



**Solar
Bollard**
Lighting



**GOOD
DESIGN
AWARD®**
GOLD WINNER

SBL2 Series Range

www.solarbollardlighting.com



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, 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. With various power models also 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 submersible
- IK10 Certified can withstand impact from floating/flying debris & vandalism
- Isolated from power outages for continuous illumination
- Up to 70% more real autonomy than competitors at full power
- 10 Year Australian manufacturer product and performance warranty
- 100% Recyclable Product

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 PC (UV Stabilised)
- **Internal Materials** ASA
- **LED Chips** 8 x 5mm Piranha LED Super Bright
 - Asymmetrical Light Distribution
4000K +/- (Natural White) / 3000K +/- (Warm White)
 - Symmetrical Light Distribution
4000K +/- (Natural White) / 3000K +/- (Warm White)
- **Voltage** 3.2V (ELV intrinsically safe no UL certification required for USA)
- **Operate Temp** -30°C ~ +60°C external 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

Electronics



- **Design Life** 10 Years + (expected minimum)
- **Runtime** Dusk until Dawn full power
- **On/Off** Solar Panel Voltage

Poles

- **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



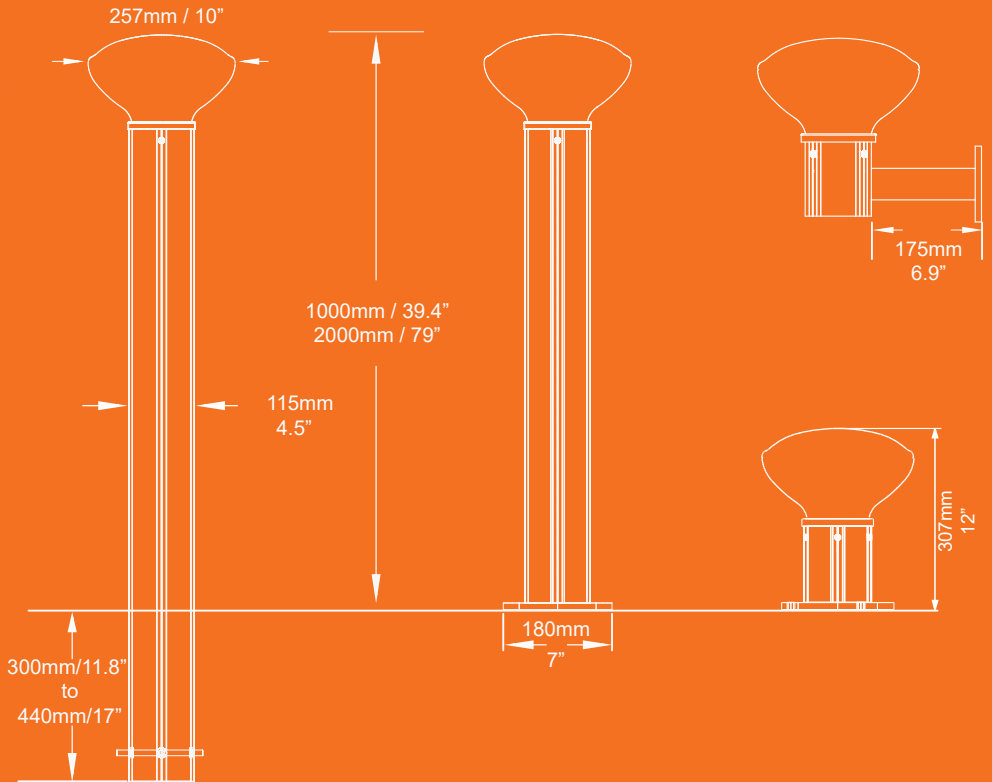
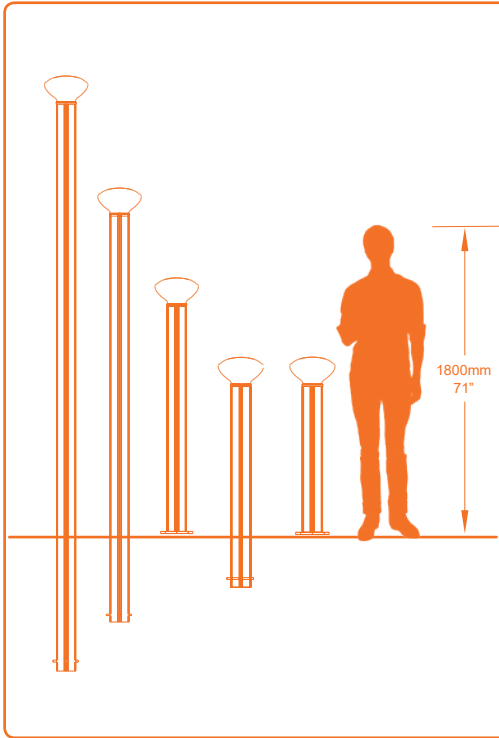
Minimal
Maintenance



