



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: Bronze

Weight: 5.1 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

#### Driver Info

Type: Constant Current  
120V: 0.19A  
208V: 0.12A  
240V: 0.10A  
277V: 0.08A  
Input Watts: 22W  
Efficiency: 91%

#### LED Info

Watts: 20W  
Color Temp: 4000K  
Color Accuracy: 74 CRI  
L70 Lifespan: 100000  
Lumens: 1111  
Efficacy: 51 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.

#### Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

### LED Characteristics

#### Lifespan:

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.

#### 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 C78.377-2015.

#### Color Accuracy:

74 CRI

#### Color Temperature (Nominal CCT):

4000K

### Construction

#### IP Rating:

Ingress Protection rating of IP66 for dust and water

#### 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 and mounting plate.

#### Gaskets:

High temperature silicone.

#### Finish:

Formulated for high-durability and long lasting color.

#### Effective Projected Area:

EPA = 0.23.

#### Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

#### Cold Weather Starting:

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

#### Maximum Ambient Temperature:

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

#### EPA:

0.10.

#### Two Mounting Options:

Junction Box with 5 Conduit Entry Points and Threaded Plugs for surface mounting plus Cover Plate for mounting over 4" recessed junction box included.

#### For use on LEED Buildings:

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

### 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 ALED20 design is protected under patents pending in Canada, U.S., China, Taiwan and Mexico.

#### Equivalency:

Equivalent to 50W Metal Halide.

#### 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.

## Technical Specifications (continued)

### Electrical

#### Total Harmonic Distortion:

THD = 8.1%.

#### Driver:

Automatic Voltage Sensing Driver for 120-277 volts.

#### Driver:

Two Multi-chip 10W high output long life LED Driver  
Constant Current, Class 2

#### Optical

#### Fixture Efficacy:

51 Lumens per Watt

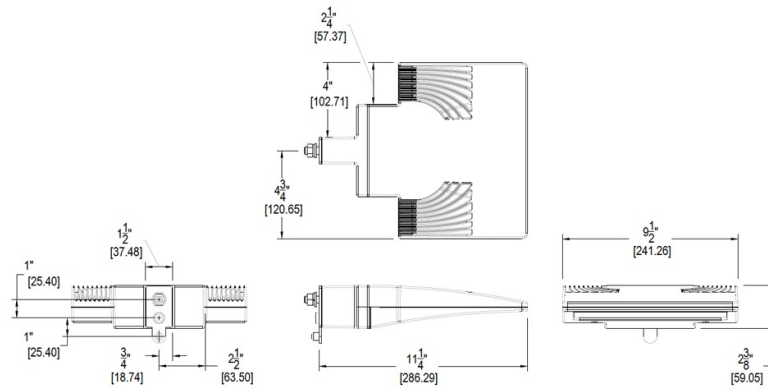
#### BUG Rating:

B1 U0 G0

#### BUG Rating:

B1 U0 G0

## 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	<b>20</b> = 20W <b>13</b> = 13W <b>10</b> = 10W	<b>Blank</b> = 5000K (Cool) <b>Y</b> = 3000K (Warm) <b>N</b> = 4000K (Neutral)	<b>Blank</b> = Bronze <b>W</b> = White	<b>Blank</b> = No Photocell <b>/PC</b> = 120V Button <b>/PC2</b> = 277V Button