

Solar Bollard Luminaire



5 Years Warranty
on all the
components

Sentry Bollard 013

High performance LED luminaire with efficient solar and Lithium battery technology. Ideal replacement for traditional Lighting sources or private roadways or pathways. Dusk to Dawn Operation. ZERO emissions. Solar Lighting naturally doubles as an exterior emergency light in the case of a power outage. Suitable for assembly point illumination.

Features:

Integrated Smart Sensor

Switches light output from 30% to 100% when movement is detected extending battery life to over 10 years.



Applications:

Carparks, Roadways, Streetscape



Flange

Product Information

Product Code	Luminaire Power	Solar Panel	Lumens	Sensor	Dimensions	Weight
EST-SSB-013SBK-4K	3,5W	6W	420	Yes	210x210x450mm	3,5Kg
EST-SSB-013TSBK-4K	3,5W	6W	420	Yes	210x210x800mm	5,7Kg

Technical Specification

All in ONE Solution

MPPT Controller with secondary BMS Battery Management System

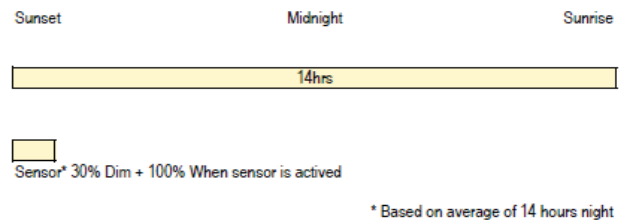
Colours	Black
Material	Die-Cast Aluminium
Coating	AKZONOBEL anti-corrosion
Security	Batteries are integrated
IP Rating	IP65
Panel	Monocrystalline Silicon Encapsulated / Tempered Glass
Panel Efficiency	>19.6% transfer efficiency



Micro Controller

Modes of Operation

Monitoring	Temperature
Charging Type	MPPT
LED Power	Integrated high-efficiency driver
Operating Profile	Dusk-to dawn operation
Day / Night Sensor	Solar Panel
Settings	Pre-programmed
Occupancy Sensor	PIR



Battery

LiFePO4 Battery

Type	LiFePO4
Voltage	6.4V 4.5Ah
Cycles	Exceeds 2500 cycles
Depth of Discharge	20-30% DOD
Charging Time per Day	3-4 Hrs Clear Sky / 5-6 Hrs Overcast Sky



High Temperature Resistant! -10°C to +65°C

SAFETY No Explosion Risk



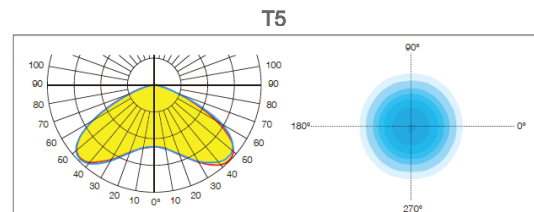
Best Technology in the Market

Sustainable Battery Replacement Program **Li-ion**

Luminaire

Photometry

Light Source	LED Filament Bulb (20,000 Hrs Lifetime)
Distribution Types	Type 5
Colour Temperature	4000K
Efficacy	120 Lm/W
Colour Rendering Index	>75Ra
Light Control Voltage	5V



*IES Photometry Files available on request