



IP68
Submersible



IK10
Vandal Resistant



No
Power Bills



Simple & Low
Install Cost



Clean Energy
Lighting



Minimal
Maintenance



Install
Yourself

SBL2 Model Range

2020

SBL2 Series S Model



Solar Powered LED Bollard

The 3rd generation SBL2 Model solar powered bollard light was specifically designed to be capable for submersion (IP68) for lighting Pathways, Driveways, Laneways, Stairways, 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 recharge fully each day.

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, 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
- **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** 7 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



IK10 Vandal Resistant



No Power Bills



Simple & Low Install Cost



Clean Energy Lighting



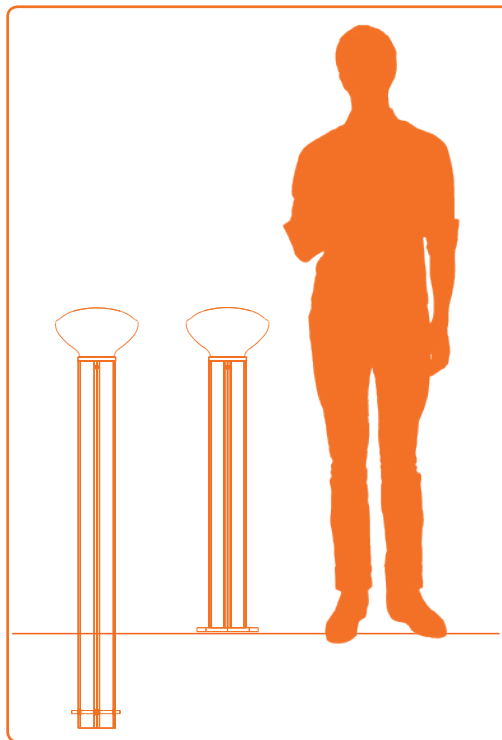
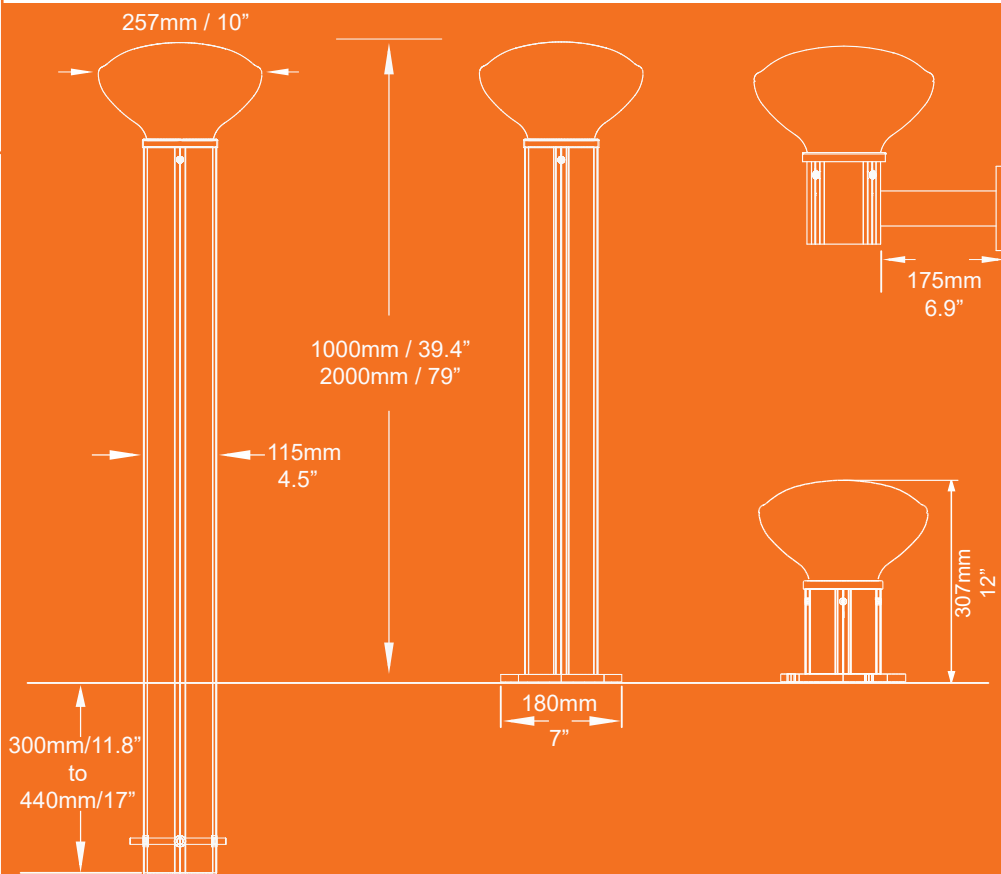
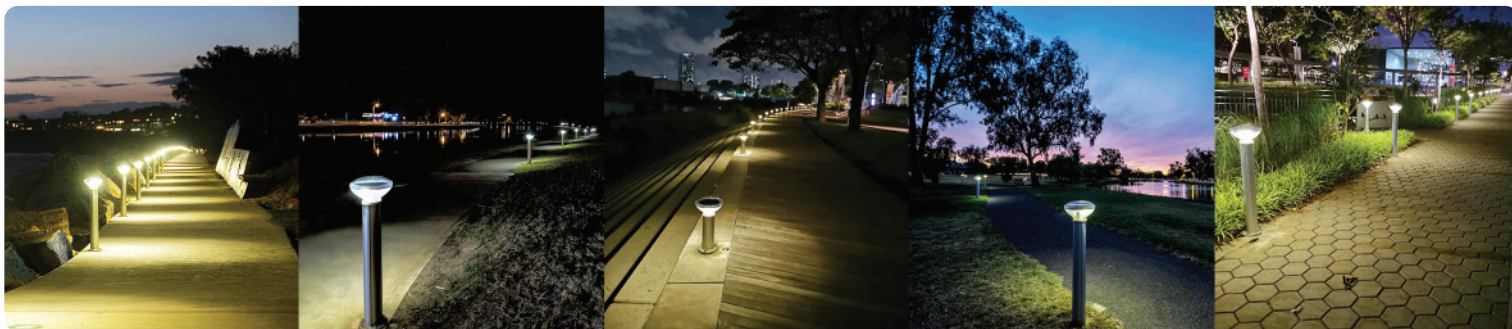
Minimal Maintenance



Install Yourself

SBL2 Series S 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) 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 Miniium Charge Loading Added on top of total cost) ⁺ Special Order Option with longer lead time
080 - 80mA	SNW	-142BP	142mm/5.6"	302mm / 11.9"	
120 - 120mA	AWW	-840BP	840mm/33"	1000mm / 39.4"	
160 - 160mA	SWW	-1140DB	1140mm/44.9"	1000mm / 39.4"	
200 - 200mA	LED DESCRIPTION ANW - Asymmetrical (180°) 4300K +/- LED SNW - Symmetrical (360°) 4300K +/- LED AWW - Asymmetrical (180°) 3000K +/- LED SWW - Symmetrical (360°) 3000K +/- LED	-1340BP	1340mm/53"	1500mm / 59"	
240 - 240mA		-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		

Ordering Example :

