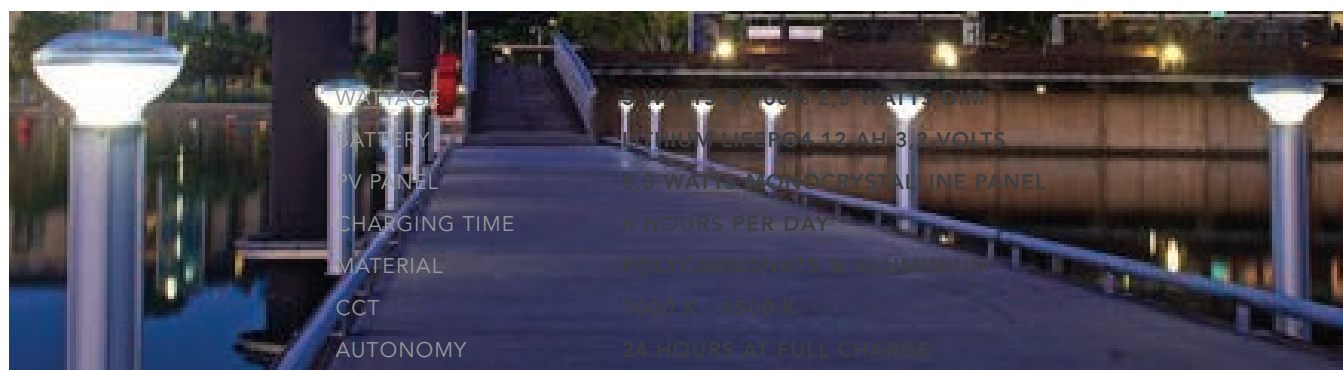


Solar Vandal Resistant Bollard Light



Our Solar Vandal Resistant Bollard is engineered to last ages and work better than conventional bollards. It features high-efficacy LEDs and the finest components for the best and longest performance. Our Solar Vandal Resistant Bollard is constructed and designed to reach the highest vandal resistant rating of IK10++, making it almost impossible to break. The Solar Vandal Resistant Bollard is also totally waterproof with an IP68 rating, making it ideal for safety and flooded areas.

- High housing and dome are molded with sabix lexan SLX polycarbonate UV protection effect guaranteed for over 12 years.
- The design and shape make the luminaire almost indestructible and easily passed IK10++ certification.
- LEDs are mounted to PC boards and directly attached to upper housing for best thermal management
- Encapsulated monocrystalline solar panel grade A solar cell with tempered glass
- Microwave motion sensor Invisible and integrated to the luminaire housing 12 ft radius detection.
- The light automatically switches on at dusk and switches off at dawn. 30% permanent lighting, when motion is detected power turns to 100%
- 130 Lumen per watt and IP68 rated
- 5 Years warranty on all components



WATTAGE	3 WATTS & 100% 2.5 WATTS DIM
BATTERY	LITHIUM LIFEPO4 12 AH 3.2 VOLTS
PV PANEL	6.3 WATTS MONOCRYSTALLINE PANEL
CHARGING TIME	6 HOURS PER DAY
MATERIAL	POLYCARBONATE & ALUMINIUM
CCT	3000 K - 6500 K
AUTONOMY	24 HOURS AT FULL CHARGE
HEIGHT	45 TO 80 CM (INSTALLED)

FINISH

BLACK / GREY / CUSTOMISABLE



APPLICATIONS

Solar Vandal Resistant Bollard Light

Specifications

Model #	SKU #	Power	PV Type	Solar Panel	Lithium Battery	Lumens	CCT	Fixture Height	IP Rating	Material
AVS-VDL007	787905	5W	MONO	6.3W	12AH	560	5000K	3.2FT	IP65	ALUMINUM

SAVINGS
INSTALLATION, ENERGY, UTILITY, AND MAINTENANCE.



THE **STRONGEST** BOLLARD YOU'VE EVER SEEN !

