**TVILIGHT**
EMPOWERING INTELLIGENCE

Tvilight SkySwitch Zhaga is a smart photocell that enables street light switching based on the ambient light level of the surrounding.

Compact and elegantly designed, it beautifully blends with the modern LED luminaires. Utilizing the Zhaga Book 18 and DALI D4i capabilities, this Zhaga Photocell delivers enhanced lamp switching and pre-set dimming option. The standardized Zhaga Book 18 interface also ensures quick, tool-free installation.

SkySwitch Zhaga smart street light photocell has a 15-year life expectancy. It uses high grade components, which are encased in an IP66 and IK09 (optional) dome.

CE IP66 DALI
Zhaga ꞋR CERTIFIED

## Features

Sleek compact design for premium design outdoor light fixtures

Zhaga-D4i Compatible

Zhaga Book 18 Interface – Plug & Play Installation

Connect & Forget – Maintenance free

Factory pre-set Dimming option for autonomous dimming

15 years operational life expectancy with automotive grade components
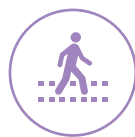
Low illuminance level switching for instantaneous operation of LED fixtures

Safe ultra-low voltage (SELV) product

## Applications

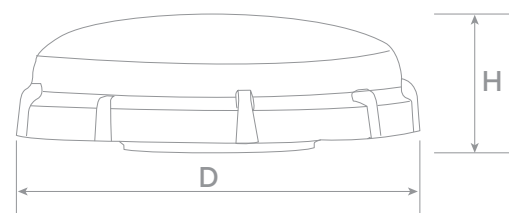| Public parks | Pedestrian pathways | Bicycle paths | Residential areas | University campuses |

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## Specification

| | |
|---|---|
| Fixing (where applicable hole dimensions) | Standardized Zhaga Book 18 socket (twist and lock) |
| Programmable lux level | Yes<br>Standard option: 20 lux (On 20 / Off 20)<br>35 lux (On 35 / Off 18)<br>10 lux (On 10 / Off 10)<br>Near unity power factor circuit design (>0.9) |
| Switching ratio | 1:1 or 1:0.5<br>Negligible sensor drift |
| Capable of unity or negative ratio | Yes |
| Maximum total load for LED lighting | 400W (no minimum load)<br>Hot pluggable |
| Autonomous Lamp Dimming (optional) | Factory configurable pre-set dimming (multi-step 0% to 100% light level in 10% increments)<br>Automatic daylight saving (DLS)<br>Please contact Sales |
| Switching Delay (in seconds) | 10 (configurable) |
| Power consumption | < 100mW, from DALI D4I Driver / SR LED Driver |
| Max. Operating Ambient Temperature (Ta) | -20 °C / +80 °C |
| IP Rating (installed) | IP66 when installed with a suitable Zhaga socket and street luminaire<br>Polycarbonate enclosure (UV) stabilised |
| IK rating (dome) | IK09 |
| Voltage | via DALI D4i Driver (typically 16V) |
| Product Colour Options | Dome cover: Transparent/ Translucent<br>Sleeve/ Trim cover: None/ Light/ Dark |
| Accreditation and compliance | CE, DALI2 compatible, IP66, IP67 (optional), IK09 (optional)<br>EN61000-3-2 2009, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-6, EN55015 2013, EN61547 2009, EN61347-2-11<br>EN61347-1, IEC60068-2-6 (vibration), EN60529 (ingress protection) |

## Dimensions

| | No trim | With trim |
|---|---|---|
| Diameter (D) | 49mm | 53mm |
| Height (H) | 21mm | 21mm |



## Wiring Information

### Zhaga compatible connector system – 4 pole contacts

| Pin Number | Function |
|---|---|
| 1 | Not used |
| 2 | DALI (or DALI-based protocol) - / common ground |
| 3 | DALI (or DALI-based protocol) + |
| 4 | Not used |

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