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# HELIA SOLAR LIGHTING BOLLARD

[solarvisionlighting.com](http://solarvisionlighting.com)

**SOLAR**  
**VISION**  
LIGHTING TECHNOLOGIES

100% OFF GRID

# HELIA SOLAR LIGHTING BOLLARD

## TECHNICAL SPECIFICATIONS

### Bollard

<b>Height</b>	1.35m
<b>Diameter</b>	Solar 200-228mm / Pole 140mm
<b>Material</b>	Aluminium Die Casting
<b>Foundation</b>	Flanged Base
<b>LED Rated Power</b>	5W
<b>Luminous Flux (lm)</b>	600lm
<b>Colour Temperature</b>	2700K
<b>IP Rating</b>	IP65
<b>Motion Sensor</b>	PIR
<b>Working Temperature</b>	-15°C -70°C
<b>Warranty</b>	3 Years

### Battery Pack

<b>Battery Type</b>	Lithium Iron Phosphate - LiFeP04 (2000 Cycles)
<b>Battery Capacity</b>	12.8V 307WH 24AH
<b>Battery Lifetime</b>	>4000 Cycles DOD 50% or >2000 Cycles at 100% DOD
<b>Battery Autonomy</b>	2-3 Days

### Solar Charge

<b>Structure</b>	Aluminium Alloy
<b>Dimensions</b>	228 x 200 x 600mm
<b>Pmax</b>	55wp
<b>Solar Cell Efficiency</b>	20.20%
<b>Operating Temperature</b>	-30°C - 70°C
<b>Lifetime</b>	25 years
<b>Warranty</b>	3 years

### Controller

<b>Charge Mode</b>	MPPT
<b>System Voltage</b>	12V
<b>Efficiency</b>	>98%
<b>Setting Method</b>	Wireless Remote Control
<b>Installation Method</b>	Built-In
<b>Operating Temperature</b>	-40°C -80°C
<b>IP Rating</b>	IP68



## PRODUCT INFORMATION

Our unique HELIA Solar Bollard, designed to provide a subtle and much needed option to light areas where a street light would be overbearing. Especially ideal for access roads and footpaths to parks, golf clubs, county estates, car parks and cycle routes.

The HELIA Solar Bollard is equipped with advanced LED and photovoltaic technology. The vertical design of the solar module provides for very low maintenance, reducing the need for cleaning, which maximises yields at all times.

Once installed the unit immediately charges the battery and manages the lighting profile specific to the client's requirements.

With built-in dusk to dawn sensor and a motion sensor, we are able to provide a working solution for all seasons and reduce the light pollution during the night to protect habitats in the surrounding area.

T +44 (0)1923 726 150

E info@svlt.co.uk

SolarVision Lighting Technologies LTD

W solarvisionlighting.com