ALEDFC104N

RAB LIGHTING

Project:	Type:
Prepared By:	**Date:**

Full Cutoff mounitng. 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

Driver Info

Type:	Constant Current
120V:	0.95A
208V:	0.59A
240V:	0.51A
277V:	0.44A
Input Watts:	107W
Efficiency:	97%

LED Info

Watts:	104W
Color Temp:	4000K
Color Accuracy:	82 CRI
L70 Lifespan:	100000
Lumens:	9,840
Efficacy:	92 LPW

Technical Specifications

Listings

UL Listing:

UL Suitable for Wet Locations as Uplight and Downlight.

Dark Sky Approved:

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

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.

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: P00001719

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Effective Projected Area:

EPA = 2.0

Cold Weather Starting:

Minimum starting temperature is -40°F / -40°C

Maximum Ambient Temperature:

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

Thermal Management:

Superior thermal management with external Air-Flow fins.

Housing:

Precision die cast aluminum housing, lens frame

Lens:

Tempered glass.

Reflector:

Specular vacuum metallized polycarbonate.

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:

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

Other

Full Cutoff Mount:

Full cutoff 0° 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.

California Title 24:

See ALEDFC104/BL, ALEDFC104/PCT or ALEDFC104/480/PCT4 for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

Patents:

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

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.

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.

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.

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Technical Specifications (continued)

LED Characteristics

Color Accuracy (CRI):

85 CRI

Correlated Color Temp. (Nominal CCT):

4000K

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 C78.377.2011.

Electrical

Driver:

Constant current, Class 1, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 100-277V = Power Factor 99.6%.

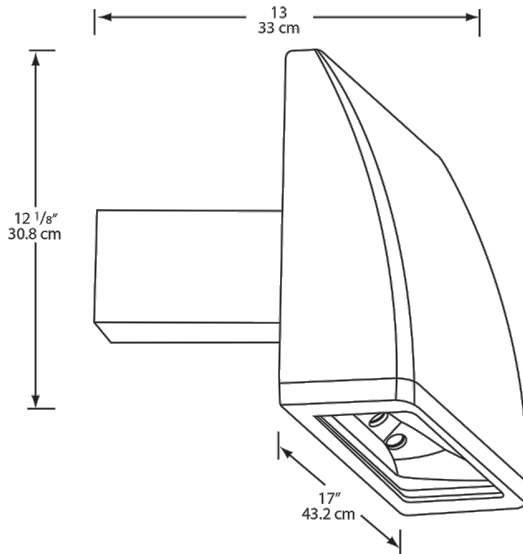**THD:**

4.3% at 120V, 8.7% at 277V

Input Watts:

112W.

Optical

Output Lumens:

7686

BUG Rating:

B2 U0 G1

Dimensions

13
33 cm

12 ¹/₈"
30.8 cm

17"
43.2 cm

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	Watts	Color Temp	Finish	Voltage	Photocell	Bi-Level
ALED							
	Blank = Standard	**104** = 104W	**Blank** = 5000K (Cool)	**Blank** = Bronze	**Blank** = 120-277V	**Blank** = No Photocell	**Blank** = No Bi-Level
	C = Cutoff		**Y** = 3000K (Warm)	**W** = White	**/480** = 480V	**/PCT** = 120-277V Twistlock	**/BL** = Bi-Level
	FC = Full Cutoff		**N** = 4000K (Neutral)			**/PCT4** = 480V Twistlock	

Need help? Tech help line: **(888) RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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