NO ELECTRICITY **×** CONSUMPTION **NO** COST **NO** TRENCHING **NO** CABLING



UNBREAKABLE



MOTION SENSOR
Optimal component calibration and intelligent management system



EXTREME TEMPERATURE
Resistant
-4°F to 149°F



AUTONOMY
24 Hours operation at full Charge.
Smart Management
3 Rainy Back Up

Correlated Color Temperature

5000K



Cool White Neutral White Warm White

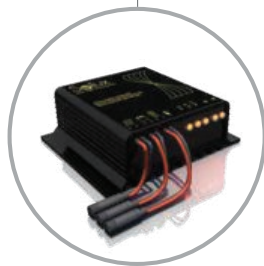
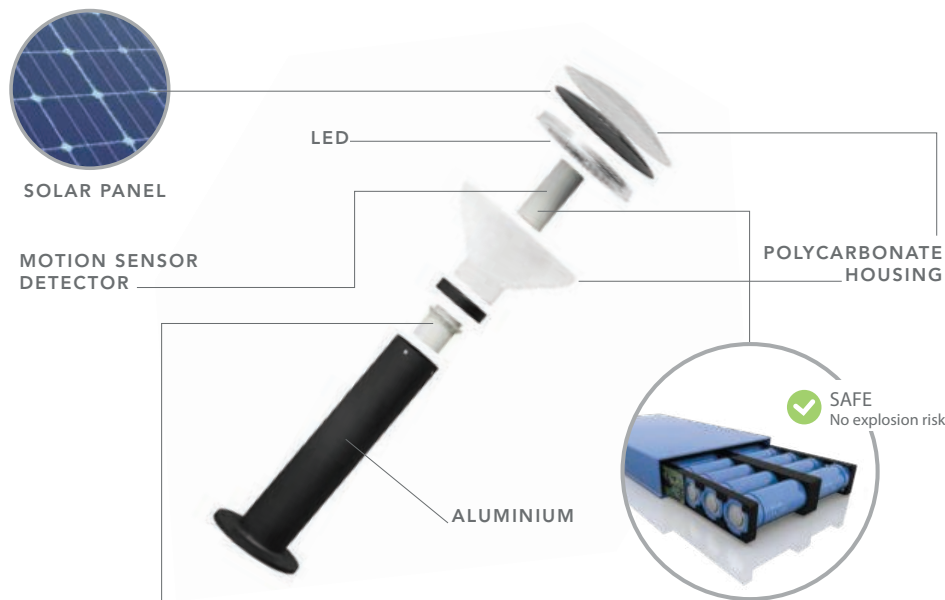


SOLAR PATHWAY LIGHTS

2

Solar Vandal Resistant Bollard Light

Product Design and Benefits



MPPT / SMART CONTROLLER 97% CHARGING EFFICIENCY

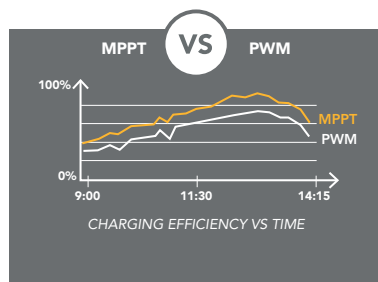
MPPT (Maximum Power Point Tracking) controller automatically track the maximum power point according to the weather variation.

Charging rate : 16-30%



Waterproof resistant

IP68



SAFE
No explosion risk

BATTERY LITHIUM LIFEPO4

The Eco-friendly and safe LiFePO4 battery improves the cyclic charge and discharge over 2000 times and has a life span of more than 10 years.



BATTERY MANAGEMENT SYSTEM

Electronic Algorithm Protection and battery management system for best use of the battery capacity.



MULTI PROTECTION



OVER LOAD



OVER CURRENT



OVER TEMPERATURE



OVER VOLTAGE



OVER CHARGE



OVER DISCHARGE

LIFEPO4

VS

LI ION

Over 2000 cycles



Over 500 cycles

No Risk of Explosion



Very High Risk
Explosion in High
Temperature

14°F to 167°F



32°F to 113°F

Over 10 Years



24 to 32 Months



50% Cheaper
than LiFePO4



Solar Vandal Resistant Bollard Light

Pr

LUMINAIRE HOUSING

High-housing and dome are moulded with sabic Lexan SLX Polycarbonate UV protection effect (yellowing) guaranteed for over 12 years. The design and shape make the luminaire almost undestructible and easily passed IK10++ certification.

