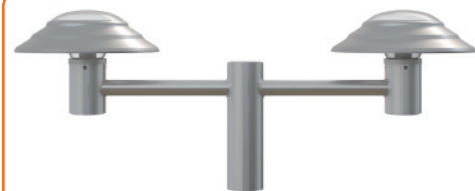


SBL2 Series 2OH Model



The 3rd generation SBL2 2OH Model solar powered bollard light was specifically designed to be capable for submersion (IP68) for overhead lighting Pathways, Bikeways, Minor Roads, Laneways, 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 fully recharge daily.

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 2OH, 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
- **External Reflector** Stainless Steel Powder Coated (Optional)
- **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) / SR 4.5kg (9.9lbs)

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



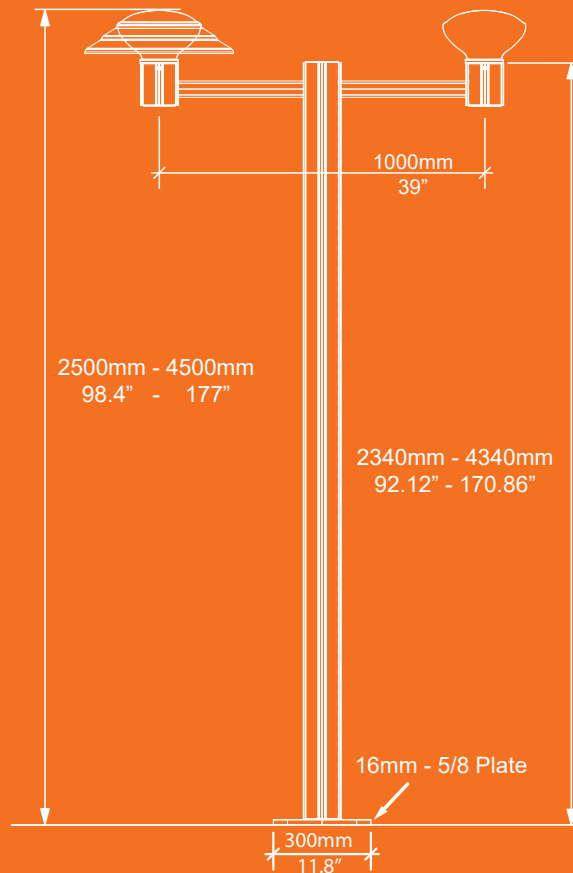
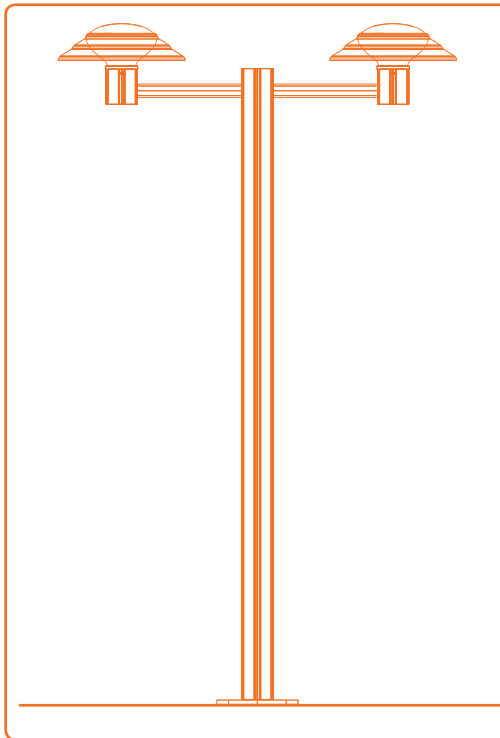
Minimal Maintenance



Install Yourself

SBL2 Series 20H Model

Solar Powered LED Bollard



APPLICATION EXAMPLES



ORDER MATRIX

Power Model	LED Configuration	Mount Code	Dimension	Installed Height with Light Attached	Pole Finish Options
040 - 40mA	ANW	-23402BP	2340mm/92"	2500mm / 98.4"	A - 25um Anodised - Clear (Silver Colour)
080 - 80mA	SNW	-30402BP	3040mm/118.8"	2500mm / 98.4"	AB - 25um Anodised - Ebony (Near Black) ⁺
120 - 120mA	AWW	-28402BP	2840mm/111.8"	3000mm / 118"	PC - Black Satin 27219268 (Default Colour)
160 - 160mA	SWW	-33402BP	3340mm/44.9"	3500mm / 138"	PCCC - Custom Powder Coat Colour ⁺
200 - 200mA	LED DESCRIPTION ANW - Asymmetrical (180°) 4300K +/- LED	-38402BP	3840mm/151.2"	4000mm / 157.5"	From Dulux DURALLOY or ALPHATEC Colour Range (under 15 poles \$200 Minium Charge Loading Added on top of total cost)
240 - 240mA	SNW - Symmetrical (360°) 4300K +/- LED	-43402BP	4340mm/170.9"	4500mm / 177"	⁺ Special Order Option with longer lead time
280 - 280mA	AWW - Asymmetrical (180°) 3000K +/- LED	MOUNTING CODE DESCRIPTION 2BP - Base Plate			
	SWW - Symmetrical (360°) 3000K +/- LED	SR - for adding on reflector to light heads			

