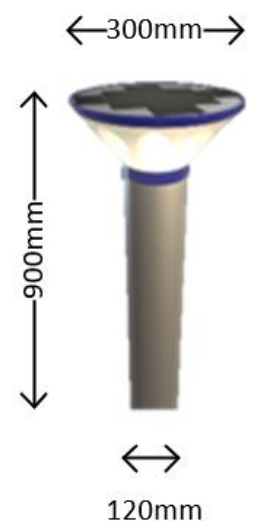
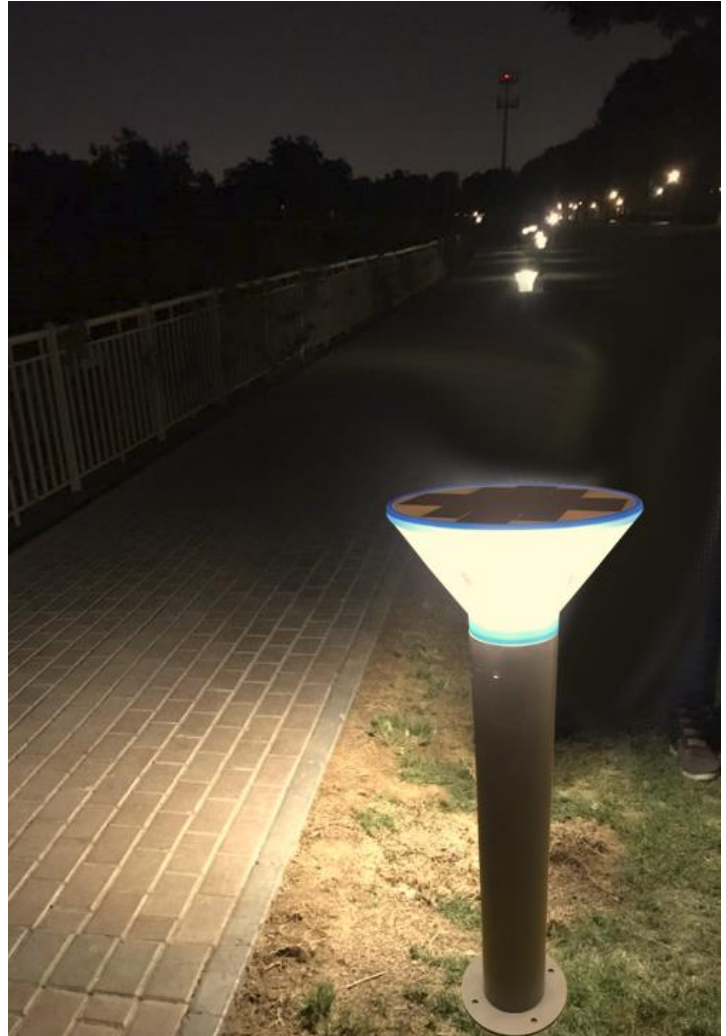


## NEIGHBOURHOOD SOLAR BOLLARD

### Silicon CPV's Solar Bollard – SCPV-NSB

- High Brightness 500 Lumens
- 12 Year Battery Design Life
- High Temperature Lithium Phosphate battery technology
- 5 Year Full Product Guarantee
- Corrosion Proof Powder Coated Aluminum Pole
- Unbreakable Polycarbonate Light Head
- High impact 4mm tempered glass solar panel
- Multiple light distribution options for area lighting or road lighting
- Factory Selectable 90°, 180°, 270° or 360° Light spread
- Factory selectable 200, 300, 400 or 500 Lumens Light level
- Designed and Manufactured in the United Kingdom

