

ALED3T105N/BL



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: | 0.89A |
| 208V: | 0.58A |
| 240V: | 0.50A |
| 277V: | 0.44A |
| Input Watts: | 106W |
| Efficiency: | 99% |

LED Info

| | |
|-----------------|-----------------|
| Watts: | 105W |
| Color Temp: | 4000K (Neutral) |
| Color Accuracy: | 82 CRI |
| L70 Lifespan: | 100,000 |
| Lumens: | 7,604 |
| Efficacy: | 72 LPW |

Technical Specifications

Other

ALED3T105 with Bi-Level Operation:

Allows 50% and 100% output modes.

California Title 24:

ALED3T105/BL with bi-level operation complies 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 a RAB photo/motion control. Select a photo/motion control using catalog number STL110, STL200 or STL360. Mounting heights greater than 24 feet require only a photocell. See ALED3T105/PCS, ALED3T105/PCS2 or ALED3T105/PCT for photocell versions.

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.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

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

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, 1400mA, 100-277V, 50/60Hz, 0.8A, Power Factor 99%

THD:

7.9% at 120V, 16.8% at 277V

Surge Protection:

4kV

ALED3T105N/BL



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 | | |
| | | | | | | | /PCS = 120V Swivel | | |
| | | | | | | | /PCS2 = 277V Swivel | | |
| | | | | | | | /PCT = 120-277V Twistlock | | |
| | | | | | | | /PCS4 = 480V Swivel | | |
| | | | | | | | /PCT4 = 480V Twistlock | | |