

- 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.

TRISTAR 600

The Tristar 600 is a fully solid state photocell that uses patented ASIC technology for unparalleled switching accuracy. It has a unique self test on initial power up facility and fits the standard D2 base fitting.

KEY FEATURES

- 25 year life, with 2 years warranty.
- Very low power consumption.
- Silicon Photo diode
- Extremely accurate switching.
- 'Zero crossover voltage' switching.
- UV Stabilised acrylic plastic body.
- RoHS Compliant.

APPLICATIONS

- Street lighting.
- Security lighting.
- Floodlighting.



SPECIFICATION

Sensor type	Filtered Silicon Photodiode
Sensor drift	Zero over 10 years.
Standard switching level	30 Lux 'On', 30 Lux 'Off'.
Switching differential	1:1.
Operating voltage	90-265 VacV, 50/60 Hz.
Maximum lamp load (HID)	1x 100W, 12µF PFC.
Switching cycles	40,000 minimum.
Power consumption	< 0.5W.
Operating temperature range	-20 / +65°C.
Warranty	2 years.
Ingress protection	IP54.
Mounting	Standard 'D2' Socket.
Surge Protection	115J MOV.

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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