

# Westire Mini 24 V AC Low Power Photocell

## Mini Photocells

Reliable dusk to dawn and part-night control, the Westire Mini 24 V AC photocell ensures safe operation of low-power AC LED lighting where protection against electric shock is critical.



## Accuracy

The Westire Mini VFC 12V–48V DC photocell utilizes Westire's Eye Response Filtered Silicon Light Sensor and microprocessor control. This combination ensures precise lighting control, maximizes energy savings, and delivers reliable operation for independent low-voltage outdoor solar lighting installations.

## Innovative

Engineered in the EU with a 15-year design life and manufactured in-house using only high-quality, name-brand components, the MINI-LS photocell is built for long service life and unparalleled quality and reliability.

## Features & Benefits

- **Critical Safety** – Suitable for use where safety is critical
- **Moisture Protection** – Fully encapsulated circuitry and light sensor are impervious to humidity and moisture
- **Condensation Protection** – Fully sealed to IP68, completely overcomes issues caused by luminaire condensation
- **Reliable Electronics** – Advanced electronic circuitry ensures reliability and longevity
- **Factory Tested** – Each unit undergoes full electrical and 48-hour operational burn-in testing before shipment
- **High Load Capacity** – Rated for a maximum load of 5 amps
- **Energy Efficiency** – Energy-efficient design with an average power consumption of only 0.11 W
- **Efficiency Priority** – Suitable for applications where efficiency is of importance
- **AC Compatibility** – Designed to meet the needs of 24 V AC lighting sources while maintaining proven reliability for traditional technologies
- **Durable Housing** – UV-stabilised polycarbonate enclosure provides long-term protection
- **Environmental Compliance** – RoHS compliant design
- **HVAC Integration** – Proven as a critical component in HVAC systems

| General            |                                                                                             | Environmental & Standards |                                                                                                                            |
|--------------------|---------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Dimensions         | Overall Enclosure:<br>55 mm (L) × 33 mm (D) × 48 mm (H)<br>2.16" (L) × 1.3" (D) × 1.88" (H) | Operating Temperature     | -20° C to +80° C<br>-4° F to +170° F                                                                                       |
|                    | Sensor Window:<br>Ø12 mm × 18 mm (M20)<br>Ø0.47" × 0.70" (M20)                              | IP Rating                 | IP68 (100% encapsulated)                                                                                                   |
| Cable Length       | 500mm                                                                                       | Standards                 | Manufactured to:<br>IS EN ISO 9001:2015<br>Designed to:<br>EN 55015, EN 61547, EN 61000<br>3-3, RoHS, ANSI C136.10, BS5972 |
| Design Life        | 25 years                                                                                    |                           |                                                                                                                            |
| Warranty           | 8 years                                                                                     |                           |                                                                                                                            |
| Power              |                                                                                             | Switching & Dimming       |                                                                                                                            |
| Mains supply:      | 24 V AC 50/60Hz                                                                             | Light Level Switching:    | Standard 20 lux On / 20 lux Off<br>(other settings available on request)                                                   |
| Max Current Load:  | 5 A at 24V AV                                                                               | Switching Ratios:         | 1:1 (standard); other ratios available on request                                                                          |
| Power Consumption: | 0.11 W                                                                                      | Time Delay:               | 25 seconds (standard); other timings available on request                                                                  |
|                    |                                                                                             | Switching Options:        | Part-night & Dusk to Dawn                                                                                                  |
|                    |                                                                                             | Light Sensor Silicon:     | Colour-corrected                                                                                                           |

## Low Voltage Switching Applications

- Pedestrian crossing lighting
- Tunnel lighting
- Mine lighting
- Gas and oil storage facility lighting
- Gas and oil pumping station lighting
- Landscape lighting
- Pathway or driveway lighting
- Security lighting
- Low voltage stairwell lighting
- Signage and other types of illumination

Volt-Free Contacts – Ideal for safe integration with third-party equipment