



## SBL Series Standard Model



### Solar Powered LED Bollard

The Original SBL Series solar powered bollard light is ideal for architectural and commercial way finding applications. The self-contained, unique symmetrical design combined with high quality construction and unequaled proven to market performance make the SBL Series Solar Pole Top Bollard Lights the perfect fit where quality and low maintenance lighting is required.

#### KEY FEATURES OF THE SBL SERIES OVER COMPETITORS & ON-GRID PRODUCTS

- Low cost and quick installation, no trenching, cabling or wiring required
- IK10 Certified can withstand impact from flying debris & vandalism
- No ongoing energy bills, or lamps to change
- Isolated from power outages for continuous illumination
- Great for way finding and provides uplight for facial recognition and landscape lighting
- 100% Recyclable Product
- Provides a "Green Footprint" statement

From vandal attack, monsoonal rain, golf ball size hail or daily snow coverage, no similar product can out perform our SBL Series Solar LED Bollard light design for durability or performance. Our solar bollard light PCB circuit design has been fully operationally tested in the field from Saudi Arabia to the sub zero snow regions of Canada.



## TECHNICAL SPECIFICATIONS

### Overview

- **Dome Material** SABIC SLX Lexan (Highest UV Stabilised PC available)
- **Housing Material** SABIC PC (UV Stabilised)
- **Internal Materials** ASA
- **LED Chips** 6 x 5mm Piranha LED Super Bright
  - Symmetrical Light Distribution
  - 4000K +/- (Natural White)
- **Voltage** 3.2V (ELV intrinsically safe no UL certification required for USA)
- **Operate Temp** -30°C ~ +60°C external ambient (runs safely up to 100°C)
- **Maintenance** Annual clean and polish for peak performance
- **Warranty** 5 Years (subject to SBL Warranty T&C's)
- **Properties**
  - IP66
  - IK10
  - Photometric (IESNA LM-79-08)
- **Weight Light Head** Net Weight 3kg (6.6lbs)

### Solar Module

- **Wattage** 5w Mono-Crystalline
- **Vmp (V)** 5V
- **Imp (A)** 1 Amp
- **Design Life** 10 Years @ 100%

### Battery

- **Type** 3.2V 10Ah Cylindrical LiFePo4
- **Cycles** 3700 (expected minimum)
- **Design Life** Up to 10 Years (correct model for location)

### Electronics



- **Design Life** 10 Years + (expected minimum)
- **Runtime** Dusk until Dawn full power
- **On/Off** Solar Panel Voltage

### Poles

- **Material** 6106 T6 Aluminium Marine Grade
- **Grade** High Tensile / Light Weight
- **Durability** High Corrosion Resistance
- **Collar** 25um Anodised
- **Hardware** Security Bolts 4 x M6 - 316 SS



IK10  
Vandal Resistant



No  
Power Bills



Simple & Low  
Install Cost



Clean Energy  
Lighting



Minimal  
Maintenance

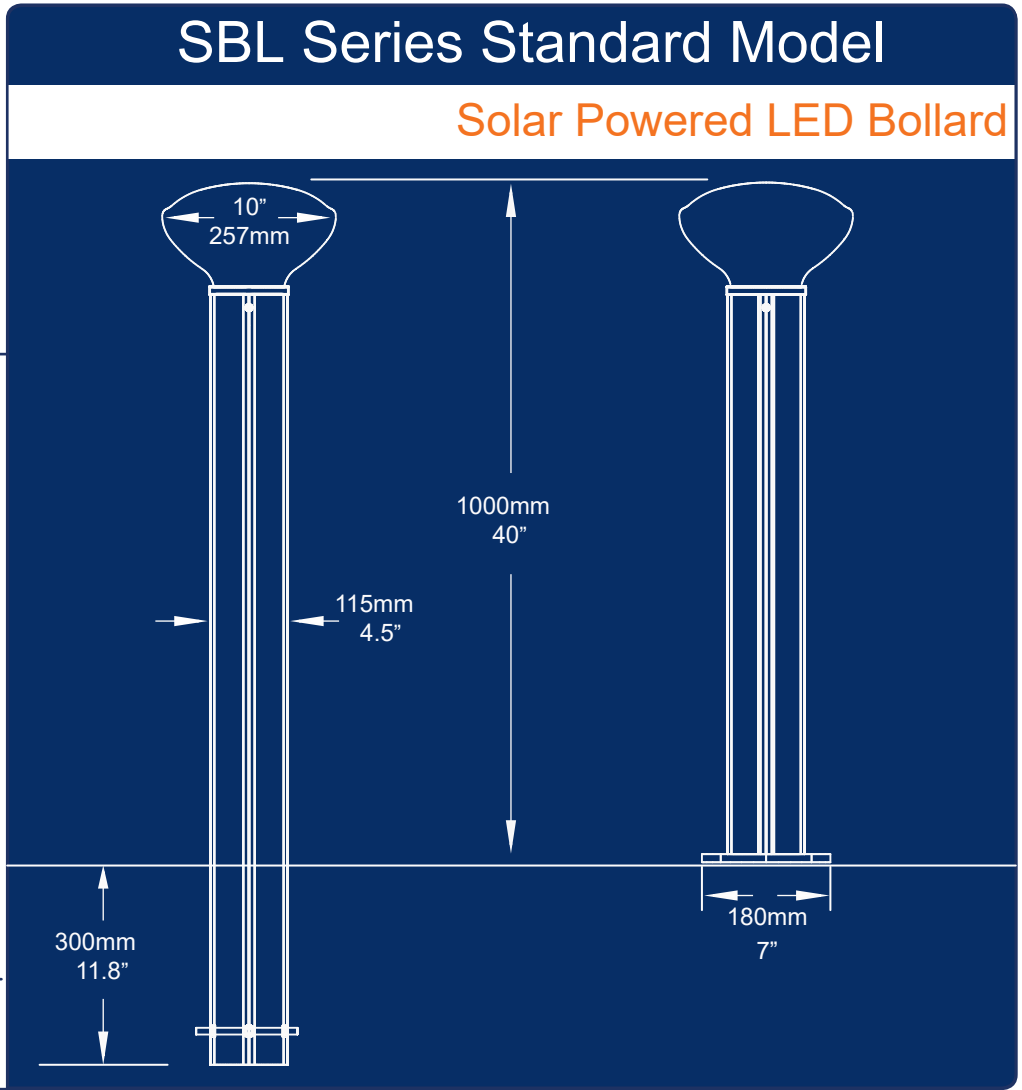
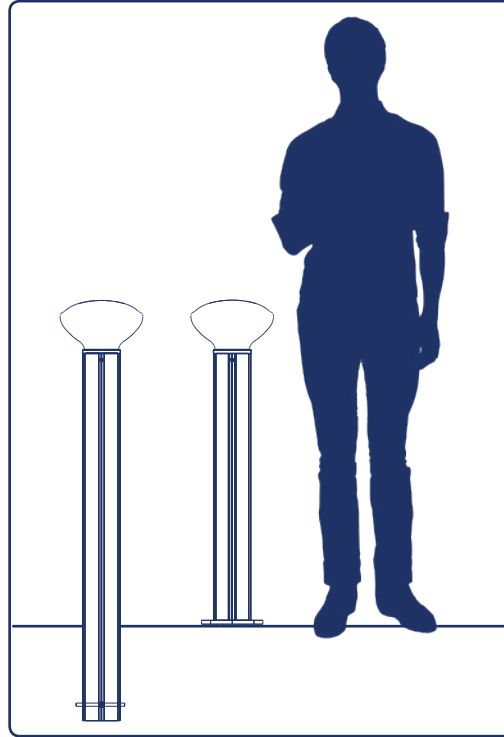


