# ALEDM3T



Color: Bronze

Weight: 16.5 lbs

| | |
|---|---|
| **Project:** | **Type:** |
| **Prepared By:** | **Date:** |

### Driver Info

| | |
|---|---|
| Type | Constant Current |
| 120V | 1.25A |
| 208V | 0.73A |
| 240V | 0.63A |
| 277V | 0.55A |
| Input Watts | 76/91.6/148.2W |

### LED Info

| | |
|---|---|
| Watts | 150W |
| Color Temp | 5000K (Cool) |
| Color Accuracy | 85 CRI |
| L70 Lifespan | 100,000 Hours |
| Lumens | 10603/12617/19192 lm |
| Efficacy | 139.5/137.7/129.5 lm/W |

## Technical Specifications

### Field Adjustability

**Field Adjustable (Wattage):**
Field adjustable light output in 3 discrete steps: Medium Housing: 150W/90W/78W (factory default 150W)

### Compliance

**UL Listed:**
Suitable for wet locations

**IP Rating:**
Ingress protection rating of IP66 for dust and water

**IESNA LM-79 & LM-80 Testing:**
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

**Trade Agreements Act Compliant:**
This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

**DLC Listed:**
This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

### LED Characteristics

**LEDs:**
Long-life, high-efficacy, discrete, surface-mount LEDs

**Color Consistency:**
7-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 color temperature over a 5-year period

**Color Uniformity:**
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2017.

### Electrical

**Driver:**
78W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.65A, 208V: 0.38A, 240V: 0.33A, 277V: 0.29A

90W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.75A, 208V: 0.44A, 240V: 0.38A, 277V: 0.33A

150W: Constant Current, Non-Class 2, 120-277V, 50/60 Hz, 120V: 1.25A, 208V: 0.73A, 240V: 0.63A, 277V: 0.55A

**Dimming Driver:**
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

**THD:**
3.59% at 120V, 8% at 277V

**Power Factor:**
100% at 120V, 95.7% at 277V

**Surge Protection:**
Line to Line: 10 kV
Line to Ground: 6 kV

### Performance

**Lifespan:**
100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations


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## Technical Specifications (continued)

**Wattage Equivalency:**
Equivalent to 400W Metal Halide

### Optical

**IES Classification:**
The Type III distribution is meant to be located near the side of an area, projecting the light outward to fill the area. Ideal for roadways, general parking areas, lighting applications and where a large pool of light is required.

**Bug Rating:**
150W: B2 U0 G3
90W: B1 U0 G2
78W: B1 U0 G2

### Construction

**Cold Weather Starting:**
The minimum starting temperature is -40°F (-40°C)

**Ambient Temperature :**
Max Power Temp Rating: 104°F (40°C )
Middle Power Temp Rating: 52°C (125°F)
Low Power Temp Rating: 54°C (130°F)

**Housing:**
Die-cast aluminum

**Lens:**
Polycarbonate lens

**Reflector:**
Aluminum reflector with white polycarbonate

**Vibration Rating:**
3G vibration rating per ANSI C136.31

**Effective Projected Area (EPA):**
1 Fixture: 0.37
2 Fixtures at 90°: 0.59
2 Fixtures at 180°: 0.74
3 Fixtures at 90°: 0.96
4 Fixtures at 90°: 0.96

**Gaskets:**
High-temperature silicone gaskets

**Finish:**
Formulated for high durability and long-lasting color

**Green Technology:**
Mercury and UV free. RoHS-compliant components.

### Installation

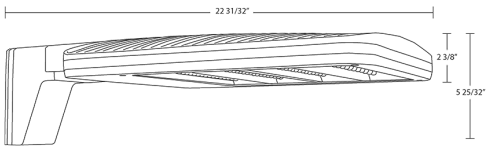
**Mounting:**
Universal mounting arm compatible for hole spacing patterns from 1" to 3" center to center. Round Pole adapter plate included as a standard. Easy slide and lock to mount fixture with ease.

### Other

**10-Year, No-Compromise Warranty:**
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.


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## Dimensions




## Features

- 0-10V dimmable standard
- IP66 Rated
- 100,000-Hour LED lifespan
- 10-Year, No-Compromise Warranty

## Ordering Matrix

| Family | Housing Size | Distribution | Mounting | Color Temp | Finish | Driver | Options |
|---|---|---|---|---|---|---|---|
| ALED | M | 3T | | | | | |
| | **M =** Medium (150W/90W/78W)<br>**L =** Large (260W/220W/170W)<br>**XL =** Extra Large (385W/345W/300W)<br>**S =** Small (80W/60W/40W) | **2T =** Type II<br>**3T =** Type III<br>**4T =** Type IV<br>**5T =** Type V<br>**AT =** Auto Dealership Optic | **Blank =** Universal Pole Mount<br>**SF =** Slipfitter<br>**WM =** Wall Mount | **Blank =** 5000K Cool<br>**Y =** 3000K Warm [1]<br>**N =** 4000K Neutral | **Blank =** Bronze<br>**W =** White<br>**B =** Black | **Blank =** 120-277V, 0-10V Dimming<br>**/480 =** 480V, 0-10V Dimming | **Blank =** No Option<br>**/7PR =** 7 Pin Twistlock Receptacle<br>**/WS2 =** Wattstopper, 20ft lens<br>**/WS4 =** Wattstopper, 40ft lens [3] |

[1] *Dark sky approved in 3000K, available only on Small and Medium fixtures*
[2] *480V available only on Medium, Large & Extra Large fixtures*
[3] *Wattstopper option available only 0n Large & Extra Large fixtures*


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