## ALED4T50YRG/480/PCT4



Project:		Type: Date:			
Prepared	By:				
Driver Info		LED Info			
Гуре:	Constant Current	Watts:	50W		
120V:	N/A	Color Temp:	3000K (Warm)		
208V:	N/A	Color Accuracy:	82 CRI		
240V:	N/A	L70 Lifespan:	100,000		
277V:	N/A	Lumens:	4,199		
	55\//	Efficacy:	76 LPW		
nput Watts:	5577				



## **Technical Specifications**

### Other

### ALED4T50 with Photocell:

480V Photocell Included. Photocell is only compatible with 480V.

### Equivalency:

ALED<sup>™</sup> 50W replaces 200W metal halide

### California Title 24:

ALED4T50/PCT with the twistlock photocell option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor polemounted fixture ≤75 Watts.

### Patents:

The ALED<sup>™</sup> 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.

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 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 IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semiCircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

### **Effective Projected Area:**

EPA = 0.75

## 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.

### Housing:

Die cast aluminum housing, lens frame and mounting arm.

### Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screws.

## **Technical Specifications (continued)**

### Construction

### 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, 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.

### Optical

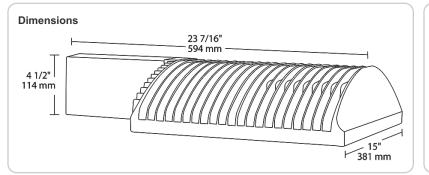
### BUG Rating:

B0 U0 G1



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### Features

66% energy cost savings vs. HID

- 100,000-hour LED lifespan
- Type IV 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
	<b>3T</b> = Type III		SF = Slipfitter	Y = Warm	W = White	/ <b>480</b> = 480∨	/PC = 120V Button	/D10 = Dimmable	/BL = Bi-Leve
	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		