

ALED3T78YRG/BL



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: Gray

Weight: 30.4 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

| | |
|--------------|------------------|
| Type: | Constant Current |
| 120V: | 0.66A |
| 208V: | 0.41A |
| 240V: | 0.35A |
| 277V: | 0.30A |
| Input Watts: | 79W |
| Efficiency: | 99% |

LED Info

| | |
|-----------------|--------|
| Watts: | 78W |
| Color Temp: | 3000K |
| Color Accuracy: | 82 CRI |
| L70 Lifespan: | 100000 |
| Lumens: | 5,607 |
| Efficacy: | 71 LPW |

Technical Specifications

Other

ALED3T78 with Bi-Level Operation:

Allows 50% and 100% output modes.

California Title 24:

ALED3T78/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 ALED3T78/PCS, ALED3T78/PCS2 or ALED3T78/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.

Patents:

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

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 as a downlight.

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have 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.

Optical

Lumen Maintenance:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Replacement:

The ALED78 replaces 250W Metal Halide Area Lights.

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.

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°C/-40°F

Thermal Management:

Superior heat sinking with external Air-Flow fins.

Effective Projected Area:

EPA = 0.75

Housing:

Die cast aluminum housing, lens frame and mounting arm.

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.

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.

Technical Specifications (continued)

LED Characteristics

LEDs:

Six (6) multi-chip, 13W, high-output, long-life LEDs.

Color Consistency:

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

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.

Electrical

Driver:

(2) Drivers Constant Current, Class 2, 1050mA, 100-277V, 50/60Hz, 0.6A, Power Factor 99%

Surge Protection:

4kV

Surge Protector:

ALED78 is available with a 6kV surge protector (SP6). SP6 available .

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