



Color: Bronze

Weight: 32.0 lbs

<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type	Constant Current	Watts	78W
120V	0.66A	Color Temp	5000K (Cool)
208V	0.41A	Color Accuracy	71 CRI
240V	0.35A	L70 Lifespan	100,000 Hours
277V	0.30A	Lumens	10,157 lm
Input Watts	77.1W	Efficacy	131.7 lm/W

## Technical Specifications

### Lightcloud

#### Lightcloud Controller Installed:

Fixture, Zone, and plug-load control from one powerful device. Capable of switching, 0-10V dimming, power monitoring. Can also be used to extend the range of the Lightcloud mesh network. Attach to fixture, junction box, or electrical panel. [Learn more about Lightcloud.](#)

### Compliance

#### DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. DLC Product Code: P4E12RE9

#### UL Listed:

Suitable for wet locations as a downlight

#### 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

### Electrical

#### Driver:

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

#### Dimming Driver:

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

#### THD:

5.0% at 120V, 12.3% at 277V

#### Power Factor:

99.5% at 120V, 93.6% at 277V

#### Surge Protection:

4kV

### Performance

#### Lifespan:

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

#### Wattage Equivalency:

Equivalent to 250W Metal Halide

### Construction

#### IES Classification:

The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

#### Ambient Temperature:

Suitable for use in up to 40°C (104°F)

#### Cold Weather Starting:

The minimum starting temperature is -40°C (-40°F)

#### Thermal Management:

Superior heat sinking with external Air-Flow fins

#### Lens:

Tempered glass lens

#### Housing:

Die-cast aluminum housing, lens frame and mounting arm

## Technical Specifications (continued)

**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

**EPA:**

- 1 Fixture: 0.75
- 2 Fixtures at 90°: 1.2
- 2 Fixtures at 180°: 2.4
- 3 Fixtures at 90°: 2.4
- 4 Fixtures at 90°: 1.8

**Finish:**

Formulated for high durability and long-lasting color

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

**LED Characteristics****LEDs:**

Six (6) multi-chip, 13W, high-output, long-life 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 Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

**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.

**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 [rablighting.com/warranty](http://rablighting.com/warranty).

**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

## Dimensions



## Features

- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- 5-Year, No-Compromise Fixture Warranty and 10-Year, No-Compromise Lightcloud Warranty

## Ordering Matrix

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