

# Sobol Illuminated Bollard

The Solar Illuminated Bollard control system uses a four-channel dynamic boost algorithm to maximise the power generated from each individual solar panel. During the day the light tracks across the bollard, illuminating and shading the panels. To capture energy efficiently from direct and indirect sunlight, the optimum power point of the panels is calculated in real time and the charge taken from the panels is adjusted, harvesting the maximum power from each panel.

## Key Features

- Zero energy costs
- Solar energy harvested from four vertical faces totalling 102,300mm<sup>2</sup>
- Ni-Mh batteries up to 10yr life -40°C to +85°C
- High performance white LED 180 lumens per watt with 71° beam.
- 14 Days autonomy (without daylight)
- Battery disabled during transit or in stock
- PIR sensors trigger LED bright-up on approach

## Key Features

- Power: 17.2W (4 x 4.3W panels)
- Material: Polycrystalline Silicon
- Construction: Photovoltaic cells sealed behind UV stabilised tempered glass.
- Total Area: 102,300mm<sup>2</sup>

