

## DBS3000 Series multi-directional solar powered street lighting system

The DBS3000 series multi-directional high performance street lighting system, designed for large open spaces and associated applications. The solar panel is bolted onto an angled framework at top to post. The 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 24v lead acid battery bank. This will then distribute the stored charge to illuminate our low voltage 4350lm LED light from dusk 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.

This provides solar car park lighting system designed to be multi-directional. This clamp on system can be rotated separately. Note 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 will be able to provide a system that is designed around your 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 DBS3000 Series multi-directional solar street lighting

Community lighting  
Path lighting  
Wildlife lighting  
Gate lighting  
Un-adopted areas  
Footpaths  
Signs and banners  
Estates

Farm lighting  
Park lighting  
Walkway lighting  
Moorings & Marinas  
Estates  
Car Park lighting  
Street Lighting

***Car Park Lights®***  
***DBS3000 multi-directional solar street lights***  
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# Car Park Lighting

*DBS3000 Series multi-directional solar street lights*

## DBS3000 series multi-directional technical values

### 4350lm LED Luminaire for large open remote applications

#### Lighting features

12v LED	4350 Lm
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)	<b>4000- 4350</b>
LUM EFF (lm/W)	145
Power supply	24 VDC
Power consumption (W)	30
Electrical insulation class	III (SELV)
Automatic charge control regulation	5-6 hours to fully charge battery
Autonomy	2-3 days
Luminous flux	100%
LED thermal protection	Control of heat -25° C ~ 60° C
Solar panel	Mono-crystalline (25 years life) matched to suit location
Battery	Lead acid battery (800 cycles) matched to solar panel
Fixing	100-114mm diameter @ 6m
Tilt angle	0-30°
Protection degree	IP65
Weight	45kg
Space between lights	12-18m
Size	850 x 430 x 120mm
Standard warranty	60 months



#### BDS luminary:

- Units will provide lighting from dusk at 100%.  
This is a fully automated system to provide light using the full capacity of solar irradiance available.  
P.b batteries excluded from warranty

E.&O.E.



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