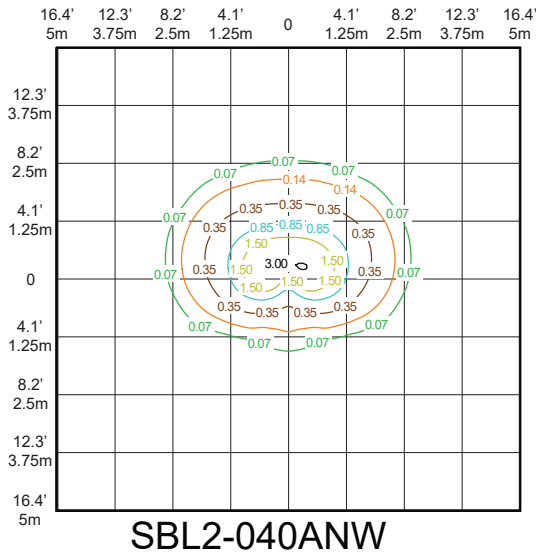
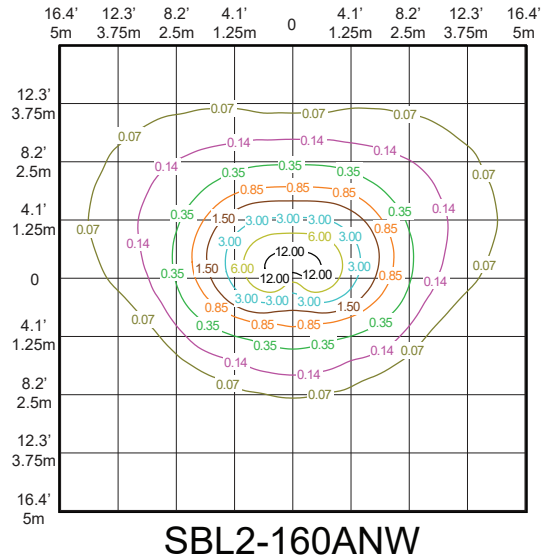
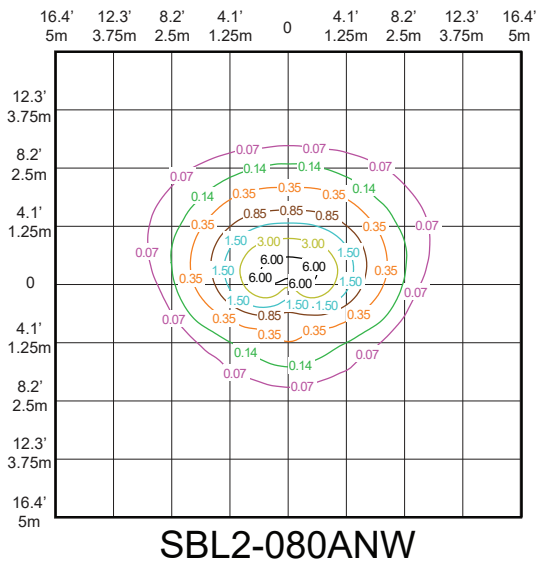
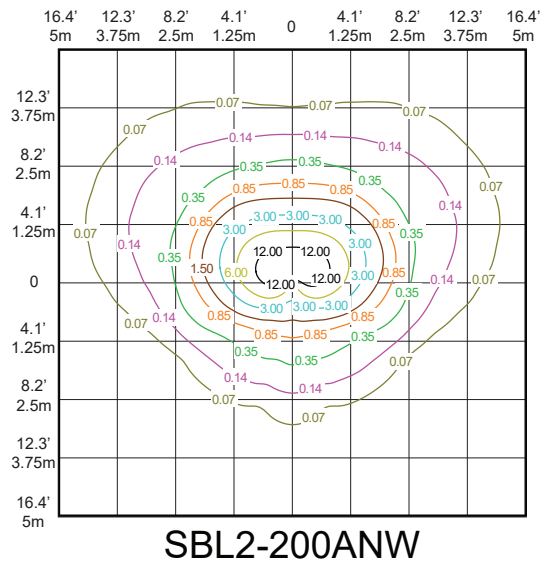
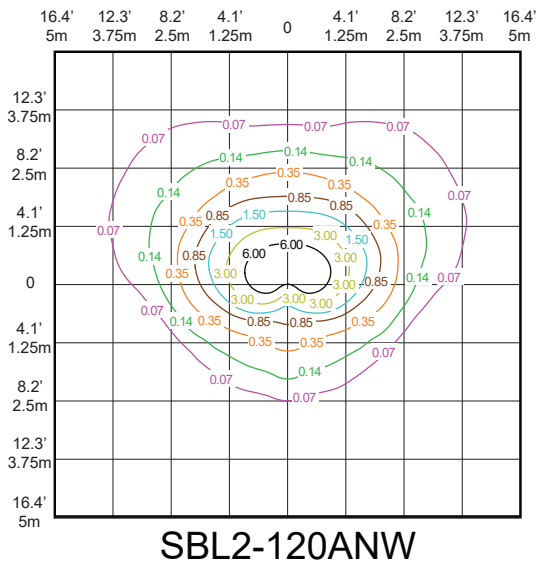
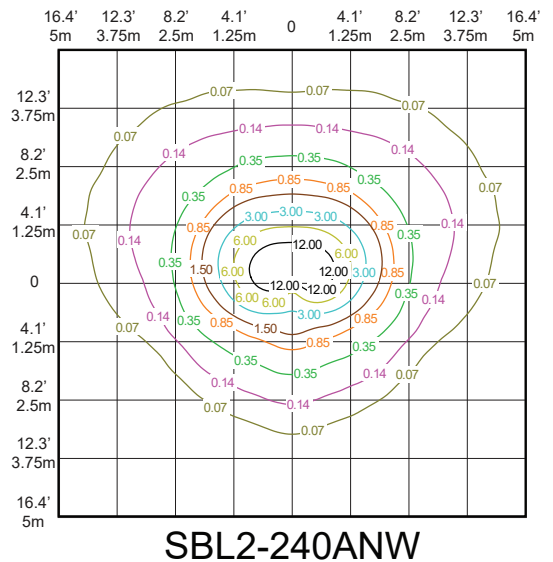
SBL2-160ANW-1140DBPC = 160mA Asymmetrical Natural White Light on 1140mm/44.9" Black Powder Coated Direct Bury Pole

Power Model	LED	Mount Code	Pole Finish Option
SBL2-		-	

Notes:

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

4300K +/- 300K LED - GRID = 10m / 32.8' x 10m / 32.8' All Values = Lux @ 1m / 40" Overall Height



SBL2 Series M Model



Solar Powered LED Bollard

The 3rd generation SBL2 M Model solar powered bollard light was specifically designed to be capable for submersion (IP68) for lighting Pathways, Marinas, Pontoons, Jetties, Floating Walkways, Boat Ramp locations where possible cyclones/hurricanes/typhoons, tsunamis, 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 recharge fully each day.

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, 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** 7 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



