# ALED3T105NW/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	Ву:	Date:			
Driver Info		LED Info			
Гуре:	Constant Current	Watts:	105W		
120V:	0.89A	Color Temp:	4000K		
	0.58A	Color Accuracy:	82 CRI		
			400000		
240V:	0.50A	L70 Lifespan:	100000		
240V:	0.50A 0.44A	L70 Lifespan: Lumens:	7,604		
208V: 240V: 277V: Input Watts:					

# **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.

#### 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, 16.8% 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.

# 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.

# **Technical Specifications (continued)**

#### Other

# 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

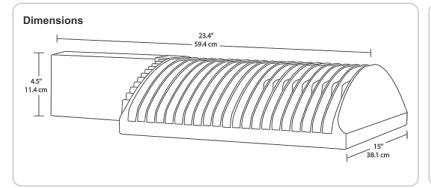
# **BUG Rating:**

B1 U0 G2



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# Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

Type III distribution

5-year warranty

Built in support Lightcloud™

Easy setup - simply power on, confirm device connectivity and call 844-LIGHTCLOUD  $\ensuremath{\mathsf{LiGHTCLOUD}}$ 

# **Ordering Matrix**

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