# ALED3T105YRG/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: Gray

Weight: 32.0 lbs

| Project:       |                  | Туре:                | Туре:  |  |  |
|----------------|------------------|----------------------|--------|--|--|
| Prepared       | By:              | Date:                |        |  |  |
| Driver Info    |                  | LED Info             |        |  |  |
| Гуре:          | Constant Current | Watts:               | 105W   |  |  |
| 120V:          | 0.89A            | Color Temp:          | 3000K  |  |  |
| 0001/          | 0.58A            | Color Accuracy:      | 81 CRI |  |  |
| 208V:          |                  | 170 Lifeenen         | 100000 |  |  |
| 208V:<br>240V: | 0.50A            | L70 Lifespan:        | 100000 |  |  |
|                | 0.50A<br>0.44A   | Livespan:<br>Lumens: | 7,338  |  |  |
| 240V:          |                  |                      |        |  |  |

## **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: P0000177C

### 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:

8.1% at 120V, 16.4% 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

#### 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.

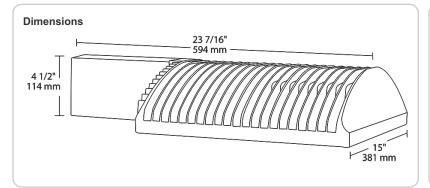
## Optical

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  $\ensuremath{\mathsf{S}}$ 

## **Ordering Matrix**

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