 for one, \$27 for two (in a similar model: MPOW MSL6- PS) (online retailers)</p>

## Grants

Here are a few local grants that might fund lights for your greenspace.

### Healthy Neighborhoods Grants

Residents on blocks within Healthy Neighbors boundaries and designated as “target blocks” are eligible for grant funding to buy lights, provided there is support from surrounding residents. In general, the program prefers to fund non motion-detecting lights.

For more information: [www.healthyneighborhoods.org](http://www.healthyneighborhoods.org), 410-332-0387

### BGE Emergency Response and Safety Grants

Grants of up to \$10,000 are available for 501c3 organizations to respond to community needs during emergencies. The application period is typically open during September and October.

For more information: [www.bge.com/SafetyCommunity/Community/Pages/EmergencyRespondersGrants.aspx](http://www.bge.com/SafetyCommunity/Community/Pages/EmergencyRespondersGrants.aspx)

### Mitzvah Fund for Good Deeds

Grants of \$250-\$10,000 are available to 501c3 organizations to facilitate good works in neighborhoods. Applications are accepted on a rolling basis.

For more information: [www.bcf.org/For-Grant-Scholarship-Seekers/Grants/Mitzvah-Fund-for-Good-Deeds](http://www.bcf.org/For-Grant-Scholarship-Seekers/Grants/Mitzvah-Fund-for-Good-Deeds)