# ALED3T50/PC2





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:	Туре:
Prepared By:	Date:

Type:			LED Info			
,,	Constant Current	Watts:	50W			
120V:	N/A	Color Temp:	5000K (Cool)			
208V:	0.27A	Color Accuracy:	67 CRI			
240V:	0.23A	L70 Lifespan:	100,000			
277V:	0.20A	Lumens:	4,846			
Input Watts:	52W	Efficacy:	94 LPW			
Efficiency:	97%					



# **Technical Specifications**

#### Other

#### ALED3T50 with Photocell:

277V Button Photocell Included. Photocell is compatible with 208V-277V.

#### Equivalency:

ALED™ 50W replaces 200W metal halide

#### California Title 24:

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

#### Patents:

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

#### Warrantv:

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:**

7-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°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:

7.0% at 120V, 7.4% at 277V

## **Surge Protection:**

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

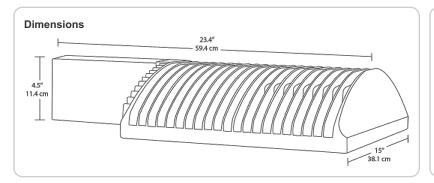
### Optical

# **BUG Rating:**

B1 U0 G2

# ALED3T50/PC2





# **Features**

66% energy cost savings vs. HID

100,000-hour LED lifespan

Type III distribution

5-year warranty

Family	Distribution	Watts	Mount	Color Temp	Finish	Voltage	Photocell	Dimming	Bi-Level
ALED									
	2T = Type II	<b>50</b> = 50W	= Arm	= Cool	= Bronze	= 120-277V	= No Photocell	= No Dimming	= No B i-Leve
	3T = Type III		SF = Slipfitter	Y = Warm	W = White	<b>/480</b> = 480V	/PC = 120V Button	/D10 = Dimmable	/BL = Bi-Leve
	4T = Type IV			N = Neutral	RG = Gray		<b>/PC2</b> = 277V Button		
							/PCS = 120V Swivel		
							/PCS2 = 277V Swivel		
							/PCT = 120-277V Twistlock		
							/PCS4 = 480V Swivel		
							/PCT4 = 480V Twistlock		