



SBL Series Standard Model

Solar Powered LED Bollard

Project: _____

Type: _____ Quantity: _____



The 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 unequalled proven to market performance make the SBL Series Solar Pole Top Bollard Lights the perfect fit where quality and maintenance free 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, cricket 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 10 years now.

TECHNICAL SPECIFICATIONS

Overview

Dome	SABIC SLX Lexin
Main Body	Poly Carbonate designed for lighting IP66 when installed to pole (T.B.T)
Reflector	Samsung ASA (internal reflector)
LED Chips	6 x LED Chips - initial lm/w 150lm Standard 5200K (White) / Amber for Turtle Friendly
System Voltage	3.2V (ELV intrinsically safe no UL certification required for USA)
Operate Temp	-30°C ~ +60°C (ambient) Can run safely up to 100°C
Operation	Solar Panel Voltage reverse current on/off
Maintenance	Nil (when standard install location for model)
Warranty	5 years (using SBL approved pole and correct installation)
Testing	NATA Photometric - EMC compliant
Weight	Net Weight 3kg (6.6lbs)
Reflector	304 Spun Satinless Steel (external)

Solar Module

Wattage	4.8w Mono-Crystalline
Vmp (V)	5V
Imp (A)	0.98A
Features	Anti-reflective tempered glass
Design Life	20 Years +

Battery

Type	3.2VLithium LiFePo4
Cycles	5500 (expected minimum)
Design Life	15 Years +

Electronics

Design Life	20 Years +
Runtime	Dusk until Dawn full power

Poles (All poles anodised standard then powdercoated)

Material	6106 T6 Aluminium Marine Grade
Runtime	High Tensil Strength and Light Weight
Durability	High Corrosion Resistance



Vandal Resistant



No Power Bills



Simple & Low Install Cost



Clean Energy Lighting



Minimal Maintenance

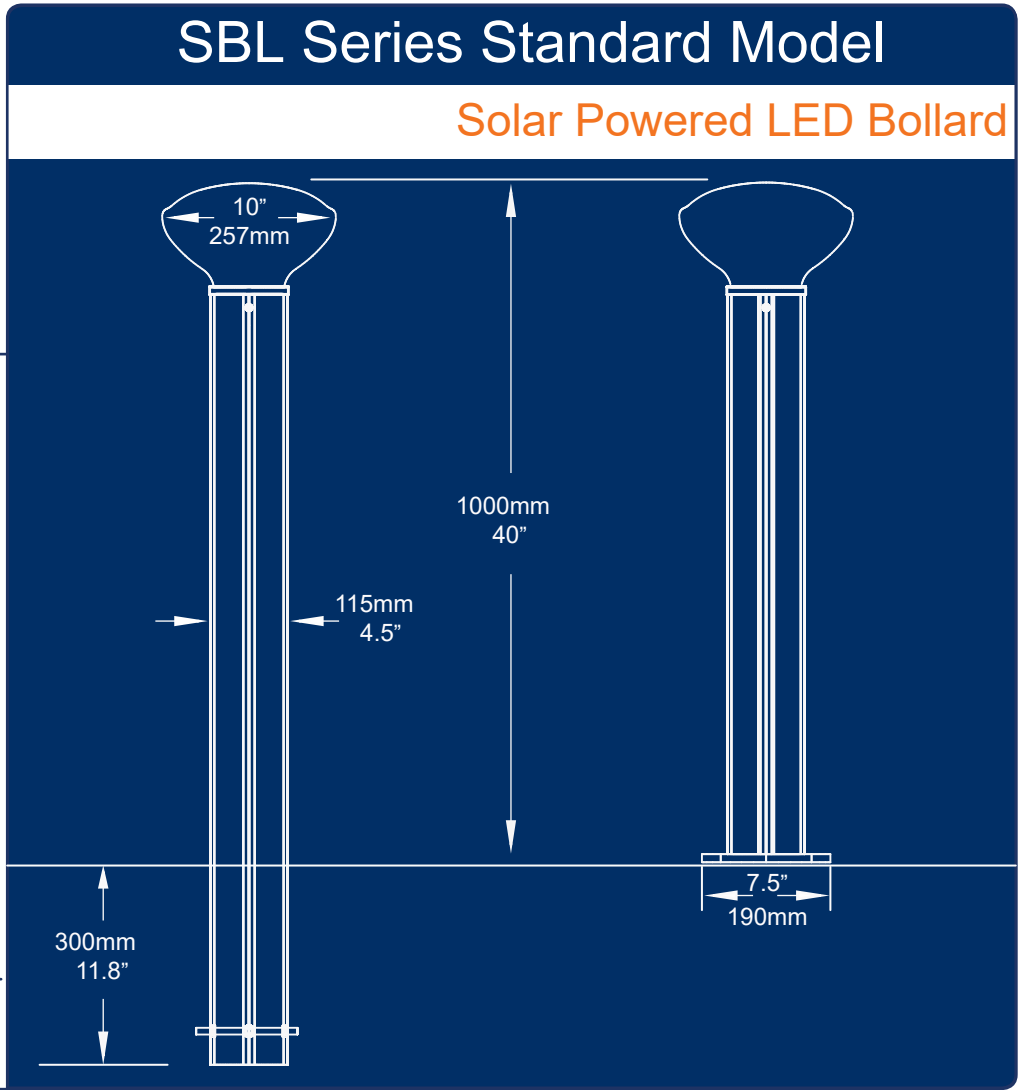
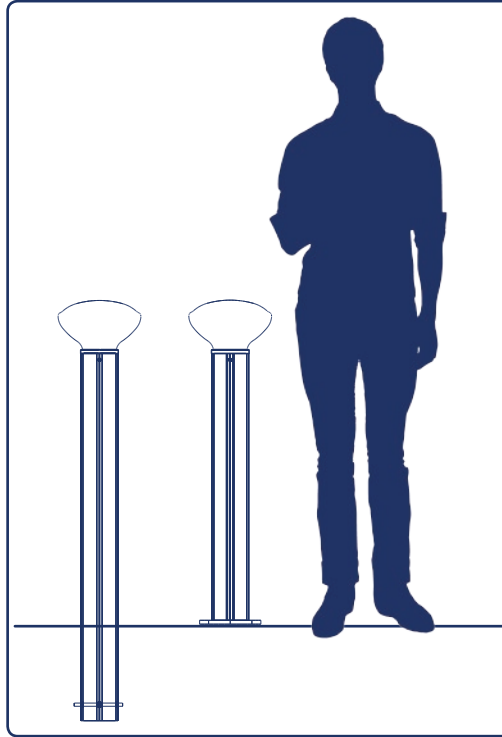


