

AE6

Solar Street Lighting

The AE6 is our brightest and most powerful solar street light, providing outstanding performance, even through the winter months.

With solar panels varying from 150W to 300W and a battery capability of up to 2,458Wh, this module is optimal for lighting larger outdoor public areas. It is also possible to upgrade your setup to 2 lights and 2 panels to provide further output should it be required - that's double the performance!

The light delivers sustained and reliable all-night power by integrating key electronic components. Efficiency is optimised and reflective solar energy is captured with double-sided monocrystalline PV units.

Smooth and responsive dimming is enabled using a Pulse-Width Modulation (PWM) smart-controller that activates via the motion sensor built into the system.

Pre-programmed LED power outputs enable usage of smaller batteries and solar panels whilst continuing to provide sufficient light as required. A dual and innovative LiFePO4 lithium-ion battery system withstands repeated charging and discharging cycles.

The world class LED chips ensure up to 15 years of crisp and bright illumination.

This is a standalone solution made to setup-and-forget.

Key features:

- Lithium-ion Battery System
- Smart Controller
- Monocrystalline Solar Module
- Advanced LED Lighting System
- 5 Years Warranty

Suitable applications include:

- Recreation Areas
- Shared Pathways
- Roads & Streets
- Car Parks

Our solar street lights are simple, quick and economical to install. Column specification in line with the applicable standards must be considered when selecting this product. Prolectric services limited would be pleased to discuss the properties of our solar street lights, to assist you in the selection.

Prolectric cannot accept responsibility for your final selection or installation of the streetlights unless we agree in writing to carry out such selection or installation.



Lighting Designs

Custom lighting designs available, meeting British Lighting Standards.



Low Cost

Installation costs are halved and no on-going running costs.



No Mains Power

No need for trenches or cabling, external electricity or a DNO connection.



5-Year Warranty

Cover on all parts of the lights and solar panel.



3-PIR Sensors

The only light offering detection for a wider range of motion.

Our customers include



Magna



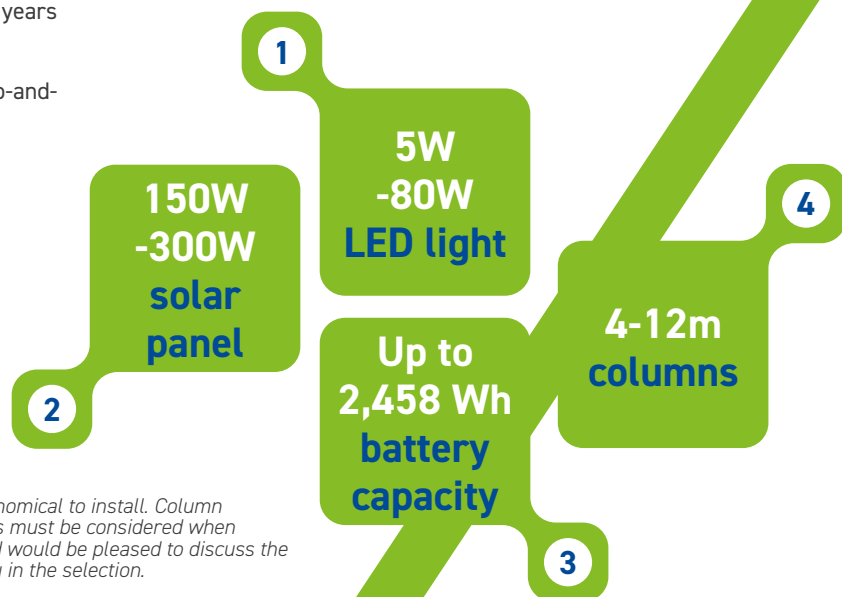
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Ministry of Defence



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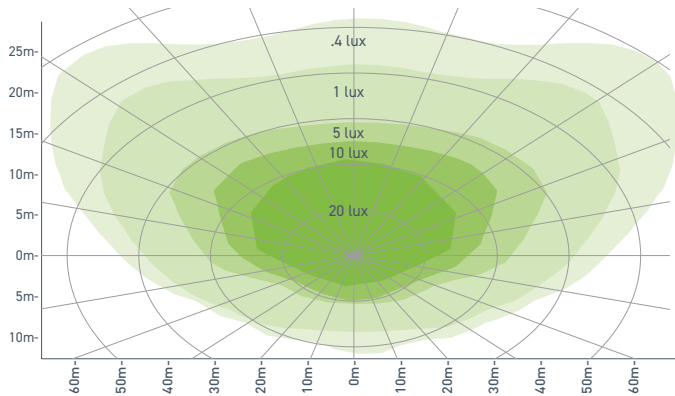


AE6 Solar Street Lighting

80W LED
lamp
with up to
14,800
lumens



AE6 Light Range



AE6 Area
1x80W Lamp
6m Column
22° Tilt
.5m Outreach

20 lux to 216 sqm
10 lux to 375 sqm
5 lux to 565 sqm
1 lux to 1,183 sqm
.4 lux to 1,726 sqm



Solar Panels

PV peak	150W - 300W
Dimensions: 150W	1122 (L) x 732 (W) x 149 (D) mm
Dimensions: 200W	1582 (L) x 732 (W) x 149 (D) mm
Dimensions: 300W	1512 (L) x 1082 (W) x 149 (D) mm
Net weight *Including Bracket	150W: 27.7 kg 200W: 39.7 kg 300W: 45 kg

Batteries

Battery specification	2x LiFePO4 lithium-ion battery
Battery capacity *An additional battery can be added to give 2,458 Wh total	150W: 64Ah (820Wh) 200W: 96Ah (1229Wh) 300W: 96Ah (1229Wh)
Backup power *Based on 100 PIR triggers *Battery addition increases up to 5.5 days	Battery backup at 20W for up to 2.3 days 200W/300W
Standard working mode *Custom profiles on request	8 hours at 30% - 100% brightness for 30s when motion is detected

Lights

Power	5W - 80W LED
Dimensions	650-800 (L) x 180 (W) x 97 (D) mm
PIR	3-PIR sensor with wider range of motion detection
Net weight	3.5 kg

Applications

The series provides solar lighting for areas such as car parks and perimeter lighting, coastal areas and slipways, security and entrance lighting, construction and industrial sites and rural and remote area lighting, amongst others.

5  **YEAR**
WARRANTY

Prolectric Services Limited advises the purchaser of this product to ensure it or a suitably qualified engineer has considered all applicable industry standards, wind loadings, suitability of the terrain where the customer intends to use this product and foundation requirements before selecting, installing and using this product.

