

## Solar Street & Security Lighting

### Solar Street Lighting from Bright Light Solar Ltd

With over 20 years experience of working with solar technology in the UK, Bright Light Solar Ltd has developed a range of high quality and reliable solar street lighting systems. Solar street lighting systems are designed to operate as one integrated system. This system includes the power generation, storage and management (solar panels, battery & controller) as well as the light itself, support frame & weatherproof housing. All our solar street lights can be configured to turn on and off using a wide range of options between dusk and dawn. The controller automatically adapts to the changing length of day through the year, to ensure the light switches on and off at the correct times. We offer a range of lighting options - from smaller security/street lights using compact fluorescent lighting to systems with greater light output that use low-pressure sodium lighting technology (SOX-E). SOX-E is widely recognised as the most effective and efficient technology available to produce high intensity lighting using solar power. All systems are designed to attach to the top of a lighting pole or side of a building. Due to dimensions, lighting poles are usually purchased locally but are also available for purchase - please ask for details.



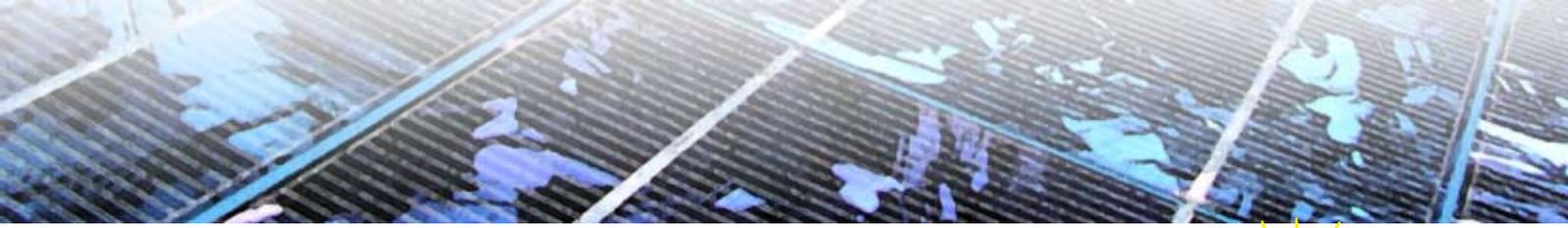
### SOX-E (Low Pressure Sodium) Street Lighting

SOX-E solar street lighting solutions are most appropriate for areas that need high-light intensity to cover high traffic areas such as pathways, car parks & building entrances. Systems come complete with all the necessary components, and street poles are also available upon request.



All systems included: Low-pressure sodium street light (SOX-E), lampholder, lighting ballast (for switching SOX-E lighting), multicrystalline solar modules, sealed gel solar battery to provide up to 4 days of backup, wiring, charge controller, support frame, weatherproof housing & installation instructions.

Prices & additional photos overleaf



## Street Lighting Systems

### SOX-E (Low Pressure Sodium) Street Lighting

#### Option 1:

18 Watt SOX-E system with 130 Watt solar panel array: Cost: £1275 + VAT

Details: 1800 lumen light intensity output, sealed gel solar battery, galvanised weatherproof steel framework & housing.

UK operational design: Dec-Jan 6 hours, dusk to dawn Apr-Sept

Additional 65W panel & framing (50% extra power - up to 9 hours mid winter): £400 + VAT

UK Year-round Dusk to Dawn operation (up to 17 hours): 270 Watt Sunpower mono crystalline array with MPPT controller: £1975 + VAT



#### Option 2:

26 Watt SOX-E system with 160 Watt solar panel array: Cost: £1475 + VAT

Details: 3700 lumen light intensity output, sealed gel solar battery, galvanised weatherproof steel framework & housing.

