

SBL2 Series WLF Model



Solar Powered LED Bollard

The SBL2 WLF Model solar powered bollard light was specifically designed for lighting locations where a requirement to minimize adverse impacts to wildlife using proper lighting methods was needed combined with its capabilities of submersion (IP68) in areas susceptible to cyclones/hurricanes/typhoons, tsunamis, tidal surges and generalised flooding is prominent. These features make the SBL2 WLF Model the perfect asset in any area where wildlife conservation is an issue.

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
- LED Wavelength Spectrum of 605nm-620nm

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
- **External Reflector** Stainless Steel Powder Coated (Optional)
- **LED Chips** 8 x 5mm SuperFlux LED - between 605 to 620nm
 - Asymmetrical Light Distribution
 - Symmetrical Light Distribution
- **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



Wildlife
Friendly



IK10
Vandal Resistant



No
Power Bills



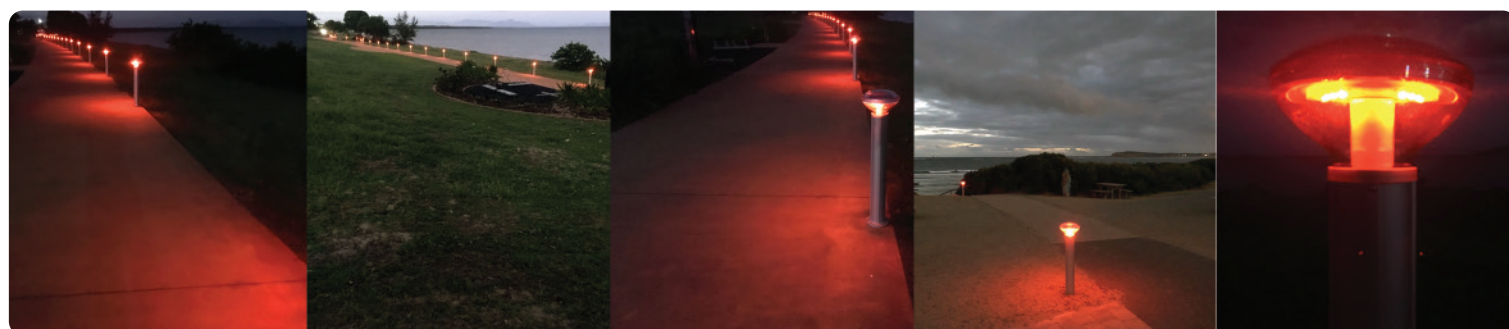
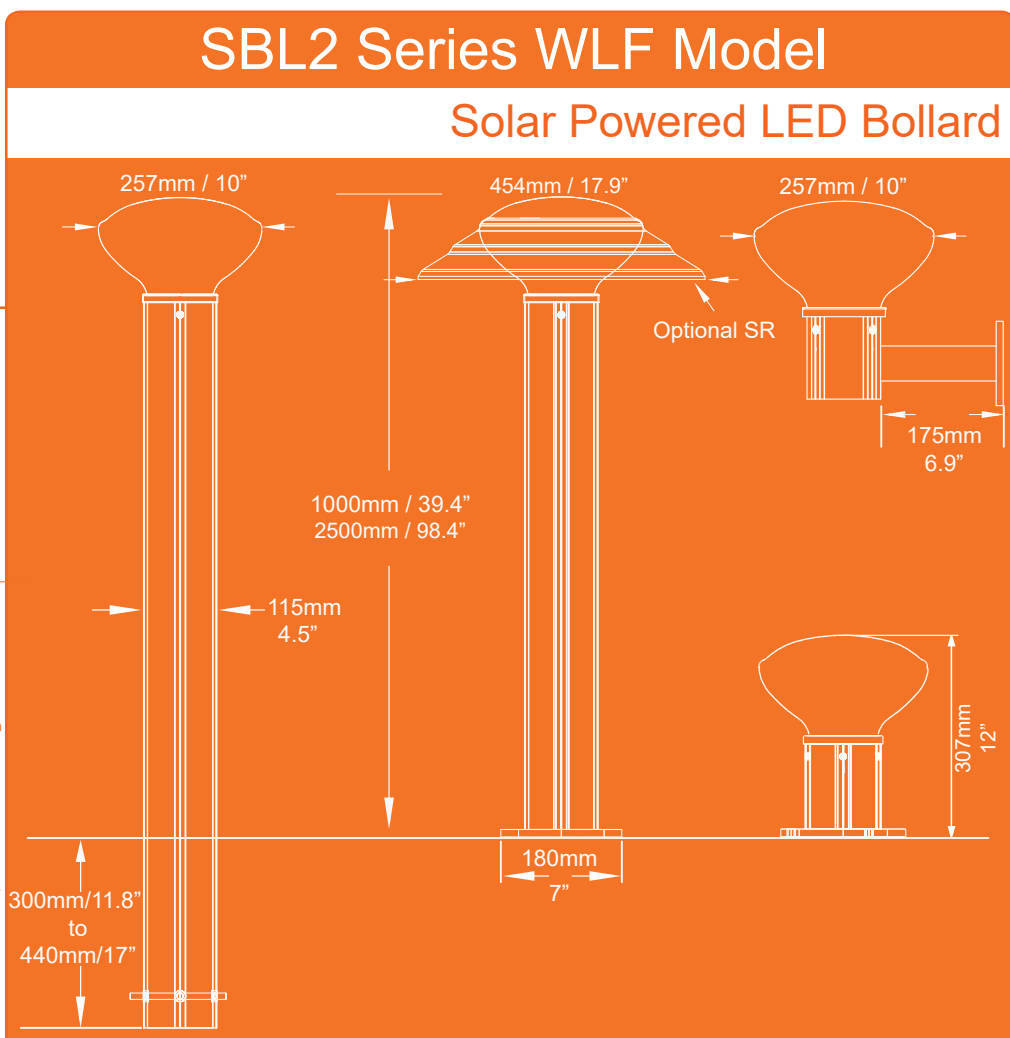
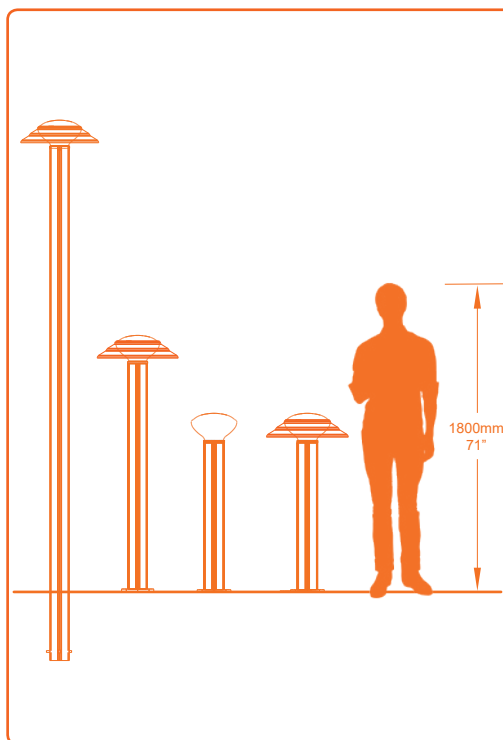
Simple & Low
Install Cost



