# ALED3T105N/480/PCS4

**RAB**
LIGHTING

| Project: | Type: |
|---|---|
| **Prepared By:** | **Date:** |

### Driver Info

| | |
|---|---|
| Type: | Constant Current |
| 120V: | N/A |
| 208V: | N/A |
| 240V: | N/A |
| 277V: | N/A |
| Input Watts: | 109W |
| Efficiency: | 96% |

### LED Info

| | |
|---|---|
| Watts: | 105W |
| Color Temp: | 4000K (Neutral) |
| Color Accuracy: | 82 CRI |
| L70 Lifespan: | 100,000 |
| Lumens: | 7,604 |
| Efficacy: | 70 LPW |

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

## Technical Specifications

### Other

**ALED3T105 with Photocell:**

480V Swivel Photocell Included. Photocell is only compatible with 480V.

**Drivesr:**

Two Drivers, Constant Current, Class 2, 1400mA, 347-480V, 50/60Hz, 0.25A, Power Factor 99%

**California Title 24:**

ALED3T105/480/PCS4 with the swivel photocell (480V) option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted 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.

**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

**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.

## Technical Specifications (continued)

### Construction

**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

**Ballast Volts:**

480V

**Surge Protection:**

4kV

### Optical
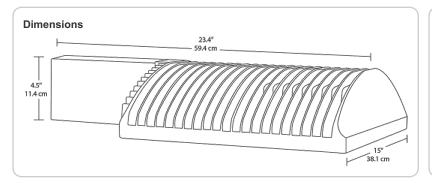
**BUG Rating:**

B1 U0 G2

# ALED3T105N/480/PCS4

**RAB** LIGHTING

## Dimensions



23.4″ / 59.4 cm

4.5″ / 11.4 cm

15″ / 38.1 cm

## 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 Bi-Level **/BL** = Bi-Level |