ALED4T50SFRG/PCS2





Project:		Туре:	Туре:			
Prepared	I By:	Date:				
Driver Info		LED Info				
Туре:	Constant Current	Watts:	50W			
120V:	N/A	Color Temp:	5000K (Cool)			
208V:	0.27A	Color Accuracy:	67 CRI			
	0.23A	L70 Lifespan:	100,000			
240V:						
240V: 277V:	0.20A	Lumens:	5,196			
277V:	0.20A 52W	Lumens: Efficacy:	5,196 100 LPW			

Technical Specifications

Other

ALED4T50SF with Photocell:

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

Equivalency:

ALED™ 50W replaces 200W metal halide

California Title 24:

ALED4T50SF/PCS with the swivel photocell option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture <75 Watts.

Patents:

The ALED $^{\rm M}$ 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.

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 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 = 2.2

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.

Technical Specifications (continued)

Construction

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, 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:

6.9% at 120V, 7.8% at 277V

Surge Protection:

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

Optical

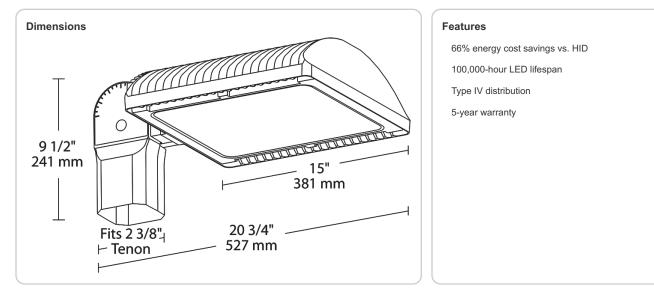
BUG Rating:

B0 U0 G2



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Ordering Matrix											
Family	Distribution	Watts	Mount	Color Temp	Finish	Voltage	Photocell	Dimming	Bi-Level		
ALED											
	2T = Type II	50 = 50W	= Arm	= Cool	= Bronze	= 120-277V	= No Photocell	= No Dimming	= No B i-Level		
	3T = Type III		SF = Slipfitter	Y = Warm	W = White	/480 = 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				