

# ALED3T150/D10



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

**Project:**

**Type:**

**Prepared By:**

**Date:**

### Driver Info

|              |                  |
|--------------|------------------|
| Type:        | Constant Current |
| 120V:        | 1.31A            |
| 208V:        | 0.80A            |
| 240V:        | 0.69A            |
| 277V:        | 0.60A            |
| Input Watts: | 157W             |
| Efficiency:  | 96%              |

### LED Info

|                 |              |
|-----------------|--------------|
| Watts:          | 150W         |
| Color Temp:     | 5000K (Cool) |
| Color Accuracy: | 65 CRI       |
| L70 Lifespan:   | 100,000      |
| Lumens:         | 12,436       |
| Efficacy:       | 79 LPW       |

## Technical Specifications

### Other

#### ALED3T150 with Dimmable Driver:

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

#### California Title 24:

ALED3T150/D10 with the 0-10V driver option is compliant with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 75 Watts mounted up to 24 feet when used with the RAB Stealth Dimmer. Use catalog number STLDIM10 to order a Stealth Dimmer module. Mounting heights greater than 24 feet require only a photocell. See ALED3T150/PCS or ALED3T150/PCS2 for photocell models.

#### 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 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 Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

#### 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

#### 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

#### Drivers:

Two Drivers, Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

#### THD:

6% at 120V, 11.3% at 277V

#### Surge Protection:

4kV

### Optical

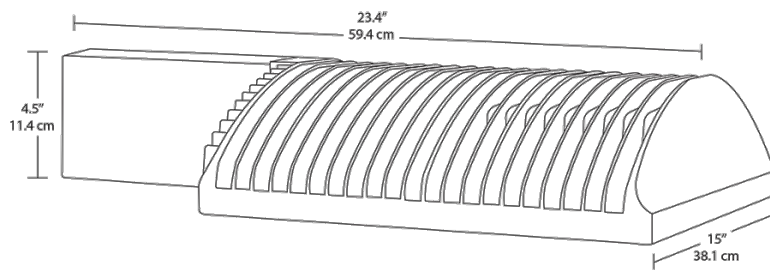
#### Replacement:

The ALED150 replaces 400W Metal Halide Area Lights.

#### BUG Rating:

B1 U0 G2

### 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            |
|--------|---------------|------------|-----------------|--------------|----------------|------------------|---------------------------|--------------------|---------------------|
| ALED   |               |            |                 |              |                |                  |                           |                    |                     |
|        | 2T = Type II  | 150 = 150W | Blank = Arm     | Blank = Cool | Blank = Bronze | Blank = 120-277V | Blank = No Photocell      | Blank = No Dimming | Blank = No Bi-Level |
|        | 3T = Type III | 125 = 125W | SF = Slipfitter | Y = Warm     | W = White      | /480 = 480V      | /PC = 120V Button         | /D10 = Dimmable    | /BL = Bi-Level      |
|        | 4T = Type IV  | 105 = 105W |                 | N = Neutral  | RG = Gray      |                  | /PC2 = 277V Button        |                    |                     |
|        |               | 105 = 105W |                 |              |                |                  | /PCS = 120V Swivel        |                    |                     |
|        |               |            |                 |              |                |                  | /PCS2 = 277V Swivel       |                    |                     |
|        |               |            |                 |              |                |                  | /PCT = 120-277V Twistlock |                    |                     |
|        |               |            |                 |              |                |                  | /PCS4 = 480V Swivel       |                    |                     |
|        |               |            |                 |              |                |                  | /PCT4 = 480V Twistlock    |                    |                     |