



ALED Area Light mounts to 4" square steel poles at 10-15'. Equivalent to 70W HPS. 1 to 4 ALEDs can be mounted to each pole. IESNA Full Cutoff, Fully shielded optics. 5 year warranty.

Color: Bronze

Weight: 3.2 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
120V: 0.21A
208V: 0.14A
240V: 0.12A
277V: N/A
Input Watts: 13W
Efficiency: 76%

LED Info

Watts: 10W
Color Temp: 5000K (Cool)
Color Accuracy: 92 CRI
L70 Lifespan: 100,000
Lumens: 547
Efficacy: 41 LPW

Technical Specifications

Other

ALED10 with Photocell:

120V Photocell Included. Photocell is only compatible with 120V.

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.

California Title 24:

ALED10/PC with photocell option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture ≤75 Watts.

Patents:

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

Equivalency:

The ALED10 is Equivalent in delivered lumens to a 35W Metal Halide Area Light.

HID Replacement Range:

The ALED10 can be used to replace 35 - 50W 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.

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:

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 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:

92 CRI

Color Temperature (Nominal CCT):

5000K

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:

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

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, Arsenic and UV free.

Effective Projected Area:

EPA = 0.2

Technical Specifications (continued)

Construction

Cold Weather Starting:

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

Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures

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.

Maximum EPA:

Fixed Arm = 0.10.

Optical

Lumen Maintenance:

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

Fixture Efficacy:

41 Lumens per Watt

BUG Rating:

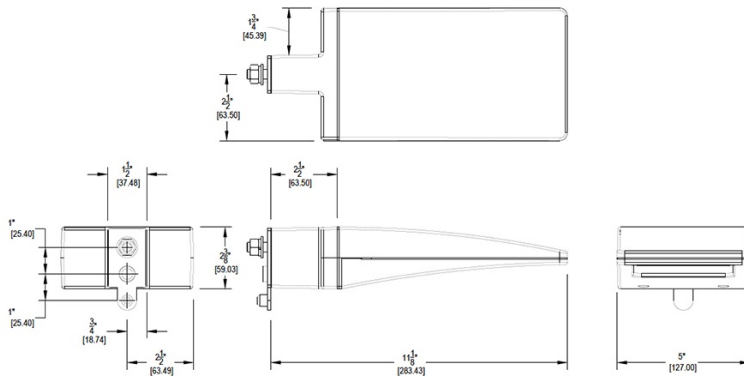
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Electrical

Driver:

Multi-chip 10W high output long life LED Driver
Constant Current, Class II, 120V-240V, 50/60/ Hz,
350mA.

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	= Cool Y = Warm N = Neutral	= Bronze W = White	= No Photocell /PC = 120V Button /PC2 = 277V Button