



**SOLARPOST 100 | SOLAR BOLLARDS**

**DESCRIPTION**

Solarpost 100 bollards with their low glare, downward focused light, provide low level pathway lighting and delineation that not only increases safety and security, but enhances the nighttime ambiance in plazas, playgrounds, parks, pathways, sidewalks and other public spaces. A proximity sensor automatically triggers LED lights to brighten on approach, conserving energy until needed.

With the large capacity solar cells skillfully incorporated in the sleek aluminum posts, the power generating capacity of Solarpost 100 vastly exceeds that of the small pole top PV panels typical of other solar bollards or the use of large intrusive, solar panels and battery boxes. Consequently, Solarpost 100 bollards are capable of providing light for up to 14 days without daylight.

**DIMENSIONS**

H: 5.5' x 42.5'  
W: 8" x 8"

H: 5.5' x 38.5'  
W: 8" x 8"



**OPTIONS & FEATURES**

Solarpost 100 bollards are available in 38.5" and 42.5" height options. While the post is only available in Silver, caps can be powder coated in Graphite Grey or Silver to match.

- Proximity sensor and reflector design ensure light is directed only when and where needed
- Can provide night lighting from dusk until dawn for up to 14 days without daylight
- Large capacity (158 sq.in.) solar cells generate up to 17.2 W total output
- Vandal resistant solar cells - sealed behind UV stabilized tempered glass
- Dust proof, watertight enclosures - IP66 rated
- Batteries can last up to 10 years and can be disabled when not in use
- Intelligent power management system maximizes the power generated from each panel
- Battery management system reduces LED brightness until sufficient light to charge
- Light brightens for 10 seconds on approach, then dims back to lower level

**SPECIFICATIONS**

**SOLAR PANELS**

<b>POWER</b>	17.2W (4 x 4.3W panels)
<b>CONSTRUCTION</b>	PV cells sealed behind UV stabilized tempered glass
<b>TOTAL AREA</b>	158 sq. in.

**BATTERY**

<b>TYPE</b>	Ni-MH
<b>CAPACITY</b>	6V 10Ah
<b>LIFETIME</b>	Up to 10 years
<b>OPERATING TEMP.</b>	-40°F to +185°F

**PROXIMITY SENSOR**

<b>TYPE</b>	Passive Infrared
<b>DETECTION RANGE</b>	Up to 16'
<b>DETECTION ANGLE</b>	120°

**LED LIGHTING**

<b>COLOR TEMP.</b>	3700K to 5000K
<b>MAX. CURRENT</b>	520mA
<b>MAX. LED POWER</b>	1.43W-180 lpw

**MATERIALS**

<b>CAP &amp; LID</b>	Die-cast aluminum
<b>POST &amp; CHASSIS</b>	Extruded aluminum
<b>FINISH</b>	Powder coated
<b>IP RATING</b>	66
<b>WARRANTY</b>	4 Years
<b>COLOR OPTIONS</b>	Silver or silver with graphite grey cap

**INSTALLATION**

- No trenching or remediation work needed, only individual footings need to be installed
- No external power supply needed. Install in parks, recreation areas and remote pathways
- Can be installed in a fraction of the time compared with mains powered lighting

**GROUND FIXING OPTIONS**

- Surface
- Sub-surface (adjustable)
- Buried

