

ALED Area Light mounts to 4" square steel poles at 15-20'. 1 to 4 ALEDs can be mounted to each pole. IESNA Full Cutoff, Fully shielded optics. 5 year warranty.

Color: White

Weight: 3.3 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

#### Driver Info

Type: Constant Current  
 120V: 0.13A  
 208V: 0.08A  
 240V: 0.07A  
 277V: 0.06A  
 Input Watts: 15W  
 Efficiency: 87%

#### LED Info

Watts: 13W  
 Color Temp: 3000K  
 Color Accuracy: 87 CRI  
 L70 Lifespan: 100000  
 Lumens: 662  
 Efficacy: 44 LPW

## Technical Specifications

### Listings

#### UL Listing:

Suitable for wet locations.

#### 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.

#### Lumen Maintenance:

The LED will deliver 70% of its initial lumens at 100,000 hours of operation.

#### Fixture Efficacy:

44 Lumens per Watt

### 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.

#### Housing:

Precision die cast aluminum housing, lens frame.

#### Gaskets:

High temperature silicone.

#### Effective Projected Area:

EPA = 0.2

#### 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.

#### Maximum Ambient Temperature:

Suitable for use in 55°C (131°F) ambient temperatures.

#### Cold Weather Starting:

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

### Other

#### 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 design of the ALED is protected by patents pending in Canada, U.S., China and Taiwan.

#### California Title 24:

See ALED13/PC for a 2013 California Title 24 compliant model.

#### Equivalency:

The ALED13 is Equivalent in delivered lumens to a 50W Metal Halide Area Light.

#### HID Replacement Range:

The ALED13 can be used to replace 35 - 70W Metal Halide Area Lights based on delivered lumens.

#### 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.

### LED Characteristics

#### 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.

## Technical Specifications (continued)

### LED Characteristics

#### Color Temperature:

3000K

#### Color Accuracy:

87 CRI

### Electrical

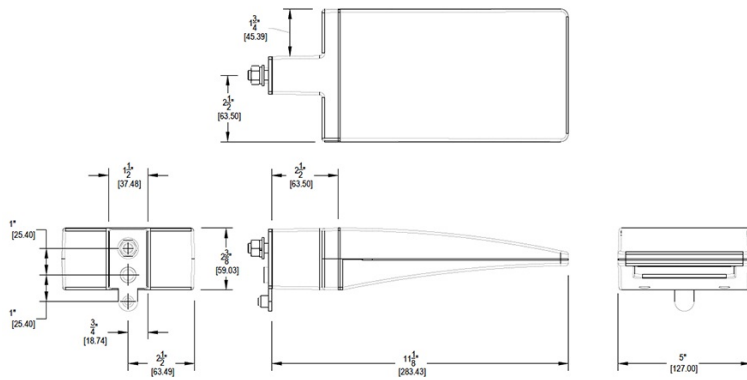
#### Driver:

Multi-chip 13W high output long life LED Driver  
Constant Current, Class 2 100V - 277V, 50/60 Hz.

#### Surge Protection:

4kV

## 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	Watts	Color Temp	Finish	Photocell
ALED	20 = 20W 13 = 13W 10 = 10W	Blank = 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	Blank = Bronze W = White	Blank = No Photocell /PC = 120V Button /PC2 = 277V Button