

SBL2 Series S Model



Solar Powered LED Bollard

The 3rd generation SBL2 Model solar powered bollard light was specifically designed to be capable of submersion (IP68) for lighting of Pathways, Drive-ways, Laneways, Stairways, Marinas, Pontoons, Jetties, Floating Walkways, in public, mining and military locations where cyclones-hurricanes-typhoons, tidal surges, tsunamis, and generalised flooding is prominent with various power models for locations that are partially to fully shaded throughout the 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
- 10 Year Australian manufacturer back warranty - including battery

From vandal attack, severe high wind events, flood disasters, monsoonal rain, crashing waves, 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 Term	10 Years including battery (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



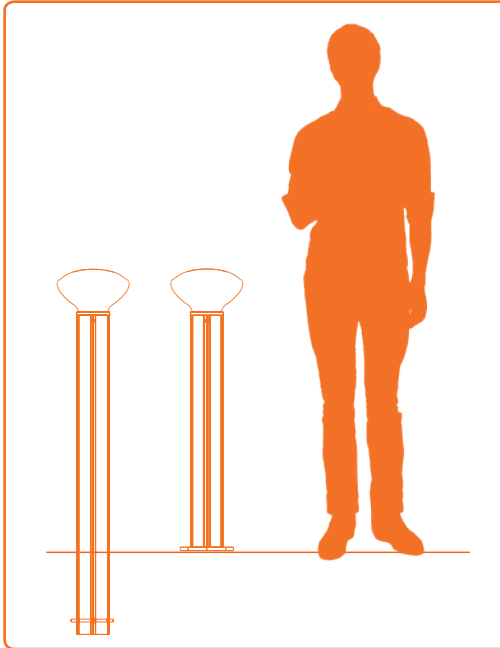
Clean Energy
Lighting



Minimal
Maintenance

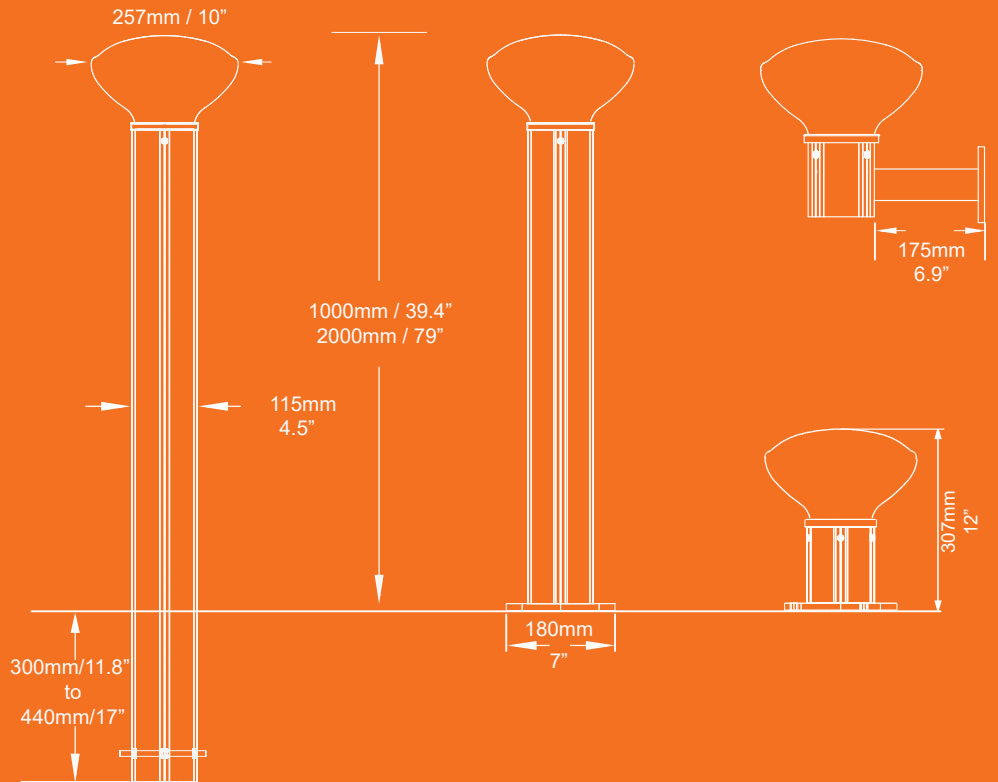


Install
Yourself



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APPLICATION EXAMPLES



Pathway



Driveway



Stairway



Floating Walkway



Mine Site

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 ⁺ From Dulux DURALLOY or ALPHATEC Colour Range (under 15 poles \$200 Minium Charge Loading Added on top of total cost)
200 - 200mA	LED DESCRIPTION ANW - Asymmetrical (180°) 4300K +/- LED SNW - Symmetrical (360°) 4300K +/- LED AWW - Asymmetrical (180°) 3000K +/- LED SWW - Symmetrical (360°) 3000K +/- LED	-1340BP	1340mm/53"	1500mm / 59"	
240 - 240mA		-1790DB	1790mm/70.4"	1500mm / 59"	⁺ Special Order Option with longer lead time
280 - 280mA		-1840BP	1840mm/79"	2000mm / 79"	
		-2440DB	2440mm/96.5"	2000mm / 79"	
		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

Power Model	LED	Mount Code	Pole Finish Option
SBL2-		-	

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

