



- Royce Thompson, a leading brand in the Thomas & Betts Corporation portfolio, has been synonymous with Photo Electronic controls for the street and amenity lighting market since 1963 and continues to lead the market in quality, innovation and service.
- Extensive investment in R&D and patented features such as 'synchronous switching' combined with our unique 'ASIC' (*Application specific integrated circuit*) ensure that Royce Thompson photocells offer the best in low energy consumption, high reliability and long life - helping you, the user, deliver the lowest carbon footprint.
- Royce Thompson products are RoHS compliant, UMSUG rated where appropriate and comply with EMC emission and immunity standards.

### Microstar 1000

*A cost effective miniature photocell for commercial, industrial and residential applications. The Microstar 1000 has unrivalled reliability and switching accuracy. Optimised for critical applications where 'only the best is good enough'.*

#### KEY FEATURES

- 25 year life, with 3 years warranty.
- Inrush Current protection.
- Filtered Silicon Photodiode.
- Patented ASIC Control.
- Extremely accurate switching.
- 'Zero crossover voltage' switching.
- Compact dimensions.
- RoHS Compliant.

#### APPLICATIONS

- Bulkhead lighting.
- Vandal resistant lighting.
- Aesthetic / architectural lighting.
- 'High bay' lighting.
- Floodlighting.
- Tunnel and underpass lighting.
- Car Park lighting.



#### SPECIFICATION

|                              |  |
|------------------------------|--|
| Sensor type                  | Filtered Silicon Photodiode.   |
| Sensor drift                 | Zero over 10 years.  |
| Standard switching level     | 70 Lux 'On', 35 Lux 'Off'.   |
| Switching differential       | 1:0.5.   |
| Operating voltage            | 220 / 270 Vac, 50/60 Hz.   |
| Maximum lamp load (HID)      | 1 x 400W inductive (60µF).   |
| Switching cycles             | 15,000 minimum.  |
| Power consumption            | < 0.5W.  |
| Operating temperature range  | -20 / +80°C.   |
| Warranty                     | 3 years.   |
| Ingress protection ( Lens)   | IP65.  |
| Alternative Switching Levels | Set to meet customers requirements.  |
| Options                      | Positive switching differential, lead lengths to suit application. 17mm lens projection. |
| Dimensions ( mm)             | W 31, L 57, D 25, lens diameter 20, lens projection 25.                                  |

#### STOCKISTS

Royce Thompson products are available through an extensive distribution network. Your local stockist is :-

