

- 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.

Nightstar

The 'Nightstar' Part night photocell is the ideal unit for applications where energy saving is vital, but the cost and complexity of a remote monitoring and control system is not justified. It is cost effective to purchase, simple to install and offers cost savings from day one of operation.

KEY FEATURES

- 25 year life, with 10 years warranty.
- Very low power consumption.
- Photo I C.
- Extremely accurate switching.
- 'Zero crossover voltage' switching.
- Highly durable sealed body.
- UV Stabilised acrylic plastic cone.
- RoHS Compliant.

APPLICATIONS

- Rural Roadway lighting.
- Local Authority street lighting.
- Footway and sign lighting.
- Tunnel and underpass lighting.
- Industrial, retail and commercial lighting.
- Car Park lighting.

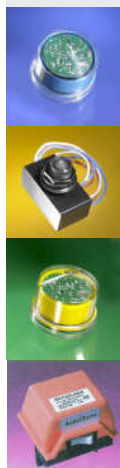


SPECIFICATION

Sensor type	Photo IC.
Sensor drift	Zero over 10 years.
Standard switching level	70 Lux 'On', 35 Lux 'Off'.
Switching differential	1:0.5.
Operating voltage	90-265 Vac, 50/60 Hz.
Maximum lamp load (HID)	2 x 400W inductive (60µF).
Switching cycles	40,000 minimum.
Power consumption	< 0.25W.
Operating temperature range	-20 / +80°C.
Warranty	10 years.
Ingress protection	IP67.
Standard Programme	Dusk 'On' / 2400Hrs 'Off' 0530 Hrs 'On' / Dawn 'Off'.
Custom Programme	Switching points factory programmed to meet Customers requirements.

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.



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