



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

|                     |              |
|---------------------|--------------|
| <b>Project:</b>     | <b>Type:</b> |
| <b>Prepared By:</b> | <b>Date:</b> |

| Driver Info  |                  | LED Info        |        |
|--------------|------------------|-----------------|--------|
| Type:        | Constant Current | Watts:          | 50W    |
| 120V:        | 0.46A            | Color Temp:     | 5000K  |
| 208V:        | N/A              | Color Accuracy: | 67 CRI |
| 240V:        | N/A              | L70 Lifespan:   | 100000 |
| 277V:        | N/A              | Lumens:         | 4,846  |
| Input Watts: | 52W              | Efficacy:       | 94 LPW |
| Efficiency:  | 97%              |                 |        |

## Technical Specifications

### Electrical

#### Photocell:

Button Photocell 120V included. Photocell is only compatible with 120V.

#### Driver:

Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

#### THD:

7.0% at 120V, 7.4% at 277V

#### 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.

#### DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.  
DLC Product Code: P0000178V

### 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:

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

#### Color Stability:

LED color temperature is warranted 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

## Technical Specifications (continued)

### Other

#### California Title 24:

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

#### 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:

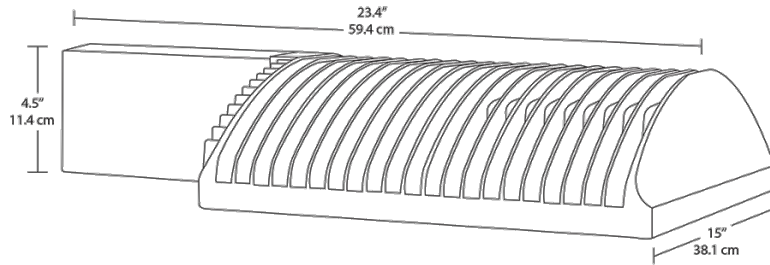
Suitable in accordance with FAR Subpart 25.4.

#### Optical

#### BUG Rating:

B1 U0 G2

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