ALED3T105SFNRG/PCS2





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. Replaces up to 400W metal halide. Patent pending thermal management system. 5 Year Warranty.

Color: Gray Weight: 32.0 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info			
Type:	Constant Current	Watts:	105W		
120V:	N/A	Color Temp:	4000K (Neutral)		
208V:	0.58A	Color Accuracy:	82 CRI		
240V:	0.50A	L70 Lifespan:	100,000		
277V:	0.44A	Lumens:	7,604		
Input Watts:	106W	Efficacy:	72 LPW		
Efficiency:	99%				



Technical Specifications

Other

ALED3T105 with Photocell:

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

California Title 24:

ALED3T105SF/PCS2 with the swivel photocell (277V) option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor polemounted fixture > 75 Watts at mounting heights greater than 24 feet.

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.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaries have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have been received the Department of Energy "Lighting Facts" label.

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 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.

Effective Projected Area:

EPA = 2.2

Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

Thermal Management:

Superior thermal management with external Air-Flow fins

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, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

For use on LEED Buildings:

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

Technical Specifications (continued)

Electrical

Drivers:

Two Drivers, Constant Current, Class 2, 1400mA, 100-277V, 50/60Hz, 0.8A, Power Factor 99%

THD:

7.9% at 120V, 16.8% at 277V

Surge Protection:

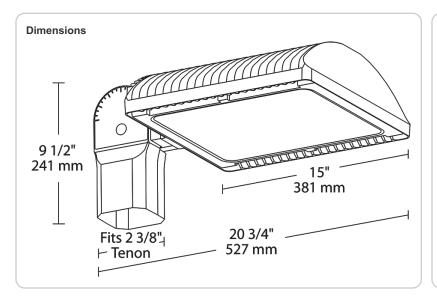
4kV

Optical

BUG Rating: B1 U0 G2

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Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

Type III distribution

5-year warranty

dering Matrix										
Family	Distribution	Watts	Mount	Color Temp	Finish	Voltage	Photocell	Dimming	Bi-Level	
ALED										
	2T = Type II	150 = 150W	Blank = Arm SF =	Blank = Cool	Blank = Bronze	Blank = 120- 277V	Blank = No Photocell /PC = 120V Button	Blank = No Dimming	Blank = No B i- Level	
	3T = Type III 4T = Type IV	ype IV 125 = Slipfitter	Y = Warm W = White	/ 480 = 480V	/PC2 = 277V Button	/D10 = Dimmable	/BL = Bi-Level			
		125W 105 =		N = Neutral	RG = Gray		/PCS = 120V Swivel			
		105W					/PCS2 = 277V Swivel /PCT = 120-277V Twistlock			
							/PCS4 = 480V Swivel			
							/PCT4 = 480V Twistlock			