

Solar Bollard® *Lighting*

10
YEARS



✓ 10 YEAR WARRANTY

✓ IP68 SUBMERSIBLE

✓ IK10 VANDAL RESISTANT

✓ NO POWER BILLS

✓ SIMPLE & LOW
INSTALL COSTS

✓ CLEAN ENERGY LIGHTING

✓ MINIMAL MAINTENANCE

✓ 100% RECYCLABLE

✓ INSTALL YOURSELF

SBL2 SERIES S MODEL





SBL2 - S Model

The 3rd generation SBL2 Model solar powered bollard light was specifically designed to be capable of submersion (IP68) for lighting of Pathways, Driveways, Laneways, Stairways, Marinas, Pontoon/Jetties, Floating Walkways, in public, mining and military locations where cyclones-hurricanes-typhoons, tidal surges, tsunamis, and generalised flooding is prominent.

Most solar bollard lights will not operate in fully shaded locations, Solar Bollard Lighting have solved this issue with the SBL2 Series innovative power controlled models capable of operating in full shade 365 days of the year.

Every project globally, has an initial geographical location and shade assessment applying the 'Power In = Power Out' equation, based on the sunlight profile during the winter solstice at the precise location of installation. Using this solstice snapshot, we account for the longest winter nights, and the low-tracking sun when shadows are longest.

This ensures a reliable long term solar lighting installation enabling Solar Bollard Lighting to provide a 10-year warranty on product and performance.

KEY FEATURES

- ✓ Low cost and quick installation, no trenching, cabling or wiring required
- ✓ IP68 Certified submersible IK10 Certified can withstand impact from floating/flying debris & vandalism
- ✓ Up to 70% more real autonomy than competitors at full power
- ✓ Isolated from power outages for continuous illumination
- ✓ 10 Year Australian manufacturer product and performance warranty
- ✓ 100% Recyclable Product

TECHNICAL SPECIFICATIONS



DOME COVER	Sabic Lexan™ SLX Copolymer (Extreme UV Resistance)
LOWER HOUSING	Sabic PC (High Impact Resistance / High UV Stabilisation)
INTERNAL PARTS	Starex ASA Copolymer
LED CHIP	8 x 5mm SuperFlux LED Asymmetrical Light Distribution 4000K (Natural White) / 3000K (Warm White) Symmetrical Light Distribution 4000K (Natural White) / 3000K (Warm White)
VOLTAGE	3.2VDC (ELV - 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 (AS/NZS 60529:2004 IPx8, IP4x, IP6x) IK10 (IEC 62262:2002) Photometric (IESNA LM-79-08) CE
LUMINAIRE WEIGHT	Net Weight 2.88kg (6.4lbs)

SOLAR MODULE	
Wattage	5w Mono-Crystalline
Vmp (V)	5V
Imp (A)	1 Amp
Design Life	> 10 Years (100% output)
BATTERY	
Type	3.2V 17Ah Cylindrical LiFePo4
Cycles	≥ 3700
Design Life	≥ 10 Years (correct mA model used for install location)
ELECTRONICS	
Design Life	> 10 Years (expected minimum)
Runtime	Dusk until Dawn full power
On/Off Control	Solar Panel Voltage
POLES	
Material	6106 T6 Aluminium Marine Grade
Grade	High Tensile / Light Weight
Durability	High Corrosion Resistance
Collar	25um Anodised Aluminium
Hardware	Security Bolts 4 x M6 - 316 SS



