

# Car Park and walkway Lighting

## Multi-directional solar lights

DBS150 Series multi-directional solar powered lighting system

The lighting system is designed for car park, walkways, and large areas as an off grid lighting solution. The solar panel mounted at the top of post, close coupled to all electronic equipment. Panel is easily pointed towards the sun's azimuth energy, capturing all available sunlight in a given place. The light arm then can be set to point in the desired direction.

Multi-directional lights formats:

- 8w @ 1080lm = 3500-4000k (5 LUX)
- 12w @ 1620lm = 3500-4000k (8 LUX)
- 15w @ 2025lm = 3500-4000k (10 LUX)

We can factory set these:

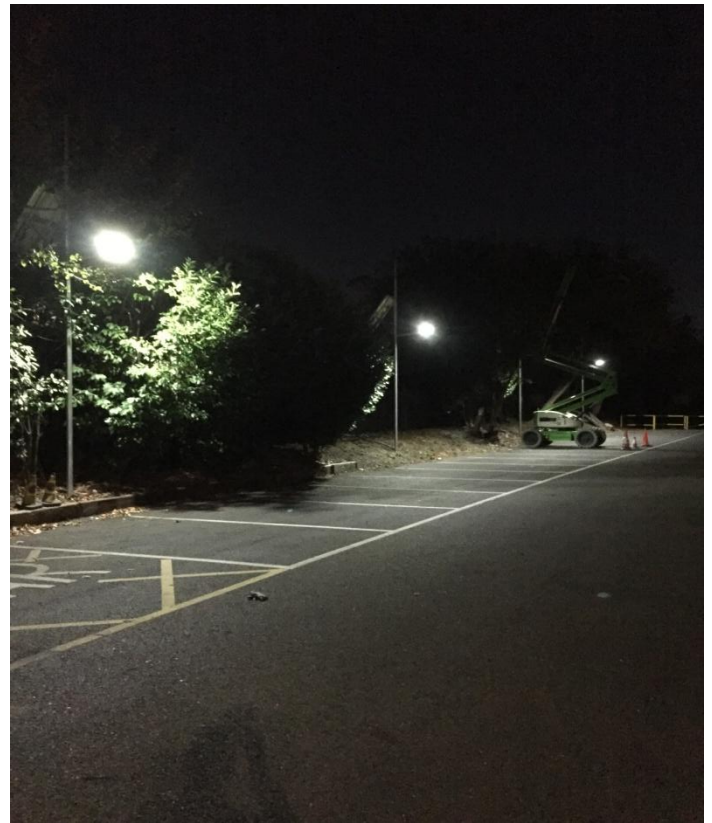
- Off until required (sensor operated)
- Working @ 30% background until sensor is activated to 100% for 1 minute or until out of sensor range (Sensor 10m circumference)

Our lights work automatically from dusk using the stored energy produced during the day. Lights go into autonomous charge mode at sunrise during 24 hours cycle.

The solar light provides illumination from stored energy captured in lithium-ion battery system. This provides working parameters from dusk until dawn, (based upon localised historical evidence)

The quality of components used within the system, provide the end user with a 5 years warranty on all products within the package.

15 years lifelong performance built in. The lights are sized to provide illumination based upon customers location and needs. Our company fully understand the requirements needs involved within energy storage. Our company have 20+ years experience in battery management and storage solutions.



### Applications for DBS150 series multi-directional 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

*Contact details:*

[info@carparklights.co.uk](mailto:info@carparklights.co.uk)

01646 600151

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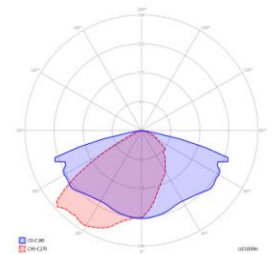


## DBS150 Series multi-directional technical values

### Luminaire for remote applications

#### Lighting features

12v LED	85
Minimum CRI (colour rendering index)	3000-4500k
Colour temperature	Asymmetric for street/car park lighting
Optic	Batwing spread
LED's	1080-1620-2025
Initial luminaries flux (lm)	135
LUM EFF (lm/W)	12 VDC
Power supply	8-12-15
Power consumption (W)	5-8-10
Lux	III (SELV)
Electrical insulation class	4-5 hours to fully charge battery
Automatic charge control regulation	1-2 days
Autonomy	30-100%
Luminous flux	Control of heat -25° C ~ 60° C
LED thermal protection	Mono-crystalline (25 years life) sized to match location
Solar panel	
Battery	lithium-ion battery (3000 cycles)
Fixing	89mm diameter post
Tilt angle	70°
Protection degree	IP65-IK7
Weight	10.5kg
Height	4m above ground level
Space between lights	12-15m
Size	500 x300 x 120mm
Standard warranty	60 months



#### BDS luminary:

- Will provide lighting from dusk at 30% maximum value. This operation when triggered by pedestrians will rise to 100% for one minute or until outside the range of 10m or via microwave sensor or can be set to be off until required.

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

E.&O.E.





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