



## Zhaga 40 mm

### ZHAGA PHOTOCELLS

Designed with features for the new DALI enabled LED smart streetlight luminaires & SR enabled LED drivers



### Accuracy

Westires Zhaga 40mm is a 9000 series Book 18 photocell which utilises Westire Eye Response filtered silicon based ambient light sensor and microprocessor control running advanced algorithms. This combination provides the best energy savings and reliable operation.

### Quality

Engineered and assembled in the EU, with a 20 year design life using only name brand components and high quality materials. The Zhaga 9000 series photocells are of renowned quality all while maintaining value and reliability. Each unit has a full electrical and 48 hour operational burn-in test before leaving the factory.

### Features & Benefits

- Complies with the Zhaga Book 18 Interface.
- Various multilevel dimming levels available.
- Designed to meet the needs of DALI enabled LED smart street light luminaires.
- Energy efficient design with the lowest possible electronic circuitry energy consumption.
- Low voltage 24Volt DC.
- Its low voltage circuitry enables it to be fitted without turning off the main supply to the lighting unit.
- No photocell switching circuitry.
- IP66 rated UV stabilised polycarbonate housing.
- Small compact size.
- A full electrical and 48 hour operational burn-in test is performed on every unit before leaving the factory.
- ROHS compliant.
- Upward facing ambient light sensor and self cleaning dome.
- Less wiring and reduced luminaire assembly time.



## Technical Specifications

General	
Dimensions	81.26 Ø x 36.64 mm H 3.2" Ø x 1.4" H
Receptacle Compatibility	Zhaga Book 18
Warranty	10 Year Standard
Power	
Mains Supply	24 Volts DC
Average Power Consumption	<0.01 Watts

Environmental	
Operating Temperature	-30 C to +70 C -22 F to +158 F
Enclosure Protection	High impact IK09 impact rated protection. IP66.
Standards Compliance	DALI-2, D4I, IS EN ISO 9001: 2015, Environmental RoHS,
Switching / Dimming	
Switch "On" Light Level	20:20 Lux Other switching available on request
Switching Ratio	1:1 Standard. Other settings available on request.
Ambient Light sensor	Colour corrected silicon sensor
Switching Time Delay	Instant "On" :25 Seconds Delay Off or as specified.
Switching/Dimming Options	DALI dusk to dawn. Multiple dimming options available

## Applications

- Automatically switches street lights off/on at dawn/dusk.
- Road, street lighting and area lighting controls.
- Custom calculated midnight dimming.
- Interfaces with DALI-2 enabled LED luminaire drivers.
- Ideal for all types of DALI enabled outdoor lighting controls.
- Wall mounting bracket available.

## Dimming Schedule Example

