

# DBS Solar powered sign lighting system

*This lighting system is designed for car parks, and roadways in rural locations.*

*DBS Multi-directional solar powered sign lighting system*

*Developed for signage these solar road sign lights provide areas without natural light. Designed to allow many places across the UK sign illumination. The signage light units are assembled to allow information to be permanently illuminated from dusk.*

*These can be small signage layouts to large 2.4m pedestrian or motor vehicle information banners. Can be in used in thousands of locations from forestry information, pathways, marina walkway, and access to industrial site layouts. Health and safety information at any location. All regulations pertaining to avoiding accidents can be mounted clearly for everyone to understand.*

*We can design this system to work for the same duration across the country in specific design packages. These can be used in the South of England, Midlands, North of England, and Scotland models to provide illumination each day.*

*By using our system, we can provide 3 days autonomy. By rotating the solar panel towards the suns horizon and fixing separately from the LED sign light increases the solar gain achievable. This then allows the orientation of the LED light to any point 360 degrees at information around either 76 or 89mm posts*

*The solar panel is mounted on the top of the body pointing south. Solar panel is sized to capture all available sunlight in a given place each day. According to this design, the energy is stored in a high-performance battery which then distributes charge to illuminate luminary.*

*Car Park Lights® DBS Solar Sign Lighting System*

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- Features 12v LED
- Minimum CRI (colour rendering index) 85
- Colour temperature 4000-6000k
- LED's Batwing spread
- Initial luminaries' flux (lm) 330
- LUM EFF (lm/W) 110
- Power consumption (W) 3
- Electrical insulation class III (SELV)
- Automatic charge control regulation 4-5 hours to fully charge battery
- Autonomy 2-3 days
- Luminous flux value 100%
- LED thermal protection Control of heat -25° C ~ 60° C
- Solar panel Mono-crystalline (25 years life)
- Battery (800 cycles)
- Battery discharge time 12 hours
- Fixing 60-89mm diameter
- Tilt angle 5°
- Protection degree IP65
- Weight 6kg
- Standard warranty 36 months
- 12v | CE | IP65 | RHOS

W.&O.E.