

## DBS Slim line high performance solar powered car park lighting system

This lighting system is designed for car park lighting. The solar panel is frame mounted as construction. The solar panel is sized to capture all available sunlight in a given place from the suns horizon each day pointing south.

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 this can be set by us to work only when required. PIR triggered by pedestrians within 10m of sensor range.

This solar car park lighting system has been designed around LED luminaries running @ 1080-1620lm maximum power. The low level DBS slim line solar car parking light can operate from dusk until dawn (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.



### Applications for slim line solar lighting

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

**Car Park Lights®**  
*Slim line solar car park lights*  
Tel: 01646 600151  
E: [info@carparklights.co.uk](mailto:info@carparklights.co.uk)



# Car Park Lighting

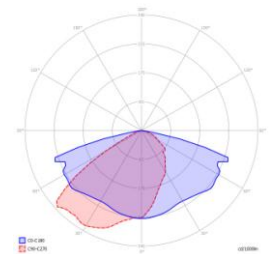
*Slim line solar car park lights*

## Slim line car park technical values

## 2025lm LED Luminaire for remote high performance applications

### Lighting features

Philips LED Light Source	1080-1620 Lm
12v LED	85
Minimum CRI (colour rendering index)	4000-6000k
Colour temperature	Asymmetric for street/car park lighting
Optic	Batwing spread
LED's	2000- 2025
Initial luminaries flux (lm)	135
LUM EFF (lm/W)	12 VDC
Power supply	8-12
Power consumption (W)	III (SELV)
Electrical insulation class	5-6 hours to fully charge battery
Automatic charge control regulation	2-3 days
Autonomy	30-100%
Luminous flux reduction value	Control of heat -25° C ~ 60° C
LED thermal protection	Mono-crystalline (25 years life)
Solar panel	
Battery	BYD Lithium – ion LiFePO4 (2000 cycles)
Fixing	89mm diameter
Tilt angle	0-30°
Protection degree	IP65
Weight	14kg
Space between lights	10-15m
Size	900 x 430 x 120mm
Standard warranty	60 months



### Slim line luminary:

- PIR units will provide lighting from dusk @ 30% brightness; these are pedestrian sensor activated within 10m to 100% or
- Set by us to work only when required. PIR triggered by pedestrians within 10m of sensor range @ 100%

This is a fully automated system to provide light using the full capacity of solar irradiance available.



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