



## SBL | SOLAR BOLLARD LIGHTS

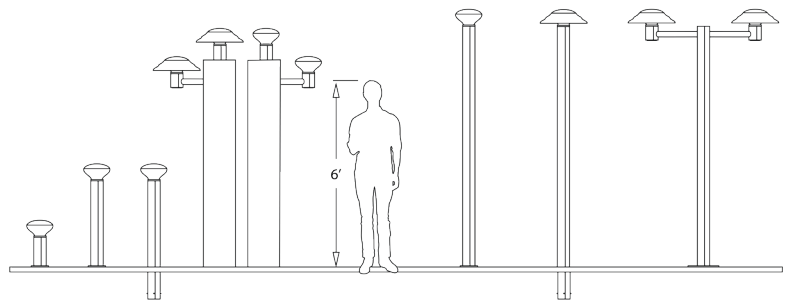
SBL fully sealed, self-contained, marine grade aluminum solar bollards offering unmatched performance, durability and impact resistance in the most extreme locations where continuous, full power lighting is required from dusk until dawn, 365 days a year.

No similar product can outperform the SBL2 Solar LED bollard for quality, durability, low maintenance and continuous performance, especially in locations where cyclones, hurricanes, typhoons, tidal surges, tsunamis and regular flooding are prevalent.

The SBL2 Solar LED Bollards have proven long term resistance to the most extreme conditions in more than 35 countries, including submersion by water, impact by hail, exposure to sun and attack by vandals.

The domed top prevents any direct impact on the solar module, stops birds perching and ensures debris or dust does not reduce the charging capacity of PV panels.

A 10 year warranty confirms the reliability and durability of this exceptional range of solar bollards



Standard pole heights range from 11 3/8" to 157 1/2".

SBL lights can be supplied both with and without reflector caps. Various SBL models allow lights to be pole mounted, wall mounted, or fixed to the ground with either a direct bury or base plate mount.



## FEATURES

- LED lights run at full power from dusk until dawn
- Power rating is set for the specific installation location and conditions
- Can operate for more than 5 days without sunlight depending on LED power rating
- Can operate even when totally submerged by water
- Withstands impact from debris and vandalism – IK10 certified – LEXAN SLX Polycarbonate dome offers exceptional resistance to willful damage

## OPTIONS

- Highly weather resistant – IP68 certified (units submersible to 3m depth)
- Marine grade aluminum poles and base mounting for maximum corrosion resistance.
- Dome top with no exposed edges prevents birds using the bollards as a resting point
- 10 year warranty

## SPECIFICATIONS

### MATERIALS

<b>Dome</b>	LEXAN SLX polycarbonate (highest UV stabilized PC available)
<b>Housing</b>	LEXAN 203R polycarbonate (UV stabilized)
<b>Internal</b>	STAREX ASA (acrylonitrile styrene acrylate)
<b>Pole</b>	Aluminum 6106-T6 marine grade (25um anodized or powder coated)
<b>Pole Color</b>	Clear anodized or black powder coated (std) Ebony anodized or other powder coat colors available on special order
<b>Certification</b>	IK10 certified - withstands impact from debris and vandalism  IP68 certified - submersible to 3m depth
<b>Warranty</b>	10 years
<b>Operating Temp.</b>	-22°F ~ +140°F ambient

### LED LIGHT

<b>Voltage</b>	3.2V
<b>LED Chips</b>	8 x 5mm Piranha LED super bright
<b>Light Distribution</b>	Asymmetrical or symmetrical
<b>Color</b>	4300K (natural white) or 3000K (warm white)
<b>Runtime</b>	Dusk until dawn on full power
<b>Lumens</b>	Light output preset for specific region & site conditions

### BATTERY

<b>Types</b>	3.2V 17Ah cylindrical LiFePo4
<b>Cycles</b>	3700 (expected minimum)
<b>Design Life</b>	10+ years

### SOLAR MODULE

<b>Wattage</b>	5W mono-crystalline
<b>Design Life</b>	10 years



**STAND-ALONE  
INSTALLATION**



**DUSK TO DAWN  
LIGHTING**



**RESISTANT TO  
EXTREME WEATHER**



**VANDAL  
RESISTANT**