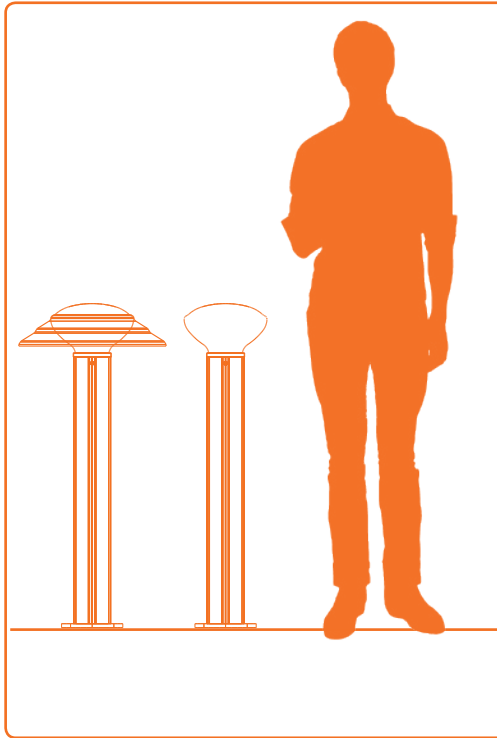
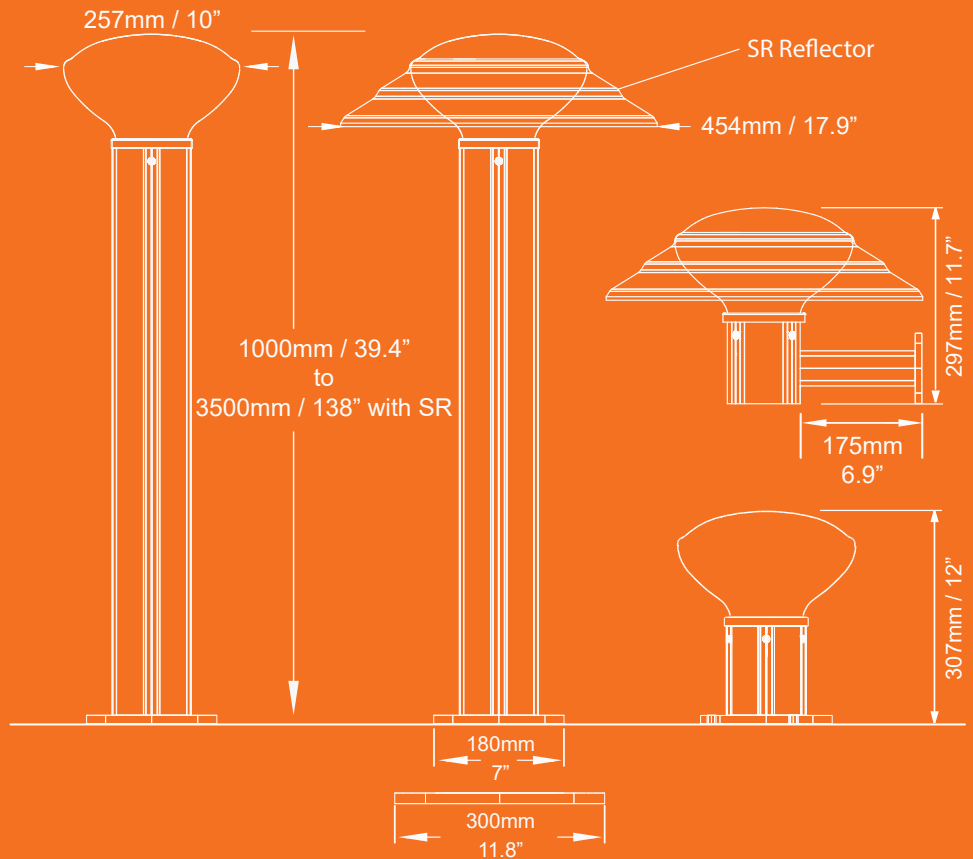
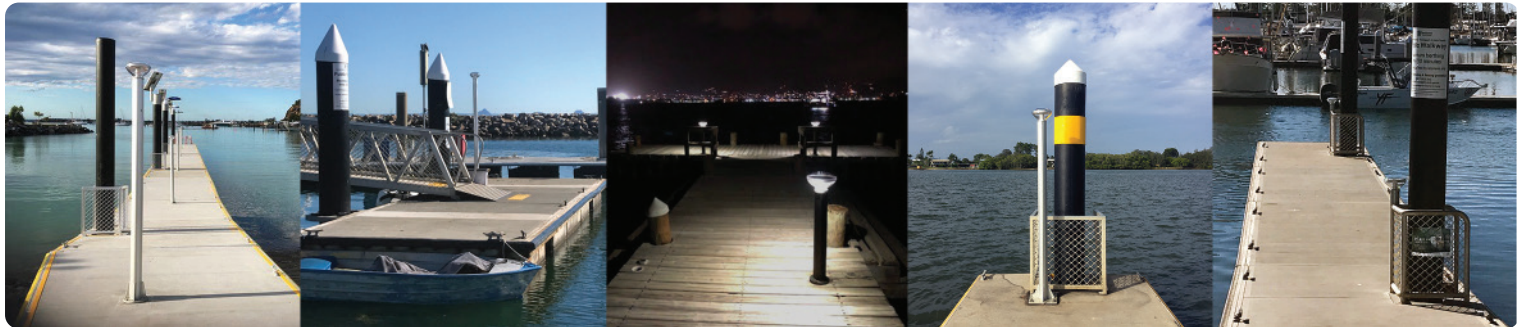
Minimal
Maintenance



Install
Yourself

SBL2 Series M 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	-130PM	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	-450BPT	450mm/17.7"	610mm / 24"	PC - Black Satin 27219268 (Default Colour)
160 - 160mA	SWW	-840BP	840mm/33"	1000mm / 39.4"	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	-1340BP	1340mm/53"	1500mm / 59"	From Dulux DURALLOY or ALPHATEC Colour Range (under 15 poles \$200 Minium Charge Loading Added on top of total cost)
240 - 240mA		-1840BP	1840mm/79"	2000mm / 79"	⁺ Special Order Option with longer lead time
280 - 280mA		-2240BPT	2240mm/88.2"	2400mm / 94.5"	MOUNTING CODE DESCRIPTION PM - Wall Mount Bracket BP - Base Plate BPT - TMR Pole Design for Pontoons and Floating Walkways SR - for adding on reflector to light heads
		-2340BP	2340mm/92"	2500mm / 98.4"	
		-2840BP	2840mm/111.8"	3000mm / 118"	
		-3340BP	3340mm/44.9"	3500mm / 138"	
		-3840BP	3840mm/151.2"	4000mm / 157.5"	

Ordering Example :

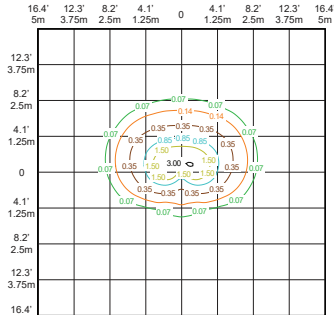
SBL2-160ANW-SR-130PMA = 160mA Asymmetrical Natural White Light with SR Reflector on 130mm 25um Anodised Pylon Mount

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

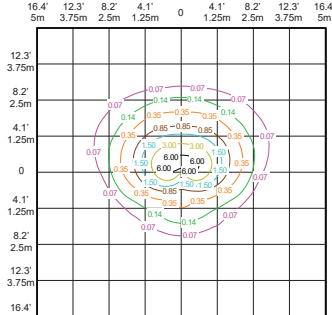
Notes:

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

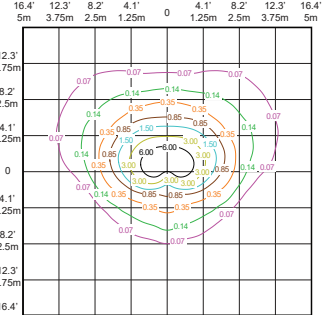
4300K +/- 300K LED - GRID = 10m / 32.8' x 10m / 32.8' All Values = Lux @ 1m / 40" Overall Height



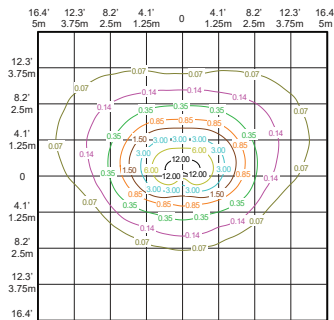
SBL2-040ANW



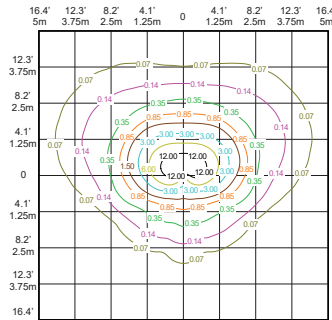
SBL2-080ANW



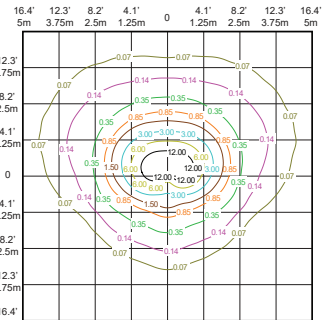
SBL2-120ANW



SBL2-160ANW

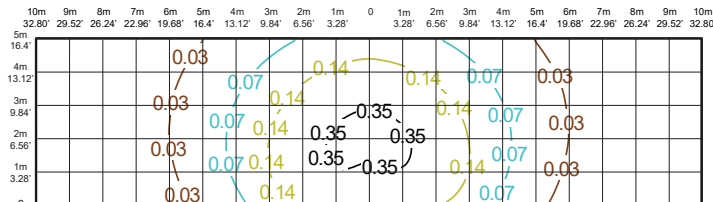


SBL2-200ANW

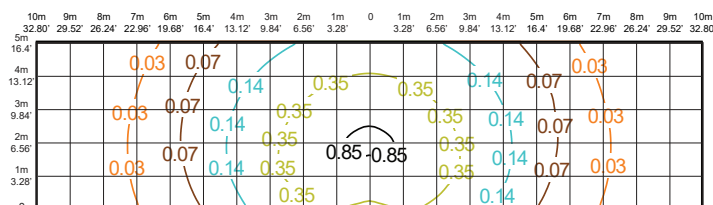


SBL2-240ANW

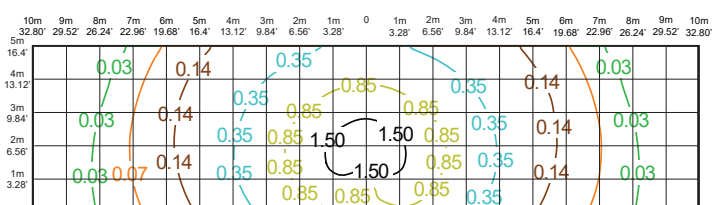
GRID = 20m / 65.61' x 5m / 16.4' All Values = Lux @ 3m / 9.84' Overall Height