100%
Recyclable

SBL2 Series S Model

Solar Powered LED Bollard



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

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-		-	

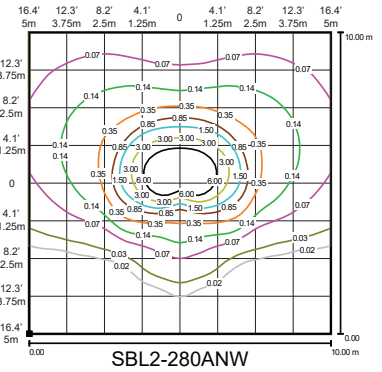
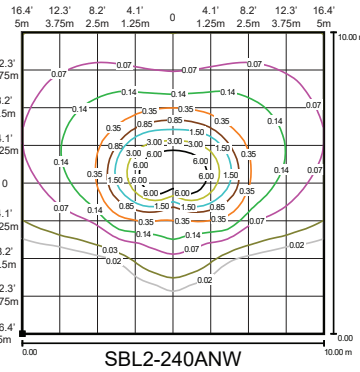
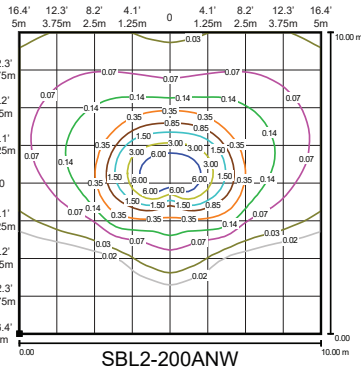
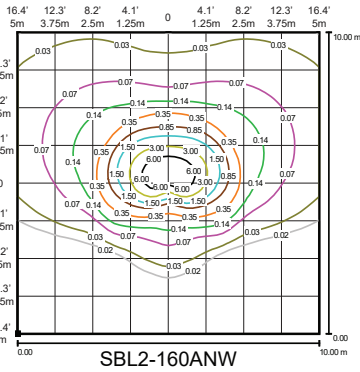
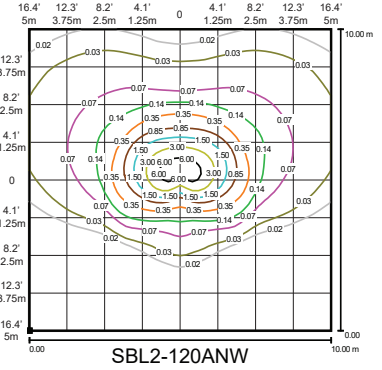
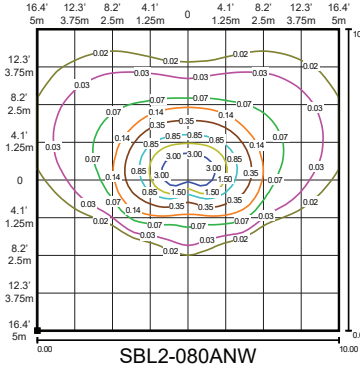
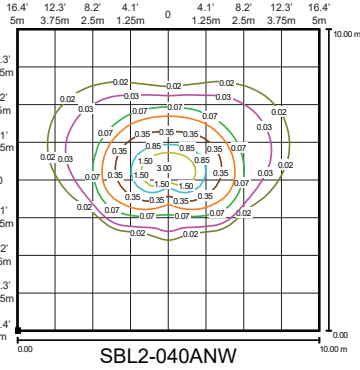
Notes:

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

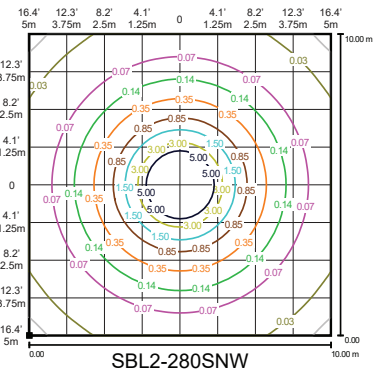
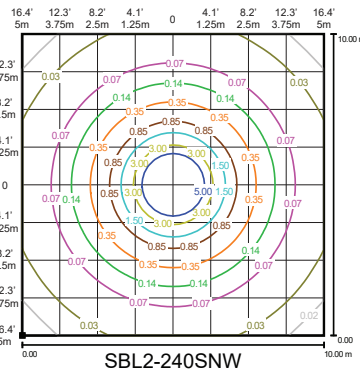
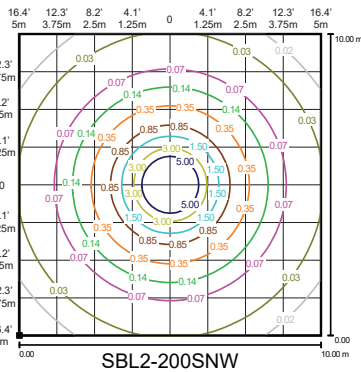
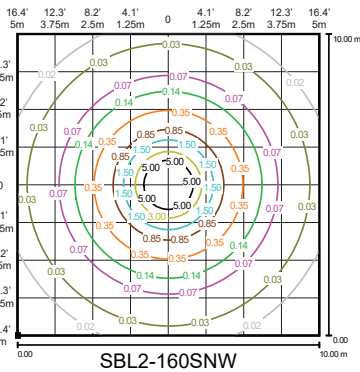
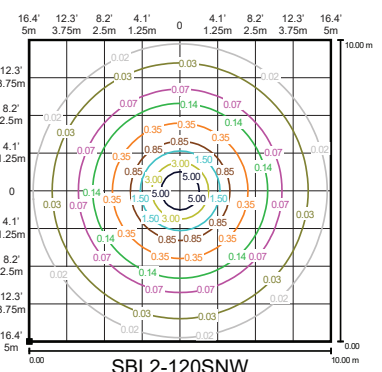
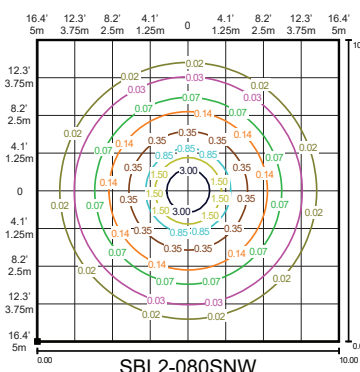
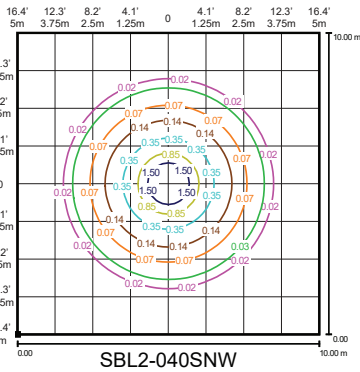


GRID = 10m / 32.8' x 10m / 32.8' All Values = Lux @ 1m / 39.4" Overall Height

ASYMMETRICAL



SYMMETRICAL





SBL2 Series SR Model



Solar Powered LED Bollard



The 3rd generation SBL2 SR Model solar powered bollard light was specifically designed to be capable of submersion (IP68) and Dark Sky Compliant for lighting of Pathways, Driveways, 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 also 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 submersible
- Fully Dark Sky Compliant
- Isolated from power outages for continuous illumination
- Up to 70% more real autonomy than competitors at full power
- 10 Year Australian manufacturer product and performance warranty
- 100% Recyclable Product

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 PC (UV Stabilised)
■ Internal Materials	ASA
■ External Reflector	Stainless Steel powder coated
■ LED Chips	8 x 5mm Piranha LED Super Bright - Asymmetrical Light Distribution 4000K +/- (Natural White) / 3000K +/- (Warm White) - Symmetrical Light Distribution 4000K +/- (Natural White) / 3000K +/- (Warm White)
■ Voltage	3.2V (ELV intrinsically safe no UL certification required for USA)
■ Operate Temp	-30°C ~ +60°C external 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	<ul style="list-style-type: none"> – 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

