

Solar Bollard[®] Lighting

EST. 2003

WORLDS No. 1 Solar Bollard Light



- ✓ BRIGHTER FOR LONGER
- ✓ CHARGES IN SHADE
- ✓ IK10 IMPACT RESISTANT
- ✓ IP68 SUBMERSIBLE
- ✓ 10 YEAR PRODUCT AND PERFORMANCE WARRANTY
- ✓ AUSTRALIAN MADE
- ✓ MULTI AWARD WINNING
- ✓ 100% RECYCLABLE
- ✓ 100% CLEAN ENERGY
- ✓ EASY TO INSTALL





Solar Bollard Lighting®

The Way To A Sustainable Future



Solar Bollard Lighting® (SBL) Solar Bollard Lighting revolutionized the lighting industry over two decades ago by innovating and commercializing the world's first, **Integrated All-in-One Solar Light**.

As an ISO9001 and ISO14001 solar lighting manufacturer, we consistently deliver top tier solar lights that

- Are fit for commercial purpose
- Offer the best ROI on a life-cycle basis
- Can be 100% recycled at end of life
- Certified in Australian NATA laboratories
- Have an industry leading 10-year warranty*
- Are design driven to be climate ready

Since then, we have pioneered solar lighting for infrastructure projects that require climate ready lighting solutions such as

- Pathway and trail lights
- Driveway lighting
- Street and minor road lighting
- Parking lot lighting
- Recreation area lighting
- Dock and marina lighting
- Campuses

Our Original Product Designs

Focusing on industrial grade design, and one product line only that is rigorously evaluated in an Australian NATA accredited laboratory, guarantees our solar lights are fit for commercial lighting projects.

With all great products, many have tried to duplicate our original design innovations, and some may even look similar, but they cannot match our finish quality, long in situ life cycle, and all night illumination. SBL outshine and outperform all of our competitors.

Lighting Up Our World

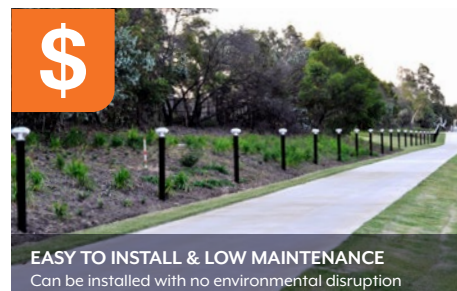
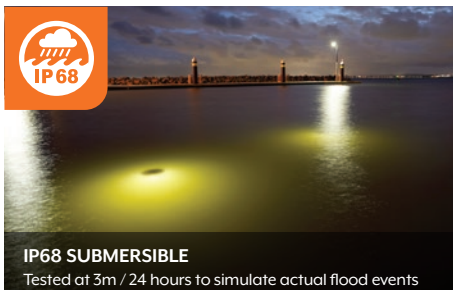
Over 50,000 solar bollard lights are lighting up in over 40 countries, so this assures our clients only a top-tier solar light is delivered, and a superior long-term lighting investment is achieved.

Lighting Adverse Environments

Our solar bollard lighting range is market proven to light up the most challenging environments that are susceptible to

- Cat 5 hurricane/cyclone/typhoon wind speeds occurring
- Submersion from flooding, tidal surges and tsunamis
- No direct sunlight (full shade every day) occurring**
- Being encased in ice from severe snow blizzard events

Product Features



All-in-One Industrial Grade Solar Bollard Lighting

IP68

IK10

SBL2 Series

SUITED TO

- Flood Prone Areas
- Shaded Locations
- Snowfall Regions
- Monsoonal Locations
- Environmental Areas



10 YEARS
WARRANTY • PRODUCT AND PERFORMANCE



SBL2 S MODEL
General Lighting
3000K DarkSky Compliant




SBL2 SR
Full Light Cut Off
DarkSky Compliant




SBL2 WLF
Wildlife Sensitive
Locations

POLE FINISHES




POWDER COATED




ANODISED

LIGHT DISTRIBUTION OPTIONS




ASYMMETRICAL




SYMMETRICAL


LED OPTIONS



4000K
Natural White



3000K
Warm White



600nm-615nm
Wildlife Friendly

INSTALLATION & MOUNTING OPTIONS

The 6106 T6 high tensile strength marine grade aluminium used to extrude our poles, offers an operational life of up to 30 years in situ.



