



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 | | LED Info | |
|--------------|------------------|-----------------|-----------------|
| Type: | Constant Current | Watts: | 50W |
| 120V: | 0.46A | Color Temp: | 4000K (Neutral) |
| 208V: | 0.27A | Color Accuracy: | 81 CRI |
| 240V: | 0.23A | L70 Lifespan: | 100,000 |
| 277V: | 0.20A | Lumens: | 4,134 |
| Input Watts: | 52W | Efficacy: | 80 LPW |
| Efficiency: | 97% | | |

Technical Specifications

Other

ALED3T50 with Photocell:

120V-277V Photocell Twist

Equivalency:

ALED™ 50W replaces 200W metal halide

California Title 24:

ALED3T50/PCT with the twistlock 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.

Listings

UL Listing:

Suitable for wet locations as a downlight.

DLC Listed:

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

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 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°F/-40°C.

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.

Technical Specifications (continued)

Construction

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, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Electrical

Driver:

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

THD:

6.9% at 120V, 7.5% at 277V

Surge Protection:

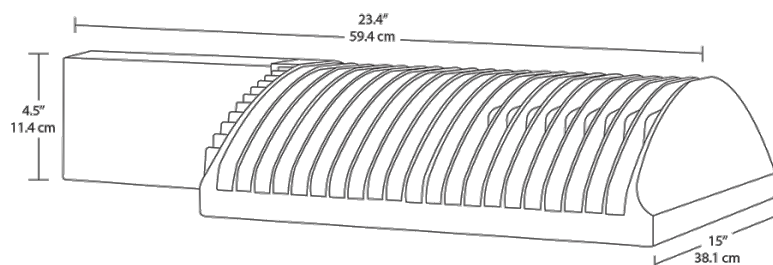
6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

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 | Bi-Level |
|--------|---------------|----------|-----------------|-------------|-----------|-------------|---------------------------|-----------------|----------------|
| ALED | | | | | | | | | |
| | 2T = Type II | 50 = 50W | = Arm | = Cool | = Bronze | = 120-277V | = No Photocell | = No Dimming | = No B i-Level |
| | 3T = Type III | | SF = Slipfitter | Y = Warm | W = White | /480 = 480V | /PC = 120V Button | /D10 = Dimmable | /BL = Bi-Level |
| | 4T = Type IV | | | N = Neutral | RG = Gray | | /PC2 = 277V Button | | |
| | | | | | | | /PCS = 120V Swivel | | |
| | | | | | | | /PCS2 = 277V Swivel | | |
| | | | | | | | /PCT = 120-277V Twistlock | | |
| | | | | | | | /PCS4 = 480V Swivel | | |
| | | | | | | | /PCT4 = 480V Twistlock | | |