



LEADSUN

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Solar Powered LED Bollard



Built to last and backed by a 10-year structural design guarantee, Leadsun's Solar Powered LED Bollard has been designed to meet commercial grade standards and provide low impact and sharp cut-off lighting specifically for pathway applications. The sleek and architecturally designed appearance makes the bollard a perfect fit within all urban landscapes.

Additionally, optional colours are available to further blend the bollard into a specific environment. Height options of either 1m, 2m, 3m or 4m can also be catered for to cover a wide range of applications even including car parks requiring low mount lighting.

The Solar Powered Bollard features a built-in Pulse-Width Modulation (PWM) smart controller that enables the LED output to be pre-programmed and operate at different power levels throughout the night.



**IK08 impact
resistant LED module**



**10-year structural
design warranty**



**5-year performance
warranty**



**Advanced
LED Optics**

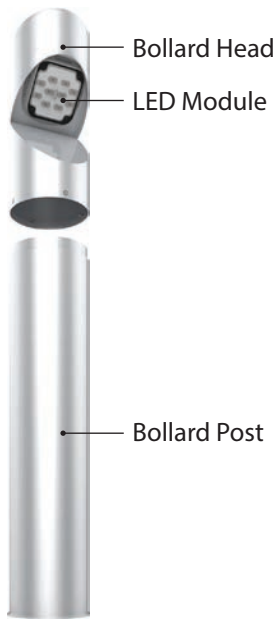
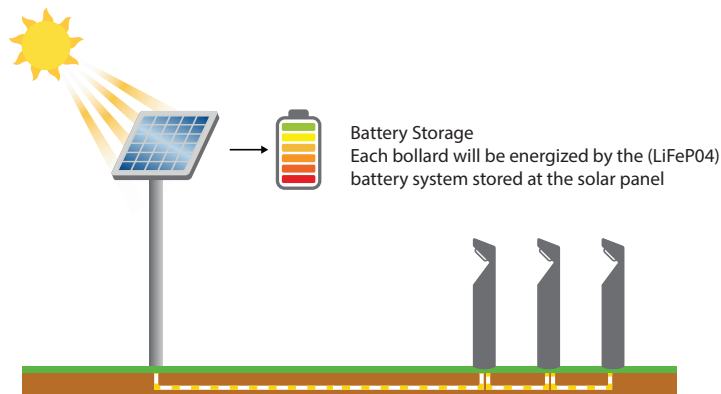


**Smart PWM
controller**

How it works

Leadsun's DC powered bollards operate from off grid Leadsun Solar Engines (or mains powered DC Power Supply version option available).

Up to 10 bollards can be easily powered via low-voltage wiring installed in a shallow trench from either a Leadsun AE3 or AE6 series solar engine. The system is designed so that the solar engine is installed remotely and, in a position where it can receive the best 'direct sunlight' as possible to ensure the bollards are reliably powered all year round.



Unique Design

A key feature of the Leadsun Solar Powered Bollard is how it cleverly conceals the LED module that is recessed downwards on a 45-degree angle within the front of the bollard head. As well as protecting the LED module from vandalism, it significantly reduces glare and any rear or upward spill light to ensure ALL light is projected asymmetrically along the pathway. The end result is pathway lighting that provides much greater visual comfort for pedestrians and unobtrusive lighting to nearby wildlife.

Key Benefits

- Extra low voltage allows for OFF GRID solar powered connectivity
- All DC powered bollards simple and low cost shallow cabling
- Controlled lighting output, ideal for pathways and pedestrian access areas
- Robust construction with vandal resistant LED module recessed within the bollard head
- Architectural & Aesthetically pleasing design with choice of powder coating colours
- CREE LED technology providing 'bright and crisp' illumination with 10 years effective life
- Customisation providing alternative heights for purpose built applications

SPECIFICATIONS

Mechanical		Electrical	
Part No:	EDGE12	Mains	
Material	Electroplated steel	Voltage Range	90-305VAC
Colours	Standard powder coating colours available (as per Dulux Powder Coating colours)	Rated Power	10W
Diameter	135mm	Frequency Range	47-63Hz
Heights	1m, 2m, 3m or 4m	Efficiency	85%
Weight	10-30kg	AC Current	0.25A / 230VAC
Warranty	5 years	Working Temp	35-+70°C
IP Rating	IP67	Working Humidity	20-95% RH non-condensing
IK Rating	IK10	Off Grid	
Product Finish	Powder coating, Stainless Steel	DC Voltage	12VDC
Lighting		Rated Current	2.1A
Light Output	300-1500Lm	Rated Power (Max)	10W
LED Type	'CREE' Asymmetrical Distribution (programmable)	Overall Power @12V	
Footing Type		1.5W LED	1.8W
TP1	Post 1-1.2m height = 500mm ragbolt; Post 1.8-4m height= 1000mm Ragbolt	5W LED	5.5W
TP2	Base Plate, Solid Surface	10W	10.8W