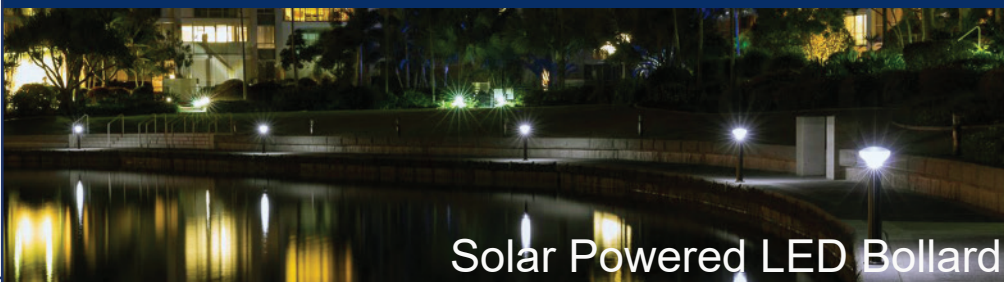




SBL Series Standard Model



Solar Powered LED Bollard

The Original SBL series solar powered LED bollard is ideal for architectural and commercial pathway 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.

Utilising our solar powered SBL Series LED Pole Top lights that are fully self contained and offer significant benefits over mains powered bollards:

- Low installation costs and minimal site damage with no trenching, cabling or wiring
- No ongoing costs with no energy bills, lamps or batteries to change
- Isolated from power outages
- Provides a "Green Footprint" statement

From vandal attack, monsoonal rain, crashing waves, 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 for over 11 years now.



TECHNICAL SPECIFICATIONS

Overview

- **Dome Material** SABIC SLX Lexan (Highest UV Stabilised PC available)
- **Housing Material** SABIC 203R (UV Stabilised)
- **Internal Materials** STAREX ASA
- **LED Chips** 6 x 5mm Piranha LED Super Bright
 - Symmetrical Light Distribution
 - 4300K +/- (Natural White)
- **Voltage** 3.2V (ELV intrinsically safe no UL certification required for USA)
- **Operate Temp** -30°C ~ +60°C 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** 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** 10 Years + (expected minimum)

Electronics

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

Poles (25um anodised standard or powder coated)

- **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



Vandal Resistant



No Power Bills



Simple & Low Install Cost



Clean Energy Lighting



Minimal Maintenance

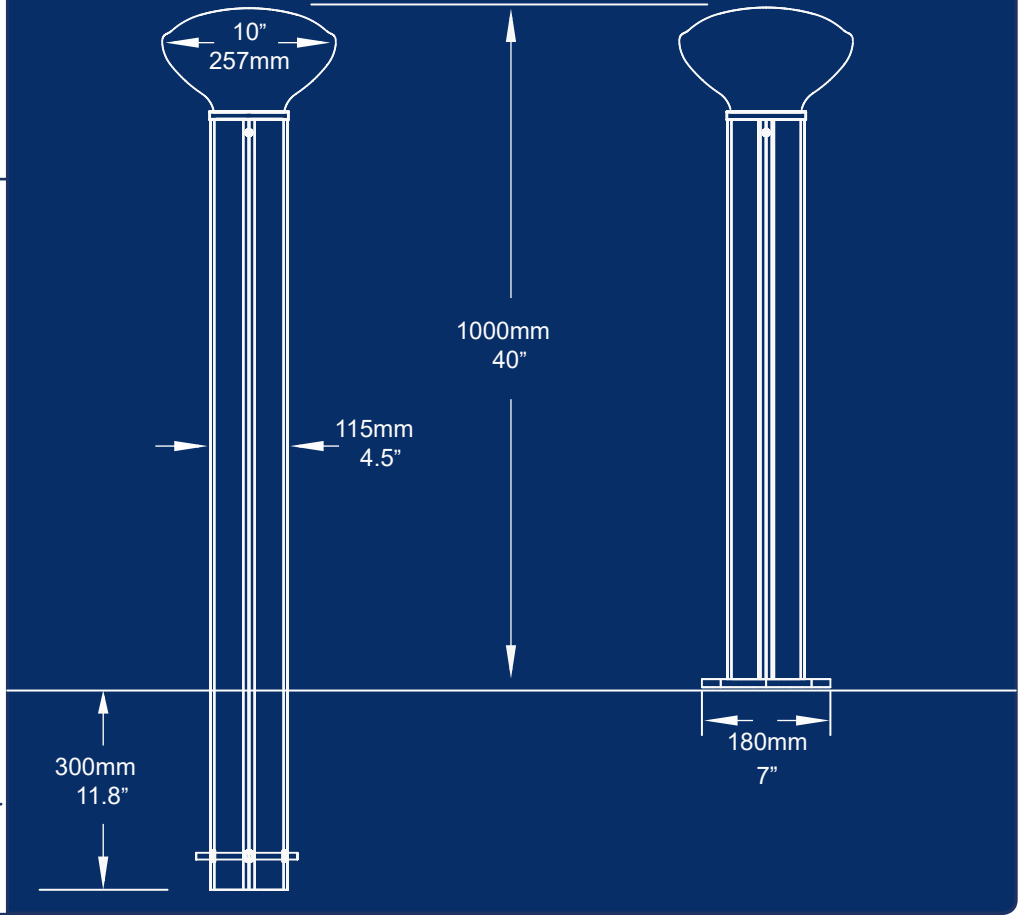
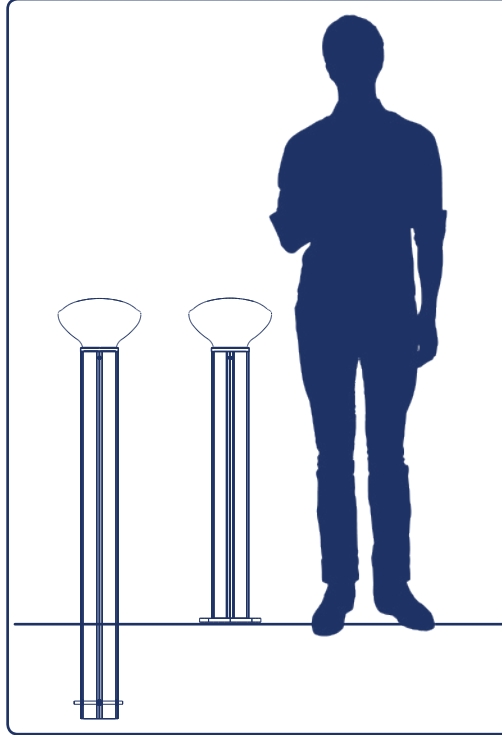