Clean Energy
Lighting



Minimal
Maintenance



ORDER MATRIX

Power Model	LED Configuration	Mount Code	Dimension	Installed Height with Light Attached	Pole Finish Options
040 - 40mA	AA	-130WM	130mm/5.1"	290mm / 11.4"	A - 25um Anodised - Clear (Silver Colour) AB - 25um Anodised - Ebony (Near Black) ⁺ PC - Black Satin 27219268 (Default Colour) 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) ⁺ Special Order Option with longer lead time
080 - 80mA	SA	-142BP	142mm/5.6"	302mm / 11.9"	
120 - 120mA		-840BP	840mm/33"	1000mm / 39.4"	
160 - 160mA		-1140DB	1140mm/44.9"	1000mm / 39.4"	
200 - 200mA		-1340BP	1340mm/53"	1500mm / 59"	
240 - 240mA	LED DESCRIPTION AA - Asymmetrical (180°) 605-620nm LED SA - Symmetrical (360°) 605-620nm LED	-1790DB	1790mm/70.4"	1500mm / 59"	
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			SR - for adding on reflector to light heads

Ordering Example :

SBL2-160AA-1140DBPC = 160mA Asymmetrical Amber/Red Light on 1140mm/44.9" Black Powder Coated Direct Bury Pole

SBL2-

Power Model	LED
-------------	-----

 -

Reflector

 -

Mount Code

Pole Finish Option

Notes:

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