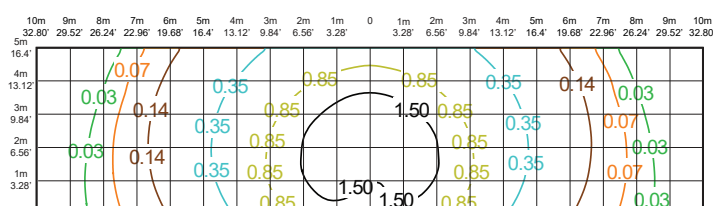
SBL2-040ANW-SR



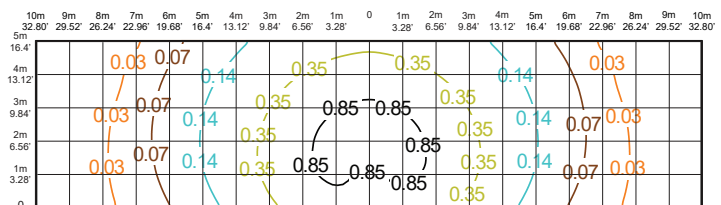
SBL2-080ANW-SR



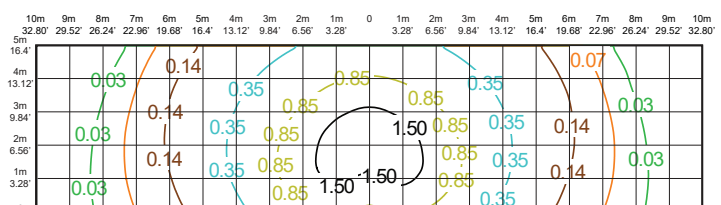
SBL2-160ANW-SR



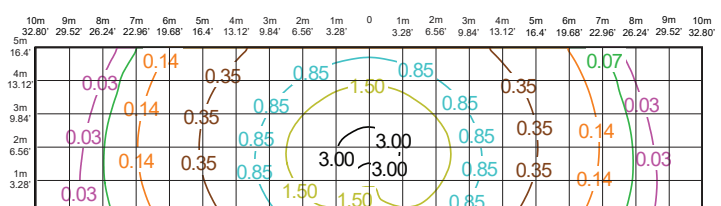
SBL2-240ANW-SR



SBL2-120ANW-SR



SBL2-200ANW-SR



SBL2-280ANW-SR

SBL2 Series SR Model



Solar Powered LED Bollard

The 3rd generation SBL2 SR Model solar powered bollard light was specifically designed to be capable for submersion (IP68) for lighting Pathways, Driveways, Laneways, Stairways 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 recharge fully each day.



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, 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
■ 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	7 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 + (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



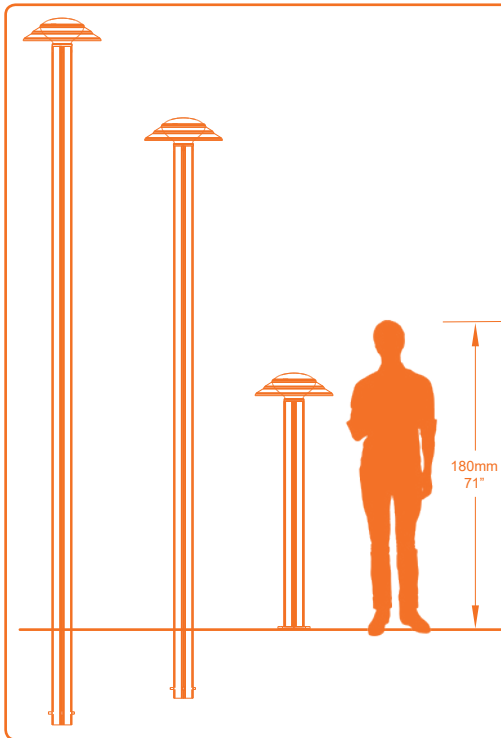
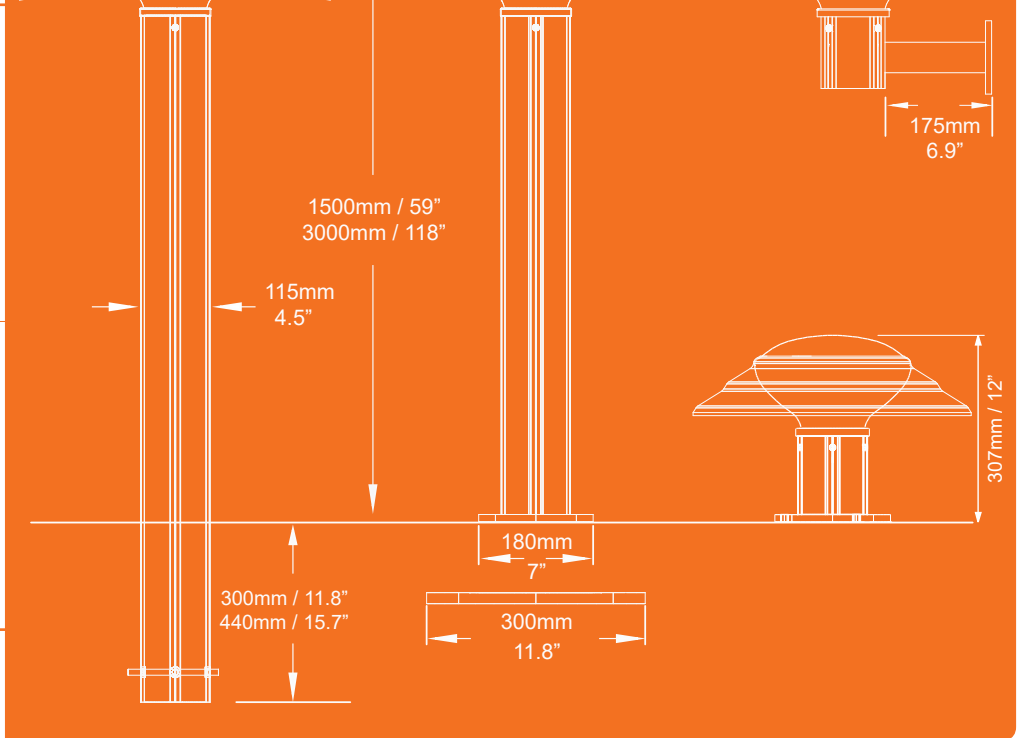
Minimal
Maintenance



Install
Yourself

SBL2 Series 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 ⁺
200 - 200mA	LED DESCRIPTION ANW - Asymmetrical (180°) 4300K +/- LED SNW - Symmetrical (360°) 4300K +/- LED AWW - Asymmetrical (180°) 3000K +/- LED SWW - Symmetrical (360°) 3000K +/- LED	-1340BP	1340mm/53"	1500mm / 59"	From Dulux DURALLOY or ALPHATEC Colour Range (under 15 poles \$200 Minium Charge Loading Added on top of total cost)
240 - 240mA		-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:

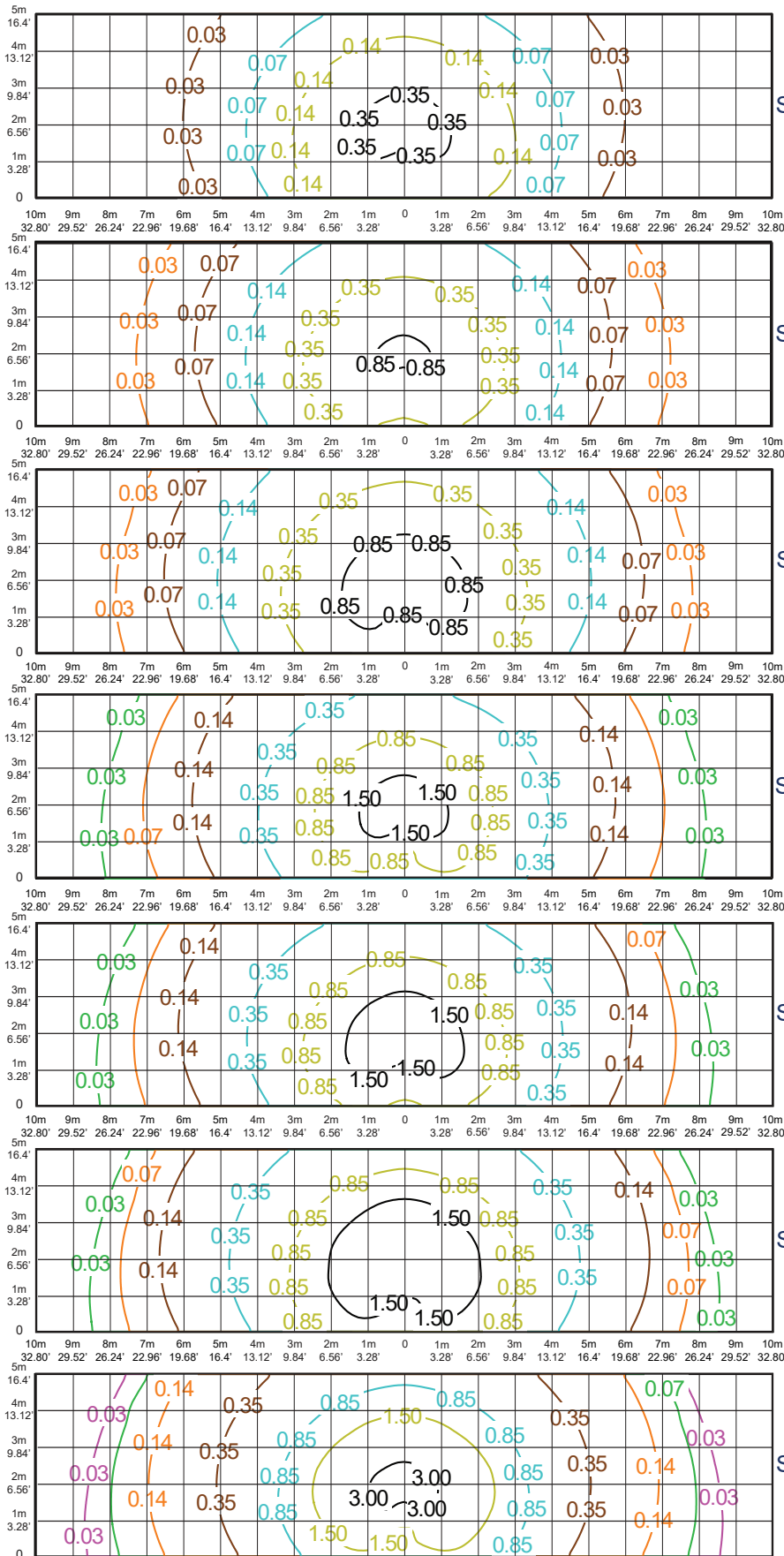
- Specifications subject to change without notice
- All light levels in lux

SBL2 Series SR Model

Solar Powered LED Bollard

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

ISOLUX
 (IES files available)



SBL2-040ANW-SR

SBL2-080ANW-SR

SBL2-120ANW-SR

SBL2-160ANW-SR

SBL2-200ANW-SR

SBL2-240ANW-SR

SBL2-280ANW-SR

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** 7 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



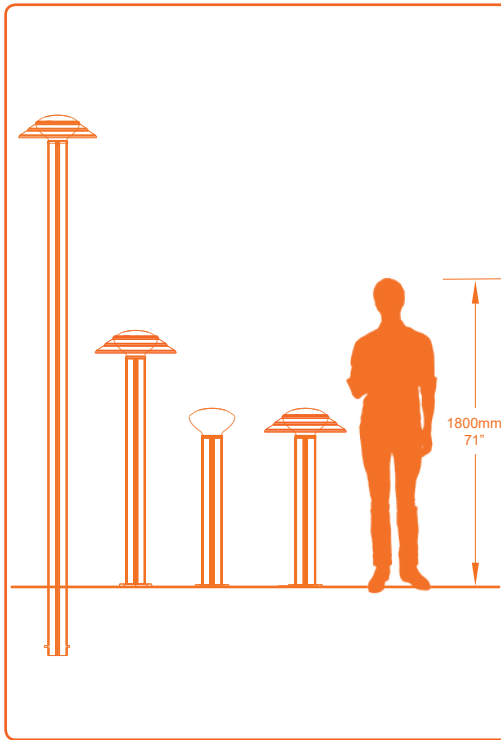
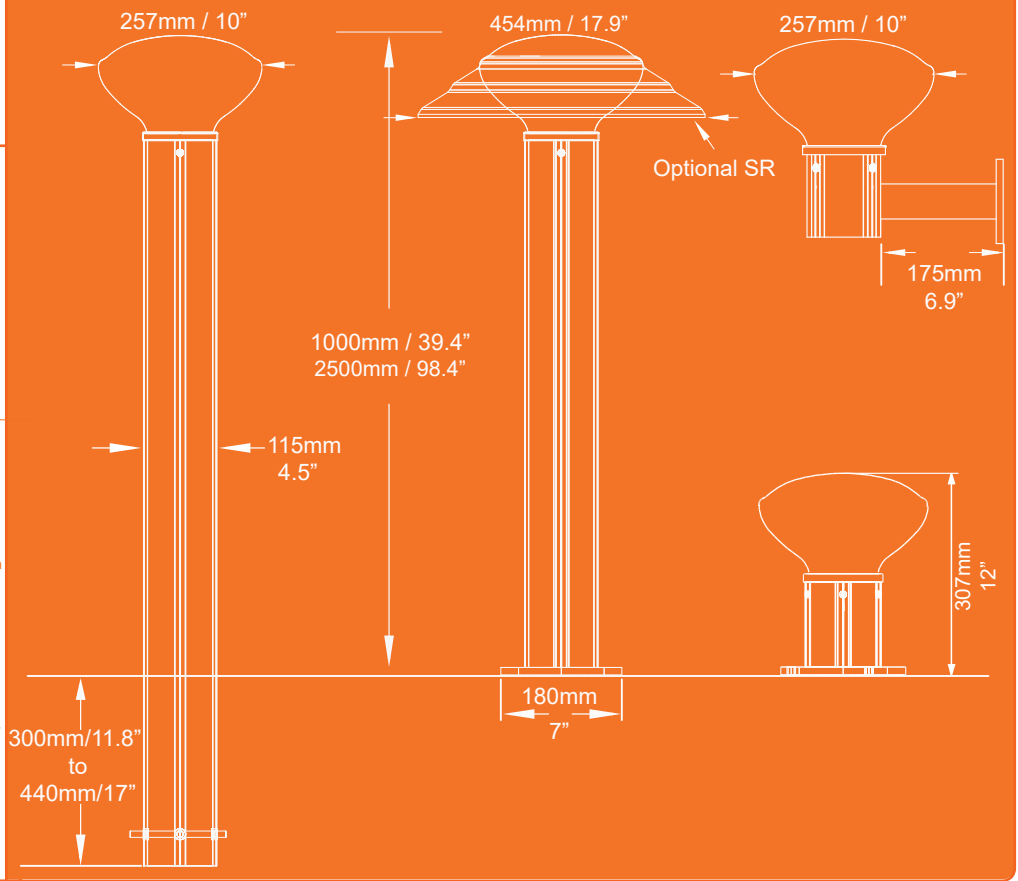
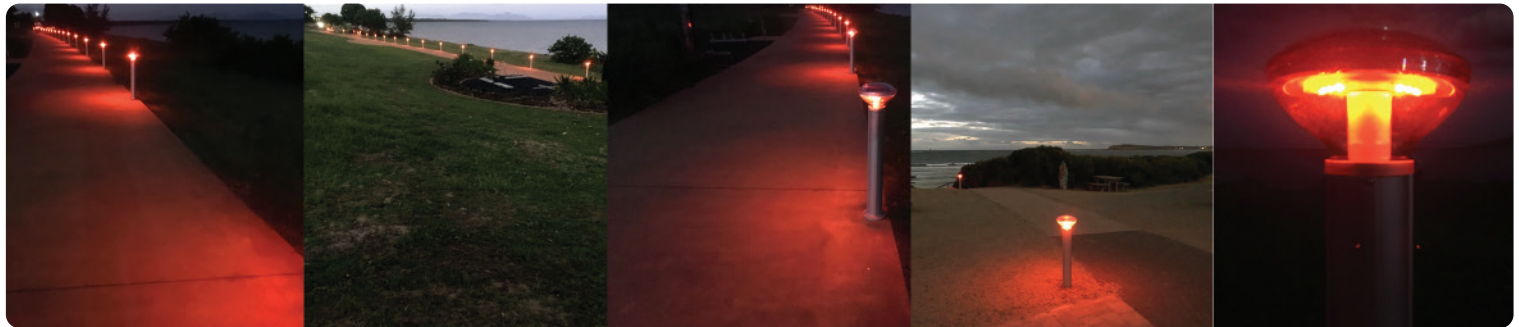
Clean Energy Lighting



