

DRAGONS BREATH SOLAR

DBS180D Community solar lighting system



The Dragons Breath Solar community lighting system ref: DBS180D is a single directional unit. This is designed so that the lithium battery and controller can be easily changed when required or at the end of serviceable life. Ideal for locations where mains power supplies do not exist. Which is where this slot over top of post design allows the installer a simple task. This solar light slots over 76 or 89mm post. Once switched on using just one button, will start to generate power through its solar engine into lithium batteries for uses when required. This solar lighting system provides the user an instant option of power. This solar light unit can be fixed permanently onto new or existing columns of 4-5m above ground and around 10m apart, this easy assembled unit will allow the installer to finish installation in under 10 minutes. The LED lighting unit then positioned to suit locational needs. A permanent fixture using stainless steel mechanical screws. The solar panel should be angle mounted in its pedestal, to face South pointing towards the Sun's azimuth. While in the Northern hemisphere. The LED light units can then be rotated to illuminate the required area.

We provide this DBS180D solar powered lighting system in two sizes with 4000-5000k @ offering 4,000-8,000 lumens. This type of light unit is classed as a one piece manufactured from aluminium and tested to IP65. This system has been designed to provide optimum output measured against locations up and down the country.

Using high performance Bridgelux LED chip sets, powered by a li-ion (LiFePo4) battery pack to provide up to 3 days autonomy. Electronic MPPT controllers deliver power to the LED's using photocell technology to detect pedestrian and vehicular movement. Providing background illumination from dusk. The function of the controller is to deliver power to LED luminary when needed. this will then trigger the controller to power from 30% up to 100% for 1 minute or until outside of sensor ranges of 10m. The light units should be affixed at 4-5m above ground allowing the solar panel to point near to south as possible. Each product has 5 years warranty.