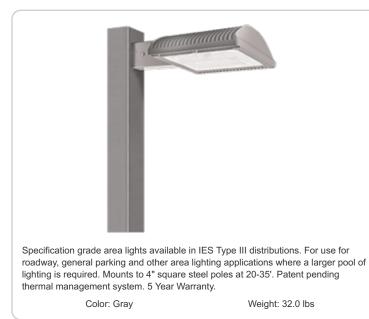
# ALED3T50NRG/480





Project:		Туре:	Туре:			
Prepared	By:	Date:				
Driver Info		LED Info				
Туре:	Constant Current	Watts:	50W			
120V:	N/A	Color Temp:	4000K			
208V:	N/A	Color Accuracy:	81 CRI			
240V:	N/A	L70 Lifespan:	100000			
	N/A	Lumens:	4,134			
277V:			751 814			
277V: Input Watts:	55W	Efficacy:	75 LPW			

## **Technical Specifications**

#### 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.

#### I FDs:

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.

# **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.

#### **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.

# Electrical

#### 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.

### Other

#### Equivalency:

ALED<sup>™</sup> 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<sup>™</sup> design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

# **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.

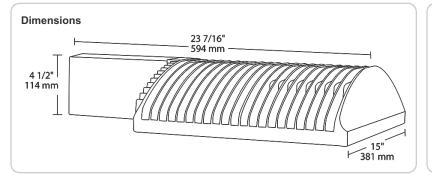
#### Optical

**BUG Rating:** B0 U0 G1



# ALED3T50NRG/480





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