Baseplate Mount
Ground mounted to existing or new surfaces



WM
Wall Mounted



PM
Pylon Mounted



UM
Fence Mounted



RR
Round Rail Mounted



RR
Square Rail Mounted



Baseplate Cover
Option to cover the baseplate securing bolts



Direct Buried
Simple core hole and concrete fill for maximum security



OH
1 Light Head



2OH
2 Light Head



3OH
3 Light Head



4OH
4 Light Head

TECHNICAL SPECIFICATIONS

DOME POLYMER	SABIC Lexan™ SLX Copolymer (Extreme UV Resistance)
HOUSING POLYMER	SABIC 703RPC (High Impact Resistance / High UV Stabilised)
INTERNAL POLYMER	Starex ASA Copolymer
SR REFLECTOR Optional	External 304SS Powder Coated External Aluminium Anodised (over 2.5m only)
LED CHIP	8 x 5mm SuperFlux LED - 4000K (Natural White) - 3000K (Warm White - DarkSky Compliant) - 585nm-615nm (Wildlife Friendly)
VOLTAGE	3.2VDC (ELV intrinsically safe - No UL certification required for USA)
OPERATE TEMP	-30°C ~ +60°C ambient (runs safely up to 100°C)
MAINTENANCE	Annual wash and polish (for peak performance)
WARRANTY TERM	10 Years - includes battery and pole* *subject to SBL Warranty T&Cs
CERTIFICATIONS	IP68 – (AS/NZS 60529:2004 IPx8, IP4x, IP6x) IK10 – (IEC 62262:2002) Photometry – (IESNA LM-79-08) CE
LUMINAIRE WEIGHT	2.88kg (6.4lbs) NW / Add SR 4.21kg (9.3lbs) NW

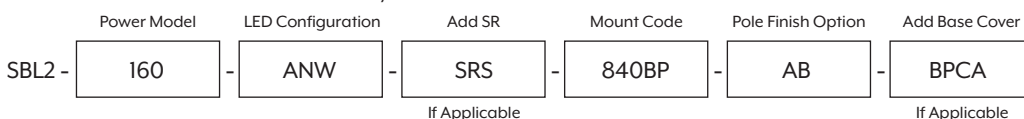
SOLAR MODULE - ROHS Compliant	
Pmp	5w Mono-Crystalline
Voc / Vmp (V)	6V / 5V
Isc / Imp (A)	1.15 A / 1.01 A
Design Life	>12 Years - 100%
BATTERY	
Type	3.2V 17Ah Cylindrical LiFePo4
Cycle Life	>5000
Design Life	>13.7 Years
ELECTRONICS - ROHS Compliant	
Design Life	20 Years - Long Life Analogue Circuit
Runtime	Dusk until Dawn @ full power
On/Off	Solar Panel Voltage
POLE MATERIAL AND COMPONENTS	
Material	Extruded 6106 T6 Aluminium
Grade	Marine / High Tensile / Light Weight
Durability	High Corrosion Resistance
Collar	Spun Aluminium 25um Anodised
Hardware	Security Bolts 4 x M6 - 316 SS

ORDERING MATRIX

POWER MODEL	LED CONFIGURATION	MOUNTING CODE	DIMENSION	INSTALLED HEIGHT	POLE FINISH OPTIONS
040 - 40mA	ANW	-130WM	130mm/5.1"	290mm / 11.4"	STANDARD FINISH A - 25um Anodised Silver (Default Colour) AB - 25um Black Anodised (Default Colour) PC - Black Satin (Default Colour) CUSTOM FINISH AC - 25um Anodised - Various Colours* ES - EverShield Anodised - Various Colours* PCC - Powder Coat - Various Colours* NOTES: * Custom Order Options have longer lead time * Under 15 poles - Minimum Order Loading cost applies
080 - 80mA	SNW	-142BP	142mm/5.6"	302mm / 11.9"	
120 - 120mA	AWW	-292R RR/SR/DP/UM	1840mm/79"	2000mm / 79"	
160 - 160mA	SWW	-840BP	840mm/33"	1000mm / 39.4"	
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"	
SR REFLECTOR OPTION		-2340BP *2/*3/*4	2340mm/92"	2500mm / 98"	
SRS - Add SR Reflector 304SS Powder Coated		-30402DB	3040mm/119.6"	2500mm / 98"	
SRA - Add SR Reflector Aluminium Anodised		-2840BP *2/*3/*4	2840mm/111.8"	3000mm / 118"	
		-3640DB	3640mm/143"	3000mm / 118"	
		-3340BP *2/*3/*4	3340mm/131.5"	3500mm / 138"	
		-3840BP *2/*3/*4	3840mm/151"	4000mm / 157"	
		-4340BP *2/*3/*4	4340mm/171"	4500mm / 177"	