Electronics



- **Design Life** 10 Years + (expected minimum)
- **Runtime** Dusk until Dawn full power
- **On/Off** Solar Panel Voltage

Poles

- **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

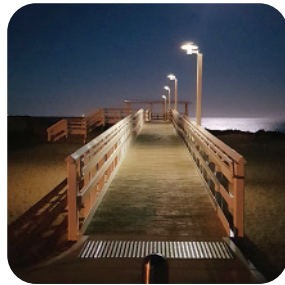
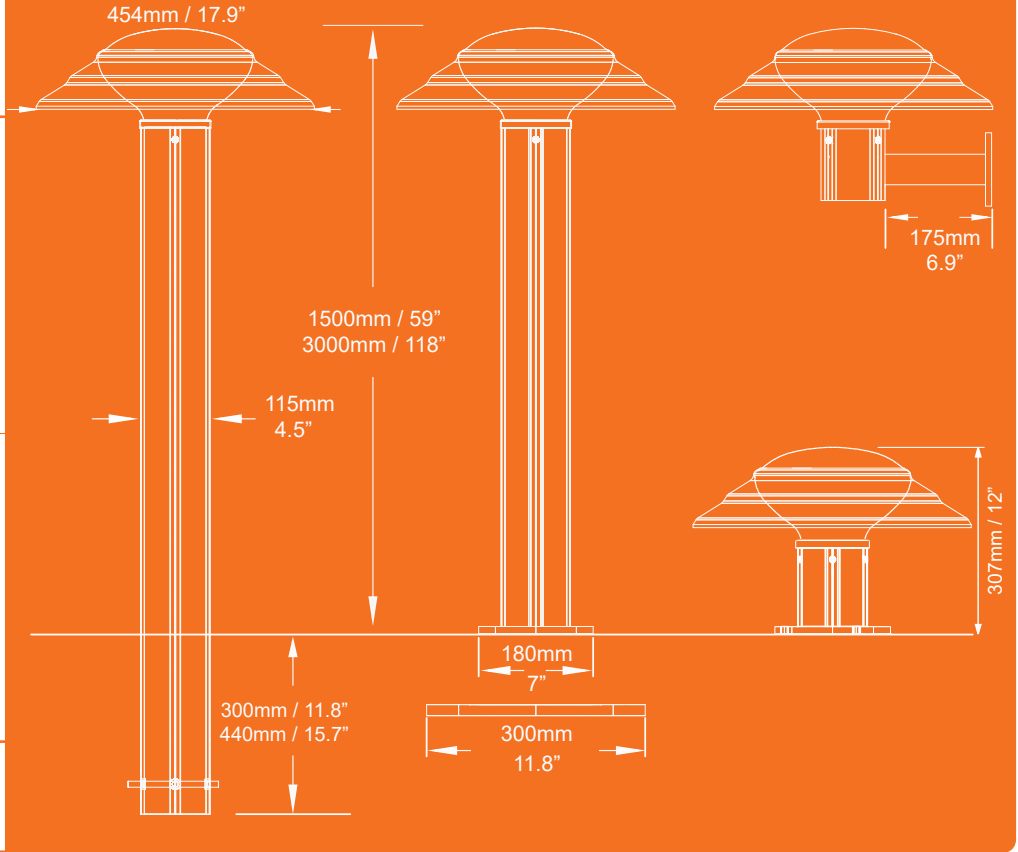
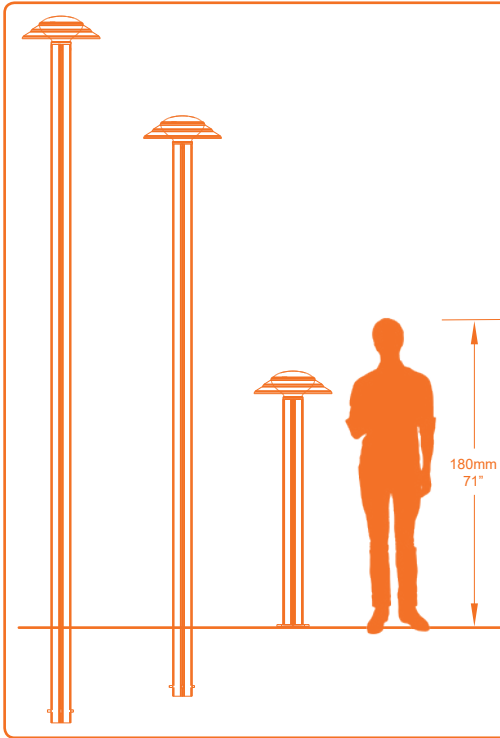


100%
Recyclable



SBL2 Series SR Model

Solar Powered LED Bollard



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 Minimum Charge Loading Added on top of total cost)
200 - 200mA		-1340BP	1340mm/53"	1500mm / 59"	
240 - 240mA	LED DESCRIPTION ANW - Asymmetrical (180°) 4300K +/- LED SNW - Symmetrical (360°) 4300K +/- LED AWW - Asymmetrical (180°) 3000K +/- LED SWW - Symmetrical (360°) 3000K +/- LED	-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"	
		-2340BP	2340mm/92"	2500mm / 98.4"	
		-3040DB	3040mm/118.8"	2500mm / 98.4"	
		-2840BP	2840mm/111.8"	3000mm / 118"	
		-3640DB	3640mm/143"	3000mm / 118"	

MOUNTING CODE DESCRIPTION
WM - Wall Mount Bracket
DB - Direct Bury
BP - Base Plate

Ordering Example :

SBL2-160ANW-SR-3640DBPC = 160mA Asymmetrical Natural White Light with SR Reflector on 3640mm Black Powder Coated Direct Bury Pole

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

Notes:

