

PROGRAMMABLE

Each premium light contains a custom built-in smart solar controller, allowing us to set lighting times and outputs. These algorithms are set in our factory prior to dispatch. We aim to provide the correct luminary to match localized requirements and needs.

MICROWAVE SENSOR

Each sensor covers a large 10m area; this offers a wider sensitive angle. Much more stable than traditional PIR sensors.

EXTERNAL SOLAR PANEL

Each Precinct solar street light unit is fully rechargeable and fitted with a suitably selected solar panel. This system enables a permanent fixture of PV panels, which can be positioned in portrait or landscape orientation. Our UK designed and produced system is fully adjustable to match any 360° global horizon where the variation of different latitude or longitude needs can be maintained.

CONNECTION

Using MC4 male & female plugs, the LED lights are directly connected to the solar panel. This is a quick and easy method using high performance cables to reduce power drop.

Precinct light

This product is provided with an extra-large solar panel capacity and battery backup to provide high quality illumination. Even in the event of low sunlight during winter. This will provide solar charging batteries throughout the year.

COMPACT SYSTEM

Each Precinct solar lighting system is complete with microwave sensor controls, battery and solar panel which are designed to match each LED light. Connection of PV panel is to charge battery pack. These luminaries are designed for a quick and easy installation process. (Vandal resistant). All equipment parts are positioned at top of columns using the unique DBS PRECINCT mounting system, this is designed to provide stability and maximum performance.

Every DBS Precinct series finished product is provided with a 5-year warranty built in.

Solar panels: @ 100,000 hours
LEDs @ 60,000 hours
Control equipment @ 22,000 hours
LiFePo4 batteries @ 50,000 hours

Default @ 12 hours operation each day = 10hrs @ 30% background, powered up to 100% when pedestrians or vehicular traffic are within 10m

Voltage of PV	Power of PV	Cell type	Pole height
18V DC	100-200w	Mono/poly	4-7m

Model	LED type	LED Power	Color temp	CRI	Battery capacity	Battery cycle life
DBS Precinct 15w	SMD50/50 lumileds x 64	2800lm	2700-3500K	>79	338WH	5,000 DOD 50%



MATERIAL AND FINNISH

- Case material: ACD12 Aluminum die casting (100% recyclable).
- Finnish: Double layer of powder coated aluminum and PMMA
- Reflector beam angle: 120° horizontal 70° vertical
- IP67 | IK10

ADVANTAGES

- No maintenance requirements
- Lighting 365
- Easy connection
- Separate solar panel
- Built in microwave sensor
- Built in high quality solar panel controller
- External on/off switch
- Battery and controller positioned at top of column

INSTALLATION AND MOUNTING

- 89mm diameter column mounted.
- Stainless steel bolt fixings
- MC4 pre-cabled connections
- Mounting heights from 4-7m depending on illumination level required
- Rechargeable luminaries are delivered ready to install

