



LUMAWISE ALR AA SERIES PHOTOCELL

Electronic Version

TE Connectivity's (TE) LUMAWISE ALR AA 2000EL photocell is an electronic version of TE's popular AA series button photocell. The button cell, wired in design, is a photocontrol solution for multiple luminaire form factors.

The compact form is designed to be internally hardwired in the luminaire. The polycarbonate lens gives a discrete appearance as well as a tough construction.

The device gives dusk and dawn control of incandescent and LED light sources. Via an electromagnetic relay rated for up to 20k operating cycles.

APPLICATIONS

- [Street lighting & Area lighting](#)
- Signage
- Group switching
- Flood lighting
- Wall lighting

LUMAWISE ALR AA SERIES

BENEFITS

- Standalone device which will monitor ambient light levels and accurately switch a light source ON/OFF at fixed levels
- Ambient light levels detected by silicon photoelectric sensor
- In built delay will prevent false switching due to light pollution
- Designed for about 10 year life or up to 20k switching cycles
- Standard ANSI switch levels
- Designed to meet the requirements of UL773A

MECHANICAL

- **Total height:** 52.1mm
- **Width:** 58.5mm
- **Depth:** 33mm
- **Thread:** 3/8"
- **Lead Wire Type:** 16AWG (105°C), 168mm length, other lengths upon request

ELECTRICAL

- 105 Vac-305Vac Input and switching voltage
- **Power consumption:** <0.5W max

MATERIALS

- **Housing:** Polycarbonate
- **Lens:** UV stabilized

| Description | Part Number |
|---|---------------------------|
| LUMAWISE ALR AA-2000EL Button Photocontrol | 2393866-1 |

CONTACT OUR PRODUCT TEAM ►

te.com/street-lighting-photocells

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FEATURES

- **Voltage Rating:** 120/208/240/277Vac
- **Operating Voltage Range:** 105-305Vac
 - At 50/60Hz
- **Switching Levels:** 1.5Fc ON, 2.0Fc OFF
- **Switching Ratio:** 1.3:1 OFF/ON
- **Rated Switching Current:**
 - **Ballast:** 1800VA
 - **Tungsten:** 1000W
 - **Electronic:** 5A at 120/277Vac
- **Switching Delay:** Instant ON, 2-5s OFF
- **Failure Mode:** On
- **Surge Protection:** 445J, 10kA
- **Operating Temperature Range:** -40°C to +65°C
- **Relative Humidity:** 96%

STANDARDS

- Meets the requirements of UL773A
- Meets the requirements of ANSI C136.24

SPECIFICATIONS

- **Application Specification:** 114-160404