RANGE CAPABILITY OF -22°F TO 176°F

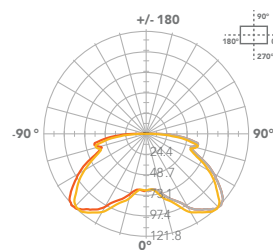
IP68



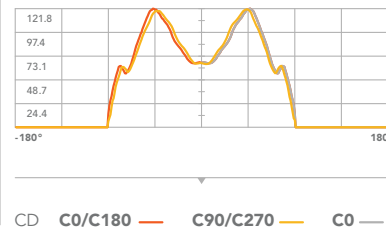
LIGHTING A TOTAL OF 560 LUMENS

16 LED Chips of 130 Lumens per Watts. LEDs are mounted to PC boards and directly attached to upper housing for best thermal management.

LIGHT DISTRIBUTION CURVE
UNIT : CD



LIGHT DISTRIBUTION CURVE
LINEAR



SOLAR PANEL 6.3 Watt 6V

Encapsulated Monocrystalline Solar Panel Grade A Solar Cell with Tempered Glass.



MICROWAVE MOTION SENSOR

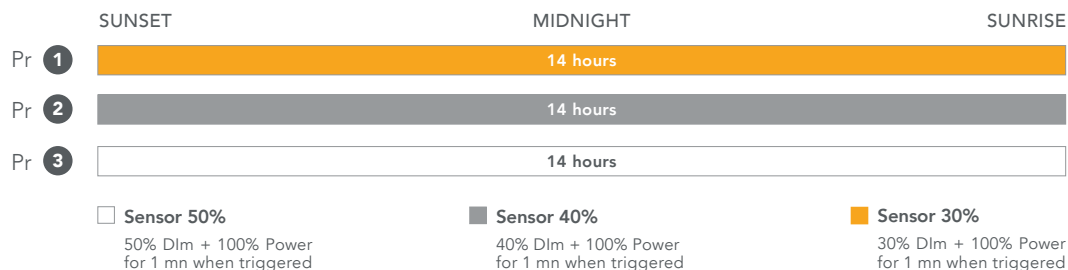
360° coverage, invisible and integrated to the luminaire housing +13' radius detection.



OPERATION MODE

THE PHOTSENSOR WILL AUTOMATICALLY SWITCH ON & OFF THE LIGHT FROM DUSK TO DAWN.

Microwave Motion Sensor with 360 coverage, invisible and integrated to the luminaire housing will detect any presence and turn the light to full power.



Solar Vandal Resistant Bollard Light

Product Design and Benefits



MULTI PROTECTION

BATTERY MANAGEMENT SYSTEM **BMS**

The electronic Algorithm protect the battery from operating outside its safe operating area monitoring its state, calculating secondary data, reporting that data, controlling its environment, authenticating it and / or balancing it.



11.0236"

5W / 560 LUMENS

SAVINGS

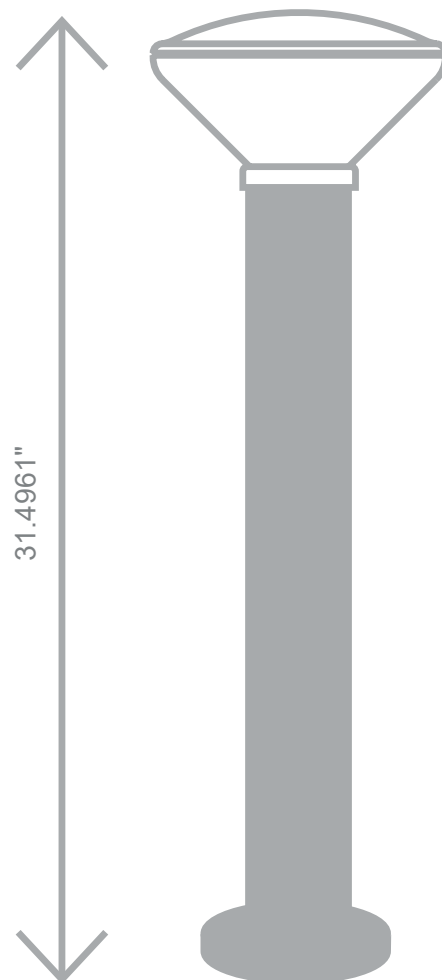
INSTALLATION, ENERGY, UTILITY, AND MAINTENANCE.

