# ALED3T50SFNRG/480/PCS4



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: Gray

Weight: 32.0 lbs

Project:		Туре:	
Prepared	By:	Date:	
Driver Info		LED Info	
Туре:	Constant Current	Watts:	50W
120V:	N/A	Color Temp:	4000K (Neutral)
208V:	N/A	Color Accuracy:	81 CRI
240V:	N/A	L70 Lifespan:	100,000
277V:	N/A	Lumens:	4,134
Input Watts:	55W	Efficacy:	75 LPW
	91%		



## **Technical Specifications**

## Other

#### ALED3T50SF/480 with Photocell:

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

## Equivalency:

ALED™ 50W replaces 200W metal halide

#### California Title 24:

ALED3T50SF/PCS with the swivel 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 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 = 2.2

#### Housing:

Die cast aluminum housing, lens frame and mounting arm.

## Mounting:

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

## **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

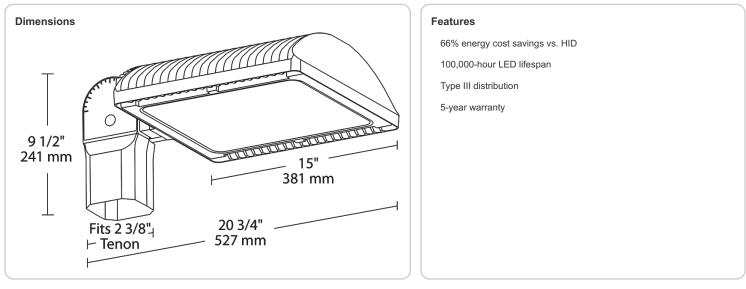
#### BUG Rating:

B0 U0 G1



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Ordering Matrix											
	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-Level	
		<b>3T</b> = Type III		SF = Slipfitter	Y = Warm	W = White	<b>/480</b> = 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			