Minimal Maintenance

SBL2 Series WLF Model

Solar Powered LED Bollard



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 :

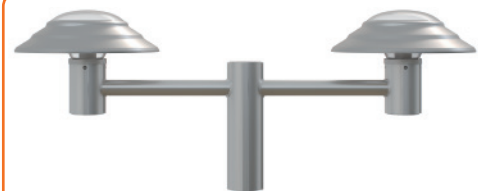
SBL2-160AA-1140DBPC = 160mA Asymmetrical Amber/Red Light on 1140mm/44.9" Black Powder Coated Direct Bury Pole

SBL2- - -

Notes:

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

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** 7 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



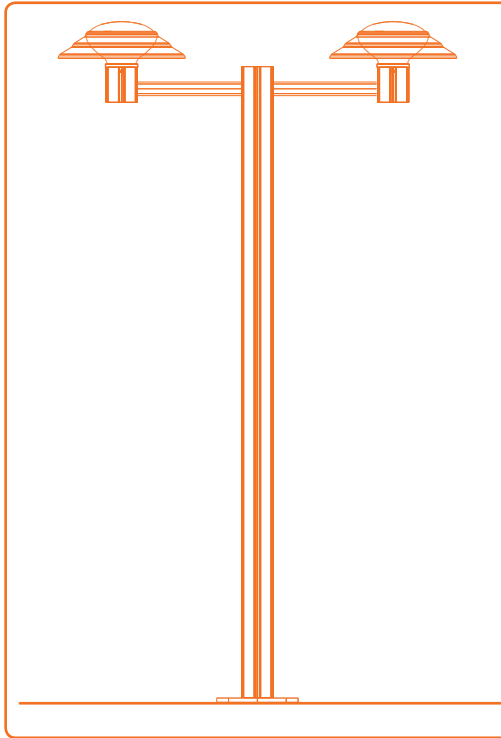
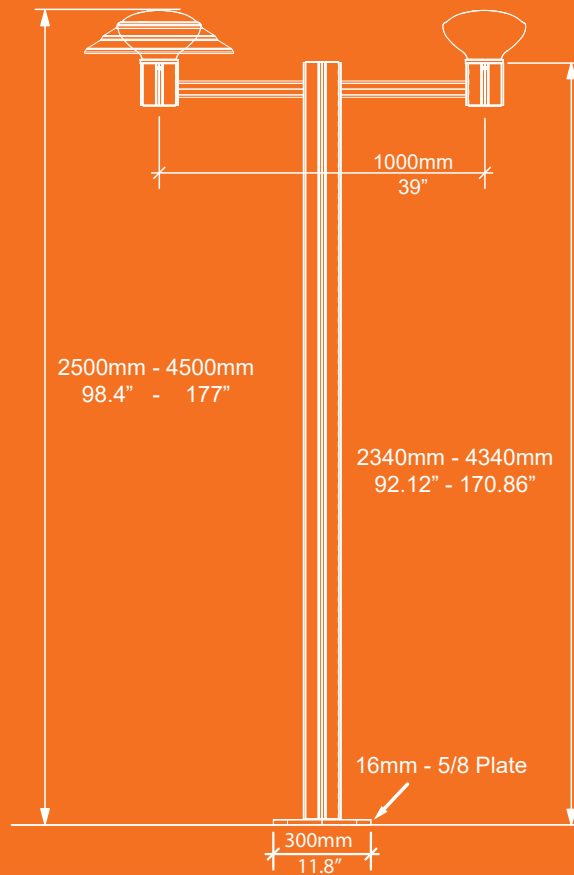
Minimal Maintenance



Install Yourself

SBL2 Series 20H Model

Solar Powered LED Bollard



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 :

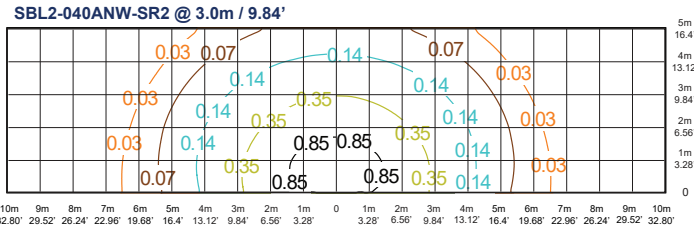
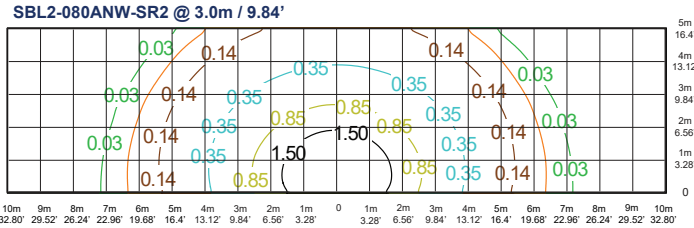
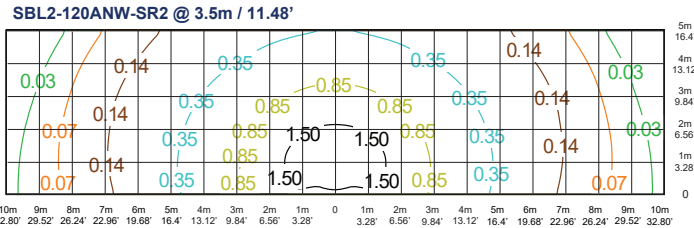
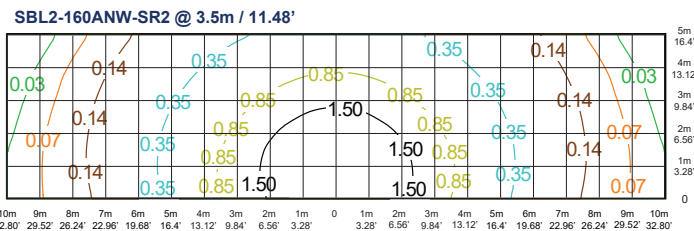
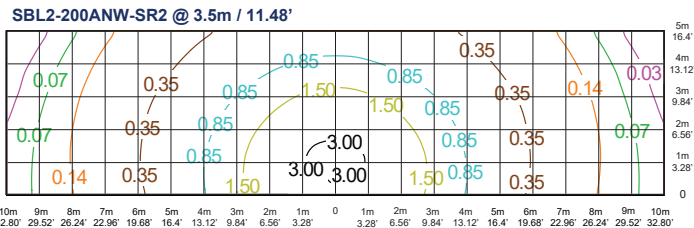
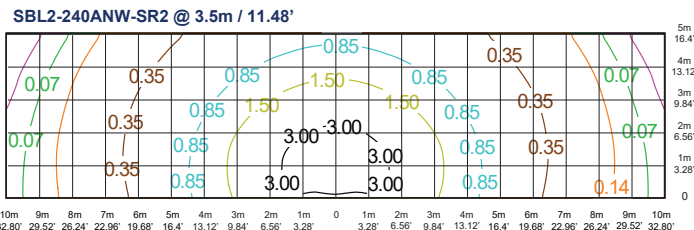
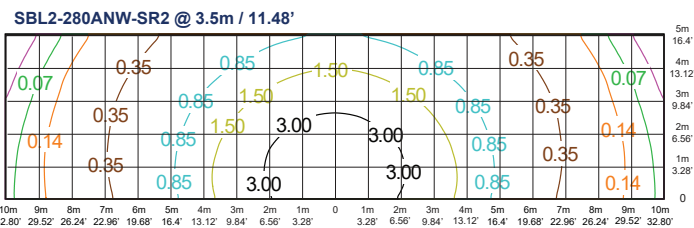
SBL2-200ANW-SR-33402BP = Dual Light 200mA Asymmetrical Natural White Light with SR Reflector on 3340mm Black Powder Coated Base Plate Pole