Ordering Example :

SBL2-160ANW-SR-840BP-CA-BPC = 160mA Asymmetrical Natural White LED with SR Reflector on 840mm/33" Black 25um Anodised Pole with Anodised Base Plate Cover



NOTES: Specifications subject to change without notice

Applications

Our Australian Made solar bollard light can be found in more than 40 countries, lighting up projects such as pathways, streets, driveways, stairways, public jetties and pontoons, and even flag poles.



PATHWAYS



JETTY & DOCKS



STAIRWAY & ACCESS WAYS



WETLANDS



RESIDENTIAL DEVELOPMENTS



PARKS & PUBLIC AREAS



SNOW REGIONS



RESIDENTIAL STREETS



MARINE & WILDLIFE AREAS

Industries

There are many reasons architects, landscape designers, facility managers, town planners, developers, civil contractors, mining & resource companies, and governments from around the world choose the SBL2 Series.



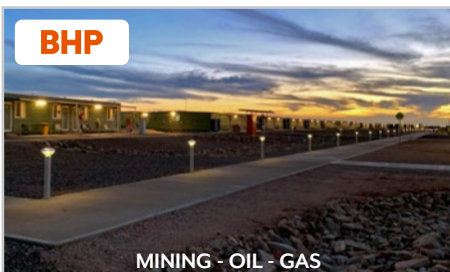
LOCAL GOVERNMENT



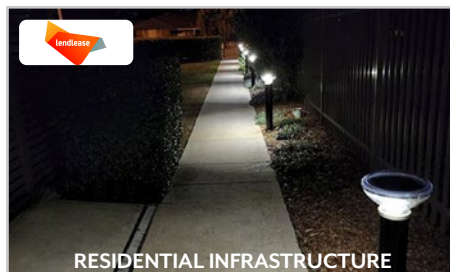
STATE GOVERNMENT



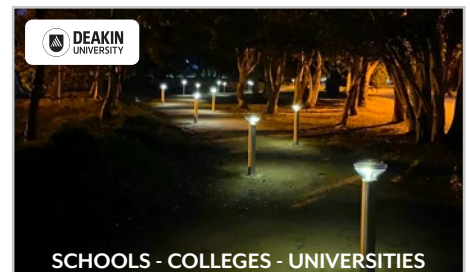
CORPORATE - INSTITUTIONS



MINING - OIL - GAS



RESIDENTIAL INFRASTRUCTURE



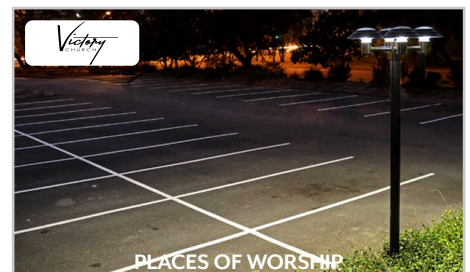
