# **ALED3T105SF USA**





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. Patent pending thermal management system. 5 Year Warranty.

Color: Bronze Weight: 32.0 lbs

| Project:     | Туре: |
|--------------|-------|
| Prepared By: | Date: |

| Driver Info  |                  | LED Info        |         |
|--------------|------------------|-----------------|---------|
| Туре:        | Constant Current | Watts:          | 105W    |
| 120V:        | 0.89A            | Color Temp:     | 5000K   |
| 208V:        | 0.58A            | Color Accuracy: | 70 CRI  |
| 240V:        | 0.50A            | L70 Lifespan:   | 100000  |
| 277V:        | 0.44A            | Lumens:         | 12476   |
| Input Watts: | 109W             | Efficacy:       | 115 LPW |
| Efficiency:  | 96%              |                 |         |



## **Technical Specifications**

## Listings

## **UL Listing:**

Suitable for wet locations

#### **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: P0000177E

#### 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.

#### **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 C78.377-2017.

## 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 = 2.2

#### **Maximum Ambient Temperature:**

Suitable for use in 40°C (104°F) ambient temperatures

#### **Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F)

#### **Thermal Management:**

Superior thermal management with external "Air-Flow"

#### Lens:

Tempered glass lens.

## 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:

Formulated for high-durability and long lasting color.

#### 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, 16.2% 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

## FTC Country of Origin:

This product was assembled in the USA by RAB using imported components.

### **Buy American Act Compliance:**

This product complies with the Buy American Act.

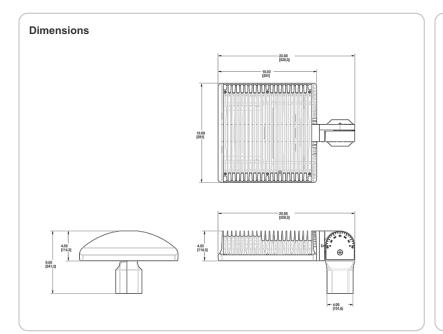
## Optical

## **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

| rdering M<br>Family | Optics   | Wattage   | Mounting                                 | Color Temp   | Finish   | Driver Options  | Photocell Options   |
|---------------------|--|---|--|--|--|---|---|
| ALED                | 3T   | 105   | SF                                       |  |  |   |   |
|                     | 2T =<br>Type II<br>3T =<br>Type III<br>4T =<br>Type IV | 50 = 50W<br>78 = 78W<br>105 =<br>105W<br>125 =<br>125W<br>150 =<br>150W | Blank = Pole<br>mount<br>SF = Slipfitter | Blank = 5000K<br>(Cool)<br>N = 4000K<br>(Neutral)<br>Y = 3000K<br>(Warm) | Blank =<br>Bronze<br>RG = Roadway<br>Gray<br>W = White | Blank = 120-277V /480 = 480V (not available for 150W) /BL = Bi-Level /D10 = 0-10V Dimming | Blank = No Option  /PC = 120V Button Photocell (Pole mount models only)  /PC2 = 277V Button Photocell (Pole mount models only)  /PCT = 120-277V Twistlock Photocell (Pole mount models only)  /PCT4 = 480V Twistlock Photocell (Pole mount models only)  /PCS = 120V Swivel Photocell  /PCS2 = 277V Swivel Photocell  /PCS4 = 480V Swivel Photocell  /WS2 = Multi-Level Motion Sensor 20 ft. (Only available 0 10V dimming models)  /WS4 = Multi-Level Motion Sensor 40 ft. (Only available 0 10V dimming models) |