

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: 5.1 lbs

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

| Driver Info  |                  | LED Info        |              |
|--------------|------------------|-----------------|--------------|
| Type:        | Constant Current | Watts:          | 20W          |
| 120V:        | 0.19A            | Color Temp:     | 3000K (Warm) |
| 208V:        | 0.12A            | Color Accuracy: | 70 CRI       |
| 240V:        | 0.10A            | L70 Lifespan:   | 100,000      |
| 277V:        | 0.08A            | Lumens:         | 985          |
| Input Watts: | 22W              | Efficacy:       | 45 LPW       |
| Efficiency:  | 92%              |                 |              |

## 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.

#### 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 C78.377-2008.

#### Color Accuracy:

70 CRI

#### Color Temperature (Nominal CCT):

3000K

### 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:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

#### Effective Projected Area:

EPA = 0.23.

#### Green Technology:

RC LEDs are Mercury, Arsenic and UV free.

#### Cold Weather Starting:

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

#### Ambient Temperature:

Suitable for use in 50°C (122°F) ambient temperatures.

### EPA:

0.10.

### Thermal Management:

Integral cast aluminum mounting pad and external fins for optimal heat sinking to ensure cool operation with maximum LED life and light output.

### 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:

The ALED20 is Equivalent in delivered lumens to a 50W Metal Halide Area Light.

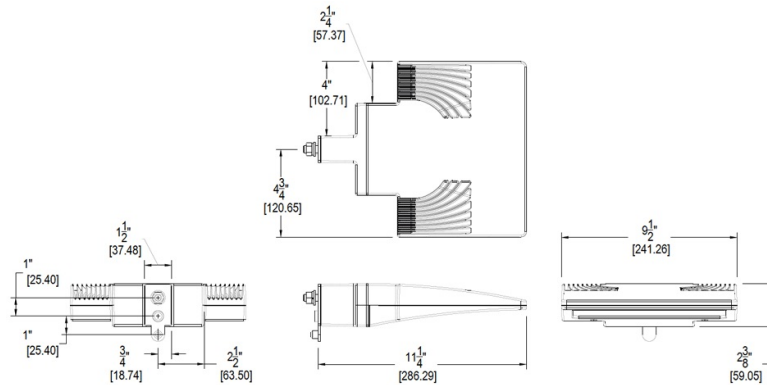
#### HID Replacement Range:

The ALED20 can be used to replace 35 - 70W Metal Halide Area Lights based on delivered lumens.

## Technical Specifications (continued)

|  |   |   |
|--|---|---|
| <p><b>Other</b></p> <hr/> <p><b>Country of Origin:</b><br/>Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.</p> <p><b>Buy American Act Compliant:</b><br/>This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.</p> <p><b>Recovery Act (ARRA) Compliant:</b><br/>This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).</p> <p><b>Trade Agreements Act Compliant:</b><br/>This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.</p> | <p><b>GSA Schedule:</b><br/>Suitable in accordance with FAR Subpart 25.4.</p> <p><b>Optical</b></p> <hr/> <p><b>Lumen Maintenance:</b><br/>The LED will deliver 70% of its initial lumens at 100,000 hours of operation.</p> <p><b>Fixture Efficacy:</b><br/>45 Lumens per Watt</p> <p><b>Electrical</b></p> <hr/> <p><b>Total Harmonic Distortion:</b><br/>THD = 8.1%.</p> | <p><b>Driver:</b><br/>Automatic Voltage Sensing Driver for 120-277 volts.</p> <p><b>Driver:</b><br/>Two Multi-chip 10W high output long life LED Driver Constant Current, Class 2</p> |
|--|---|---|

## 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<br>13 = 13W<br>10 = 10W | = Cool<br>Y = Warm<br>N = Neutral | = Bronze<br>W = White | = No Photocell<br>/PC = 120V Button<br>/PC2 = 277V Button |