GENERAL

WATTAGE	5 WATTS @ 100% / 2.5 WATTS DIM
BATTERY	LITHIUM LIFEPO4 12 AH 3.2 VOLTS
PV PANEL	6.3 WATTS MONOCRYSTALLINE PANEL
CHARGING TIME	6 HOURS PER DAY
MATERIAL	POLYCARBONATE & ALUMINUM
CCT	5000 K
AUTONOMY	24 HOURS AT FULL CHARGE
HEIGHT	31.49" (INSTALLED)
FINISH	BLACK

APPLICATIONS

Marking Pathways - Public Spaces
Public Parks - Accentuating Landscaping
Pedestrian Areas - University - Parks
Hotels & Hospitality - Vehicular Traffic

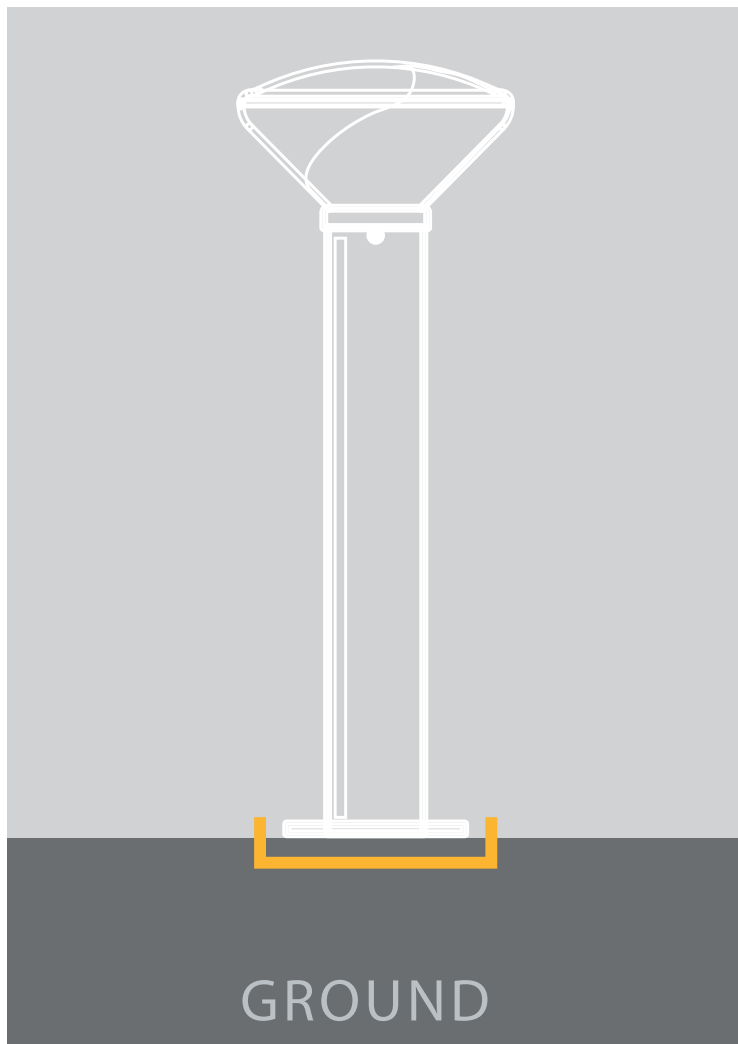
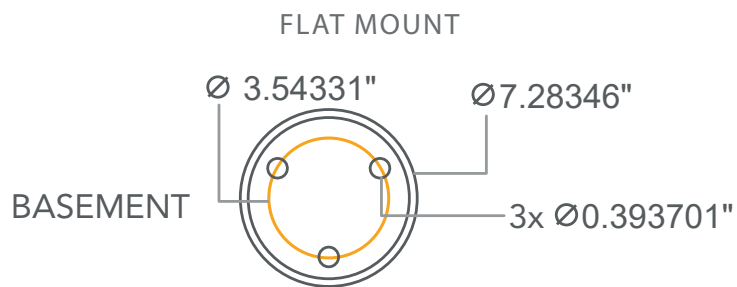