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

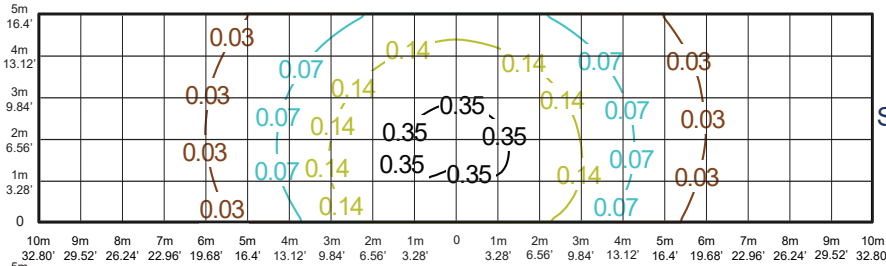


SBL2 Series SR Model

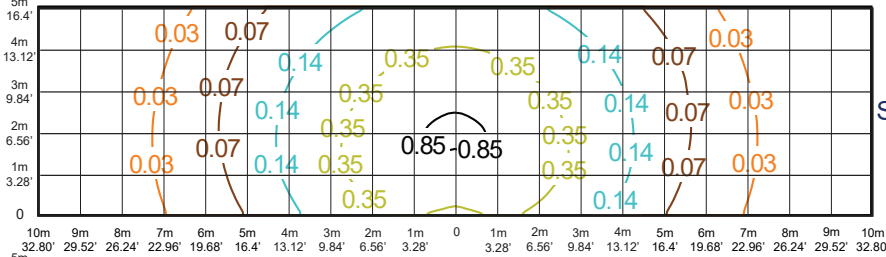
Solar Powered LED Bollard

GRID = 20m / 65.61' x 5m / 16.4'
All Values = Lux @ 3m / 9.84' Overall Height

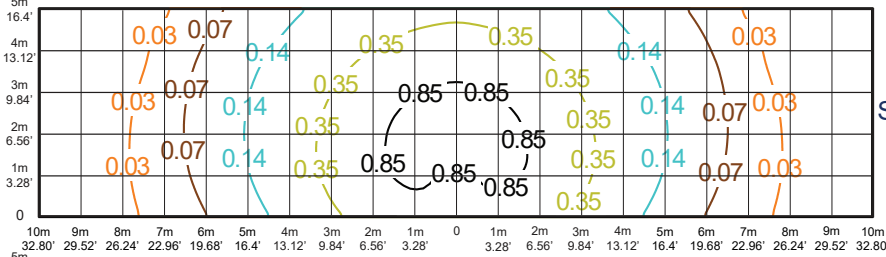
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(IES files available)



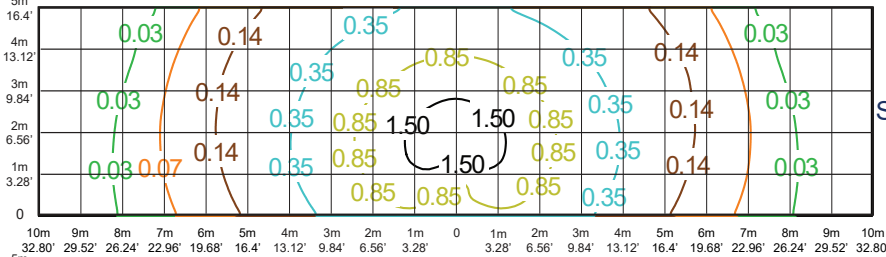
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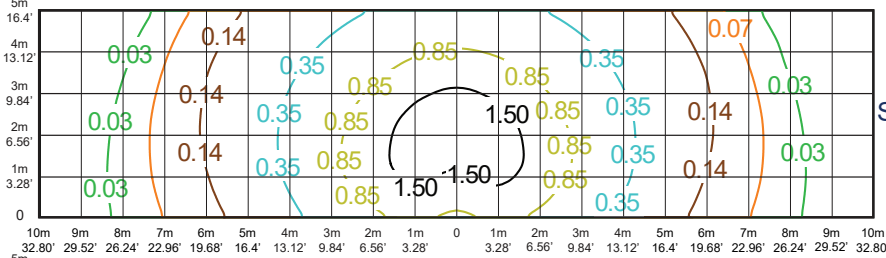
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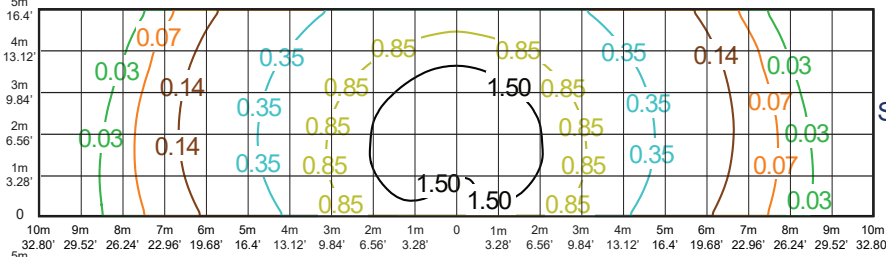
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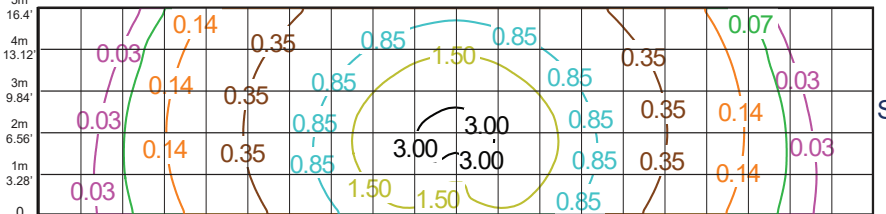
SBL2-160ANW-SR



SBL2-200ANW-SR



SBL2-240ANW-SR



SBL2-280ANW-SR



SBL2 Series 2OH Model



Solar Powered LED Bollard



The 3rd generation SBL2 SR Model solar powered bollard light was specifically designed to be capable of submersion and optional)Dark Sky Compliant for lighting of Pathways, Driveways, 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 also 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 submersible
- IK10 Certified can withstand impact from floating/flying debris & vandalism
- Isolated from power outages for continuous illumination
- Up to 70% more real autonomy than competitors at full power
- 10 Year Australian manufacturer product and performance warranty
- 100% Recyclable Product

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 PC (UV Stabilised)
- **Internal Materials** ASA
- **External Reflector** Stainless Steel powder coated (Optional)
- **LED Chips** 8 x 5mm Piranha LED Super Bright
 - Asymmetrical Light Distribution
 - 4000K +/- (Natural White) / 3000K +/- (Warm White)
 - Symmetrical Light Distribution
 - 4000K +/- (Natural White) / 3000K +/- (Warm White)
- **Voltage** 3.2V (ELV intrinsically safe no UL certification required for USA)
- **Operate Temp** -30°C ~ +60°C external 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

Electronics



- **Design Life** 10 Years + (expected minimum)
- **Runtime** Dusk until Dawn full power
- **On/Off** Solar Panel Voltage