ORDER MATRIX

POWER MODEL	LED CONFIGURATION	STANDARD MOUNTING CODE	DIMENSION	INSTALLED HEIGHT WITH LIGHT ATTACHED	POLE FINISH OPTIONS
040 - 40mA	ANW	-130WM	130mm/5.1"	290mm / 11.4"	A - 25um Anodised Silver (Default Colour) PC - BLACK (NIGHT SKY) (Default Colour)
080 - 80mA	SNW	-142BP	142mm/5.6"	302mm / 11.9"	CUSTOM FINISH OPTIONS CPC - Powder Coat - Various Colours* CA - 25um Anodised - Various Colours* CEA - EverShield Anodised - Various Colours* (under 15 poles - Minimum Order Loading cost applies) * Custom Order Option have longer lead time
120 - 120mA	AWW	-292R RR / FR / WR	1840mm/79"	2000mm / 79"	
160 - 160mA	SWW	-840BP	840mm/33"	1000mm / 39.4"	MOUNTING DESCRIPTION WM - Wall Mount Bracket DB - Direct Bury BP - Base Plate RAIL MOUNTING DESCRIPTION RR - Round Rail Metal - SS U-Bolts FR - Flat Rail Metal - Dual Plate Brackets WR - Wooden Rail U-Shape Bracket MULTI-LIGHT MOUNTING DESCRIPTION Two (2) Light Pole - add 2 after Pole Finish Three (3) Light Pole - add 3 after Pole Finish Four (4) Light Pole - add 4 after Pole Finish
200 - 200mA	LED DESCRIPTION	-1140DB	1140mm/44.9"	1000mm / 39.4"	
240 - 240mA	ANW Asymmetrical (180°) 4000K +/- LED	-1340BP	1340mm/53"	1500mm / 59"	
280 - 280mA	SNW Symmetrical (360°) 4000K +/- LED	-1790DB	1790mm/70.4"	1500mm / 59"	
	AWW Asymmetrical (180°) 3000K +/- LED	-1840BP	1840mm/79"	2000mm / 79"	
	SWW Symmetrical (360°) 3000K +/- LED	-2440DB	2440mm/96.5"	2000mm / 79"	
		-2340BP 2 / 3 / 4	2340mm/92"	2500mm / 98"	
		-30402DB	3040mm/119.6"	2500mm / 98"	
		-2840BP 2 / 3 / 4	2840mm/111.8"	3000mm / 118"	
		-3640DB	3640mm/143"	3000mm / 118"	
		-3340BP2 / 3 / 4	3340mm/131.5"	3500mm / 138"	
		-3840BP2 / 3 / 4	3840mm/151"	4000mm / 157"	
		-4340BP2 / 3 / 4	4340mm/171"	4500mm / 177"	

Ordering Example :

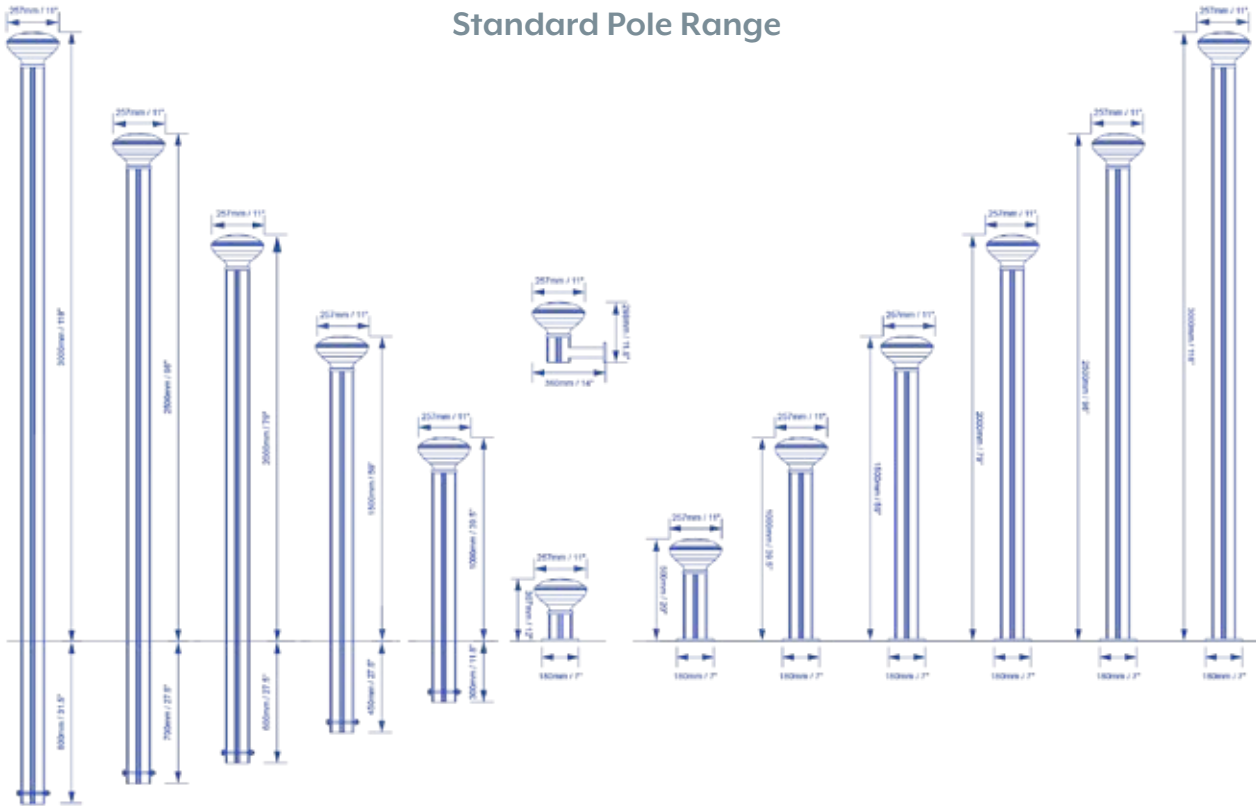
SBL2-160ANW-1140DBPC = 160mA Asymmetrical Natural White Light on 1140mm/44.9" Black Powder Coated Direct Bury Pole

