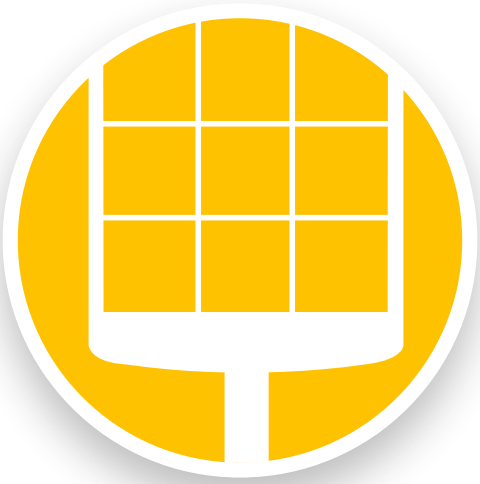
Light Efficient Design

RemPhos



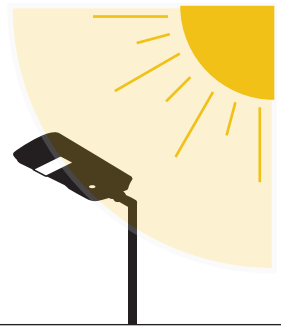
Solar Lights

Best Practices & Guidelines

Best Practices & Guidelines

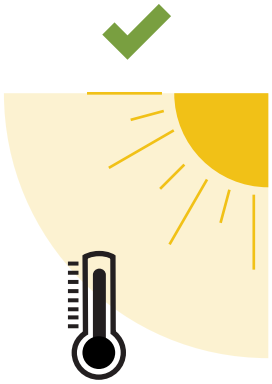
Light Efficient Design will be offering both "off-grid" and "hybrid" solar lighting. **Today we only offer "off-grid"**. There are inherent limitations to using "off-grid" solar. Please understand these limitations before recommending or installing an "off-grid" solar system. In low-light or cold areas of the world, there will be some days of the year when "off-grid" solar lighting is not illuminated for part or all of the night. Please explain this to your customer before installation. **For critical environments, such as hospital parking lots or other areas where proper lighting is required to be on 365 nights per year, "off-grid" solar may not be appropriate**. Please look for our hybrid products coming soon as well as our standard line voltage offerings.

Installation Location

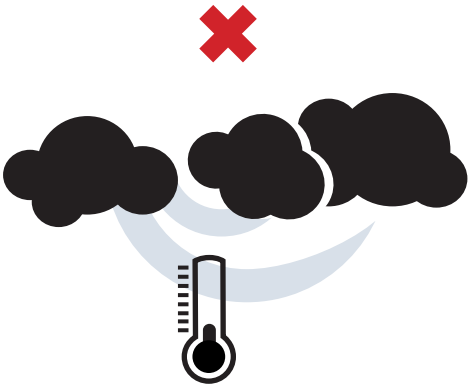


Most hours of direct sunlight, unblocked by trees or buildings

Limited or no direct sunlight, shaded by trees or blocked by buildings



Warmer location with predominant sunshine
= maximum performance



Cold location with consecutive cloud covered days
= possible inconsistent performance

* choose motion sensing mode (see mode selection)

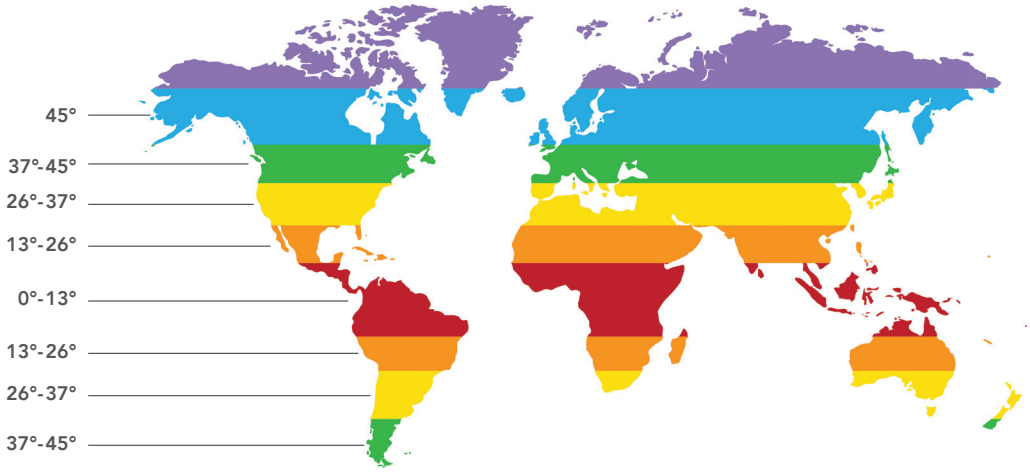
FACT Batteries do not charge well in freezing temperatures because the electrons cannot move as fast. The battery will self-protect and stop charging in temperatures below 32°F, **however the light engine will work in temperatures down to -4°F** (if previously charged).

Solar Lights

Panel Angle

Angle your panel to the approximate degree based on your location in the world.

DO NOT leave your panel flat...unless you are near the equator.



In the northern hemisphere, solar panels charge most optimally when installed facing South. Since the space will dictate the installation of the fixture and where light is needed, the panel isn't always able to achieve a southern direction and this is okay! West & East facing panels wont get as much light as a southern facing panel, but will still collect good sunlight. A north facing panel will work, but it will take longer to charge than any other direction meaning solar charging may be less than optimal in installations facing this way.