



Dragon Breath Solar Bollard Lighting System

Dragon Bollard Solar Lighting System, is designed for off-grid illumination in rural UK locations, offering maintenance-free solar-powered lighting walkway solutions.

Product Overview The bollard lighting system provides dusk-to-dawn illumination using solar energy stored in high-performance lithium phosphate batteries, suitable for pathways, car parks, marinas, and schools, across the UK.

Design and Features The system features a low voltage LED with high color rendering temperature of 4000K, and a wide beam spread. The large solar panel, is mounted on top of luminary, oriented to maximize sunlight capture. IP65 protected, weighs 6.8kg, and includes, automatic charge regulation, and a 24-month warranty.

Operational Functionality Each unit is pre-commissioned, automatically switching on at sunrise to charge and off at sunset to illuminate, with a dusk-to-dawn cycle. The system is fully automated, requiring only annual cleaning of the solar panel, and operates reliably year-round.

Applications and Customization Suitable for diverse locations such as pathways, marina walkways, car parks, and industrial sites across different UK regions, ensuring effective illumination without grid infrastructure.

Dragons Breath® Bollard Solar Lighting System

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Dragons' Breath Solar bollard light technical values

High performance ground mounted LED for all walkway applications

- *Led light 1.2w Luminous flux capacity 280 Lm*
- *Minimum CRI (colour rendering index) >82 Optic Asymmetric for lighting*
- *Automatic dimming 30% 100% when triggered Electrical protection Short Circuit, Overvoltage, Overcurrent,*
- *Overheat Lifetime 10 years*
- *6.5w System voltage 5v Cell efficiency 22.5%*
- *Battery LiFePo4 @ 3.2v (38.4wh) DOD 6000 cycles DOD 80%*
- *Discharge time on full power 24hrs*
- *Temperature -15°C ~ + 75°C*
- *LED source type SMD3030 Amount 24 pcs Colour temperature 3000-5000k*
- *Beam angle 120° Depreciation factor L70 > 50,000h Life 90% > 20 years Effective*
- *DARK SKY COMPLIANT*
- *Constructive features Body material Aluminium die casting tempered Glass Lens material Tempered glass*
- *Installation Ground mounted Dimensions 275mm diameter x 900mm high Protection grade IP65 Impact grade IK10 Weight 6.8kg*

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