	Power Model	LED Colour/Distribution	Standard Mount Code	Pole Finish Option	Custom Finish Code
SBL2	160	ANW	- 1140DB	PC	

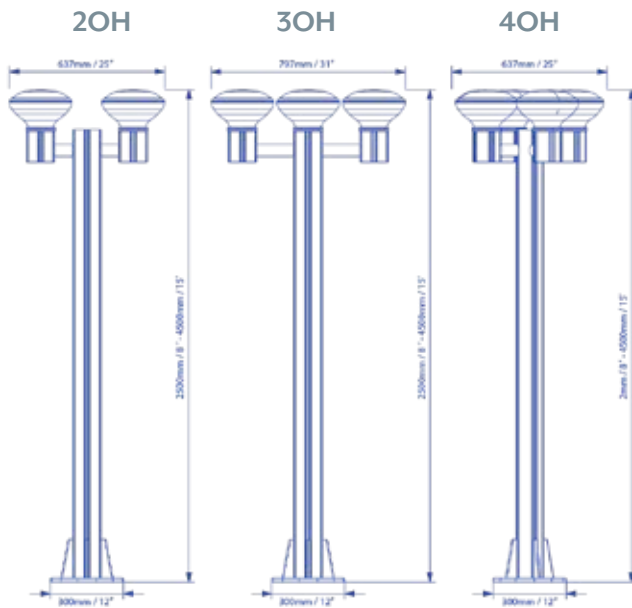
If Applicable

NOTES: Specifications subject to change without notice

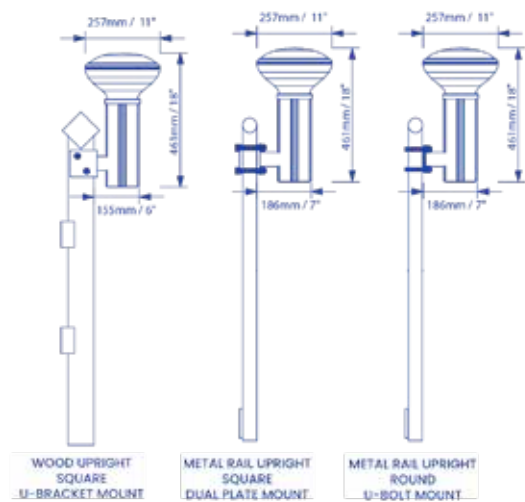
Standard Pole Range



Multi Light Pole Range



Conveyor / Rail Mount Pole Range



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