

Westire 24V DC Zhaga 0-10V

Dimming Photocells

Engineered for solar-powered outdoor lighting requiring 0-10V dimming control.



Performance

The Westire DC 0–10 V Photocell automatically switches luminaires on at dusk and off at dawn, with multiple step-dimming and part-night switch-off schedules to reduce cost and energy use while maximising battery life. Using Westire's Eye Response Filtered Silicon Light Sensor and microprocessor control, it delivers precise lighting performance, reliable operation, and optimal energy efficiency for solar lighting installations.

Longevity

Engineered in the EU with a 15-year design life and manufactured in-house using only high-quality, name-brand components, Westire's photocells are renowned in the industry for their unparalleled quality and reliability.

Features

- **Solar Compatibility** – Controls all types of solar-powered outdoor lighting systems.
- **DC Power Supply** – Operates with 24 V DC input, making it ideal for solar and low-voltage outdoor lighting systems.
- **IP65-Sealed Electronics** – with IP66, IP67, and IP68 options available where moisture-proof photocells are required.
- **Durable Construction** – Incorporates a domed photocell cover designed to withstand all types of outdoor conditions.
- **Weather-Resistant Housing** – UV-stabilized polycarbonate for long-term outdoor durability
- **LED Drive** – Controls 0-10 V DC LED luminaire drivers.

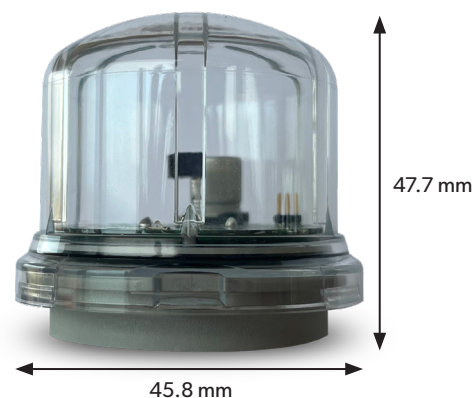
Key Benefits

- **Energy Efficient** – Low circuit power consumption, making it ideal for solar DC applications.
- **Zero Sensor Drift** – Maintains accuracy over the photocell's guaranteed lifespan.
- **Advanced Light Sensing** – Incorporates Westire's ambient light sensing microprocessor technology for precise control.
- **Quality Assurance** – Every unit undergoes full electrical testing and a 48-hour operational burn-in test before leaving the factory.
- **Accurate Dusk-to-Dawn Operation** – The photocell fits on top of the luminaire canopy facing the open hemisphere 180 ° of sky.
- **Minimizes Battery Drain** – Dimming extends battery life throughout the nighttime period.

General		Environment & Compliance	
Dimensions	45.8 mm x 47.7 mm 1.80" x 1.87"	Operating Temperature	-30° C to +70° C -22° F to +158° F
Receptacle Compatibility	Zhaga Book 18	IP Rating	IP65. (Optional IP66, I67 & IP68)
Luminaire Fixing	Zhaga Book 18 socket	Enclosure Impact	IK09
Photocell Type	4-Pin Zhaga Book 18 D4i	Environmental Compliance	RoHS
Photocell Warranty	8 years	Standards Compliance	Designed to: IS EN 9001: 2015 and all relevant application standards
Switching & Dimming		Power	
Light Level	Standard: 20 Lux On / 20 Lux Off (Other settings available on request)	Supply Voltage	24 V DC
Switching Ratios	1:1 (Standard); Other ratios available on request	Power Consumption	0.11 Watts
Switching Time Delay	25 seconds (or as requested)	Load Current	5 Amps
Switching Options	Dusk-to-Dawn (or as specified)		
Dimming Options	Multiple dimming options available		

Usages in Solar Powered Applications

- Road & Area Lighting
- Bus Stop Lighting
- Security Lighting
- Flood & Amenity Lighting
- Sign & Billboard Lighting
- Farmyard Lighting
- Caravan Park Lighting
- All-Night Boat Anchor Lighting
- Pedestrian Walkway Lighting
- Decorative Lighting
- Traffic Signs



The Sustainable Control Method for Controlling All Types of Solar Industrial Outdoor Lighting