# ALED3T105N/PCS





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: Bronze Weight: 32.0 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info	
Туре:	Constant Current	Watts:	105W
120V:	0.89A	Color Temp:	4000K (Neutral)
208V:	N/A	Color Accuracy:	82 CRI
240V:	N/A	L70 Lifespan:	100,000
277V:	N/A	Lumens:	7,604
Input Watts:	106W	Efficacy:	72 LPW
Efficiency:	99%		



# **Technical Specifications**

#### Other

### ALED3T105 with Photocell:

120V Swivel Photocell Included. Photocell is only compatible with 120V.

#### Drivesr:

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

### California Title 24:

ALED3T105/PCS with the swivel photocell (120V) 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.

### **DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

## 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 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:**

FPA = 0.75

## **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

# **Technical Specifications (continued)**

## Construction

## 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.

## **Electrical**

## THD:

7.9% at 120V, 16.8% at 277V

## **Surge Protection:**

4kV

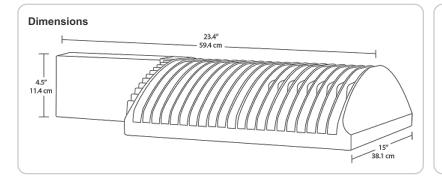
# Optical

**BUG Rating:** 

B1 U0 G2

# ALED3T105N/PCS





# **Features**

66% energy cost savings vs. HID

100,000-hour LED lifespan

Type III distribution

5-year warranty

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