



Color: Bronze

Weight: 33.9 lbs

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

| Driver Info | | LED Info | |
|-------------|------------------|----------------|---------------|
| Type | Constant Current | Watts | 78W |
| 120V | 0.66A | Color Temp | 5000K (Cool) |
| 208V | 0.41A | Color Accuracy | 71 CRI |
| 240V | 0.35A | L70 Lifespan | 100,000 Hours |
| 277V | 0.30A | Lumens | 10,157 lm |
| Input Watts | 77.1W | Efficacy | 131.7 lm/W |

Technical Specifications

Compliance

- UL Listed:**
Suitable for wet locations as a downlight
- 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: P0000170X

- 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:**
Replaces 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:**
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:**
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 C78.377-2017.

Technical Specifications (continued)

Electrical

Driver:

Constant Current, Class 2, 2000mA, 100-277V,
50-60Hz, 1.1A, Power Factor 99%

THD:

5.1% at 120V, 13.2% at 277V

Power Factor:

99.5% at 120V, 93.6% at 277V

Surge Protection:

4kV

Surge Protector:

ALED78 is available with a 6kV surge protector (SP6).
SP6 available [here](#).

Installation

Mounting:

Slipfitter with 180° pivot available for mounting on 2
3/8" tenon

Other

Patents:

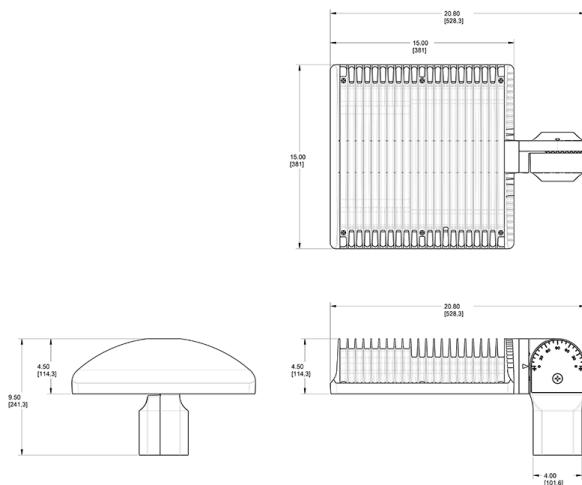
The ALED design is protected by patents in the U.S.
Pat. 668,370, Canada Pat. 144956, China
ZL201230100154.X, and Mexico Pat. 38423. Pending
patents in Taiwan.

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