

ST Bollard

Solar Lighting

The ST solar bollard uses the latest LED technology for bright illumination with next-generation battery charging to optimise power usage.

Long-lasting illumination is assured even through the darkest winters. With an attractive, modern design, the ST bollard is vandal-resistant and ready for easy installation, providing all-round lighting.

Prolectric's ST solar bollard delivers bright illumination all night and winter long. Its trusted performance is down to a combination of the latest LED technology and high-power lithium LiFePO₄ batteries, together with Prolectric's integrated charging circuit, which constantly monitors the state of the batteries to optimise the charging levels.

The ST bollard operates in full shade or snow coverage and while fully submerged. By using premium grade materials for the dome top cover, which is most prone to being impacted by vandals, debris and direct exposure to sunlight and UV, it is able to withstand the harshest of environments for a minimum of 10 years without oxidising (yellowing) which stops the battery fully recharging and then over cycling reducing the battery lifespan severely and leads to failure, and more so becoming brittle and very easily broken by low level impact.



No Emissions

No greenhouse gas emissions.



No Mains Power

Economic to operate.



Low Cost

No need for trenches or cabling.



No Maintenance

Install and forget with a long operating life.

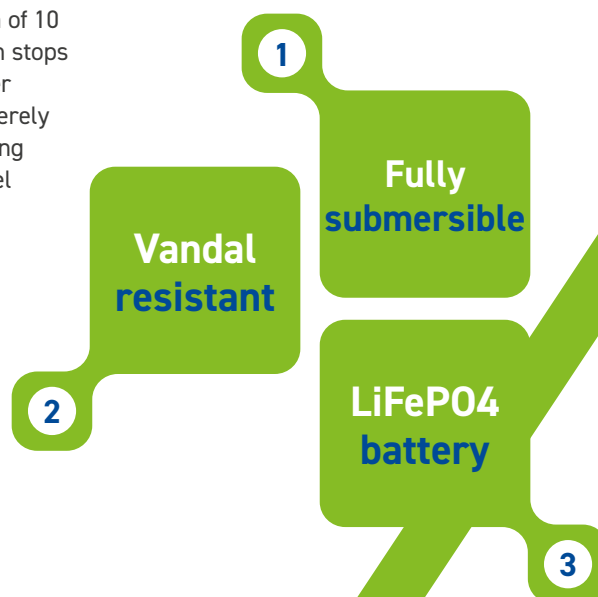
Our customers include

millershomes



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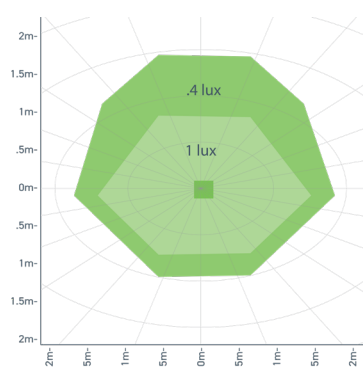


ST Bollard Solar Lighting

1W LED
lamp
with up to
180
lumens

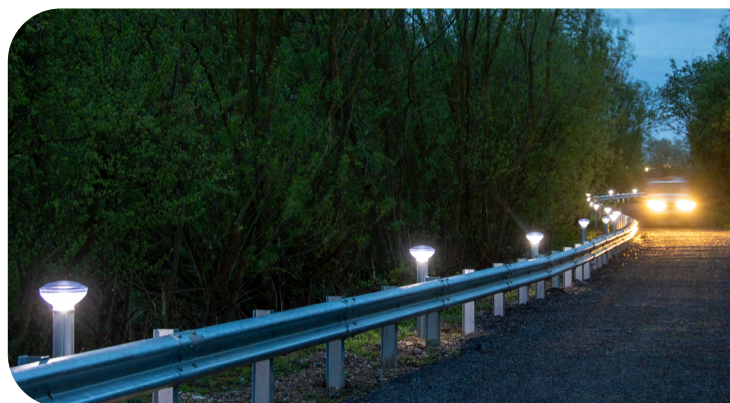


ST Bollard Light Range



ST Bollard Area
1x1W Lamp
1m Height

1 lux to 6 sqm
.4 lux to 11 sqm



General Specifications

Housing	Polycarbonate
Pole	Anodised Aluminium 6106
System power	3.2VDC
Diameter (mm)	257mm
Net weight (kg)	3kg

Batteries

Battery specification	1x LiFePO4 lithium battery
Expected battery recharge cycles	5,500

Solar Panels

PV Peak (W)	5W
Material	Tempered Glass

Floodlights

Power (each)	1W
LED	Nichia Initial lm/W 180

Applications

The ST Bollard provides solar lighting for government infrastructure projects, community developments, marine projects, hotels, resorts, recreation facilities, theme parks, and industries, amongst others.

