



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: Bronze

Weight: 32.0 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

#### Driver Info

Type: Constant Current  
 120V: 0.46A  
 208V: 0.27A  
 240V: 0.23A  
 277V: 0.20A  
 Input Watts: 52W  
 Efficiency: 97%

#### LED Info

Watts: 50W  
 Color Temp: 5000K  
 Color Accuracy: 67 CRI  
 L70 Lifespan: 100000  
 Lumens: 4,942  
 Efficacy: 96 LPW

## Technical Specifications

### Electrical

#### Dimming Driver:

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

#### 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.

### 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 = 2.2

#### Housing:

Die cast aluminum housing, lens frame and mounting arm.

#### Mounting:

Slipfitter 180° pivot available for mounting on 2 3/8" tenon.

#### 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:

See ALED3T50/PC, ALED3T50/PCS or ALED3T50/PCT for a 2013 California Title 24 compliant model.

#### Patents:

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

## Technical Specifications (continued)

### Other

#### 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

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