SCHOOLS - COLLEGES - UNIVERSITIES



HOTELS - RESORTS - CAMP GROUNDS

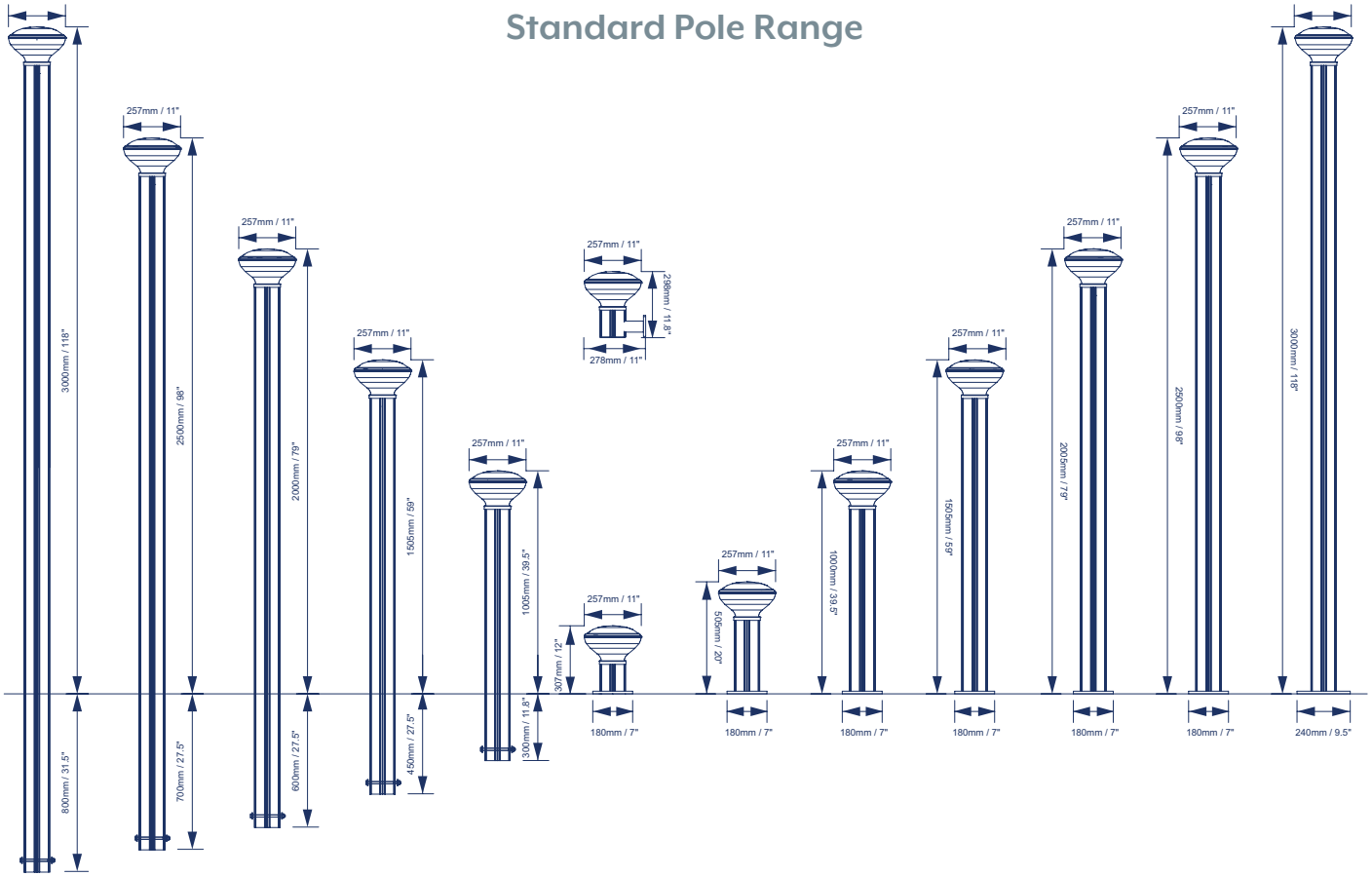


SPORTS - RECREATION

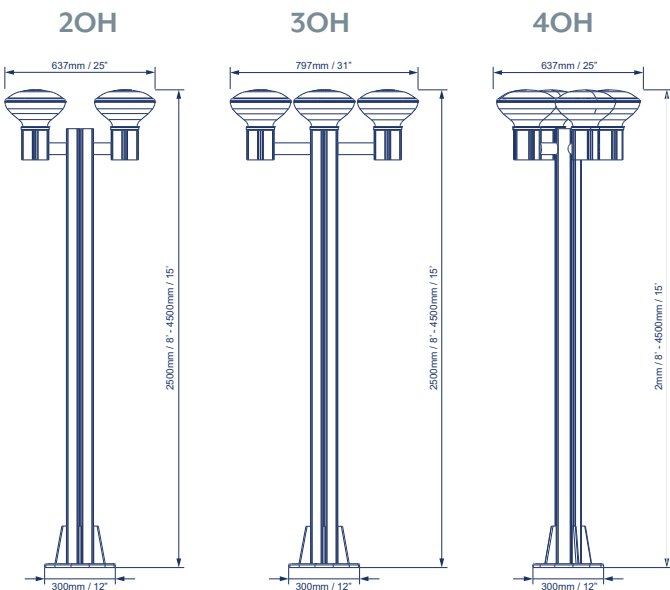


PLACES OF WORSHIP

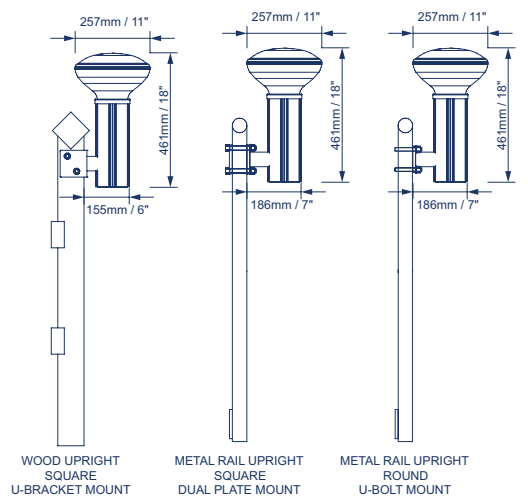
Standard Pole Range



Multi Light Pole Range

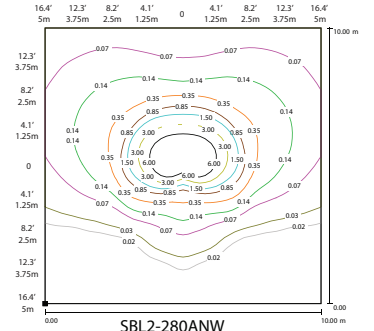
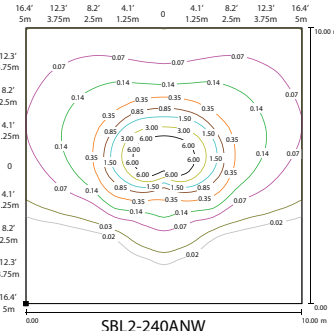
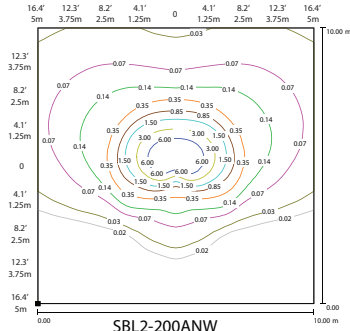
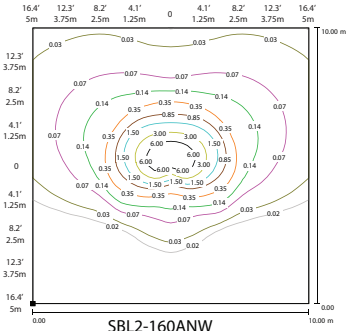
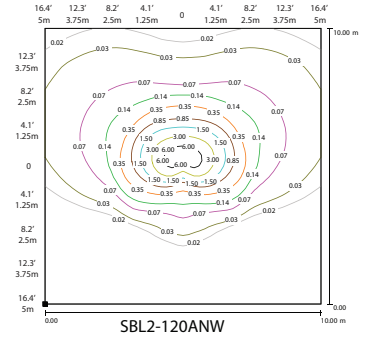
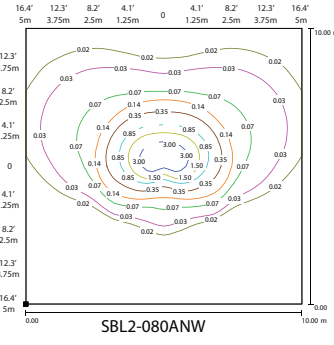
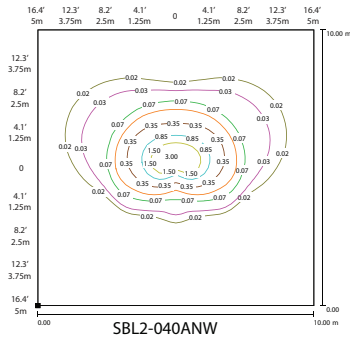