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 Series 3OH Model



Solar Powered LED Bollard



The 3rd generation SBL2 3OH 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 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 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	7 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 + (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



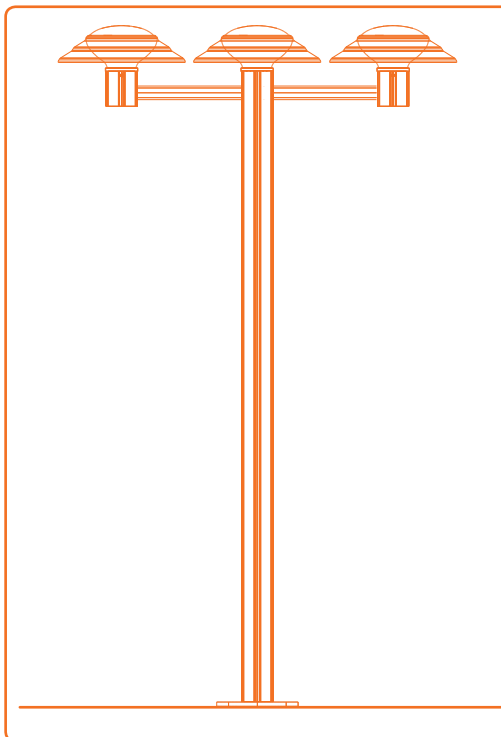
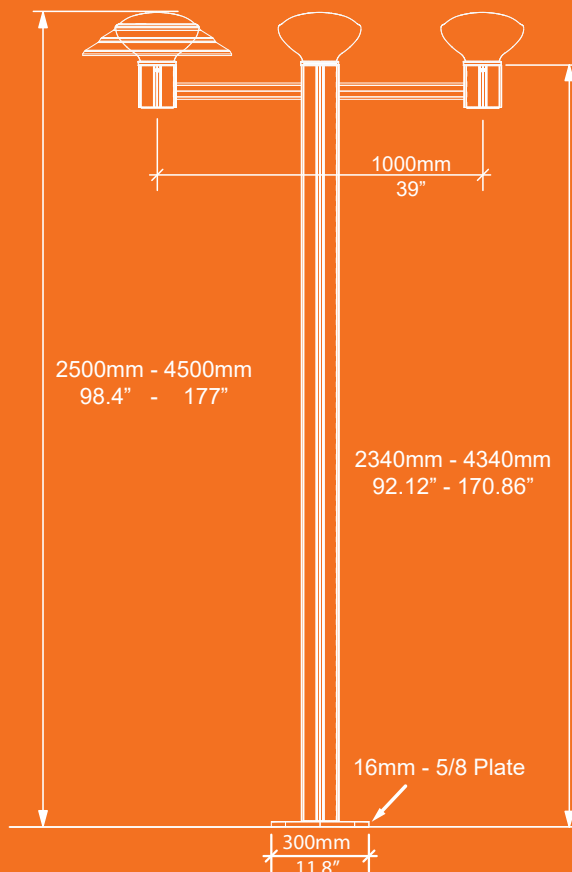
Minimal
Maintenance



Install
Yourself

SBL2 Series 3OH Model

Solar Powered LED Bollard

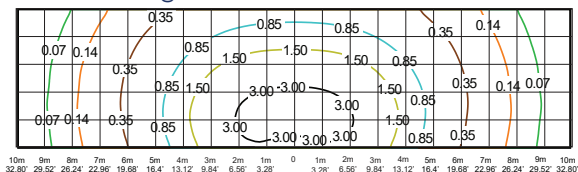


PHOTOMETRIC (IES files available)

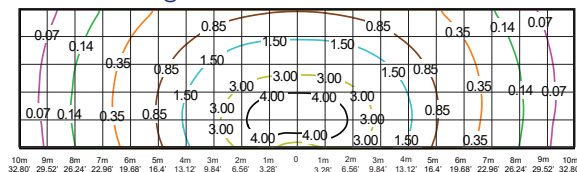
GRID = 20m / 65.61' x 5m / 16.4'

All Values = Lux

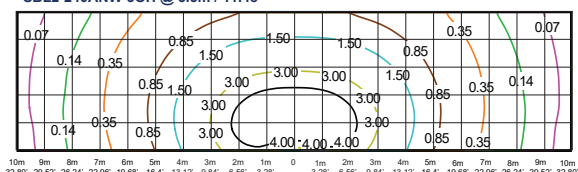
SBL2-160ANW-3OH @ 3.5m / 11.48'



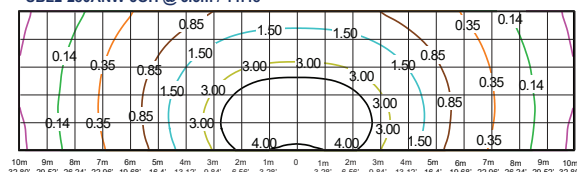
SBL2-200ANW-3OH @ 3.5m / 11.48'



SBL2-240ANW-3OH @ 3.5m / 11.48'



SBL2-280ANW-3OH @ 3.5m / 11.48'



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/114.9"	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	-38403BP	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		-43403BP	4340mm/170.9"	4500mm / 177"	⁺ Special Order Option with longer lead time
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

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

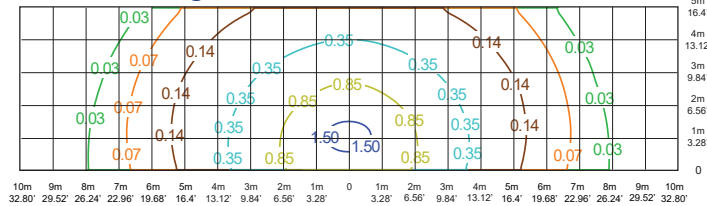
Notes:

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

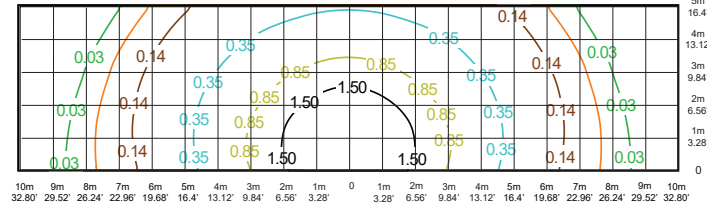
ISOLUX SR MODEL

(IES files available)

