ALED18N/PC



Color: Bronze

Weight: 6.5 lbs

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

Driver Info

Type	Constant Current
120V	0.15A
208V	0.09A
240V	0.08A
277V	0.07A
Input Watts	21.2W

LED Info

Watts	18W
Color Temp	4000K (Neutral)
Color Accuracy	70 CRI
L70 Lifespan	100,000 Hours
Lumens	2,775 lm
Efficacy	130.9 lm/W

Technical Specifications

Electrical

Driver:
Constant Current, Class 2, 120-277V, 50/60Hz, 120V: 0.15A, 208V: 0.09A, 240V: 0.08A, 277V 0.07A

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

THD:
14.21% at 120V, 10.51% at 277V

Power Factor:
97.4% at 120V, 95.1% at 277V

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

Compliance

UL Listed:
Suitable for wet locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-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: P0000175N

Performance

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

Wattage Equivalency:
Equivalent to 100W Pulse Start Metal Halide

Construction

IES Classification:
The Type III distribution is ideal for roadway, general parking, and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

Effective Projected Area:
EPA = 0.27

Maximum 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:
Superior thermal management with external "Air-Flow" fins

Finish:
Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

Reflector:
Semi-specular, vacuum-metalized polycarbonate

Gaskets:
High-temperature silicone gaskets

Housing:
Die-cast aluminum housing, lens frame and mounting arm

Mounting:
Heavy-duty 1/2" thread mounting arm with "O" ring seal & stainless steel screws

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

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Technical Specifications (continued)

LED Characteristics

LED:
Multi-chip, high-output, long-life LED

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.

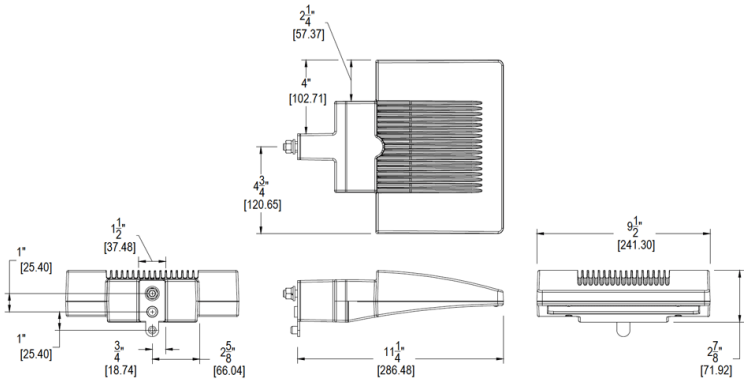
Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:
B1 U0 G0

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Dimensions



Features

- High output LED light engine
- Maintains 70% of initial lumens at 100,000-hours
- Weatherproof high temperature silicone gaskets
- Superior heat sinking with die cast aluminum housing and external fins

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