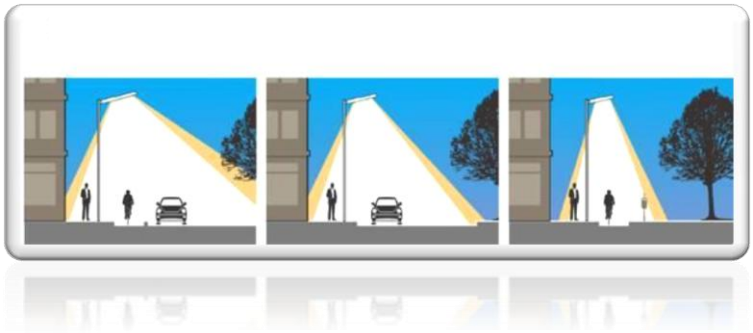
DBS Slim line high performance one piece solar powered car park lighting system



This one piece lighting system is designed for car park 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 car park lighting system has been designed around LED luminaries running @ 2025lm 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. DBS Battery management and storage solutions.

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
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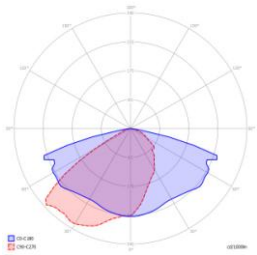
Car Park Lighting

Slim line one piece solar car park lights

Slim line one piece car park technical values

2025lm LED Luminaire for remote high performance applications

Lighting features



Philips LED Light Source	
12v LED	2025 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)	2000- 2025
LUM EFF (lm/W)	135
Power supply	12 VDC
Power consumption (W)	15
Electrical insulation class	III (SELV)
Automatic charge control regulation	5-6 hours to fully charge battery
Autonomy	2-3 days
Luminous flux reduction value	30-100%
LED thermal protection	Control of heat -25° C ~ 60º C
Solar panel	70w Mono-crystalline (25 years life)
Battery	BYD Lithium – ion LiFePO4 (2000 cycles)
Fixing	89mm diameter
Tilt angle	0-30º
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%.

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

12 V CE III IP65 DARK SKY FRIENDLY RHOS

E.&O.E.

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