

## 8481-H

### LOGLIFE PHOTOCELL

The most accurate  
hardwired photocell  
on the market



### Accuracy

The Westire 8481-H 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 15 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.
- Available in universal power supply capable of operating on voltages from 105 to 305 Volts 50/60 Hz.
- Energy efficient design with a 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 IP67.
- 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



# Technical Specifications

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General	
Dimensions	3.1" Ø x 2.75" H
Connection	Wired 3 cable
Warranty	12 years standard 20 years options

Environmental	
Operating Temperature	-40° F to +178° F
Enclosure Protection Rating	IP67 - Dust tight and immersion tested up to 1m
Standards Compliance	Environmental RoSH, EN55015, EN61547, EN6100-3-2, EN6100-3-3, ETL UK 773, CSA 22.2. IS EN ISO 9002: 2015 ANSI C136.10

Power	
Mains Supply Voltages	105 - 305 Volts AC 50/60 Hertz
Surge Protection	Standard: 132J 4.5kA Optional: 320J 12KA, 420J 20KA Configurations available up to 840 Joules
Average Power Consumption	<0.25 Watts nominal
Maximum Load Current (A)	16 Amps or 10 Amps
Load Rating	1.8KVA/1000 Watts

Switching	
Operating Levels	1 to 19fc ± 0.025
Switching Accuracy	+/- 7% Evening regardless of cloud cover or infra-Red Radiation
Switching Ratio	1 - 0.5 to 1:3 - Inverse ratios available
Ambient Light sensor	Eye Response IR filtered silicon light sensor
Switching Time Delay	0 to 25 Seconds ON 2.5 to 20 Seconds OFF