Install Yourself



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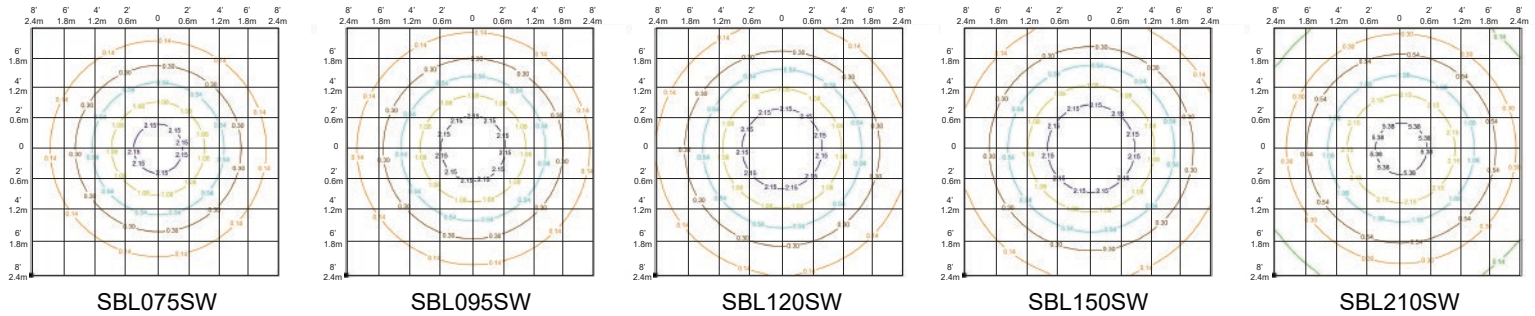
Solar Powered LED Bollard



PHOTOMETRICS

(IES files available)

Value = Lux @ 1m/40" Overall Height



ORDER MATRIX

Power	Reflector	Height *^	Mounting - Anodised Standard Silver Colour	Powder Coat
075SW		290 (11.5") ^	IA - In Ground Anodised - Silver *	BK - Satin Black (Default Powder Coat Colour)
095SW		828 (33") ^	IAPC - In Ground Powder Coated *	CC - Custom Colour (under 15 poles \$100 Loading on top of P.P.U)
100SW		1140 (45") * ^	GPA - Ground Mount Anodised - Silver ^	CC - From Dulux Colour Range DURALLOY or ALPHATEC
120SW			GPAPC - Ground Mount Powder Coated ^	
150SW			F - Wall Mount Anodised - Silver #	
210SW			FP - Wall Mount Powder Coated #	

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

Ordering Example : SBL150SW- SR - 1140GPAPC = 150mA Static White Light with SR Reflector on a Ground Mounted Powder Coated pole

SBL

Power Model	Reflector	Height	Mounting	Powder Coat Colour
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Notes:

- Specifications subject to change without notice
- All light levels in foot candles
- To convert to lux multiply light level by 10.7