Poles

- **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

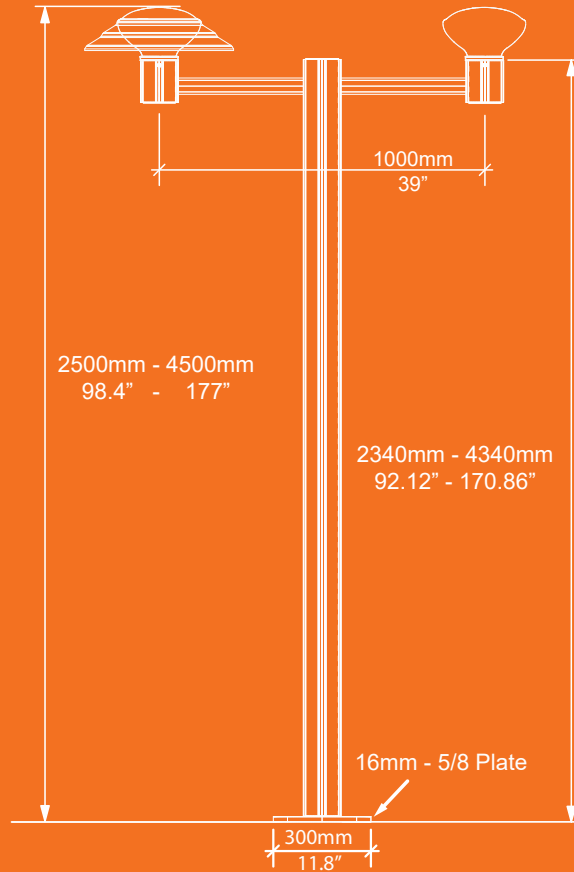
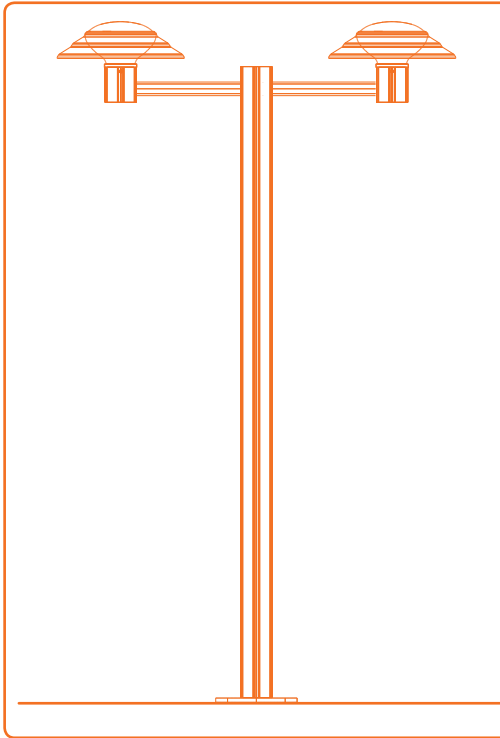


100% Recyclable



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/111.8"	3500mm / 138"	PCCC - Custom Powder Coat Colour ⁺	
200 - 200mA	LED DESCRIPTION ANW - Asymmetrical (180°) 4300K +/- LED SNW - Symmetrical (360°) 4300K +/- LED AWW - Asymmetrical (180°) 3000K +/- LED SWW - Symmetrical (360°) 3000K +/- LED	-38402BP	3840mm/151.2"	4000mm / 157.5"	From Dulux DURALLOY or ALPHATEC Colour Range <small>(under 15 poles \$200 Minimum Charge Loading Added on top of total cost)</small> ⁺ Special Order Option with longer lead time	
240 - 240mA		-43402BP	4340mm/170.9"	4500mm / 177"		
MOUNTING CODE DESCRIPTION 2BP - Base Plate		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



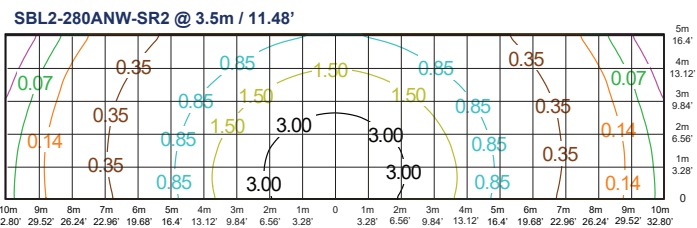
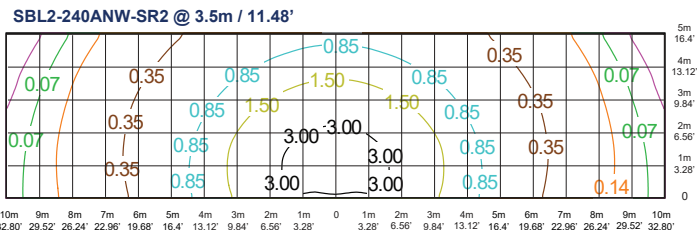
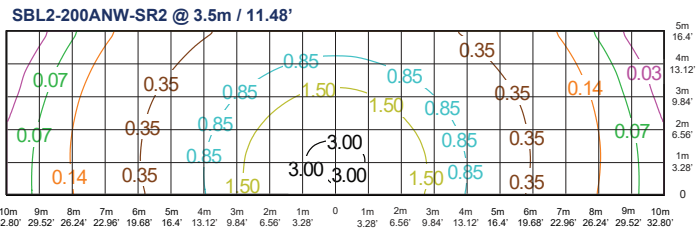
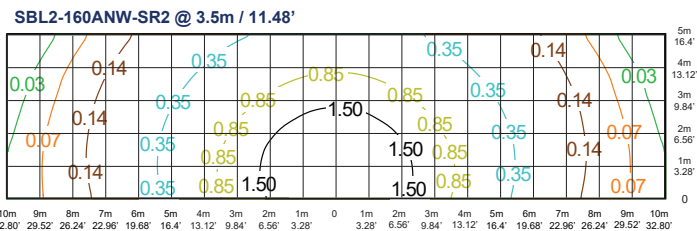
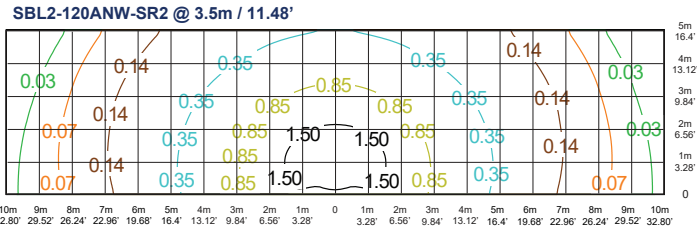
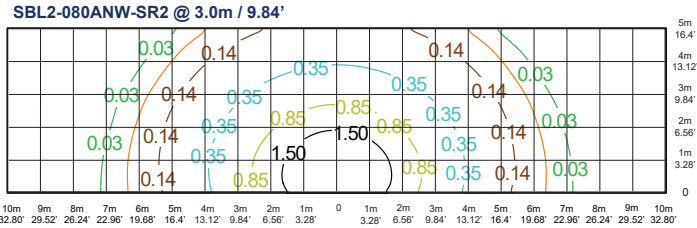
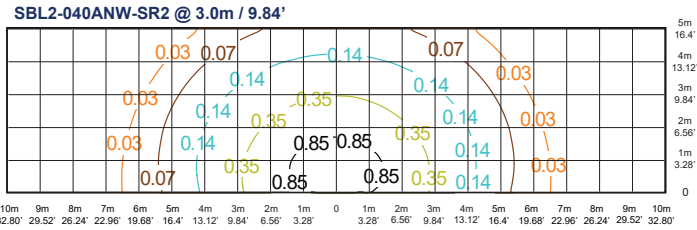
SBL2 Series 20H Model

