



The Microstar Ultra is a miniature unit designed for street lighting applications, being unobtrusive when fitted. The Unit embodies state of the art technology developed by Royce Thompson. At the centre of this technology is the Royce Thompson ASIC chip with filtered photo diode embedded on the same silicone as the control circuitry for greater accuracy under variable temperature conditions.

Engineered for high quality it incorporates either Tantalum or 130c Capacitors for long operational life, carrying a 10 year guarantee with an expected life of 20 years. Only consuming 0.25w power it is also very energy efficient. Load handling is 3 x 400W HPS for 20,000 cycles.



### Technical Specification

| Description  | MICROSTAR 2000     |
|--|--------------------|
| Sensor - silicon photodiode  | Filtered           |
| Sensor Drift   | Zero over 10 years |
| Switching Level 70 Lux (standard, other by request)  | ●                  |
| State Machine  | ●                  |
| Switching Differential Negative (Positive on request)  | 1:0.5              |
| Voltage - 50Hz 230V  | +/-10%             |
| Maximum Lamp Load 3 x 400W HPS   | ●                  |
| Switching Cycles   | 20,000             |
| Power Consumption  | 0.25 Watt          |
| Operating Temperature  | -20°C to +80°C     |
| Certified to - EMC Emission to EN 50081-1<br>EMC Immunity to EN 50081-2<br>BS 2011 Vibration, BS 5972-1980 | ●                  |