

# INTRODUCING ALR 11000 ZHAGA DIGITAL PHOTOCELL

## Streetlight Digital Photocell

- Compatible with all Zhaga-D4i certified luminaires
- 10-year design life



ALR 11000 photocell is a digital photocell designed for streetlighting. The ALR 11000 photocell while having the functionality of a simple on/off photocell also has the capability to dim the light source during preset hours of the dark period which helps reducing energy consumption and utility spend.

ALR 11000 photocell will fit into the Zhaga-D4i ecosystem, the new standard in smart cities. Working as a standalone control device or in combination with a Zhaga-D4i motion sensor. The device monitors ambient light levels to switch the driver's output on, off and dim using the D4i protocol. The photocell sensor is a pluggable device, with the standard Zhaga Book 18 interface.

### BENEFITS

- A proprietary algorithm allows for a virtual midnight to be defined within  $\pm 15$ mins, without the use of an expensive GPS radio
- A multistage profile allows different dimming levels at different times of the dark period, helping to maximize energy savings
- Compatible with all Zhaga-D4i certified luminaires
- Ultra-compact size for great aesthetics and design freedom for decorative and heritage luminaires
- 10-year design life

### FEATURES

- Form factor: Zhaga Book 18
- On: 35lux, Off: 18lux (other values available upon request)
- Delay time: 25secs
- Operating voltage: 24Vdc  $\pm 10\%$
- Operating temperature range:  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$
- Relative humidity: 90%
- Time reference stabilization:  $< 3$  days
- Communication protocol: D4i
- IP66
- IK09
- Compatible with LUMAWISE Motion sensor

### APPLICATIONS

- Street lighting
- Area lighting
- Rail-station lighting
- Park and walkway lighting

### MECHANICAL

- Height: 29mm
- Diameter: 48mm

### ELECTRICAL

- Power consumption: 0.3W average, 0.5W max
- Powered from the 24Vdc AUX supply

### MATERIALS

- Dome: UV stabilized polycarbonate
- Base: PBT

### STANDARDS

- Zhaga-D4i, Book 18
- DALI Parts 101, 103, 351
- UL773
- CE and UKCA Marked

### SPECIFICATIONS

- Design objectives/specification: [108-160585](#)
- Application specification: 114-160641

### LEARN MORE

- [ALR 11000 Zhaga Photocell flyer](#)
- [ALR 11000 Zhaga Photocell partlist](#)
- [ALR 11000 Zhaga Photocell product page](#)
- [ALR 11000 Zhaga Photocell images](#)
- [ALR 11000 Zhaga Photocell product presentation](#)