Solar Powered LED Bollard

GRID = 20m / 65.61' x 5m / 16.4'

All Values = Lux

ISOLUX
(IES files available)





SBL2 Series 3OH Model



Solar Powered LED Bollard



The 3rd generation SBL2 SR Model solar powered bollard light was specifically designed to be capable of submersion and optional)Dark Sky Compliant for lighting of Pathways, Driveways, 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 also 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 submersible
- IK10 Certified can withstand impact from floating/flying debris & vandalism
- Isolated from power outages for continuous illumination
- Up to 70% more real autonomy than competitors at full power
- 10 Year Australian manufacturer product and performance warranty
- 100% Recyclable Product



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 3OH, 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 PC (UV Stabilised)
■ Internal Materials	ASA
■ External Reflector	Stainless Steel powder coated (Optional)
■ LED Chips	8 x 5mm Piranha LED Super Bright - Asymmetrical Light Distribution 4000K +/- (Natural White) / 3000K +/- (Warm White) - Symmetrical Light Distribution 4000K +/- (Natural White) / 3000K +/- (Warm White)
■ Voltage	3.2V (ELV intrinsically safe no UL certification required for USA)
■ Operate Temp	-30°C ~ +60°C external 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	<ul style="list-style-type: none"> – 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

Electronics



- **Design Life** 10 Years + (expected minimum)
- **Runtime** Dusk until Dawn full power
- **On/Off** Solar Panel Voltage

Poles

- **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

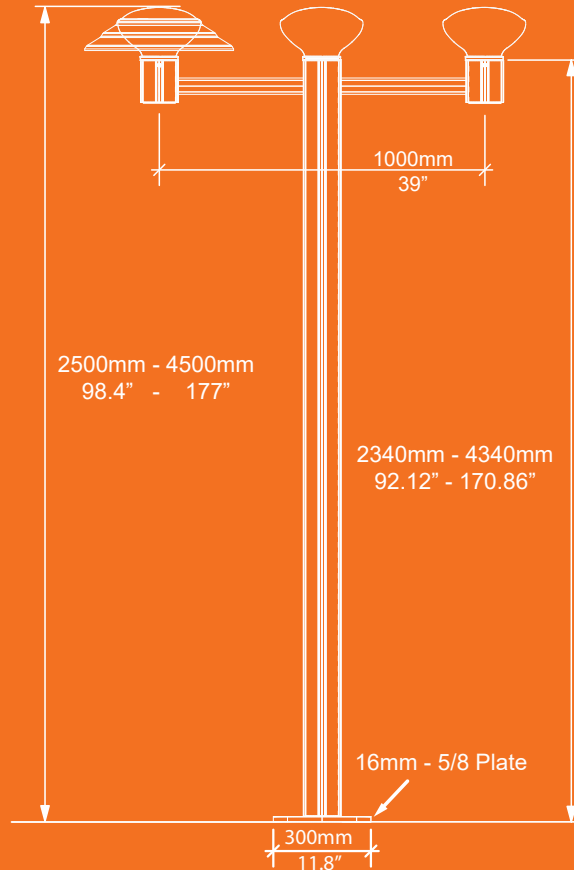
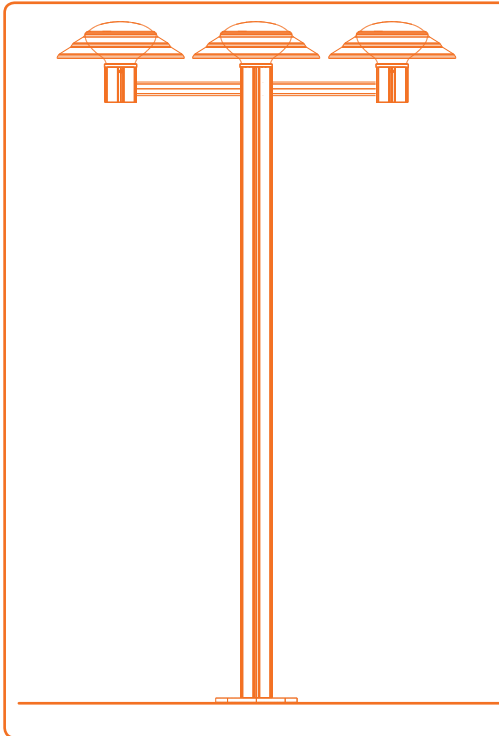


100%
Recyclable



SBL2 Series 3OH Model

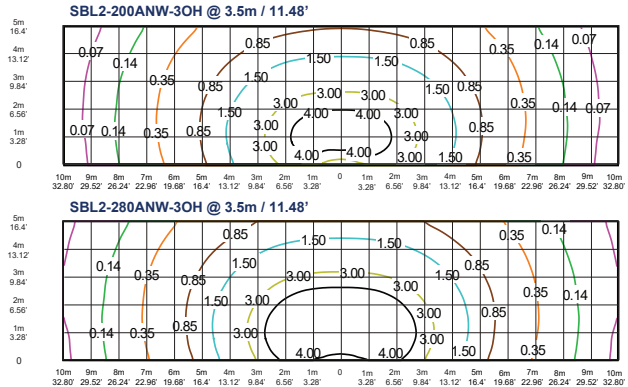
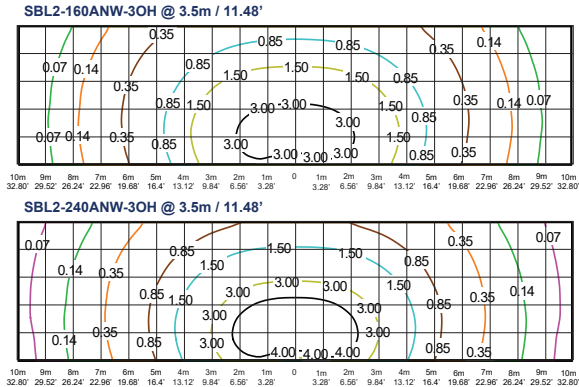
Solar Powered LED Bollard



