



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

Electrical

Photocell:

120-277V twistlock photocell included. Photocell is compatible with 120-277V.

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

Listings

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

UL Listing:

UL Suitable for Wet Locations as Uplight and Downlight.

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

Finish:

Formulated for high-durability and long lasting color.

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.

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.

Technical Specifications (continued)

Other

Buy American Act Compliance:

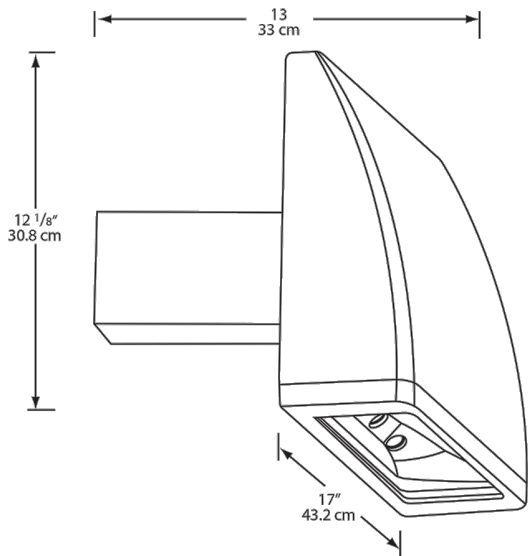
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

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			/PCT
	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