

DRAGONS BREATH SOLAR

Bespoke vandal resistant solar powered street lighting system



The Dragons Breath Solar vandal resistant lighting unit is designed to work most effectively in winter months. It is delivered using an impact resistant solar panel mounted onto a strong aluminium base plate structure. Affixed to the column using tamper proof fixings.

Each prime solar panel is constructed with top-grade, lightweight polymer material with a thick copper foundation and rated to withstand harsh weather conditions and are almost impervious to corrosion with an overall solar panel efficiency @ 25%. With the solar panel fixture only weighing only 5kg, calculations make the wind loading and weight savings measured against a similar sized glass fronted solar panel of over 50% reduction in mass.

The lighting system has been manufactured to reflect the maximum efficiency available from high performance LED's set-in banks of 60 between an IK10 impact resistant glass panel and the cast aluminium housing. Within the housing we incorporate li-ion (LiFePo4) battery pack to provide 2-3 days built in autonomy. Our electronic controllers deliver power to the LED's using photocell technology, this has been developed to provide background illumination from dusk @ 30%. The sensor within the light unit will detect pedestrian or vehicular movement, this will trigger the controller to power 100% for 1 minute or until outside of sensor ranges of 10m.

The light units are affixed onto an arm that can be mounted above or below the solar panel, allowing the solar panel and arm to be set separately. This allows the solar panel to always point south to pick up the maximum solar gain following the Sun's azimuth each day.

Each product has 5 years warranty

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