ALED80N/PCS

RAB

Color: Bronze   Weight: 16.4 lbs

Driver Info

Type	Constant Current
120V	0.71A
208V	N/A
240V	N/A
277V	N/A
Input Watts	83.1W

LED Info

Watts	80W
Color Temp	4000K (Neutral)
Color Accuracy	76 CRI
L70 Lifespan	100,000 Hours
Lumens	10,018 lm
Efficacy	120.6

Technical Specifications

Compliance

UL Listed:
Suitable for wet locations. Suitable for mounting within 4 feet of the ground.

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: PGEU5C1C

Electrical

Driver:
Constant Current, Class 2, 120-277V, 50-60Hz, 120V: 0.71A

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

THD:
5.99% at 120V, 10.03% at 277V

Power Factor:
99.6% at 120V, 93.6% at 277V

Surge Protection:
6kV

Photocell:
120V Swivel photocell included. Photocell is only compatible with 120V.

Performance

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

Wattage Equivalency:
Equivalent to 250W Metal Halide

Construction

IES Classification:
The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

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

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

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.

Housing:
Precision die-cast aluminum housing, lens frame

Arm:
Die-cast aluminum with wiring access plate

Reflector:
Specular vacuum-metallized polycarbonate

Gaskets:
High-temperature silicone

EPA:
1 Fixture: 1.5
2 Fixtures at 90°: 2.4
2 Fixtures at 180°: 2.9
3 Fixtures at 90°: 3.2
4 Fixtures at 90°: 3.2

Finish:
Formulated for high durability and long-lasting color

RAB

Technical Specifications (continued)

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

LED Characteristics

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 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 C78.377-2017.

Other

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.

Patents:
The WPLED design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.
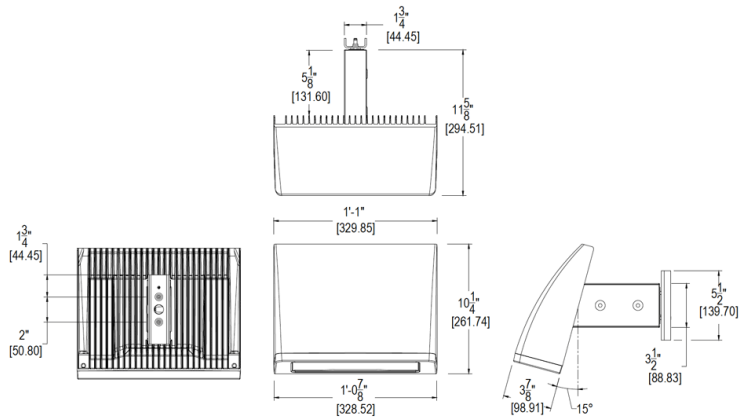
Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:
B1 U1 G3

RAB®

Dimensions

Features

75% energy savings

Superior heat sinking with die cast aluminum housing and external fins

100,000-hour LED lifespan

5-Year, No-Compromise Warranty

Ordering Matrix

Family	Cutoff	Wattage	Color Temp	Driver Options	Options
ALED		80	N		/PCS
	Blank = Standard (15°) **C =** Cutoff (7.5°) **FC =** Full Cutoff (0°)	**52 =** 52W **80 =** 80W	**Blank =** 5000K Cool **N =** 4000K Neutral **Y =** 3000K Warm	**Blank =** 120-277V **/480 =** 480V **/BL =** Bi-Level **/D10 =** 0-10V Dimming	**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

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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