



ALED Area Lights mount to 4" square steel poles at 15-20'. Available in regular, cutoff and full cutoff versions. 1 to 4 fixtures can be mounted to each pole. IES Full Cutoff, Fully Shielded optics. 5 year Warranty.

Color: Bronze

Weight: 16.4 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

#### Driver Info

Type: Constant Current  
120V: 0.71A  
208V: 0.41A  
240V: 0.36A  
277V: 0.31A  
Input Watts: 81W  
Efficiency: 99%

#### LED Info

Watts: 80W  
Color Temp: 5000K (Cool)  
Color Accuracy: 67 CRI  
L70 Lifespan: 100,000  
Lumens: 8,120  
Efficacy: 100 LPW

## Technical Specifications

### Other

#### ALEDC80 with Dimmable Driver:

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

#### California Title 24:

See ALEDC80/PCS for a 2013 California Title 24 compliant model.

#### 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 pending in the U.S., Canada, China, Taiwan and Mexico.

#### 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 80.225-21 "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 and Suitable for mounting below 4' of the ground.

#### DLC Listed:

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

#### 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.

### Optical

#### Lumen Maintenance:

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

#### Replacement:

The ALEDC80 replaces 250W HID Area Lights.

#### BUG Rating:

B1 U1 G2

### 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.

#### Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

#### Cold Weather Starting:

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

### Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. The ALED is designed for cool operation, most efficient output and maximum LED life by minimizing LED junction temperature.

### Housing:

Precision die cast aluminum housing, lens frame.

### Arm:

Die-cast aluminum with wiring access plate.

### Reflector:

Specular vacuum-metallized polycarbonate

### Gaskets:

High temperature silicone.

### 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:

ALEDs are Mercury and UV free.

### LED Characteristics

#### LEDs:

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

## Technical Specifications (continued)

### LED Characteristics

#### Color Consistency:

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

#### 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 C78.377-2008.

### Electrical

#### Drivers:

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

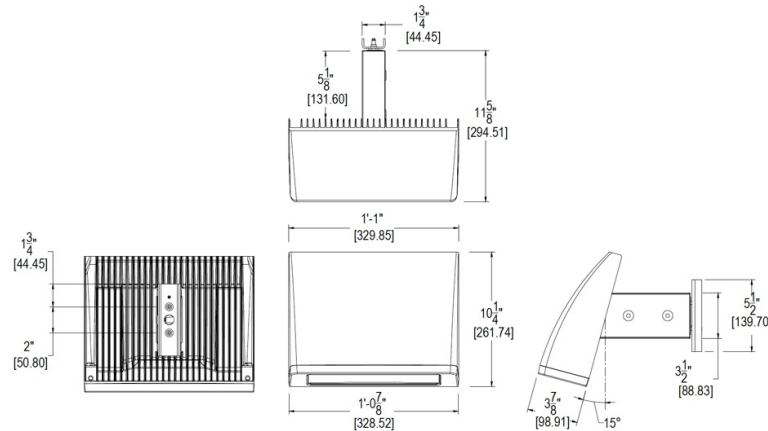
#### THD:

4.3% at 120V, 12.4% at 277V

#### Surge Protection:

6kV

## Dimensions



## Features

High output LED light engine

Maintains 70% of initial lumens at 100,000 hours

Weatherproof high temperature silicone gaskets

Superior heat sinking with die cast aluminum housing and external fins

## Ordering Matrix

Family	Cutoff	Watts	Color Temp	Finish	Voltage	Photocell	Dimming	Bi-Level
ALED								
	= Standard C = Cutoff FC = Full Cutoff	80 = 80W	= Cool Y = Warm N = Neutral	= Bronze W = White	= 120-277V /480 = 480V	= No Photocell /PCS = 120V Swivel /PCS2 = 277V Swivel /PCS4 = 480V Swivel	= No Dimming /D10 = Dimmable	= No Bi-Level /BL = Bi-Level