Verdant Luminous is an intelligent smart street light solution that integrates the best energy saving components all in one box. During the day, the highly efficient solar panel transforms sunlight into energy and stores them into the high capacity lithium-ion battery. Thus, LED will be automatically turned on at night. When motion is detected, LED increases in brightness to provide abundance lighting for anyone within radius area. After 20 seconds upon absence of motion, the light reduces its brightness to conserve power. This intelligent feature allows Verdant Luminous to automatically switch to power saving mode which enables a longer usability period as compared to a similar solar lighting system.

Key Components
- High Efficiency Monocrystalline Solar World Solar Panel (Germany)
- Smart Controller with Micro Computer MPPT Function
- Energy Saving LED Bridgelux Bulb
- High Accuracy Infrared Body Sensor
- High Capacity Lithium-Ion Battery

Typical Applications
Residential Streets, Private Driveway, Walking Paths, Parking Lots & Industrial Areas

<table>
<thead>
<tr>
<th>Model</th>
<th>LED (W)</th>
<th>Panel (W)</th>
<th>Battery Size (Ah)</th>
<th>Suggested Pole Height (m)</th>
<th>Sunlight Needed to Charge Full Battery (Hr)</th>
<th>Luminous Flux at 100% (Lm)</th>
<th>Illuminance at Ground Level (Lux)</th>
<th>Working Hours (Hr)</th>
<th>Luminous Flux at 100% (Lm)</th>
<th>Illuminance at Ground Level (Lux)</th>
<th>Working Hours (Hr)</th>
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</tbody>
</table>

1. Sun irradiance at 1000W/m²
2. Illuminance at Ground Level on IES Standard & JKR Guideline for Car Park is 30 Lux
3. LED Working hours is based on fully charged battery

Easy Installation
Automatic Dimming
Configuration Timer
IP65 Rating
5 years general warranty except battery (2 years)
Superior European Components Quality
Best Price Quality Ratio
Environmental Friendly