Solar Vandal Resistant Bollard Light

Product Design and Benefits

MOUNTING

Marine Grade anodized pole of **over 0.24" thickness**.



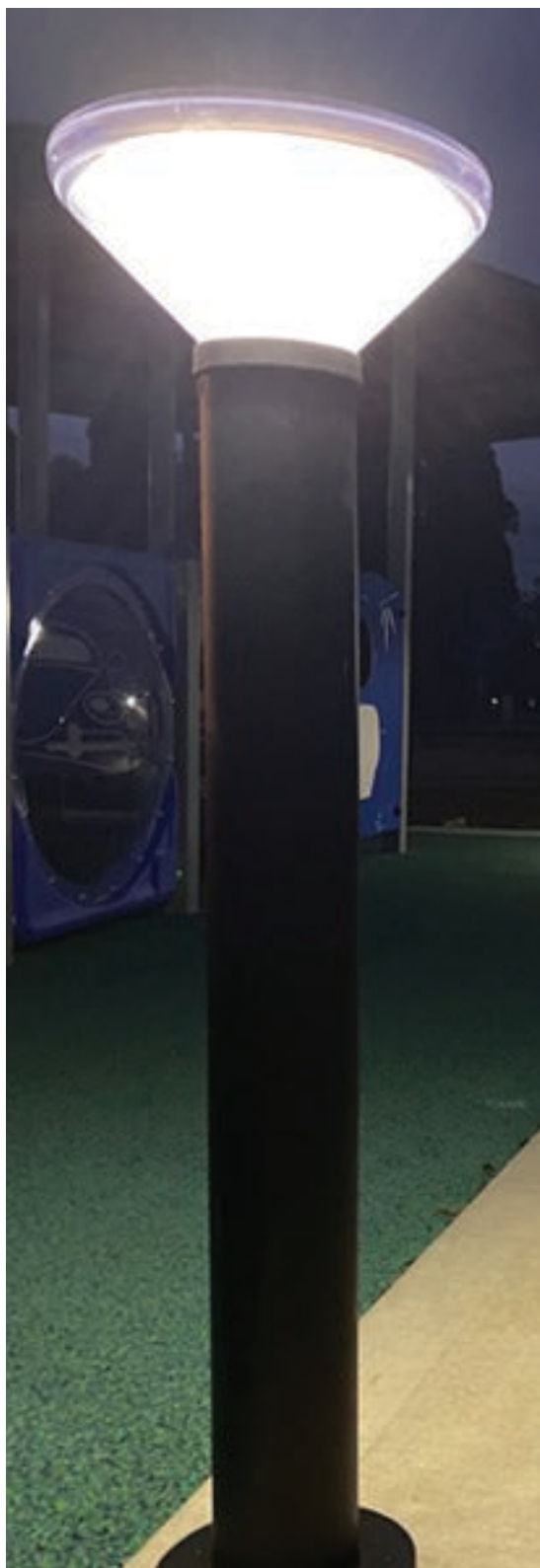
SOLAR PATHWAY LIGHTS



Solar Vandal Resistant Bollard Light



Solar Vandal Resistant Bollard Light



SOLAR PATHWAY LIGHTS



Solar Vandal Resistant Bollard Light

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Solar Vandal Resistant Bollard Light



SOLAR PATHWAY LIGHTS

