



SBL2 Series S Model



Solar Powered LED Bollard

The 3rd generation SBL2 Model solar powered bollard light was specifically designed to be capable for submersion (IP68) for lighting Pathways, Driveways, Laneways, Stairways, in locations where cyclones-hurricanes-typhoons, tidal surges, tsunamis, and generalised flooding is prominent and with specific power models designed for locations that are fully shaded throughout the day with only ambient irradiation available to recharge fully each day.



KEY FEATURES OF THE SBL2 OVER COMPETITORS & ON-GRID PRODUCTS

- Low cost and quick installation, no trenching, cabling or wiring required
- IP68 Certified (AS/NZS 60529:2004 IPx8, IP4x, IP6x) submersible to 3m depth
- IK10 Certified (IEC 62262:2002) can withstand impact from debris and vandalism
- Isolated from power outages for continuous illumination
- Up to 70% more autonomy than competitors at full power output dusk until dawn

From vandal attack, severe high wind events, flood disasters, monsoonal rain, crashing waves, tidal surges, golf ball size hail or just daily snow coverage, no similar product will out perform the IK10 impact resistant construction of the SBL2, making it the perfect asset for durability and continuous performance at full power dusk until dawn operation 365 days of the year in high risk or heavily shaded areas where continuous lighting is required.

TECHNICAL SPECIFICATIONS

Overview

- **Dome Material** SABIC SLX LEXAN (Highest UV Stabilised PC available)
- **Housing Material** SABIC LEXAN 203R (UV Stabilised)
- **Internal Materials** STAREX ASA
- **LED Chips** 8 x 5mm Piranha LED Super Bright
 - Asymmetrical Light Distribution
4300K +/- (Natural White) / 3000K (Warm White)
 - Symmetrical Light Distribution
4300K +/- (Natural White) / 3000K (Warm 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** 10 Years (subject to SBL Warranty T&C's)
- **Certifications**
 - IP68 OFFICIALLY TESTED (AS/NZS 60529:2004 IPx8, IP4x, IP6x)
 - IK10 OFFICIALLY TESTED (IEC 62262:2002)
 - Photometric (IESNA LM-79-08)
 - Hazardous Area/CE/RCM (T.B.T)
- **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 17Ah 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



