



Color: Bronze

Weight: 31.1 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

#### Driver Info

Type: Constant Current  
 120V: 0.17A  
 208V: 0.11A  
 240V: 0.10A  
 277V: 0.09A  
 Input Watts: 77W  
 Efficiency: N/A

#### LED Info

Watts: 78W  
 Color Temp: 5000K (Cool)  
 Color Accuracy: 71 CRI  
 L70 Lifespan: 100,000  
 Lumens: 9263  
 Efficacy: 121 LPW

## Technical Specifications

### LED Characteristics

#### Lifespan:

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

#### 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 C78.377-2017.

### Listings

#### 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: P0000179S

#### IESNA LM-79 & IESNA 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.

#### UL Listing:

Suitable for wet locations as a downlight

#### Dark Sky Conformance:

Conforms to (allows for conformance to) the IDA's fully shielding requirement, emitting no light above 90 degrees (with the exclusion of incidental light reflecting from fixture housing, mounts, and pole).

### 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 (104°F) ambient temperatures

#### Cold Weather Starting:

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

#### Thermal Management:

Superior heat sinking with external Air-Flow fins

#### Effective Projected Area:

EPA = 0.75

#### Lens:

Tempered glass lens

#### Housing:

Die cast aluminum housing, lens frame and mounting arm

#### Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High temperature silicone gaskets

#### Finish:

Formulated for high-durability and long lasting color

#### Green Technology:

Mercury and UV-free. RoHS compliant components.

### Electrical

#### Driver:

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

#### THD:

5.3% at 120V, 13.3% at 277V

#### Surge Protection:

4kV

#### Surge Protector:

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

## Technical Specifications (continued)

### Other

#### Compatibility:

Compatible with Round Poles with a diameter of 2.5" to 6"

#### 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.

#### Replacement:

Replaces 250W Metal Halide

### BAA Compliance:

Click for BAA compliance.

### 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. RAB's warranty is subject to all terms and conditions found at

### Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

### Optical

#### BUG Rating:

B1 U0 G2

## Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

5-year warranty

## Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver Options	Options	Other Options
ALED	3T	78	^	^	^	^	^	^
	4T = Type IV	50 = 50W 66 = 66W	Blank = Pole mount	Blank = 5000K (Cool)	Blank = Bronze	Blank = 120-277V	Blank = No Option	Blank = Standard
	3T = Type III	78 = 78W	SF = Slipfitter	N = 4000K (Neutral)	RG = Roadway Gray	/480 = 480V	/LC = Lightcloud® Controller	USA = BAA Compliant
	2T = Type II	105 = 105W 125 = 125W 150 = 150W 150W		Y = 3000K (Warm)	W = White K = Black	/BL = Bi-Level Dimming /D10 = 0-10V Dimming	/PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCS4 = 480V Swivel Photocell /PCT4 = 480V Twistlock Photocell /WS2 = Multi-Level Motion Sensor 20 ft. /WS4 = Multi-Level Motion Sensor 40 ft.	