

# 8480 Part Night

LONGLIFE PHOTOCELL

The most accurate  
outdoor lighting  
photocell on the market



## Accuracy

The Westire 8480 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 200 to 260 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

Autumn 2020

## General

**Dimensions** 78.4 mm Ø x 69.85 mm H  
3.1" Ø x 2.75" H

**Connection** NEMA 3 Pin  
ANCI 136.10

**Warranty** 12 years standard  
20 years options

## Power

**Mains Supply** 200 - 260 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

## Environmental

**Operating Temperature** -40° C to +80° C  
-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

## Switching

**Operating Levels** 10 to 200 Lux ± 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

**Switching Option** Part Night  
Various Options Available