

# SR Bollard

## Solar Lighting

**T**he SR 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 SR bollard is vandal-resistant and ready for easy installation, providing direct light downwards with a 90° light-distribution cut-off.

Prolectric's SR 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 SR bollard outdoor commercial lights work continuously, anywhere, up to 16 hours per night, to ensure 365 days of full power dusk until dawn operation.



**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



2

**Vandal resistant**

1

**Full power dusk until dawn**

**LiFePO4 battery**

3

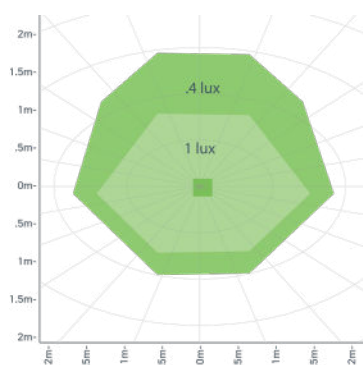


# SR Bollard Solar Lighting

1W LED  
lamp  
with up to  
180  
lumens



## SR Bollard Light Range



SR Bollard Area  
1x1W Lamp  
1m Height

1 lux to 2 sqm  
.4 lux to 8 sqm



### General Specifications

|              |                         |
|--------------|-------------------------|
| Housing      | Polycarbonate           |
| Pole         | Anodised Aluminium 6106 |
| System power | 3.2V DC                 |
| Diameter     | 454 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 SR Bollard provides solar lighting in areas such as, footpaths, marina's, playgrounds, slipways, garden landscaping, outdoor stairways, driveways and street lighting, amongst others.

