



**ROYCE THOMPSON**  
LIGHTING TECHNOLOGY IN CONTROL

# OASIS 2000

## Premium One Part NEMA Photocell

- 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.

### OASIS 2000

*The OASIS 2000 is the best photocell available for applications where accuracy, reliability and long service life are critical; its design excellence is combined with high quality components and an exhaustive test programme to consistently deliver performance. OASIS 2000 is then supported by a 12 year warranty, backed by the Global T&B Corporation.*

#### KEY FEATURES

- 25 year life, with 12 years warranty. \*
- Very low power consumption.
- Filtered Silicon Photodiode.
- Patented ASIC control.
- Extremely accurate switching.
- 'Zero crossover voltage' switching.
- Highly durable sealed body.
- UV Stabilised acrylic plastic cone.

#### APPLICATIONS

- Arterial Roadway lighting.
- PFI Street Lighting Projects.
- Local Authority street lighting.
- Security Lighting.
- Floodlighting.
- Tunnel and underpass 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)      | 3 x 400W inductive (96 µF), 10A.                                       |
| Switching cycles             | 40,000 minimum.  |
| Power consumption            | < 0.25W.   |
| UMSUG Code                   | 9500000.   |
| Operating temperature range  | -20 / +80°C.   |
| Warranty                     | 12 years.  |
| Ingress protection           | IP67.  |
| Surge Protection             | 320J.  |
| Alternative Switching levels | Can be set to meet customers individual requirements.                  |
| Options                      | Conduit bases, 'reverse acting' switching differential, 110 Vac units. |

#### DESIGN AND TESTING CERTIFICATION

EMC Emissions to EN 50081-1.  
EMC Immunity to EN 50081-2.  
Vibration to BS2100.  
IP rating to BS EN 60529/1992.  
Specification to BS 5972—1980, ANSI C136.10 / 1996, ANSI C136.2 / 2004, ESMA 48 / 01.

\* Warranty— Extended warranty periods can be agreed Subject to Contract.

**Thomas & Betts**



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