

## DBS160 multi-directional solar powered lighting system

This multi-directional lighting system is designed for path and walkway lighting. The solar panel is mounted separately to point towards the sun's horizon. Solar panel 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 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 @ 1350lm maximum power. The low level DBS160 solar path light can automatically 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 DBS160 Multi-directional solar lighting

- |                    |                    |
|--------------------|--------------------|
| Community lighting | Farm lighting      |
| Path lighting      | Park lighting      |
| Wildlife lighting  | Walkway lighting   |
| Gate lighting      | Moorings & Marinas |
| Un-adopted areas   | Estates            |
| Footpaths          | Car Park lighting  |
| Signs and banners  |                    |
| Estates            |                    |

***Car Park Lights®***  
***DBS160 solar lights***  
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# Car Park Path Lighting

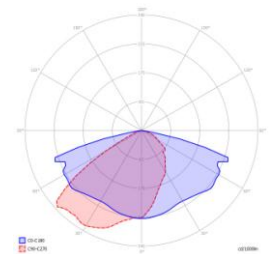
DBS160 multi-directional pedestrian solar path lights

## DBS160 multi-directional technical values

LED Luminaire @ 1350lm for remote applications

### Lighting features

12v LED	1350 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>405- 1350</b>
LUM EFF (lm/W)	135
Power supply	12 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	30-100%
LED thermal protection	Control of heat -25° C ~ 60° C
Solar panel	Mono-crystalline (25 years life)
Battery	250wh BYD Lithium – ion battery (2000 cycles)
Battery discharge time	8-10 hours
Fixing	76mm 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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