

product

Specification grade area lights available in IES Type III distributions. For use for roadway, general parking and other area lighting applications where a larger pool of lighting is required. Mounts to 4" square steel poles at 20-35'. Patent pending thermal management system. 5 Year Warranty.

Color: White

Weight: 32.0 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

**Driver Info**

Type: Constant Current  
 120V: N/A  
 208V: N/A  
 240V: N/A  
 277V: N/A  
 Input Watts: 55W  
 Efficiency: 91%

**LED Info**

Watts: 50W  
 Color Temp: 3000K  
 Color Accuracy: 82 CRI  
 L70 Lifespan: 100000  
 Lumens: 3,913  
 Efficacy: 71 LPW

## Technical Specifications

### Electrical

**Photocell:**

480V Swivel Photocell Included. Photocell is only compatible with 480V.

**Driver:**

Constant Current, Class 2, 1400mA, 347-480V, 50-60Hz, 0.13A, Power Factor 99%

**Ballast Volts:**

480V

**Surge Protection:**

6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

### Listings

**UL Listing:**

Suitable for wet locations as a downlight.

**IESNA LM-79 & IESNA LM-80 Testing:**

RAB LED fixtures have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

**Dark Sky Approved:**

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

### LED Characteristics

**Lifespan:**

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

**LEDs:**

Multi-chip, high-output, long-life LEDs

**Color Consistency:**

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

**Color Stability:**

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

**Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

### Construction

**IES Classification:**

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

**IP Rating:**

Ingress Protection rating of IP66 for dust and water.

**Ambient Temperature:**

Suitable for use in 40°C ambient temperatures.

**Cold Weather Starting:**

The minimum starting temperature is -40°C/-40°F

**Thermal Management:**

Superior patent pending thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments.

**Effective Projected Area:**

EPA = 0.75

**Housing:**

Die cast aluminum housing, lens frame and mounting arm.

**Mounting:**

Heavy-duty mounting arm with "O" ring seal & stainless steel screws.

**Reflector:**

Specular vacuum-metallized polycarbonate

**Gaskets:**

High temperature silicone gaskets

**Finish:**

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

**Green Technology:**

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

### Other

**Equivalency:**

ALED™ 50W replaces 200W metal halide

**California Title 24:**

ALED3T50/PCS with the swivel photocell option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture ≤75 Watts.

## Technical Specifications (continued)

### Other

#### Patents:

The ALED™ design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

#### Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

#### Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

#### Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### GSA Schedule:

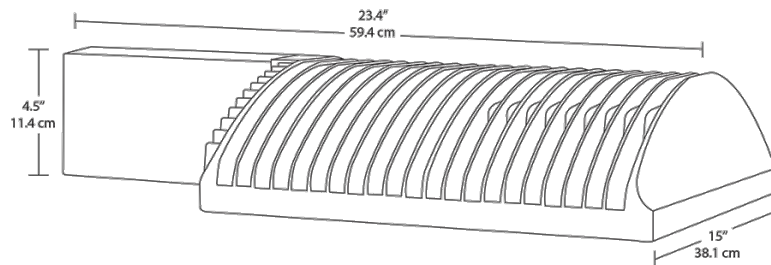
Suitable in accordance with FAR Subpart 25.4.

#### Optical

#### BUG Rating:

B0 U0 G1

### Dimensions



### Features

- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- Type III distribution
- 5-year warranty

### Ordering Matrix

| Family | Distribution                                  | Watts    | Mount                          | Color Temp  | Finish                                   | Voltage                         | Photocell  | Dimming                               | Sensor   | Bi-Level                              |
|--------|---|----------|--------------------------------|---|--|---------------------------------|--|---------------------------------------|--|---------------------------------------|
| ALED   |   |          |                                |   |  |                                 |  |                                       |  |                                       |
|        | 2T = Type II<br>3T = Type III<br>4T = Type IV | 50 = 50W | Blank = Arm<br>SF = Slipfitter | Blank = 5000K (Cool)<br>Y = 3000K (Warm)<br>N = 4000K (Neutral) | Blank = Bronze<br>W = White<br>RG = Gray | Blank = 120-277V<br>/480 = 480V | Blank = No Photocell<br>/PC = 120V Button<br>/PC2 = 277V Button<br>/PCS = 120V Swivel<br>/PCS2 = 277V Swivel<br>/PCT = 120-277V Twistlock<br>/PCS4 = 480V Swivel<br>/PCT4 = 480V Twistlock | Blank = No Dimming<br>/D10 = Dimmable | /WS2 = Multi-Level Motion Sensor (Only available for 120-277V with /D10 for 50W) | Blank = No Bi-Level<br>/BL = Bi-Level |