Install Yourself



SBL Series Standard Model

Solar Powered LED Bollard

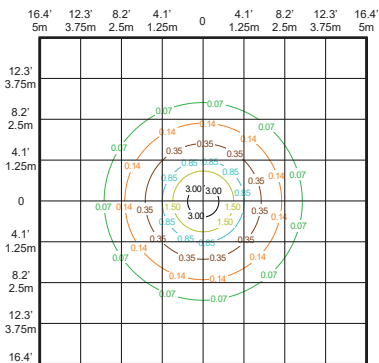


PHOTOMETRIC

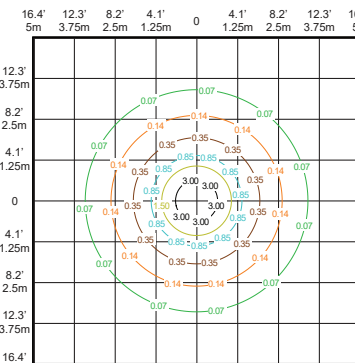
(IES files available)

GRID = 10m x 10m

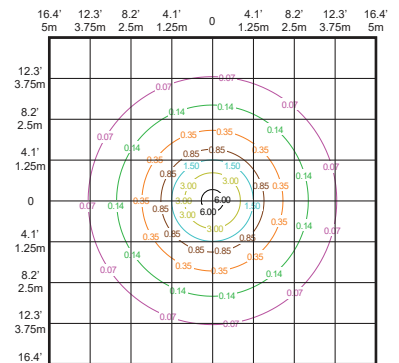
All Values = Lux @ 1m/40" Overall Height



SBL-120NW



SBL-160NW



SBL-200NW

ORDER MATRIX

Power	Pole Length - Installed Height	Mounting - Anodised Standard Silver Colour	Powder Coat
120NW	^ 182mm/5.6" 340mm / 14.4"	DBA - In Ground Anodised - Silver *	BK - Black Satin 27219268 (Default Colour)
160NW	^ 840mm/33" 1000mm / 39.4"	DBPC - In Ground Powder Coated *	CC - Custom Colour From Dulux Colour Range DURALLOY or ALPHATEC (under 15 poles \$200 Loading on top of total cost)
200NW	* 1140mm/44.9" 1000mm / 39.4"	BPA - Ground Mount Anodised - Silver ^	
	^ 1340mm/53" 1500mm / 59"	BPPC - Ground Mount Powder Coated ^	
	* 1790mm/70.4" 1500mm / 59"		

* add 160mm for light head to give overall height from ground to dome top

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

SBL Power Model Reflector Height Mounting Powder Coat Colour

Notes:
 - Specifications subject to change without notice
 - All light levels in lux
 - P4 light pole spacings are examples only.