# ALED3T105W/LC





Specification grade area lights available in IES Type III distribution. For use for roadway, general parking and other area lighting applications where a larger pool of lighting is required. Patent pending thermal management system. 5 Year Warranty. Includes built in support for Lightcloud, a wireless lighting control system and service, fully developed by RAB.

Color: White Weight: 32.0 lbs

Project:	Туре:
Prepared By:	Date:

<b>Driver Info</b>		LED Info	
Type:	Constant Current	Watts:	105W
120V:	0.89A	Color Temp:	5000K
208V:	0.58A	Color Accuracy:	65 CRI
240V:	0.50A	L70 Lifespan:	100000
277V:	0.44A	Lumens:	9,112
Input Watts:	107W	Efficacy:	85 LPW
Efficiency:	98%		



# **Technical Specifications**

# Lightcloud

# **Lightcloud Installed:**

Lightcloud is a commercial wireless lighting control system and service fully developed and supported by RAB. It's powerful and flexible, yet easy to use and install

### 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.

### Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

### **DLC Listed:**

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

DLC Product Code: P0000177E

#### **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:**

EPA = 0.75

### **Maximum Ambient Temperature:**

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

### **Cold Weather Starting:**

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

### **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

# IP Rating:

Ingress Protection rating of IP66 for dust and water.

#### 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. RoHS compliant components. 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**

#### Drivers:

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

### THD:

7.9% at 120V, 16.2% at 277V

### **Surge Protection:**

4kV

#### Other

# California Title 24:

See ALED3T105/BL, ALED3T105/PCS, ALED3T105/PCS2, or ALED3T105/PCT for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

# **Technical Specifications (continued)**

# Other

### Warrantv:

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.

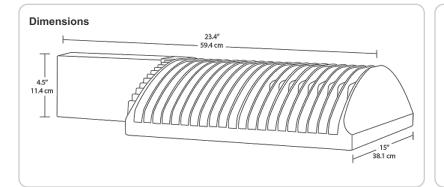
# Optical

# **BUG Rating:**

B1 U0 G2

# ALED3T105W/LC





# **Features**

66% energy cost savings vs. HID

100,000-hour LED lifespan

Type III distribution

5-year warranty

Built in support Lightcloud  $^{\mathsf{TM}}$ 

Easy setup - simply power on, confirm device connectivity and call 844-LIGHTCLOUD

Ordering Matri	x					
Family	Distribution	Watts	Color Temp	Finish	Dimming	Lightcloud
ALED	3T	105		W		LC
	3T = Type III	<b>105</b> = 105W <b>125</b> = 125W <b>150</b> = 150W	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	Blank = Bronze W = White RG = Gray	Blank = No Dimming /D10 = Dimmable	/LC = Lightcloud Installed
		<b>260</b> = 260W <b>360</b> = 360W	,	,		