



Standard mounting. Mounts to square steel poles at 20 - 30 ft, up to 4 fixtures per pole. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.

Color: Bronze

Weight: 26.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
120V: 0.95A
208V: 0.59A
240V: 0.51A
277V: 0.44A
Input Watts: 106W
Efficiency: 98%

LED Info

Watts: 104W
Color Temp: 5100K
Color Accuracy: 71 CRI
L70 Lifespan: 100000
Lumens: 13129
Efficacy: 124 LPW

Technical Specifications

Listings

UL Listing:

UL Suitable for Wet Locations as Uplight and Downlight.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code: P000017BO

IESNA LM-79 & LM-80 Testing:

RAB LED Luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Standard Mount:

Standard 15° mount. Die-cast aluminum wall bracket with (5) 1/2" conduit openings with plugs. Two piece bracket with tether for ease of installation and wiring.

Effective Projected Area:

EPA = 2.0

Cold Weather Starting:

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

Maximum Ambient Temperature:

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

Housing:

Precision die cast aluminum housing, lens frame.

Arm:

Die-cast aluminum with wiring access plate.

Lens:

Tempered glass

Reflector:

Specular vacuum metallized polycarbonate.

Gaskets:

High-temperature silicone

Green Technology:

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

LED Characteristics

LEDs:

Four multi-chip, high-output, long-life LEDs.

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 C78.377.2011.

Electrical

Driver:

Constant current, Class 1, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 100-277V = 0.95A, Power Factor 99.7%.

THD:

5.1% at 120V, 10.1% at 277V

Power Factor:

99.6% at 120V, 91.9% at 277V

Other

Patents:

The design of the ALED104 is protected by patents pending in US, Canada, China, Taiwan and Mexico.

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.

Buy American Act Compliance:

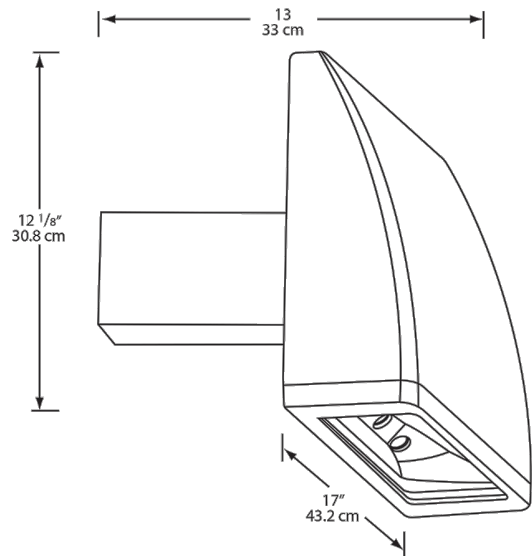
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

B1 U1 G3

Dimensions



Features

- 75% energy savings
- Superior heat sinking with die cast aluminum housing and external fins
- 100,000-hour LED lifespan
- 5-year warranty

Ordering Matrix

Family	Cutoff	Wattage	Color Temp	Finish	Options
ALED		104			
	Blank = Standard (15°) C = Cutoff (7.5°) FC = Full Cutoff (0°)	104 = 104W	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze W = White	Blank = No Option /480 = 480V /BL = Bi-Level /PCT = 120-277V Twistlock Photocell /PCT4 = 480V Twistlock Photocell