



# LUMAWISE ALR AA SERIES

## Electronic Version

TE Connectivity's (TE) LUMAWISE ALR AA 2000EL 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 greater than 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 a 10-year life or 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

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

## MATERIALS

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

## 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

Description	Part Number
LUMAWISE ALR AA-2000EL Button Photocontrol	<a href="#"><u>2393866-1</u></a>

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