

# AE3

## Solar Street Lighting

**T**he AE3 is a medium to high power solar street light integrating all components such as the solar panel, outdoor LED, LiFePO4 battery, intelligent controller and PIR sensor together. Such design makes the installation and maintenance easy, saving labour and maintenance costs.

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 Guarantee

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

**VIVO**

**Persimmon**  
Together, we make your home

**NORTH AYRESHIRE**  
COUNCIL

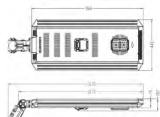
**North Somerset**  
COUNCIL

**Vistry Group**

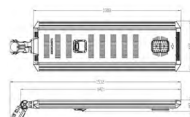
**BRISTOL**  
CITY COUNCIL



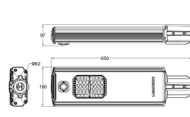
**AE3-60**



**AE3-90**



**RS10**



1

Up to  
90W  
solar  
panel

5W or  
10W  
LED light

2

Multiple  
applications

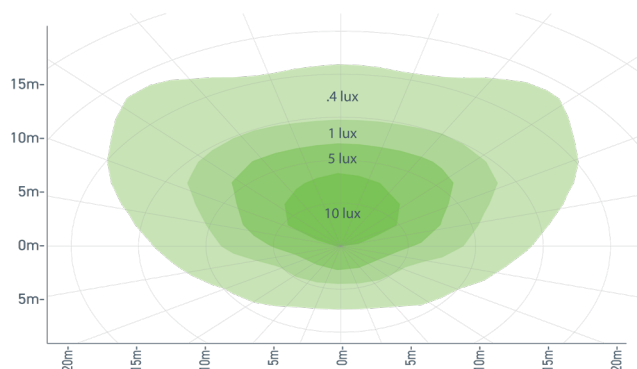
3

# AE3 Solar Street Lighting

10W LED  
lamp  
with up to  
1800  
lumens



## AE3 Light Range



AE3 Area  
1x10W Lamp  
5m Column  
22° Tilt  
.5m Outreach

10 lux to 29 sqm

5 lux to 108 sqm

1 lux to 351 sqm

.4 lux to 535 sqm



### Solar Panels

|                 |                                    |
|-----------------|------------------------------------|
| PV peak         | 60W or 90W                         |
| Dimensions: 60W | 1079 (L) x 440 (W)<br>x 102 (D) mm |
| Dimensions: 90W | 1421 (L) x 440 (W)<br>x 102 (D) mm |
| Net weight      | 60W: 15.3 kg<br>90W: 19.6 kg       |

### Batteries

|                       |  |
|-----------------------|--|
| Battery specification | 2x LiFePO4<br>lithium battery                                  |
| Battery capacity      | 60W: 24Ah (308Wh)<br>90W: 48Ah (615Wh)                         |
| Working mode          | 8 hours at 30% - 100%<br>brightness when<br>motion is detected |

### Floodlights

|            |                                  |
|------------|----------------------------------|
| Power      | 5W or 10W LED                    |
| Dimensions | 640 (L) x 180 (W)<br>x 97 (D) mm |
| Net weight | 3.2 kg                           |

### Applications

The series provides solar lighting for areas such as street lighting, parks and recreation areas, public areas, bus stops and shelters, car parks and perimeters, marinas and harbours and footpaths, amongst others.

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.