ORDERING EXAMPLE

SBL2-200ANW-SR-33402BPCC = Dual Light 200mA Asymmetrical Natural White Light with SR Reflector on 3340mm Black Powder Coated Base Plate Pole

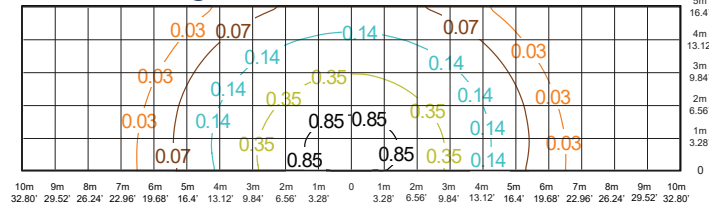
	Power Model	LED	Reflector	Mount Code	Pole Finish Option
SBL2-			-		

Notes:

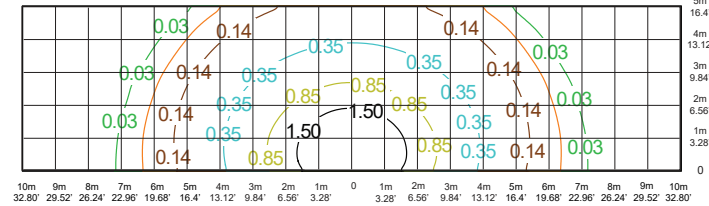
- Specifications subject to change without notice
- All light levels in lux

ISOLUX
(IES files available)

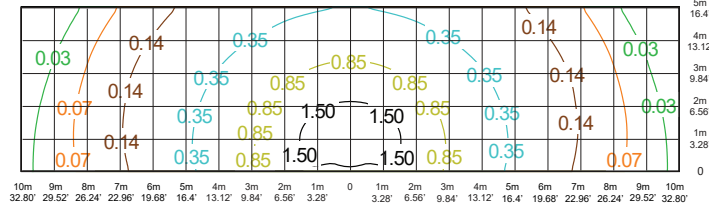
SBL2-040ANW-SR2 @ 3.0m / 9.84'



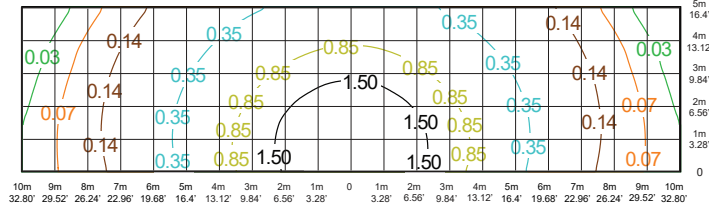
SBL2-080ANW-SR2 @ 3.0m / 9.84'



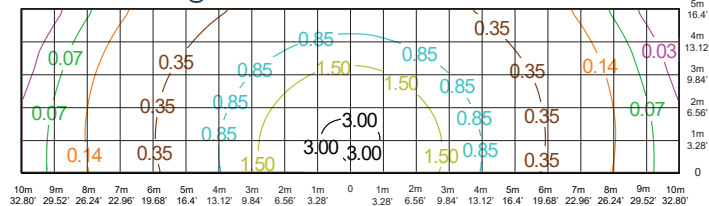
SBL2-120ANW-SR2 @ 3.5m / 11.48'



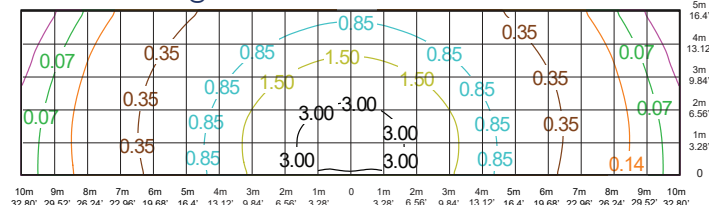
SBL2-160ANW-SR2 @ 3.5m / 11.48'



SBL2-200ANW-SR2 @ 3.5m / 11.48'



SBL2-240ANW-SR2 @ 3.5m / 11.48'



SBL2-280ANW-SR2 @ 3.5m / 11.48'

