

Westire 8480 Part-Night

LONGLIFE PHOTOCELL

The worlds best dusk to midnight, midnight to dawn part-night switching outdoor lighting control photocell for **cost & energy savings**



Accuracy

The Westire 8480 part-night longlife photocell utilises Westire's Eye Response filter silicon light sensor and microprocessor control. This accurate combination provides the best energy saving and reliable operation.

Longevity

Engineered in the EU with a 35 year design life and manufactured in-house using only high quality, name brand components, the Longlife photocells are renowned in the industry for their unparalleled quality and reliability.

Features & Benefits

- Designed for modern light sources like LED, Induction, Plasma, HPS, HID and many more.
- State-of-the-art micro-controller load switching circuitry for control of sensing time delays and relay assisted triac zero point switch sequencing.
- Universal power supply capable of operating on voltages from 200 to 260 Volts 50/60 Hz.
- Energy efficient design with an average power consumption < 0.25 watts.
- Westire Patented Relay Assisted Triac (RAT) switching technology protects the relay from in-rush current.
- Polycarbonate housing is ultrasonically welded, UV stabilized and rated to IP68.
- Conical cover is self cleaning.
- A full electrical and 48 hour operational burn-in test is performed on every unit before leaving the factory.
- Intertek ETL listed and RoHS compliant.
- Available with up to 840 Joule MOV protection.
- Available as a hard-wired conduit version 8480H photocell type.
- High 20kV surge protection tested and compliant with ANSI C136.10.2017.



General	
Dimensions	77.5 mm D x 76.8 mm H 3.05" D x 3.02" H
Connection	NEMA 3/5/7 Pin ANSI 136.10
Warranty	12 Years 20 Years warranty option plan available

Power	
Mains Supply	200 - 260 Volts AC 50/60 Hertz
Surge Protection	MOV (Metal Oxide Varistor) Meets extreme 20kV surge requirements of ANSI C136.10 - 2017
Average Power Consumption	<0.25 Watts nominal
Maximum Load Current (A)	10 Amps
Load Rating	1.8KVA

Environmental	
Operating Temperature	-40° C to +80° C -40° F to +176° F
Enclosure Protection Rating	IP68
Standards Compliance	RoHS Directive, EN55015, EN61547, EN6100-3-2, EN6100-3-3, ETL UK 773, CSA 22.2. IS EN ISO 9002: 2015, ANSI C136.10, BS 5972

Switching	
Operating Levels	10 to 200 Lux ± 0.025
On/Off, Dusk/Dawn Switching Accuracy	+/- 7% Evening regardless of cloud cover or infrared radiation
Ambient Light sensor	Eye Response IR filtered silicon light sensor
Switching Time Delay	0 to 25 Seconds ON 2.5 to 20 Seconds OFF
Switching Ratio	1 - 0.5 to 1:3 - Inverse ratios available
Switching	Zero Cross

Applications

- Street, road & area lighting
- Security lighting
- Flood lighting
- Campus & all types of facilities outdoor lighting
- All types of industrial outdoor lighting
- Airport perimeter lighting
- Farmyard outdoor lighting
- The 8480H is ideal for hard wiring a photocell into a lighting luminaire in security or severe vandalism areas.
- 8480 photocells are easily fitted to westire's pole or wall mounting brackets & socket Kits.
- Aids delivery of dark skies and reduced energy costs.

8480 Part-Night Dimensions