PHOTOMETRIC (IES files available)

GRID = 20m / 65.61' x 5m / 16.4'

All Values = Lux



ORDER MATRIX

Power Model	LED Configuration	Mount Code	Dimension	Installed Height with Light Attached	Pole Finish Options
040 - 40mA	ANW	-23403BP	2340mm/92"	2500mm / 98.4"	A - 25um Anodised - Clear (Silver Colour)
080 - 80mA	SNW	-30403BP	3040mm/118.8"	2500mm / 98.4"	AB - 25um Anodised - Ebony (Near Black) ⁺
120 - 120mA	AWW	-28403BP	2840mm/111.8"	3000mm / 118"	PC - Black Satin 27219268 (Default Colour)
160 - 160mA	SWW	-33403BP	3340mm/111.8"	3500mm / 138"	PCCC - Custom Powder Coat Colour ⁺ From Dulux DURALLOY or ALPHATEC Colour Range (under 15 poles \$200 Minimum Charge Loading Added on top of total cost) ⁺ Special Order Option with longer lead time
200 - 200mA	LED DESCRIPTION ANW - Asymmetrical (180°) 4300K +/- LED SNW - Symmetrical (360°) 4300K +/- LED AWW - Asymmetrical (180°) 3000K +/- LED SWW - Symmetrical (360°) 3000K +/- LED	-38403BP	3840mm/151.2"	4000mm / 157.5"	
240 - 240mA		-43403BP	4340mm/170.9"	4500mm / 177"	
280 - 280mA		MOUNTING CODE DESCRIPTION 2BP - Base Plate SR - for adding on reflector to light heads			

Ordering Example :

SBL2-200ANW-SR-33403BP = Triple Light 200mA Asymmetrical Natural White Light with SR Reflector on 3340mm Black Powder Coated Base Plate Pole

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

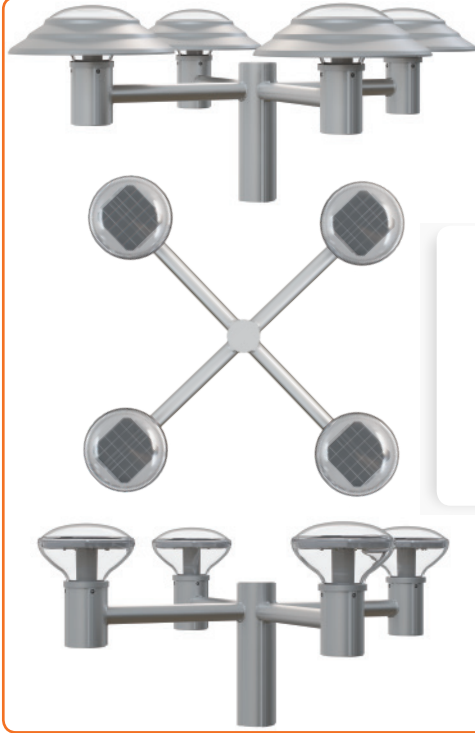
Notes:
 - Specifications subject to change without notice
 - All light levels in lux



SBL2 Series 4OH Model



Solar Powered LED Bollard



The 3rd generation SBL2 4OH Model solar powered bollard light was specifically designed to be capable for submersion (IP68) for overhead area lighting parks, playgrounds, court yards, bbq areas 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 submersible
- IK10 Certified can withstand impact from floating/flying debris & vandalism
- Isolated from power outages for continuous illumination
- Up to 70% more real autonomy than competitors at full power
- 10 Year Australian manufacturer product and performance warranty
- 100% Recyclable Product

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 4OH, 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 PC (UV Stabilised)
- **Internal Materials** ASA
- **External Reflector** Stainless Steel powder coated (Optional)
- **LED Chips** 8 x 5mm Piranha LED Super Bright
 - Asymmetrical Light Distribution
 - 4000K +/- (Natural White) / 3000K +/- (Warm White)
 - Symmetrical Light Distribution
 - 4000K +/- (Natural White) / 3000K +/- (Warm White)
- **Voltage** 3.2V (ELV intrinsically safe no UL certification required for USA)
- **Operate Temp** -30°C ~ +60°C external 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

Electronics



- **Design Life** 10 Years + (expected minimum)
- **Runtime** Dusk until Dawn full power
- **On/Off** Solar Panel Voltage

