ALEDC104/LC

RAB

Project:	Type:
Prepared By:	Date:

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	106.6W

LED Info

Watts	104W
Color Temp	5100K (Cool)
Color Accuracy	71 CRI
L70 Lifespan	100,000 Hours
Lumens	14,058 lm
Efficacy	131.9

Technical Specifications

Compliance

IP Rating:
Ingress protection rating of IP66 for dust and water

IESNA LM-79 &lm-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNAlm-79 andlm-80

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: P000017BI

LED Characteristics

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

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 color temperature over a 5-year period

Color Uniformity:
RAB's range of 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, 120-277V, 50/60 Hz, 4kV Surge Protection, 120V: 0.95A, 208V: 0.59A, 240V: 0.51A, 277V: 0.44A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
4.97% at 120V, 7.07% at 277V

Power Factor:
99.7% at 120V, 92.2% at 277V

Performance

Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Wattage Equivalency:
Equivalent to 400W Pulse Start Metal Halide

Construction

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature:
Suitable for use in up to 40°C (104°F)

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

EPA:
1 Fixture: 2.0
2 Fixtures at 90°: 3.5
2 Fixtures at 180°: 4.0
3 Fixtures at 90°: 4.5
4 Fixtures at 90°: 4.5

RAB

Technical Specifications (continued)

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

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. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

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.

Lightcloud

Lightcloud Controller Installed:
Integrated/embedded networked lighting control, luminaire-level lighting control. Fixture, Zone, and plug-load control from one powerful device. LLLC - capable of switching, 0-10Vdimming, power/energy monitoring. Can also be used to extend the range of the Lightcloud mesh network communication protocols. Offers the capability to set the maximum light output to a less-than-maximum state of an individual luminaire at the time of installation or commissioning. The High-End trim functionality is field reconfigurable via the Lightcloud mesh network communication protocols. The Lightcloud controller can be attached to the fixture, junction box, or electrical panel.
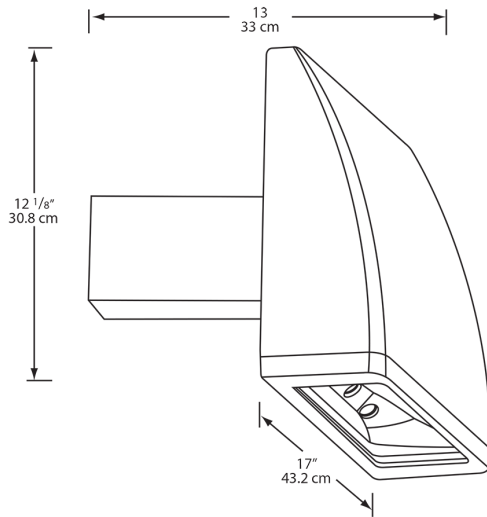DLC system - NHCZ2BIA17L
Learn more about Lightcloud.

Optical

BUG Rating:
B1 U2 G2

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, No-Compromise Fixture Warranty and 10-Year, No-Compromise Lightcloud Warranty

Ordering Matrix

Family	Cutoff	Wattage	Color Temp	Finish	Driver Options	Options
ALED	C	104				/LC

Cutoff:
Blank = Standard (15°)
C = Cutoff (7.5°)
FC = Full Cutoff (0°)

Wattage:
52 = 52W
80 = 80W

Color Temp:
Blank = 5000K Cool
N = 4000K Neutral
Y = 3000K Warm

Finish:
Blank = Bronze
W = White

Driver Options:
Blank = 120-277V
/480 = 480V
/BL = Bi-Level
/D10 = 0-10V Dimming

Options:
Blank = No Option
/PCS = 120V Swivel Photocell
/PCS2 = 277V Swivel Photocell
/PCS4 = 480V Swivel Photocell
/PCT = 120-277V Twistlock Photocell
/PCT4 = 480V Twistlock Photocell
/LC = Lightcloud® Controller