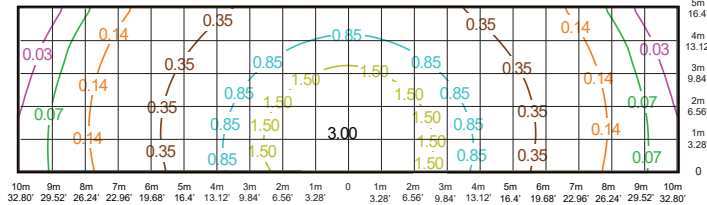
SBL2-040ANW-SR3 @ 3.0m / 9.84'



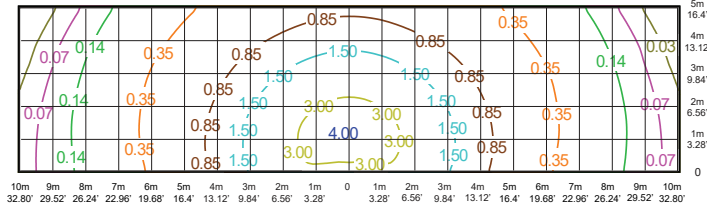
SBL2-080ANW-SR3 @ 3.0m / 9.84'



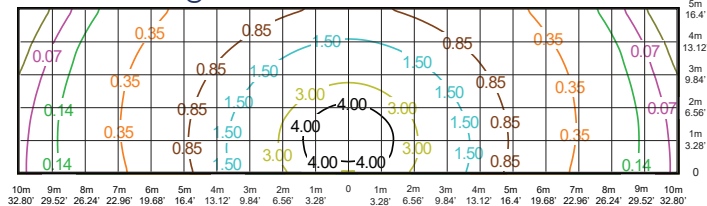
SBL2-120ANW-SR3 @ 3.5m / 11.48'



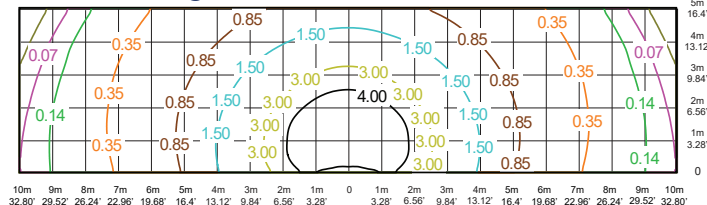
SBL2-160ANW-SR3 @ 3.5m / 11.48'



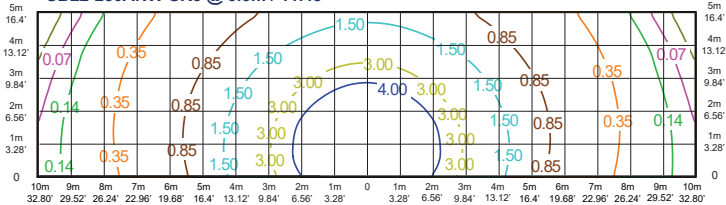
SBL2-200ANW-SR3 @ 3.5m / 11.48'



SBL2-240ANW-SR3 @ 3.5m / 11.48'



SBL2-280ANW-SR3 @ 3.5m / 11.48'



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 (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 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 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** 7 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

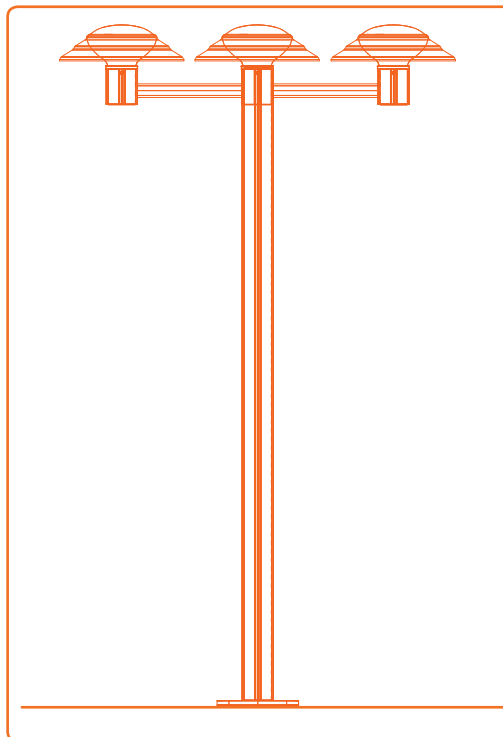
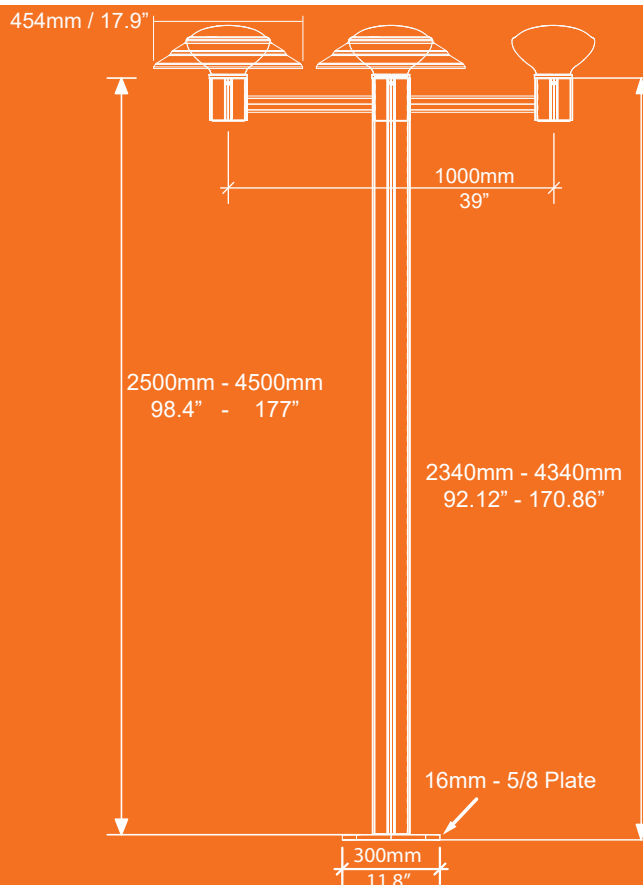


Minimal
Maintenance



Install
Yourself

SBL2 Series 4OH Model



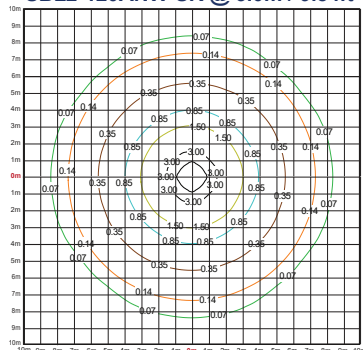
PHOTOMETRIC

(IES files available)

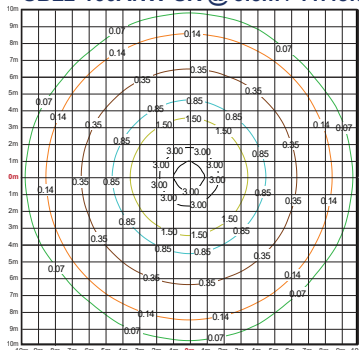
GRID = 20m x 20m (65.62ft x 65.62ft)

All Values = Lux

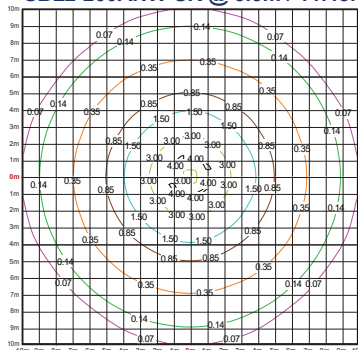
SBL2-120ANW-SR @ 3.0m / 9.84ft



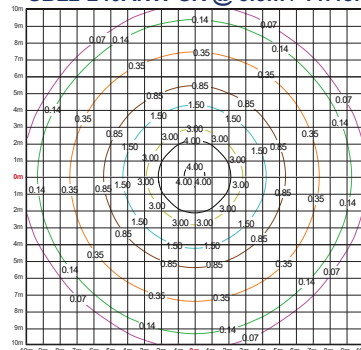
SBL2-160ANW-SR @ 3.5m / 11.48ft



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