

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.



Advanced Technology
'All in One' compact design.



No Mains Power
No need for trenches or cabling, external electricity or a DNO connection.



Battery Technology
Reliable performance all-year round, even during winter.



Low Cost
Installation costs are halved and no on-going running costs.



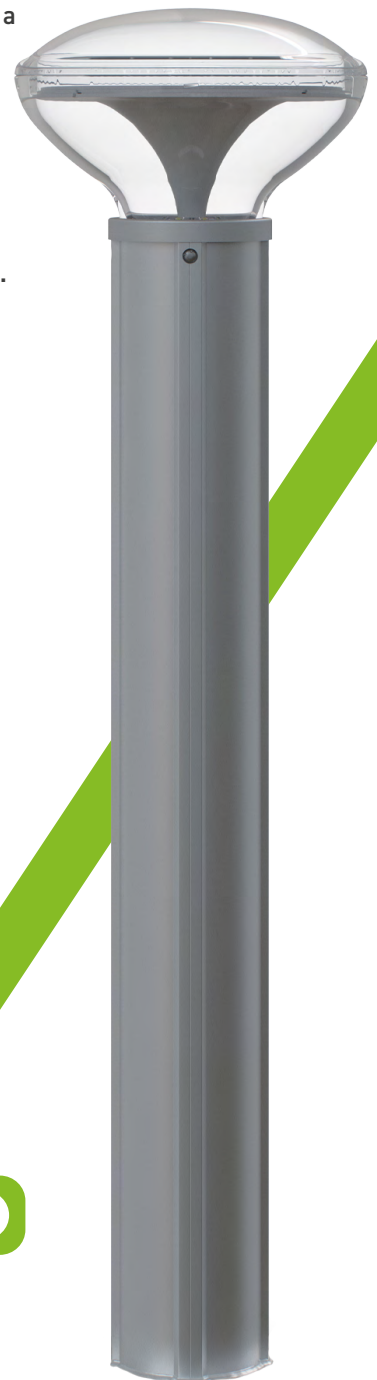
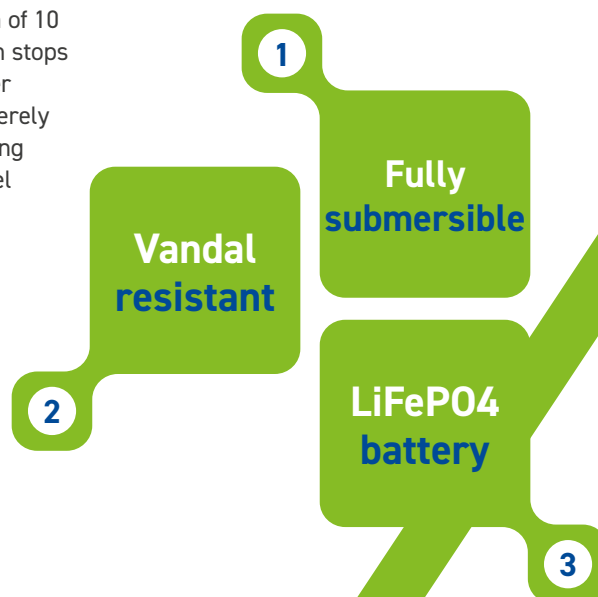
No Maintenance
Install and forget with a long operating life.

Our customers include

QINETIQ



DAVID WILSON HOMES
WHERE QUALITY LIVES

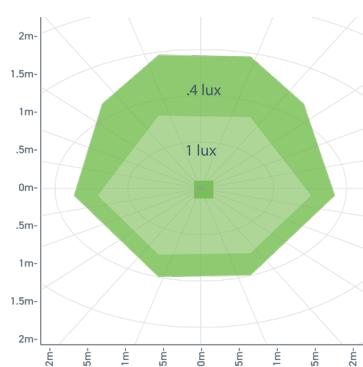


ST Bollard Solar Lighting

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	3.2V DC
Diameter	257 mm
Net weight	3 kg

Batteries

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

Solar Panels

PV peak	5W
Material	Tempered Glass

Floodlights

Power	1W
LED	Nichia Initial 180 lm/W

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.

