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# Solar Powered Belisha Beacons for Pedestrian Crossings



**Patented Solar Powered Belisha  
Beacons that are simply bolted on  
top of the poles - no mains power or  
cabling required**

## Details

Our Solar Powered Belisha beacons offer a low maintenance, zero energy and carbon free solution. As no expensive mains cabling and trenching is required, the cost of installation is considerably reduced compared to the cost of mains beacons - and provides an environmentally friendly result.

The beacons can be installed at any location that has direct access to sunlight. Designed for reliable off-grid installation using state of the art extreme low power (XLP) components which provide ultra-low power consumption, high performance, longer life and improved reliability. The body and globe are made from vandal-proof high UV resistant polyethylene providing on-going operational reliability - at zero running costs.

Installation is very straightforward and takes less than 15 minutes - simply mount the unit on top of the 76mm diameter pole, and rotate the unit so the solar panel is pointing south and tighten the securing bolts.



## Features

- Enhances pedestrian crossing safety, especially in winter
- Automatically operates 24/7 throughout the year
- Body and globe made of vandal proof high UV resistant polyethylene
- Minimum maintenance required
- Aluminium metal parts - no rusting
- Compliant with and independently tested for IP54, EMC (BS EN55032) and CE standards
- Osram LED bulb (L80B10 – 100,000 hours) with Ambient Light Sensor (ALS) feature built into the bulb
- Lithium lead-free environmentally friendly battery that can be re-charged 3,000 times
- Zero energy consumption and CO2 emissions
- Total weight (including batteries & solar panel) less than 6kg

## Optional Extras

### 76mm Dia. Black & White Pole

76mm diameter galvanised steel pole x 4m long. The poles are powder coated black and feature 4 no. High Intensity white reflective bands each 300mm high

### 76mm Retention Socket

If required, the poles can be installed in a retention socket, allowing for quick and easy replacement in the event of damage from a vehicle impact

### Additional Solar Panel Kit

Prior to installation, Customers should check that visibility looking to the south from the location is unobstructed. This is important as the beacons operate on direct sunlight. If it is obstructed the additional Solar Panel kit will help overcome the lack of sunlight

### Globe Shroud

This is an option for installations within or near residential areas. The shroud partially covers the globe, therefore reducing light pollution and pacifying residential neighbours