

DBS1580 Retro one piece solar powered street lighting system

All in one retro solar lighting system for low level lighting. These solar street lights are designed to clamp around new or existing street light posts. The solar panel is encased within the construction. This solar panel is sized to capture all available sunlight in a given place.

According to this design, the energy is stored in a high performance lithium battery. This will then distribute the stored charge to illuminate our low voltage luminary from 30% to 100% at times when required.

A typical solar lighting system is made up from the following components; pole or column, battery system, luminary, solar panel, control system and wiring.

When selecting a solar path lighting system. Customers should consider the height requirements, the luminosity of the LEDs. The quality of components used within the system, and the warranty of the products within the package.

We offer design experience and after sales backup. Our company should be able to provide a system that is designed around local weather conditions to suit any location.

We understand the requirements of needs in energy storage. We have many years experience in battery management and storage solutions



Applications for DBS1580 retro one piece solar lighting

- Road lighting
- Street lighting
- Community lighting
- Farm lighting
- Park lighting
- Un-adopted areas
- Moorings & Marinas
- Estates
- Car Park lighting

Dragons Breath Solar®
DBS1580 retro solar lights
Tel: 01646 600151
E: info@solardragons.co.uk



Road Lighting

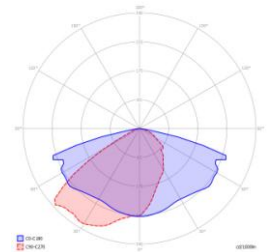
DBS1580 Retro one piece solar street lights

DBS1580 Retro one piece technical values

2000lm LED Luminaire for un-adopted applications

Lighting features

12v LED	2000 Lm
Minimum CRI (colour rendering index)	85
Colour temperature	6500-7000k
Optic	Asymmetric for street/car park lighting
LED's	Batwing spread
Initial luminaries flux (lm)	2000
LUM EFF (lm/W)	135
Power supply	12 VDC
Power consumption (W)	15
Electrical insulation class	III (SELV)
Automatic charge control regulation	4-5 hours to fully charge battery
Autonomy	1-2 days
Luminous flux reduction value	30-100%
LED thermal protection	Control of heat -25° C ~ 60° C
Solar panel	Mono-crystalline (25 years life)
Battery	Lithium – ion LiFePO4 battery
Tilt angle	0-30°
Protection degree	IP65
Weight	18.5kg
Size	1140 x 325 x 140mm
Standard warranty	24 months



DBS luminary:

- PIR units will provide lighting from dusk @ 30% brightness; these are pedestrian sensor activated within 10m to 100%.
This is a fully automated system to provide light using the full capacity of solar irradiance available.

E.&O.E.



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