DIY  
Install  
Yourself



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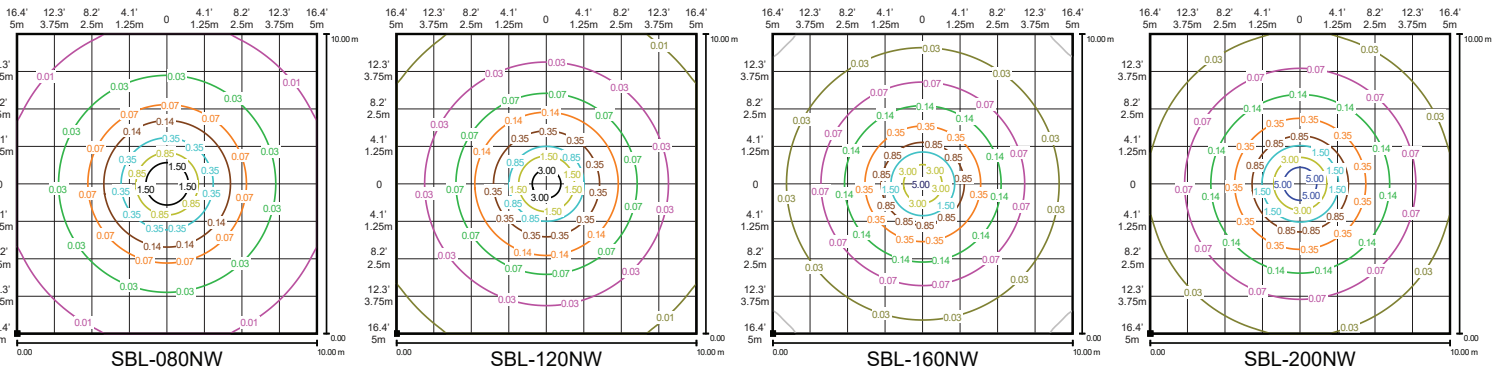
Solar Powered LED Bollard



### ISOLUX

GRID = 10m x 10m

All Values = Lux @ 1m/40" Overall Height



### ORDER MATRIX

Power Model	Mount Code	Dimension	Installed Height with Light Attached	Pole Finish Options
080 - 80mA	-182BP	182mm/7.1"	342mm / 13.5"	<b>A</b> - 25um Anodised - Clear (Silver Colour)
120 - 120mA	-840BP	840mm/33"	1000mm / 39.4"	<b>AB</b> - 25um Anodised - Ebony (Near Black) <sup>+</sup>
160 - 160mA	-1140DB	1140mm/44.9"	1000mm / 39.4"	<b>PC</b> - Black Satin 27219268 (Default Colour)
200 - 200mA	-1340BP	1340mm/53"	1500mm / 59"	<b>PCCC</b> - Custom Powder Coat Colour <sup>+</sup> From Dulux DURALLOY or ALPHATEC Colour Range (under 15 poles \$200 Minimum Charge Loading Added on top of total cost)
	-1790DB	1790mm/70.4"	1500mm / 59"	
<b>MOUNTING CODE DESCRIPTION</b> DBA - Direct Bury or BPA - Base Plate				<sup>+</sup> Special Order Option with longer lead time

Ordering Example : SBL-160NW - 840BPPC = 160mA Natural White Light on a Ground Mounted Powder Coated pole

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**Notes:**  
- Specifications subject to change without notice  
- All light levels in lux