

# SPB100 Intelligent Solar LED Bollard



The SPB100 solar powered LED bollard is an architectural independent lighting solution ideally for various applications as in parks, pathways, bike lanes, remote areas, golf course, beach resorts, marina's, residential areas and landscape lighting projects.

Based on the ecological principle: there is only light needed when someone is present. An integrated system detects pedestrians and cyclists and switches on a cluster of light moving in their direction.

The architectural patented design in combination with a robust high LED lighting output in a high grade construction, makes it your ideal choice for all your self-contained lighting projects.

A unique built-in software and wireless radio system makes the SPB100 suitable in bird/bat wildlife sensitive areas. Because there is only light by human presence and activity. (lumen on demand.)

SPB100 works completely without wiring and gets its power from the sun, using a special energy storage system, which requires no replacement of batteries for several years.

Energy harvesting and usage is controlled by a unique built-in self-decisive software algorithm. Cloudy days or shaded areas, the intelligent energy saving SPB100 always provides perfect lighting conditions.



## Technical Specifications

### LED and Optics

Lighting Technology	Rebel 3 x 3 Watt Max 130 lm/W Neutral white 4500 kelvin
Life span	50.000 Hours
Optics	6°/15°/30°

### Solar Module

	Polycarbonate protected PV panels
	3 x 5.4 Watt (tot. +/- 16 Watt)
	Hi class mono cells
	Integrated in mechanical construction
	Anti theft & vandal proof

### Intelligent Controls

	Built-in intelligent MPPT charger
	Presence detector 13 ft, -120°
	Led driver - defaults to 3 Watt (9W max.)
	Zigbee radio controlled
	Eyes curve light management
	Energy harvesting management
	Light output management

### Included Battery Options

	<ul style="list-style-type: none"> <li>• Lifepo4 2000 cycles Temperature - 20 + 65°C (-4 +149F°)</li> <li>• Eco battery 1.000.000 cycles - 40 +65°C (-40 +149F°)</li> </ul>
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### Materials

Body	Anodized aluminium 25u satin gray
	Anti theft stainless security screws
	Mounting bracket included
	Ral powder colors possible on request
	Eco design

## Uses and Applications Guide

Residential areas	●
Parks	●
Boardwalks	●
Resorts	●
Marinas	●
Gardens	●
Landscaping	●
Walking paths	●
Bike paths	●
Golf courses	●



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