



Nightstar

Part Night Photocell

Key Features

- Very low power consumption
- Filtered silicon photodiode
- Accurate switching
- 'Zero crossover voltage' switching
- Highly durable polycarbonate sealed casing
- UV stabilised acrylic plastic cone
- Suitable for use with LED, halogen or discharge lighting

Applications

- Roadway lighting
- Local Authority street lighting
- Footway and sign lighting
- Industrial, retail, commercial and car park lighting

The Nightstar photocell is ideal where energy saving is vital, but where the costs and complexities associated with a remote monitoring and control system cannot be justified.

Suitable for a wide range of roadway, amenity and commercial lighting applications, the Nightstar photocell combines highly accurate switching and Part Night capability with simple installation via its NEMA base.

Part Night functionality is designed to deliver cost savings from day one, combining reliable performance with minimal power consumption, as the circuitry includes an inbuilt clock for midnight 'OFF' switching and BST/GMT seasonal changes.

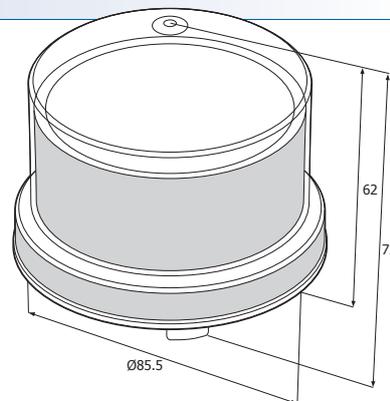


Nightstar Part Night Photocell

Technical Specification

Specification	Description
Sensor type	Filtered Silicon Photodiode
Sensor control	Microprocessor
Standard switching level	70 lux 'On', 35 lux 'Off'. Alternative settings can be factory pre-programmed on request
Switching differential	1:0.5
Operating voltage range	220-270 Vac, 50 Hz
Maximum lamp load	2 x 400 W inductive (96 µF)
Power consumption	0.25 W
Operating temperature range	-20 °C to +60 °C
Ingress protection	IP67
Standard programme	Dusk 'On' / 2400 Hrs 'Off' 0530 Hrs 'On' / Dawn 'Off'
Custom programme	Switching points factory pre-programmable to meet customer requirements
Approvals	RoHS compliant. CE marked and compliant with EMC emission and immunity standards
Dimensions Dia. x D	85.5 x 72 mm

For product order codes or to discuss project requirements, please contact Thomas & Betts or your local representative.



Royce Thompson is the leading photo-electronic lighting controls brand from Thomas & Betts, supporting the street and amenity lighting industry since 1963.

Continuous focus on the provision of high quality, innovative products to the market ensures Royce Thompson photocells offer the best in low energy consumption, reliability and long life - helping you, the customer, achieve optimum performance whilst keeping your carbon footprint to a minimum.



Product selection

Product	Nightstar
Description	Part Night miniature photocell

Individual product order codes subject to final product specification. Codes can be supplied on request from Thomas & Betts. To discuss project requirements, please contact your local representative or Thomas & Betts on (0)113 281 0600.

Warranty of all Royce Thompson products is subject to the standard Thomas & Betts terms & conditions of sale.

Abbreviations:

NEMA - National Electrical Manufacturers Association



FM09470

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