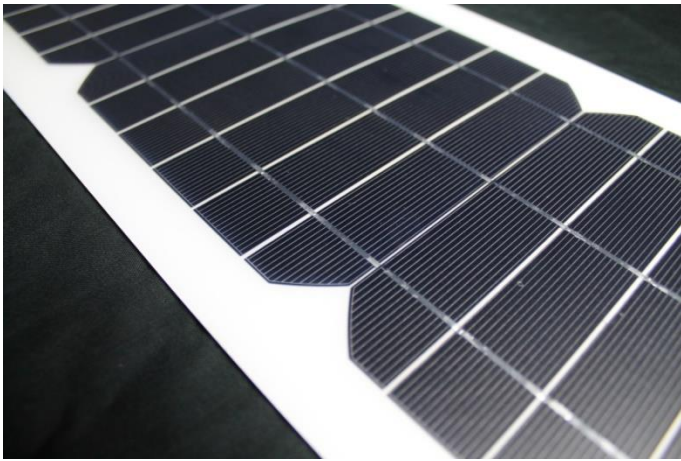




# SOLAR KIT COMPONENTS

# Key Components – Zeta Aluminium Backed PV Panels



Durable and discreet solar panels that harness the sun's energy throughout the day.

## **Zeta Aluminium Backed PV Panels**

High tech polymer

Peel and stick application

Flexible

Robust – vandal resistant technology

Shadow tolerant

Thickness of just 2.5mm for discreet fitting

Lightweight

Weather resistant

# Key Components – Zeta AGM Batteries



The sun's energy is stored by the AGM batteries which are known for their long life. Housed in an IP65 rated, vandal resistant box.

## Zeta AGM Batteries

Re-chargeable

Long life

High efficiency

High charge acceptance

Leak proof construction

Epoxy terminal seals – resist electrode creepage

# Key Components – Zeta PS800 Controller



Zeta's Energy Management System (EMS) optimises the energy collection from the solar panels and manages the power in the batteries.

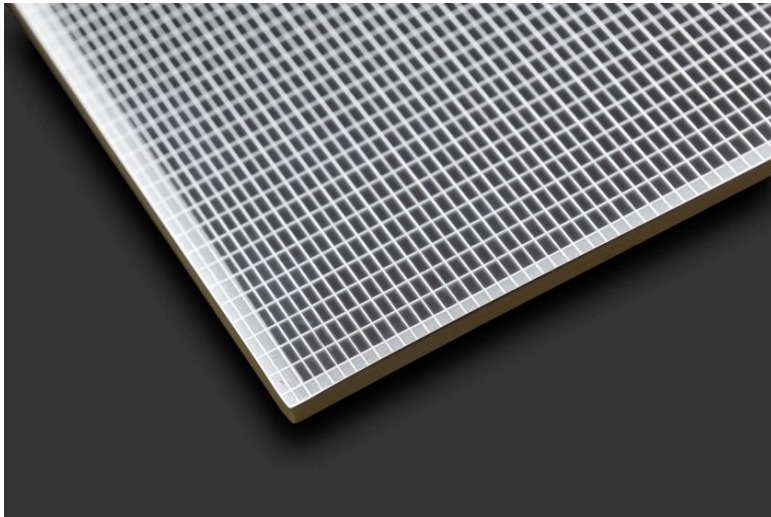
The EMS regulates the amount of power consumed by the LED's at night and maximises the power going into the batteries during the day. This clever optimisation of charge ensures reliable, year round performance.

Prior to installation, the controller can be programmed with lighting on/off times to suit the needs of the customer and the application.

## **Zeta PS800 Controller**

- Energy balancing
- Controllable timings
- PIR interface
- Low current consumption
- Sleep mode
- Weatherproof (IP65 rated)

# Key Components – Zeta Light Guide Panel

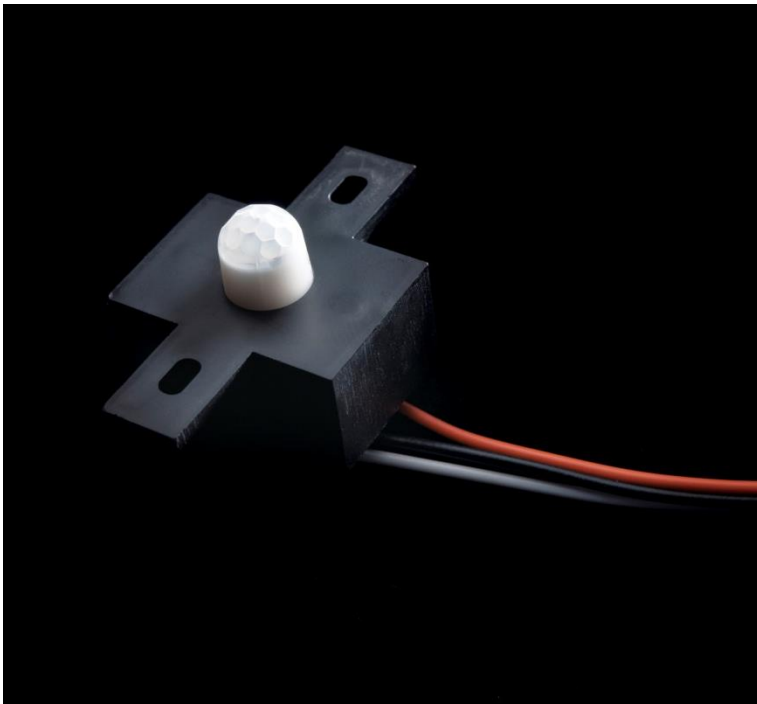


Each Light Guide Panel is made from the highest quality UK acrylic and is etched with a unique, optimum performance grid pattern. This pattern ensures optimum light spread and shadow free illumination.

## **Zeta LGP:**

- Bright, even illumination
- Single or double sided options
- Unique grid etching pattern
- Highest quality UK acrylic
- Slim profile – from 6mm
- Highly efficient LEDs
- Made in the UK
- Suitable for outdoor use
- Range of colour temperatures available
- RGB options

# Optional Components – Zeta PIR Detector



The system maintains a constant low level of illumination until a passer-by is near which activates the built in Passive Infra Red technology (PIR).

The light levels will then gently increase and remain fully activated until the passer-by has vacated the immediate area.

The clever design saves energy, whilst not compromising the comfort or security of public users.

# Solar Kit Benefits

- ☑ Environmentally friendly
- ☑ Eliminates light pollution
- ☑ Energy efficient with zero running costs
- ☑ Virtually maintenance free
- ☑ Massive cost savings compared to on grid installation
- ☑ No disruption to traffic or pedestrians
- ☑ Instant installation
- ☑ High reliability
- ☑ Robust and Durable - Anti-vandal
- ☑ Controllability with movement sensitive PIR interface
- ☑ Dimmable and with timer functionality
- ☑ Weatherproof
- ☑ Discreet, PV positioning
- ☑ Even illumination