

# ALED3T125/480



Specification grade area lights available with 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.

Color: Bronze

Weight: 32.0 lbs

|                     |              |
|---------------------|--------------|
| <b>Project:</b>     | <b>Type:</b> |
| <b>Prepared By:</b> | <b>Date:</b> |

| <b>Driver Info</b> |                  | <b>LED Info</b> |        |
|--------------------|------------------|-----------------|--------|
| Type:              | Constant Current | Watts:          | 125W   |
| 120V:              | N/A              | Color Temp:     | 5000K  |
| 208V:              | N/A              | Color Accuracy: | 66 CRI |
| 240V:              | N/A              | L70 Lifespan:   | 100000 |
| 277V:              | N/A              | Lumens:         | 11,431 |
| Input Watts:       | 134W             | Efficacy:       | 85 LPW |
| Efficiency:        | 93%              |                 |        |

## Technical Specifications

### Listings

#### UL Listing:

Suitable for wet locations.

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaires 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 warranted 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, 1750mA, 347-480V, 50/60Hz, 0.30A, Power Factor 94.3%

#### THD:

14.1% at 480V

#### Ballast Volts:

480V

#### Surge Protection:

4kV

### Optical

#### Replacement:

The ALED125 replaces 320W Metal Halide Area Lights.

#### BUG Rating:

B1 U0 G2

## Technical Specifications (continued)

### Other

#### California Title 24:

See ALED3T125/D10, ALED3T125/BL, ALED3T125/PCS, ALED3T125/PCS2, or ALED3T125/PCT for a 2013 California Title 24 compliant product.

#### 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.

# ALED3T125/480

## Dimensions



## 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            |
|-------------|---------------|------------|-----------------|----------------------|----------------|--------------------------------|---------------------------|--------------------|---------------------|
| <b>ALED</b> |               |            |                 |                      |                |                                |                           |                    |                     |
|             | 2T = Type II  | 360 = 360W | Blank = Arm     | Blank = 5000K (Cool) | Blank = Bronze | Blank = 120-277V               | Blank = No Photocell      | Blank = No Dimming | Blank = No Bi-Level |
|             | 3T = Type III | 260 = 260W | SF = Slipfitter | Y = 3000K (Warm)     | W = White      | /480 = 480V (Only 360W & 260W) | /PC = 120V Button         | /D10 = Dimmable    | /BL = Bi-Level      |
|             | 4T = Type IV  | 150 = 150W |                 | N = 4000K (Neutral)  | RG = Gray      |                                | /PC2 = 277V Button        |                    |                     |
|             |               | 125 = 125W |                 |                      |                |                                | /PCS = 120V Swivel        |                    |                     |
|             |               | 105 = 105W |                 |                      |                |                                | /PCS2 = 277V Swivel       |                    |                     |
|             |               | 78 = 78W   |                 |                      |                |                                | /PCT = 120-277V Twistlock |                    |                     |
|             |               |            |                 |                      |                |                                | /PCS4 = 480V Swivel       |                    |                     |
|             |               |            |                 |                      |                |                                | /PCT4 = 480V Twistlock    |                    |                     |