

Smart Solar LED Light

Information

Your NightRider™ Smart Solar LED Light is a complete fusion of four amazing technologies:

1. High Efficiency LEDs
2. High Output Solar Panels
3. High Capacity Lithium Batteries
4. Light Sensing Photocell and Motion Sensor

Highlights

- ◆ Solar panels charge lithium batteries during the day when light is not needed.
- ◆ Completely wireless - allows for installation in places that would normally be difficult to power.
- ◆ Lithium batteries with high power capacity used to hold charge from the solar panels.
- ◆ Incredibly bright and energy efficient LED chips reduce the drain from batteries, while producing great illumination throughout the night.
- ◆ Photocell sensor will automatically turn light on (at 30% brightness) at dusk and then switch it off at dawn. Light output will increase to 100% when motion sensor detects activity.
- ◆ IP65 ingress protection rating allows outdoor use in all weather conditions.

Installation & Use

Prepare location for installation.

1. Ensure good light exposure to sun for solar panel to charge.
2. Mount away from areas that would shadow the solar panels
3. Inadequate sun light exposure will not allow proper charging to allow light to run.
4. 1-1/2" to 2" Pipe required to mount light. Mounting arm (We recommend using mounting arm part# NRC-MA1)
5. Recommended installation height is anywhere from 3m to 6m high.
6. Make sure to turn light on (green button) before mounting.

Use

1. Keep solar panels clean. Clean off excessive dust, leaves, snow or other grit with soft cloth to maximize sunlight absorption.
2. Optimum charging conditions occur during direct sunlight at temperatures between 0 and 60°C. Temperatures below and above this range start to greatly reduce the efficiency of the solar panel to charge the lithium batteries.

Storage

1. Store smart solar light fully charged at temperatures between 0-60°C for up to a maximum of six months. *Make sure to turn light off.*
2. Store smart solar light in a dry/clean location to prevent damage over time.

Light Specifications

Light Power		120W
Solar Panel Power		18W
Photocell Sensor		On in dark, Off in light
Motion Sensor		100% power when activated
		30% power when dormant
Color Temperature		6500K - Cool Daylight
Temperature	Charging	0 - 60°C
	Using	-20°C - 60°C
IP Rating		IP65 - Weather Proof
Battery		3.2V / 15,000mAh
Dimensions		510(L)x240(W)x70(H)mm
Installation Height		3-6m
Installation distance		8-10m