

# “Eternity” – The Intelligent Ultra Low Power LED Light Module



## Ultra Low Power LED Light Source – For the Planet

### Features:

- Ultra low power consumption of typically <1W (WAIT) and <3W (Regulatory sign)
- Unique 'Dual LED Strategy' with current monitoring. Primary light source failure, provides seamless operation using the Secondary light source
- Retro fit module - Simple retro fit procedure
- Complete housed module ready to install into new or existing systems
- Provides lamp monitoring facility
- Single circuit board design

### Reliability

- Designed using the latest microprocessor control to provide optimal reliability
- MTBF of >120,000 hours provided by the Primary and Secondary light sources
- The 'Fault' output relay has a MTBF of  $1 \times 10^6$  operations

### Availability

- Standard White LED units are available ex stock
- Custom designed and built LED units are available on request

### Maintainability

- The unit is designed for ease of mounting/removal via two screws

### Failsafe

- The software uses an integral 'watchdog' routine. A latched relay output (optional) and LED indication is provided when the Primary source has failed for use in RMS/UTC applications

### Specification:

- **Supply Voltage:**  
**Regulatory Sign** - <3W @ 240V~  
**Push Button Demand unit** - < 1W @ 48V~
- **Operating Frequency:** 50 Hz
- **Wiring:** Complies to BS: 7671
- **Operating Temperature Range:** -15° C to +60° C
- **Diagnostics:** LED indication of processor running
- **Optical Life Expectancy:** >120,000 hours
- **Signal Chromaticity:** 'Neutral White' (6500K)
- **Dimming:** Regulatory Sign – N/A  
Pedestrian Demand Unit – 160V typical
- **UTC/RMS Lamp Monitoring:** Reply bit (Volt free contacts) reports Primary source failure
- **Physical:** 125x80mm constructed as a double sided format PCB