



WESTIRE 12V to 48V DC Zhaga Photocell

Designed for Dusk to Dawn switching of DC
Powered Luminaires and Light fixtures,
utilizing Zhaga 4 Pin, 5 Amp Socket

- Cost & Energy Savings
- Part Night Switch off option available
- Maximize 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, the Long-life photocells are renowned in the industry for their unparalleled quality and reliability.

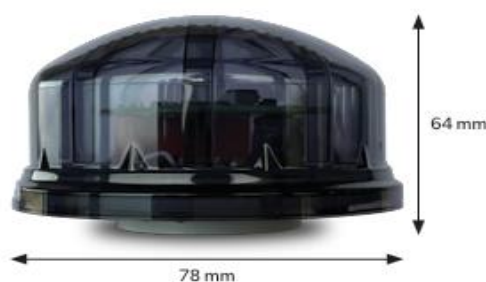
Features & Benefits

- **Solar Compatibility** – Controls all types of solar powered DC lights and solar energy applications.
- **Wide Voltage Range** – Operates with 12V to 48V
- **IP65-Sealed Electronics** – IP 66. (IP67 and IP68 options available where climatic conditions require a solid moisture-proof design).
- **Durable Construction** – Incorporating a dome photocell cover designed to withstand all types of outdoor conditions.
- **Photocell** fits into the Zhaga type sockets with a UV stabilises cover.
- **Energy Efficient** – Low circuit power consumption, making it ideal for 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.
- **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

General		Environmental	
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	IP65, (IP 67 & IP 68 on request)
Photocell Warranty	8 Years	Enclosure Impact Standards	IK09
Luminaire Fixing	Zhaga Book 18 keyed socket		Manufacturing 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 to 48V DC
Switching Ratios	1:1 (Standard); Other ratios available on request Switching Time Delay 25 seconds (or as requested)	Max Load Current	5 Amps
Switching Options	Part- Night & Dusk-to-Dawn	Power Consumption	12V – 0.11Watts 24V – 0.11Watts 36V – 0,13Watts 48V – 0.16Watts
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



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