

## Slim line one piece solar powered lighting system

The slim line one piece clamp onto existing lamp post lighting system designed around style. The solar panel is encased within the construction. This solar panel is sized to capture all available sunlight in a given place in the UK.

According to this design, the energy is stored in a high performance lithium battery. This will then distribute the stored charge to illuminate our low voltage luminary from 30% to 100% 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.

When selecting a solar path lighting system. Customers should consider the height requirements, the luminosity of the LEDs. 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 should be able to provide a system that is designed around 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 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 retro fix solar lights*

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# Car Park Lighting

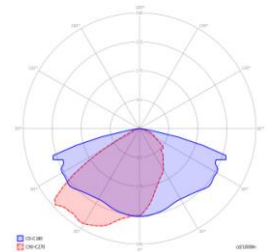
*Slim line one piece pedestrian activated solar lights*

Slim line one piece clamp on car park technical values

LED Luminaire for remote applications

## Lighting features

Philips LED Light Source	800-2000 Lm
12v LED	85
Minimum CRI (colour rendering index)	4000-6000k
Colour temperature	Asymmetric for street/car park lighting
Optic	Batwing spread (12 x 1w)
LED's	1750- 1900
Initial luminaries flux (lm)	135
LUM EFF (lm/W)	12 VDC
Power supply	5-15w
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	100w Mono-crystalline (25 years life)
Solar panel	
Battery	40Ah BYD Lithium – ion LiFePO4 (2000 cycles)
Battery discharge time	10-12 hours
Fixing	76-89mm diameter
Tilt angle	0-30°
Protection degree	IP65
Weight	14kg
Space between lights	10-15m
Size	1200 x 430 x 120mm
Standard warranty	24 months



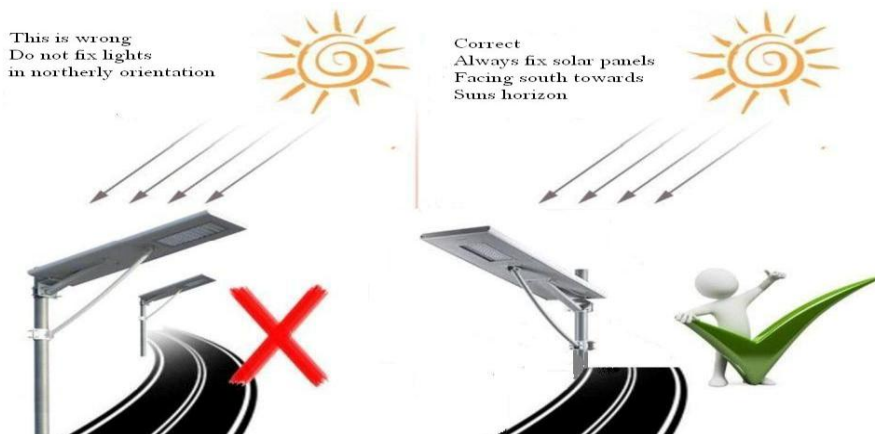
Slim line luminaire:

- 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.



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