Poles

- **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



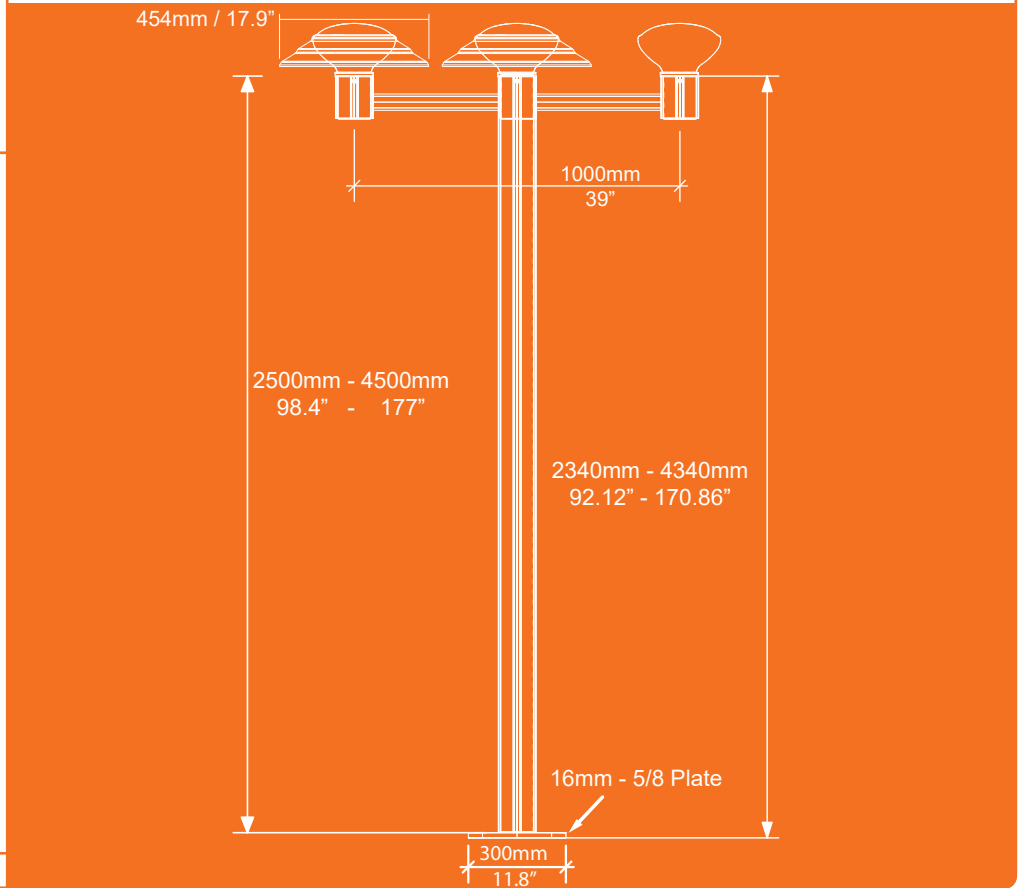
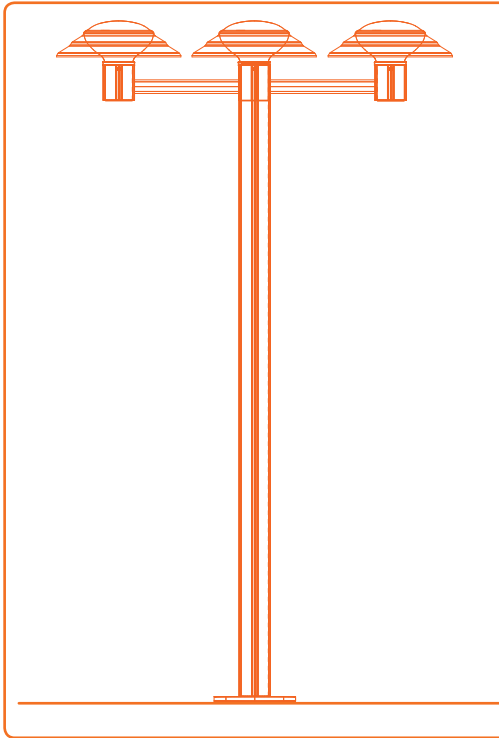
Minimal Maintenance



100% Recyclable



SBL2 Series 4OH Model



PHOTOMETRIC

(IES files available)

GRID = 20m x 20m (65.62ft x 65.62ft)

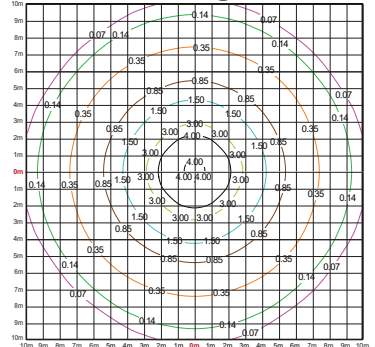
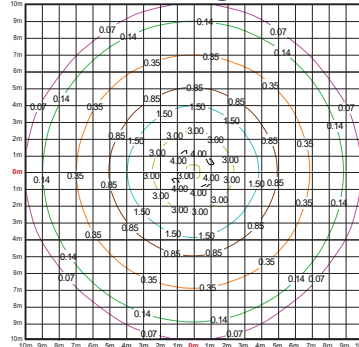
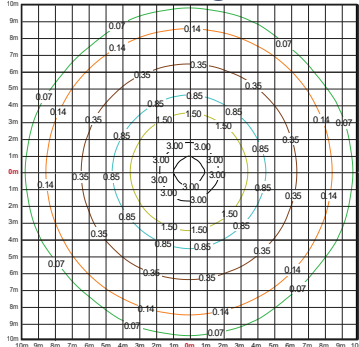
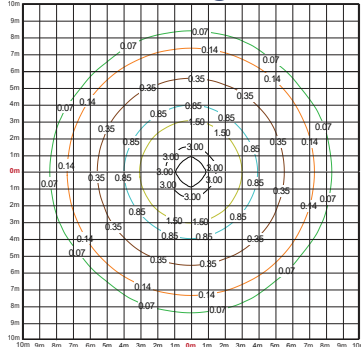
All Values = Lux

SBL2-120ANW-SR @ 3.0m / 9.84ft

SBL2-160ANW-SR @ 3.5m / 11.48ft

SBL2-200ANW-SR @ 3.5m / 11.48ft

SBL2-240ANW-SR @ 3.5m / 11.48ft



ORDER MATRIX

Power Model	LED Configuration	Mount Code	Dimension	Installed Height with Light Attached*	Pole Finish Options
040 - 40mA	ANW	-23404BP	2340mm/92"	2500mm / 98.4"	A - 25um Anodised - Clear (Silver Colour)
080 - 80mA	SNW	-30404BP	3040mm/118.8"	2500mm / 98.4"	AB - 25um Anodised - Ebony (Near Black) ⁺
120 - 120mA	AWW	-28404BP	2840mm/111.8"	3000mm / 118"	PC - Black Satin 27219268 (Default Colour)
160 - 160mA	SWW	-33404BP	3340mm/111.8"	3500mm / 138"	PCCC - Custom Powder Coat Colour ⁺
200 - 200mA	LED DESCRIPTION ANW - Asymmetrical (180°) 4300K +/- LED SNW - Symmetrical (360°) 4300K +/- LED AWW - Asymmetrical (180°) 3000K +/- LED SWW - Symmetrical (360°) 3000K +/- LED	-38404BP	3840mm/151.2"	4000mm / 157.5"	From Dulux DURALLOY or ALPHATEC Colour Range (under 15 poles \$200 Minimum Charge Loading Added on top of total cost)
240 - 240mA		-43404BP	4340mm/170.9"	4500mm / 177"	⁺ Special Order Option with longer lead time
280 - 280mA		MOUNTING CODE DESCRIPTION 4BP - Base Plate SR - for adding on reflector to light heads			

Ordering Example :

SBL2-200ANW-SR-33404BP = Quad 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