Conveyor / Rail Mount Pole Range



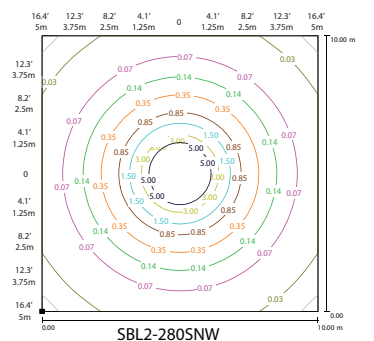
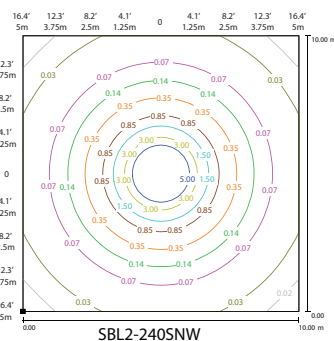
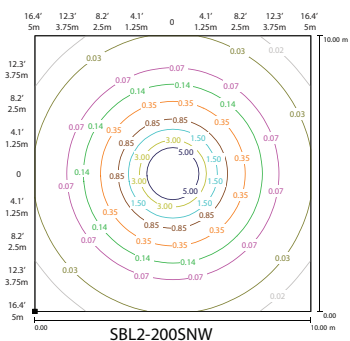
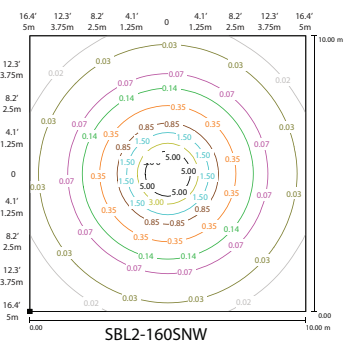
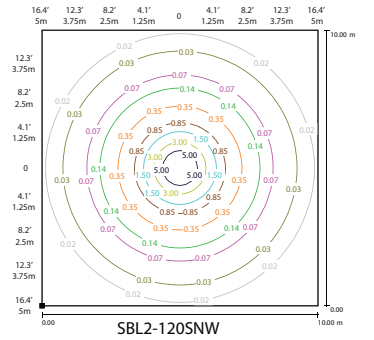
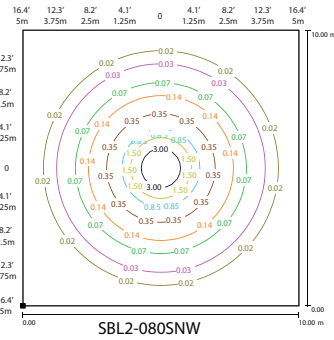
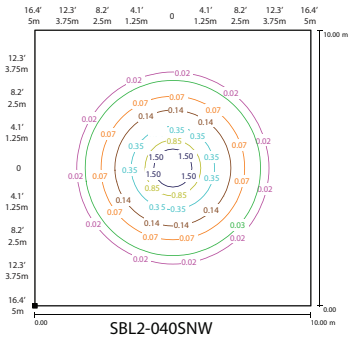
ASYMMETRICAL 4000K

ISOLUX Grid: 10m / 32.8ft x 10m / 32.8ft
Illuminance Value: (lux)
Height: 1m / 39"



SYMMETRICAL 4000K

ISOLUX Grid: 10m / 32.8ft x 10m / 32.8ft
Illuminance Value: (lux)
Height: 1m / 39"



Example of clients using our lighting



CLIMATE READY

Design-Driven Solutions For The Challenges Of Climate Change



73 SBL2 SERIES SOLAR BOLLARD LIGHTS INSTALLED ALONG FLOOD PLAIN



TWO MAJOR FLOODS HAVE COMPLETELY SUBMERSED ALL THESE SOLAR BOLLARD LIGHTS



FLOOD WATERS RECEDE ALL 73 SBL2 SERIES SOLAR BOLLARD LIGHTS WERE FUNCTIONAL

BUCHAN CAVE RESERVE - PARKS VICTORIA

The (Solar Bollard) lights down on the river flat are working amazingly, they have even been fully submerged by 2 floods and still all good.

“I’d definitely recommend these lights in high environmental risk areas.”

Jordan Gardiner | Ranger Team Leader

Current Distributor Network Locations

Australia - Pole Fabrication
Bahamas
Caribbean
Canada
Chile
Croatia
Germany

Guam
Hong Kong
Italy
Japan
Morocco
New Zealand - Pole Fabrication
Papua New Guinea

Singapore
Spain
St Lucia
South Pacific Islands
United Arab Emirates – GCC
United Kingdom - Pole Fabrication
U.S.A - Pole Fabrication “Soon”

GCC Reseller Locations

UAE - Abu Dhabi - Pole Fabrication
Saudi Arabia - Jeddah
Oman - Muscat
Qatar - Doha
Bahrain - Manama
Kuwait - Kuwait City

