

DBS Retro one-piece solar powered lighting system

This lighting system is designed for carparks, path, walkway, general lighting in rural locations.

The solar panel is mounted on the top of the body pointing towards the sky. Each solar panel is sized to capture all available sunlight in a given place each day. According to this design, the energy is stored in a high-performance lithium battery which then distributes charge to illuminate luminary.

The light runs @ 30% of full power before being triggered to 100% by microwave sensor system. This type of sensor allows pedestrians and cars to activate the light as close as 10m. Then it illuminates to 100% for one minute or until outside of sensor range.

The quality of components used in the system, and the warranty of the products within the package offer long life performance. This light is designed to suit medium footfall.

Our company fully understand the requirements needs involved within energy storage. We have 20+ years' experience in battery management and storage solutions. Applications for DBS solar one-piece lighting, Path lighting, Farm lighting, Wildlife lighting, Park lighting, Gate lighting, Walkway lighting, Un-adopted areas Moorings & Marinas, Footpaths, Estates, Car Park lighting Estates.

This solar one-piece lighting system has been designed around LED luminaries running technical values between 800lm to 2600lm power pure white LED light. The DBS one-piece solar light can automatically operate from dusk (based upon previous days weather).

- PIR units will provide lighting from dusk @ 30%-100% brightness when PIR is activated; these are pedestrian/vehicle sensor activated within 10m to 100%.
- This is a fully automated system to provide light using the full capacity of solar irradiance available
- Can be fitted to existing posts 60-89mm

Car Park Lights® DBS Retro One-Piece solar lights

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- Features 12v LED
- Minimum CRI (colour rendering index) 85
- Colour temperature 4000-6000k
- Optic Asymmetric for street/car park lighting
- LED's Batwing spread
- Initial luminaries' flux (lm) 800- 2600
- LUM EFF (lm/W) 135
- Power supply 12v VDC
- Power consumption (W) 10
- Electrical insulation class III (SELV)
- Automatic charge control regulation 4-5 hours to fully charge battery
- Autonomy 1-2 days Luminous flux reduction value 0-100%
- LED thermal protection Control of heat -25° C ~ 60° C
- Solar panel Mono-crystalline (25 years life)
- Battery BYD Lithium – ion battery (2000 cycles)
- Battery discharge time 12 hours
- Fixing 60-89mm diameter
- Tilt angle 5°
- Protection degree IP65
- Weight 20kg
- Space between lights 15m
- Size 800 x 430 x 120mm
- Standard warranty 36 months
- 12v | CE | IP65 | RHOS

W.&O.E.