UK operational design: Dec-Jan 4 hours, dusk to dawn Apr-Sept

Additional 80W panel & framing (50% extra power - 6 hours mid winter): £440 + VAT

### Compact Fluorescent Street Lighting

#### Option 3:

12 Watt Compact fluorescent system with 80 Watt solar panel array: Cost: £895 + VAT

Details: 550 lumen light intensity output, sealed gel solar battery, galvanised weatherproof steel framework & housing.

UK operational design: Dec-Jan 5 hours, dusk to dawn Apr-Sept

Additional 80W panel & framing (10 hours mid winter): £425 + VAT



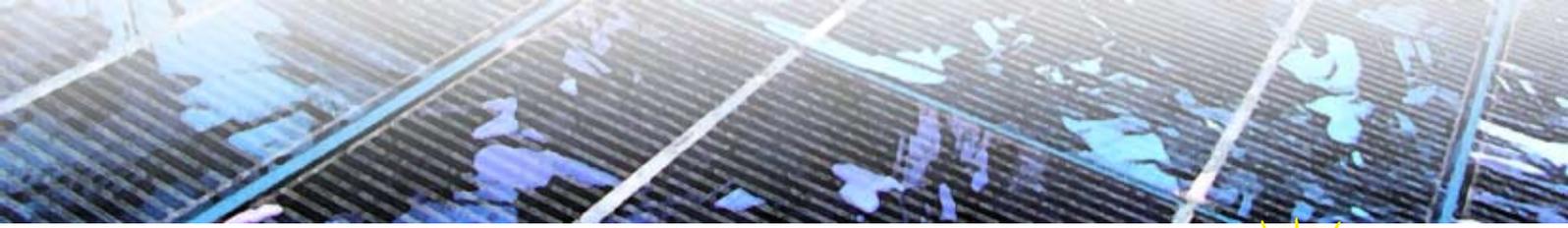
#### Lighting Poles - reinforced galvanised steel

4 or 5 metre: £295 + VAT, 10 or more £235 + VAT

6 metre: £325 + VAT, 10 or more £255 + VAT

Alternative configurations also available

#### Additional Photos Overleaf



## Street Lighting Systems



### SOX-E Solar Lighting Systems



### Compact Fluorescent Lighting Systems



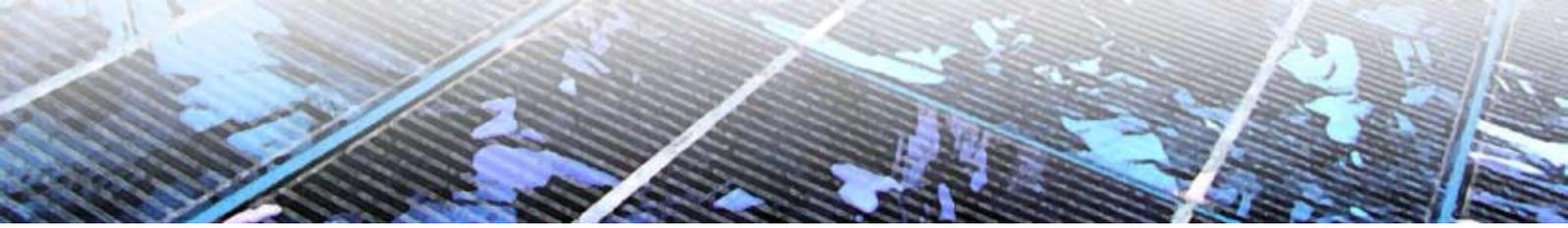
Please note that systems can be adjusted up or down in size according to your specific lighting requirements. The systems described in this brochure have been sized for the typical light intensity conditions of the UK. The main constraint for solar lighting in the UK is the limited light availability in the winter months (particularly December & January). System sizes, and therefore prices, are largely determined by the need to produce sufficient power through these months. If you are able to reduce the number of hours of operation during these months (or do not require lighting at all, for example at a location where demand is seasonal), a significantly smaller solar power system will be required. All lighting systems are programmable to switch on and off at specific times between dusk and dawn.

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