

Patented white LED light guide offers superior and even illumination



Retro reflective micro-prismatic face

The Zeta Road Sign

Technical Specifications

- Regulated power consumption: 4w
- Power supply: 12V, IP67
- Typical illuminance: >40Cd/m²
- Energy conversion efficiency: >70%
- LED colour temperature: 6,000k
- Photo cell: on request
- UMSUG approval No. 4000150001100
- Weight: dependent on model
- DFT standard compliance



the Zeta Road Sign

The Zeta Road Sign Benefits

- Extra long lifetime (50,000 Hours)
- Up to 70% energy saving
- Reduced maintenance and running costs
- No disposal or annual replacement costs
- Retro fit and new installations
- No overhanging obstructions
- No dark patches or areas unilluminated
- Retro reflective micro-prismatic overlay for wider viewing angle
- Complies with RoHS (no mercury)
- Can be solar powered

About Zeta

Zeta is the leading UK developer and manufacturer of solar powered LED lighting systems. Our innovative solar lighting technology has been installed throughout the UK into street furniture including bus shelters, bus stops and amenity lighting.

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

The energy efficient edge lit LED road sign


LED TECHNOLOGY

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LED TECHNOLOGY

The Zeta Road Sign an innovative and efficient road sign lit by LEDs

Zeta specialise in high efficiency low power LED designs. The Zeta Road Sign is a mains connected LED road sign operating on a low voltage, offering significant energy savings when compared to traditional road signs.

"I want the greenest government ever" *David Cameron*

The government has pledged to cut carbon emissions by 10% over the next 12 months. The Zeta Road Sign is an excellent first step, it has the potential to pay dividends in terms of saving public money through energy efficiency, and contributing towards a sustainable low carbon economy for the future.



Mains System Components

Our unique award-winning Zeta Road Sign incorporates advanced manufacturing techniques that have been specifically designed for use in the challenging environment of street furniture.

Mains powered: the Zeta Road Sign is equipped with an integral mains power supply with a 3m IP67 cable. (Solar powered version available.)

Fitting: the Zeta Road Sign is easy to install and has a full range of adapters to fit all pole shapes and sizes.

Due to the variations of road signage the Zeta Road Sign is available in a variety of designs. All standard TREG signs are covered. If you require a non stock size please contact Zeta or a stockist and ask for more information.

LED lighting: Zeta's highly innovative award winning LED edge lit acrylic panel uses encapsulated low power ultra efficient white LED technology offering superior and even illumination.

The Zeta Road Sign has no exterior lighting arm so there is no obstruction to line of sight for large vehicles and damage to the sign is therefore reduced.

The Zeta Road Sign has a life expectancy of up to 50,000 hours (11–15 years) and offers a reduction of up to 70% power consumption when compared to fluorescent tubes, thereby reducing your carbon footprint.

Features

- **Highly innovative LED illumination:** edge lit acrylic panel offering superior and even illumination (Patent No.1006375.8)
- **Retro reflective micro-prismatic face**
- **Ultra slim**
- **Low operating voltage (12v)**
- **Wide operating temperature:** -30°C to +60°C
- **Sign supplied prewired**
- **Vandal resistant**
- **Passively safe:** when mounted to a 3 inch pole
- **Integral IP67 intelligent photocell:** programmable on/off times
- **Standard aluminium/Di bond 11 gauge back-plate**

Solar System Components

Energy Management System: solar systems depend on intensity of light, not necessarily direct sunlight. Zeta have designed a unique Energy Management System that optimises energy collection from the solar panel and manages the power in the storage batteries.

The Energy Management System regulates the amount of power consumed by the LEDs at night and maximises the power going into the battery by day, this clever optimisation of charge ensures reliable, year round performance.

Built-in data logging: full diagnostics of the system can be downloaded, giving valuable information on frequency of use and system performance data. A GPRS modem sends this data back to a central server allowing continuous monitoring of the complete network.

Sign Approvals

Patent No.1006375.8

UMSUG approval No. 4000150001100

Meets EN 12899-1:2007

Meets EN 60598-2-1

Meets BS 8408:2005

CE compliant

IP67



zeta
LED TECHNOLOGY



Maintenance-free
long-life battery*



Award-winning
intelligent controller*



High-efficiency
photovoltaic solar panel (PV)*

*Components used for
the Solar Road Sign only