

DBS805 2-Piece Solar Street Light

Reliable, high-performance solar lighting for UK roads, car parks, pathways and remote locations

TWO-PIECE SYSTEM

Separate solar panel and LED luminaire for optimum positioning and maximum performance.

HIGH EFFICIENCY LED

6–30W LED output with luminous flux of 870–4,350 lm. Asymmetric optics for effective street lighting.

LiFePO4 BATTERY

12.8V 307Wh LiFePO4 battery with a stated life of more than 2,000 cycles, retaining 80% capacity at end of life.

AUTOMATIC DIMMING & PIR SENSOR

Intelligent control with automatic dimming at 30–50%, increasing to 100% when the motion sensor is triggered.

150W SOLAR PANEL

150W solar panel operating at 12V, providing the energy required to recharge the battery system.

ROBUST AND RELIABLE

Steel and aluminium construction with UV-protected PMMA lens. Designed for retro or new installation on 89–114mm diameter columns.



DBS805

Installed example (6m–5m post)
Two-piece solar street light system

Key Technical Specification

LED:	SMD3030, 72 pcs × 1W
Power consumption:	6–30W
Luminous flux:	870–4,350 lm
Colour temperature:	5500–6000K
Optic:	Asymmetric (Type II / Type III)
Luminous efficiency:	120–145 lm/W

Solar panel:	150W (12V)
Battery:	12.8V 307Wh LiFePO4
Battery life:	> 2,000 cycles (80% capacity)
Controller:	Programmable MPPT with motion sensor
Protection:	IP65
Impact rating:	IK08
Operating temperature:	–20°C to +75°C
Dimensions:	1120 × 700 × 20mm
Weight:	18.3kg

5-year standard warranty

Electrical protection against short circuit, overvoltage, overcurrent and overheating.

12–24V • IP65 • CE • IK08 • RHOS

