



| | |
|---------------------|--------------|
| Project: | Type: |
| Prepared By: | Date: |

| Driver Info | | LED Info | |
|-------------|------------------|----------------|-----------------|
| Type | Constant Current | Watts | 78W |
| 120V | N/A | Color Temp | 4000K (Neutral) |
| 208V | N/A | Color Accuracy | 72 CRI |
| 240V | N/A | L70 Lifespan | 100,000 Hours |
| 277V | N/A | Lumens | 9,234 lm |
| Input Watts | 78.3W | Efficacy | 117.9 lm/W |

Technical Specifications

Electrical

Driver:

Constant Current, Class 2, 2000mA, 480V, 50-60Hz, 0.172A, Power Factor 96.5%

THD:

10% at 480V

Power Factor:

95.1% at 480V

Photocell:

480V Swivel photocell included. Photocell is only compatible with 347-480V.

Surge Protection:

4kV

Compliance

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. DLC Product Code: PBE1G3KB

UL Listed:

Suitable for wet locations as a downlight

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 IESNA lm-79 and lm-80

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 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.

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 heat sinking with external Air-Flow fins

Lens:

Tempered glass lens

Housing:

Die-cast aluminum housing, lens frame and mounting arm

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High-temperature silicone gaskets

Bracket EPA:

2.0.

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

LED Characteristics

LEDs:

Six (6) multi-chip, 13W, high-output, long-life LEDs

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Technical Specifications (continued)

Color Stability:

LED color temperature is warranted 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

Patents:

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

Buy American Act Compliance:

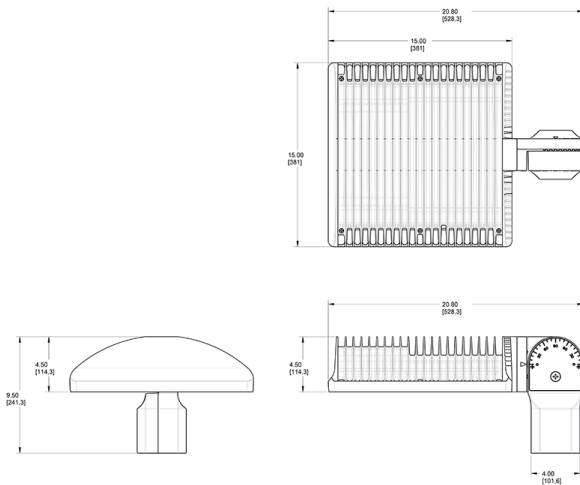
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

B1 U0 G2

Dimensions



Features

- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- 5-Year, No-Compromise Warranty

Ordering Matrix

| Family | Optics | Wattage | Mounting | Color Temp | Finish | Driver Options | Options | Other Options |
|--------|---|--|--|--|--|---|--|--|
| ALED | 3T | 78 | SF | N | W | /480 | /PCS4 | |
| | 4T = Type IV 3T = Type III 2T = Type II | 50 = 50W 78 = 78W 105 = 105W 125 = 125W 150 = 150W | Blank = Pole mount SF = Slipfitter | Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm | Blank = Bronze RG = Roadway Gray W = White K = Black | Blank = 120-277V /480 = 480V /BL = Bi-Level /D10 = 0-10V Dimming /480/D10 = 480V, 0-10V Dimming | Blank = No Option /LC = Lightcloud® Controller /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCT = 120-277V Twistlock Photocell /PCS4 = 480V Swivel Photocell /PCT4 = 480V Twistlock Photocell /WS2 = Multi-Level Motion Sensor 20 ft /WS4 = Multi-Level Motion Sensor 40 ft | Blank = Standard USA = BAA Compliant |