

LS-LEDS814 Solar Vandal Resistant Bollard



LS-LEDS814 is a high-quality solar bollard that excels in vandal resistance and boasts a stunning aesthetic design. Equipped with high-efficacy LEDs and premium components, it ensures optimal and extended functionality. Achieving the highest vandal-resistant rating of IK10, it boasts near-impenetrable strength. Perfect for public lighting, its head is crafted from super weather-resistant polycarbonate material, ensuring exceptional anti-aging, anti-UV, and non-yellowing properties, as well as minimises the maintenance burden of dirt or snow built up on the photovoltaic surfaces, requiring less frequent and easier cleaning, the light fixture charges 360° with no onsite orientation, ensuring optimal lighting throughout the year.

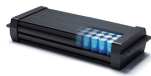


It is versatile and suitable for various applications such as walking paths, villa pathways, camping sites, and backyards. It offers the advantages of simple installation, maintenance-free operation, and a long service life. Among similar products on the market, LS-LEDS814 stands out with its superior quality, consistently performing best in all product tests.

This luminaire also complies with the dark sky requirement with benefits include built-in motion sensor and programmable time dimming offer longer discharge time and optimum performance. This luminaire also complies with the dark sky requirement with no upward lighting pollution.



One-piece molding, high strength and rigidity



Using Iron Phosphate Lithium LiFePO4 battery, superior safety. Built-in protection for over-charge, over discharge, over current and over temperature



Unit supplied with ground fixing kit

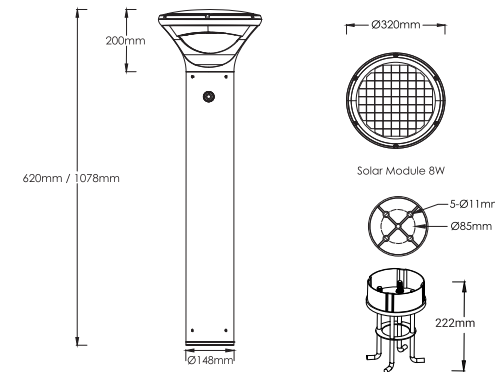
Product information

Durable with rated life span L70>50,000 hours / Mono-Si solar panel / LiFePO4 battery / Electronic protection battery management system / No UV or IR emissions / CE, UKCA & RoHS international standards / Environmentally friendly & part recyclable: no mercury or other hazardous materials used / Heavy duty die-cast aluminium housing & polycarbonate lens / Complies with EN60598

Code	Solar Module †	Lumen Output Maximum	LiFePO4 Battery	Control Mode	Discharge Time* Maximum	Nett Weight
LS-LEDS814	8W/6V	500lm	51WH/3.2V 16AH	D2D / STD / TC	> 3 days	6.1kg

† Calculations are done with 12 hours of operation per day, detection of movement is 5 times per hour
* Autonomy and Operation time calculations are only indicative and will depend on several variable factors

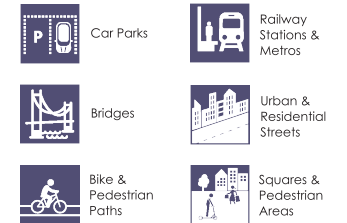
Dimensions and mounting



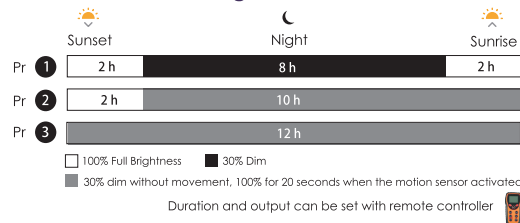
Technical Specification

Beam Angle: Type V
Luminous Efficacy: 160lm/W
Color Rendering Index: ≥80Ra
LED Type: LM80 3030LEDs
Solar Panel: Mono-si (25 years of anticipated lifespan)
Battery: LiFePO4 (8 years of anticipated lifespan)
Solar Charge Controller: MPPT
System Design: 3.2 VDC
Charging Time: 4-5 hours
Control Mode: D2D (Dusk to Dawn) / STD (Step Dimming with Motion Sensor Override / TC (Time Control)
Operating Hours: >3 days
Color Temperature: Neutral White 4000K (Others available on request)

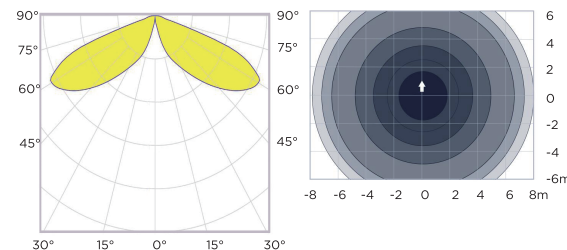
Applications:



Control Mode Program



Photometric distribution



Benefits -

- Ideal for use in the remote areas where mains power is not available

Key Features -

- Truly green lighting solution and 100% energy savings
- Long anticipated lifespan of Mono-Si solar panel and LiFePO4 battery
- Robust design for maintained performance over time
- Quick and easy installation without making electrical connections
- High performance lighting with optimised light distributions designed for exterior areas