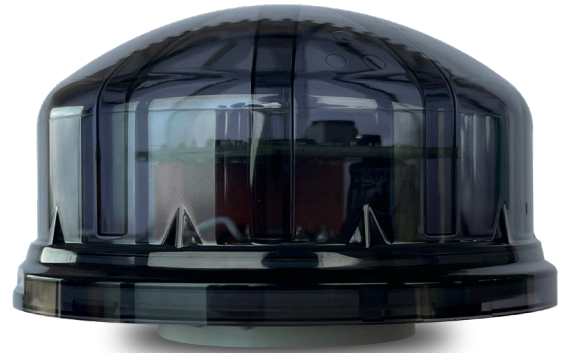


Westire 12 V to 48 V DC Zhaga Photocell

Longlife DC Photocells

Designed for dusk-to-dawn switching of DC-powered luminaires and light fixtures, utilizing Zhaga 4-pin, 5 A socket. Reduces cost and energy use, with optional part-night switch-off and maximum battery endurance.



Accuracy

The Westire DC Zhaga Photocell utilizes Westire's Eye Response Filtered Silicon Light Sensor and microprocessor control. This combination ensures precise lighting control, maximizing energy savings, and providing reliable operation for independent low-voltage outdoor 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, longlife photocells are renowned in the industry for their unparalleled quality and reliability.

Features

- **Solar Compatibility** – Controls all types of solar-powered DC lights and solar energy applications.
- **Wide Voltage Range** – Operates with 12 V to 48 V
- **IP66-Sealed Electronics** – IP66. (IP67 and IP68 options available where climatic conditions require a solid, moisture-proof design).
- **Durable Construction** – Incorporates a domed photocell cover designed to withstand all types of outdoor conditions.
- **Energy Efficient** – Low circuit power consumption, making it ideal for solar DC applications.

Key Benefits

- **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.
- **Accurate Dusk-to-Dawn Operation** – Designed for installation on a luminaire canopy, with the ambient light detector facing the open sky.
- **Quality Assurance** – Every unit undergoes full electrical testing and a 48-hour operational burn-in test before leaving the factory.

Technical Specifications

Summer 2025

General		Environment & Compliance	
Dimensions	64mm x 78 mm 2.51" x 3.07"	Operating Temperature	-30° C to +70° C -22° F to +158° F
Receptacle Compatibility	Zhaga Book 18	IP Rating	IP66 (IP67 & IP68 on request)
Luminaire Fixing	Zhaga Book 18 keyed socket	Enclosure Impact	IK09
Photocell Warranty	8 years	Standards	Manufactured to: IS EN ISO 9001: 2015 Designed to: All relevant standards
Switching & Dimming		Power	
Light Level	Standard: 20 Lux On / 20 Lux Off (Other settings available on request)	Supply Voltage	12 V - 48V DC 50/60 Hz
Switching Ratios	1:1 (Standard); Other ratios available on request	Load Current	5 Amps (max)
Switching Time Delay	25 seconds (or as requested)	Power Consumption	12 V - 0.094 W 24 V - 0.11 W 36V - 0.13 W 48 V - 0.16 W
Switching Options	Part-Night & Dusk-to-Dawn		
Light Sensor Silicon	Colour-corrected		

Ideal for solar powered:

- Road & Area Lighting
- Bus Stop Lighting
- Security Lighting
- Flood & Area Lighting
- Sign & Billboard Lighting
- Farmyard Lighting
- Caravan Lighting
- Boat Lighting
- Pedestrian Lighting
- Decorative Lighting
- Traffic Signs

