

Zeta Solar Shelter Lighting Kit

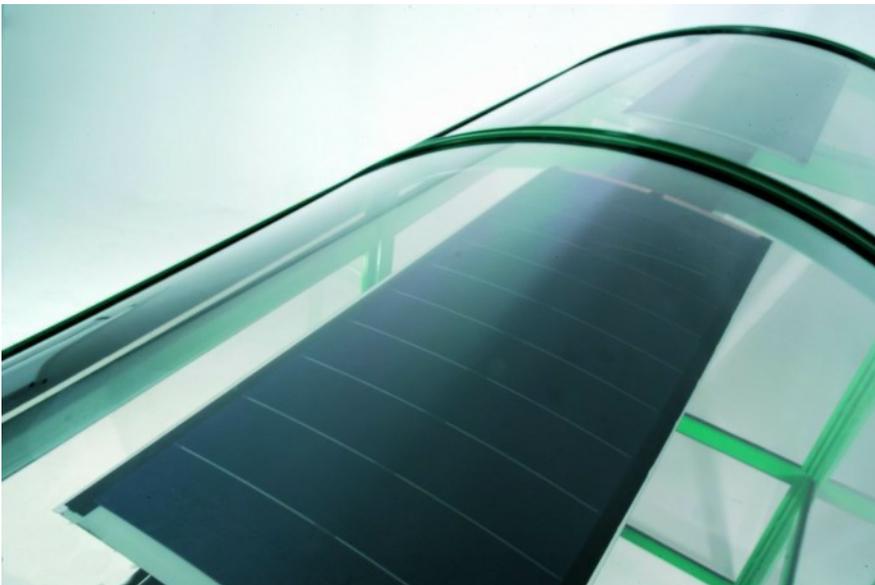
zeta
Specialist Lighting

Zeta Specialist Lighting is the UK market leader in solar powered LED shelter lighting with over 4,000 installations nationwide.

Zeta's Solar Shelter Lighting Kit gives local authorities and councils the ability to install illuminated shelters wherever they are needed, including remote areas where mains electricity is not an option.

Specially manufactured vandal resistant solar PV panel is attached to the roof of the shelter. The energy is stored by the AGM batteries - which are known for their long life. At dusk, the innovative Energy Management System (EMS) releases the stored energy and uses it to power high intensity LEDs.

The system maintains a constant low level of illumination until a passenger enters the shelter and activates the built in PIR detector. The light levels then gently increase and remain fully activated until the passenger has vacated the immediate area.



Features:

- Long life AGM batteries
- Innovative EMS
- Vandal resistant solar panels
- High intensity LEDs
- Eliminates light pollution
- High reliability
- Enhanced public safety
- Energy and cost saving
- Carbon saving



Applications:

- Exterior
- Remote areas
- Rural areas
- Urban areas

Specifications

Warranty	3 Years*
IP Rating	IP67
Beam Angle	120°
Average Rated Life (Luminaire)	100,000 hrs
Average Rated Battery Life	7 years
Ambient Temperature Range (°C)	-20 to +50°C
Input Voltage (V)	AGM Batteries
Driver	PS800

*Standard warranty period is 3 years, once registered the warranty increases by a further 2 years.

Zeta offers a bespoke service that ensures reliable year-round operation for the specific project area

System Components

Solar systems depend on intensity of light, not necessarily direct sunlight. Zeta has designed their own unique Energy Management System (EMS) to optimise the energy collection from the solar panels and to manage the power in the batteries.

The Energy Management System regulates the amount of power consumed by the LED's at night and maximises the power going into the batteries by day. This optimisation of charge ensures reliable, year-round performance.

Maintenance free Zeta AGM Batteries are stored within the shelter and are easily accessible should they require replacement. These batteries are ideal for solar applications and work perfectly in conjunction with the Zeta PS800 Controller, Zeta's intelligent Energy Management System.

Our AGM battery storage systems give reliable operation throughout the year and the ability to operate during typical winter months for over 30 days with no solar gain.

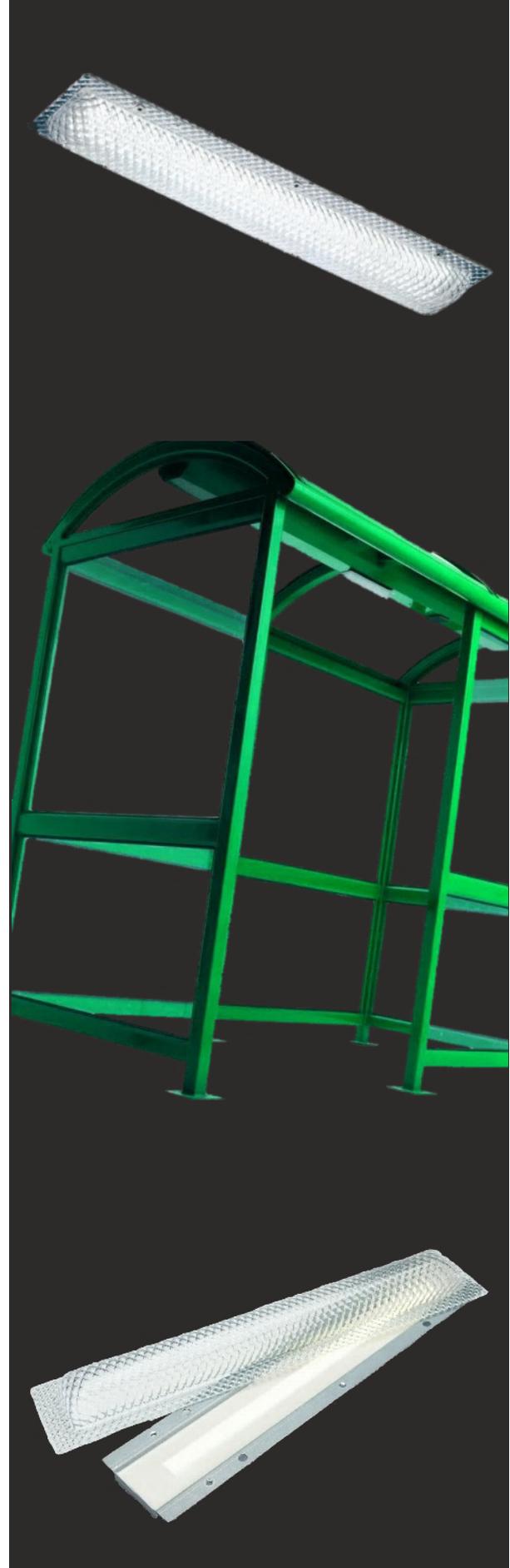
The kit incorporates vandal resistant Flexible PV Panels mounted on top of the shelter, creating an innovative solution for maximum solar capture and enhanced durability.



For more information visit: www.zetaled.co.uk

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