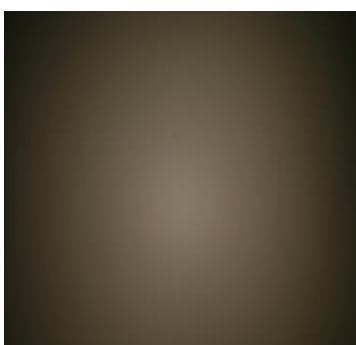
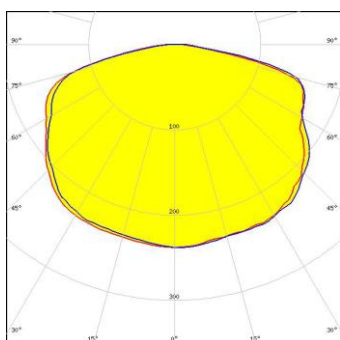
The Silicon CPV's solar powered LED bollard is ideal for architectural and commercial pathway applications. The self-contained, stylish, modern design combined with high brightness long life LEDs, long life high temperature Lithium Phosphate batteries and quality construction makes this Solar Bollard an excellent fit where quality lighting is required.



## General Area Lighting Optics

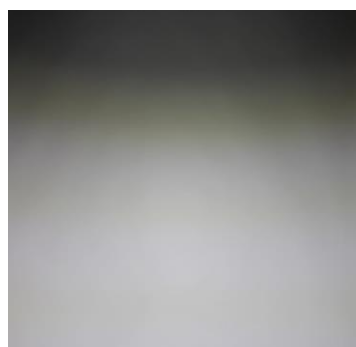
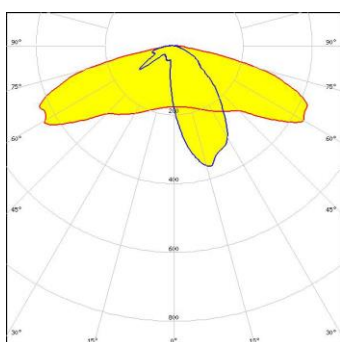
The light output from bollard can be selected in 4 quadrants. The light can be emitted in 1 quadrant (90°), 2 quadrants (180°), 3 quadrants (270°) or 4 quadrants (360°).

This optical arrangement is suitable for general area lighting and for decorative lighting.



## IENSA conforming Optics

Asymmetric light distribution conforming to IENSA Type II standard. All of the light output from the solar bollard falls on one side of the bollard. Other options for IENSA Type III and Type IV are also available. This type of optics is more suitable for bollard height of more than 2m. Inter bollard space can be 6 times the bollard height for Type II optics.



## Technical Specifications

Specifications	SCPV-NSB
<b>Solar Panel</b>	
Peak Power	10W
Cell Type	Mono Crystalline
Cell Efficiency	21.8%
Front Glass	4mm tempered glass
Encapsulation	Conforming to IEC 61215
Service Life	25 years
<b>Battery</b>	
Type	LiFePO <sub>4</sub> Lithium Phosphate
Voltage	3.2V
Capacity	12.4AH, 40WH
Service Life	10 – 12 Years
Warranty	5 Years
<b>Light Source</b>	
LED Type	NICHIA 757
LED Quantity	40
LED Power (maximum)	8W
Colour Temperature	3000K standard, Optional 5000K
Light output	500 Lumens
Factory Preset Light Level Options	200, 300, 400 or 500 Lumens
Hours of Operation	Dusk to Dawn 12 to 16 Hours
Autonomy	4 days (200 Lumens) 3 Days (300 Lumens) 2 Days (400 Lumens) 1.5 Day (500 Lumens)
Service Life	100,000hrs to LM70
<b>Lamp Body</b>	
Lamp Cover	UV stabilized high impact Polycarbonate
Colour options	Transparent or Translucent
<b>Controller</b>	
Controller	Integrated Charge controller, LED driver and Day/Night detector
<b>Life and Warranty</b>	
Design Life	10 – 12 years life
Warranty	5 years
<b>Environmental</b>	
Protection	IP66, IK 10
Temperature Range	-10°C to +60 °C
<b>Pole</b>	
Pole Height	800mm
Pole Material	Marine Grade Aluminium
Surface Treatment	Powder Coated – Dark Grey
<b>Packaging</b>	
<b>Bollard Dimensions</b>	900mm Tall and 300mm Diameter
<b>CTN Size</b>	1000 * 370 * 370mm
<b>G.W</b>	12 KGS
<b>20FT</b>	160 PCS
<b>40FT</b>	320 PCS