IP68
Submersible



IK10
Vandal Resistant



No
Power Bills



Simple & Low
Install Cost



Clean Energy
Lighting



Minimal
Maintenance

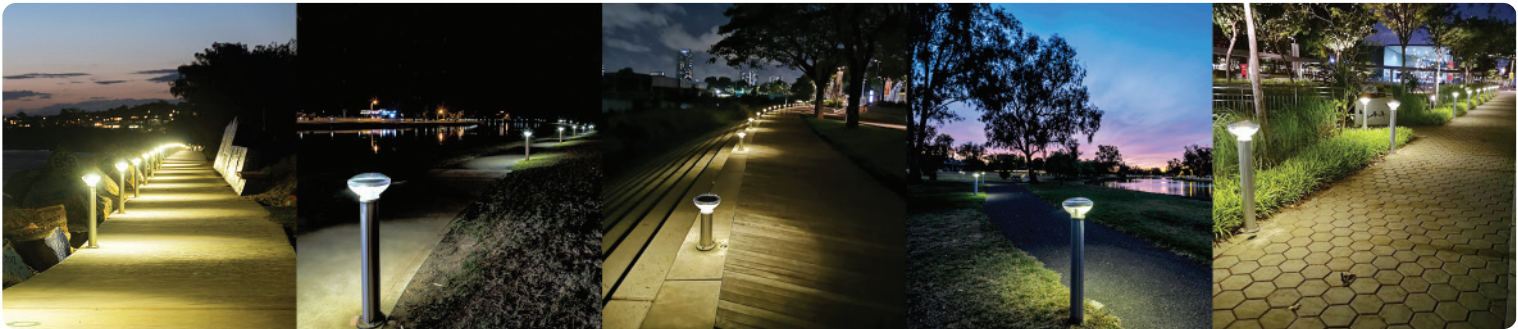
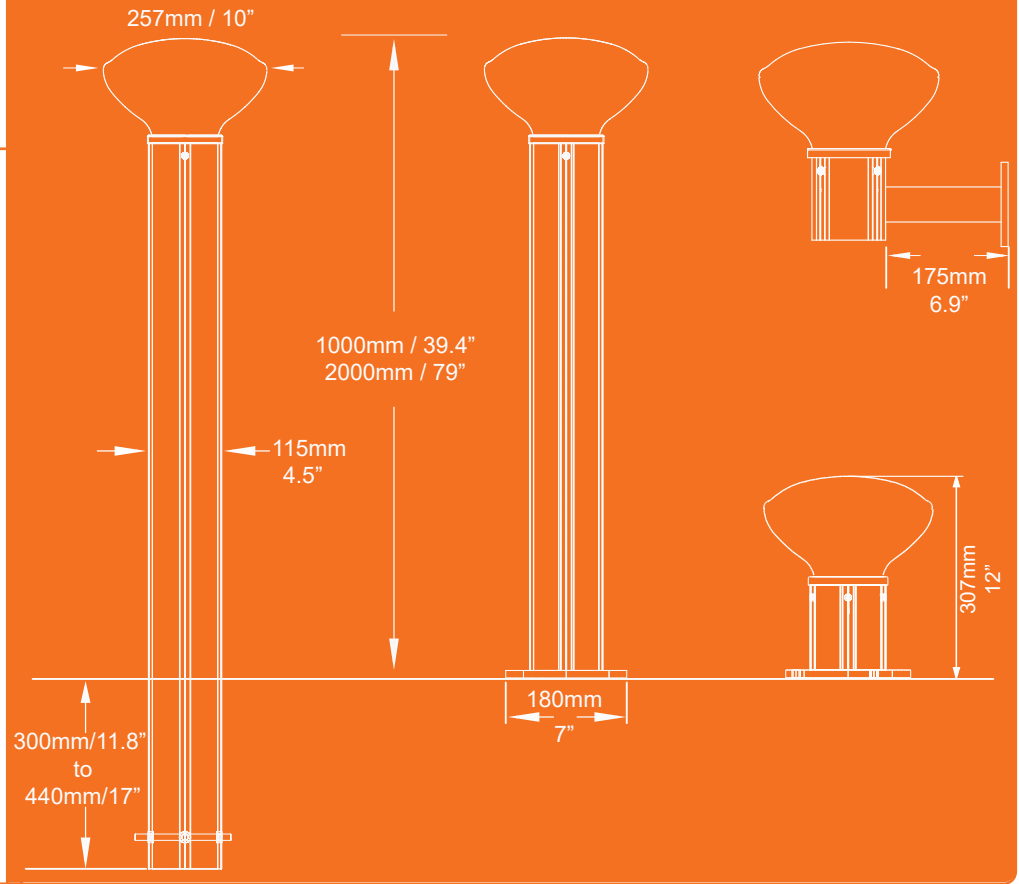
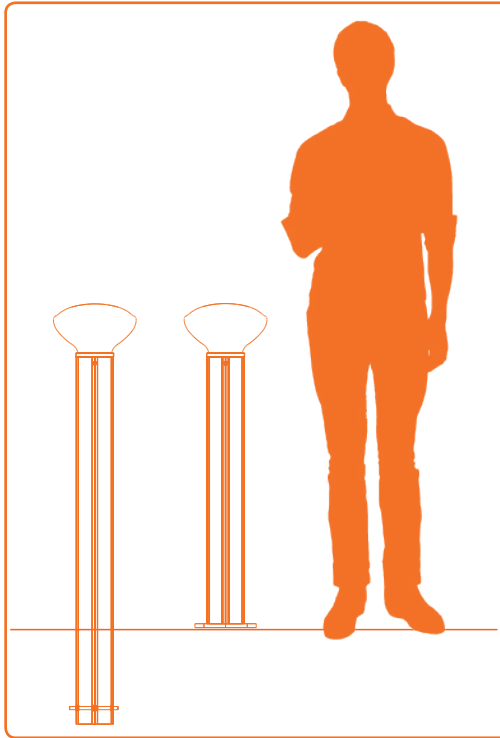


Install
Yourself



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ORDER MATRIX

Power Model	LED Configuration	Mount Code	Dimension	Installed Height with Light Attached	Pole Finish Options
040 - 40mA	ANW	-130WM	130mm/5.1"	290mm / 11.4"	A - 25um Anodised - Clear (Silver Colour)
080 - 80mA	SNW	-142BP	142mm/5.6"	302mm / 11.9"	AB - 25um Anodised - Ebony (Near Black) ⁺
120 - 120mA	AWW	-840BP	840mm/33"	1000mm / 39.4"	PC - Black Satin 27219268 (Default Colour)
160 - 160mA	SWW	-1140DB	1140mm/44.9"	1000mm / 39.4"	PCCC - Custom Powder Coat Colour ⁺
200 - 200mA		-1340BP	1340mm/53"	1500mm / 59"	From Dulux DURALLOY or ALPHATEC Colour Range (under 15 poles \$200 Miniium Charge Loading Added on top of total cost)
240 - 240mA	LED DESCRIPTION ANW - Asymmetrical (180°) 4300K +/- LED	-1790DB	1790mm/70.4"	1500mm / 59"	⁺ Special Order Option with longer lead time
280 - 280mA	SNW - Symmetrical (360°) 4300K +/- LED	-1840BP	1840mm/79"	2000mm / 79"	
	AWW - Asymmetrical (180°) 3000K +/- LED	-2440DB	2440mm/96.5"	2000mm / 79"	
	SWW - Symmetrical (360°) 3000K +/- LED				
			MOUNTING CODE DESCRIPTION WM - Wall Mount Bracket DBA - Direct Bury BPA - Base Plate		

Ordering Example :

SBL2-160ANW-1140DBPC = 160mA Asymmetrical Natural White Light on 1140mm/44.9" Black Powder Coated Direct Bury Pole

SBL2-

Power Model	LED	Mount Code	Pole Finish Option

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Notes:

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

4300K +/- 300K LED - GRID = 10m / 32.8' x 10m / 32.8' All Values = Lux @ 1m / 40" Overall Height

