

8480

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,
ANSI 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