

DBS161B one piece solar powered lighting system

This one piece lighting system is designed for schools security & path lighting. The solar panel is encased out of sight within the frame construction. The solar panel is sized to capture all available sunlight in a given place from the suns horizon each day.

According to this design, the energy is stored in a high performance lithium battery which then distributes the stored charge to illuminate this luminary from 30% to 100% at times when required through a microwave sensor system. This sensor allows pedestrians to activate the light as close as 10m. Then it illuminates to 100% for one minute or until pedestrians are out of sensor range.

This solar path lighting system has been designed around LED luminaries running @ 500-3000lm maximum power. The low level DBS161B solar path light will operate from dusk (based upon localised historical evidence) Ask for full details relating to your location..

The quality of components used within the system, and the warranty of the products within the package offer long life performance. If you require a larger capacity, we offer a design service coupled with after sales backup. We are able to provide a system that is designed to suit any location. Our company fully understand the requirements needs involved within energy storage. We have 20+ years experience in battery management and storage



Applications for DBS161B one piece deluxe solar 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

Car Park Lights®
DBS161B solar lights
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Schools security lighting

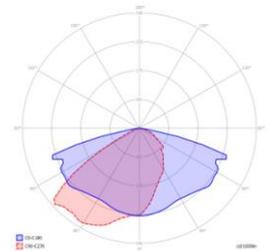
DBS161B one piece solar security lights

DBS161B delux one piece car park technical values

500-3000lm LED Luminaire for remote security applications

Lighting features

12v LED	500-3000 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)	405- 3000
LUM EFF (lm/W)	135
Power supply	12 VDC
Power consumption (W)	5-24
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	25-100w Mono-crystalline (25 years life)
Battery	BYD Lithium – ion battery (2000 cycles)
Fixing	60-89mm diameter
Tilt angle	0-30°
Protection degree	IP65
Weight	11.5kg
Space between lights	10-15m
Size	800 x 430 x 120mm
Standard warranty	36 months



BDS 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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