# ALED4T78SF

**RAB**®

Color: Bronze                    Weight: 33.9 lbs

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

## Driver Info

| Type | Constant Current |
|---|---|
| 120V | 0.66A |
| 208V | 0.41A |
| 240V | 0.35A |
| 277V | 0.30A |
| Input Watts | 77.1W |

## LED Info

| Watts | 78W |
|---|---|
| Color Temp | 5000K (Cool) |
| Color Accuracy | 71 CRI |
| L70 Lifespan | 100,000 Hours |
| Lumens | 10,157 lm |
| 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 IESNAlm-79 andlm-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

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

### 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

# Technical Specifications (continued)

### 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.

## 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.

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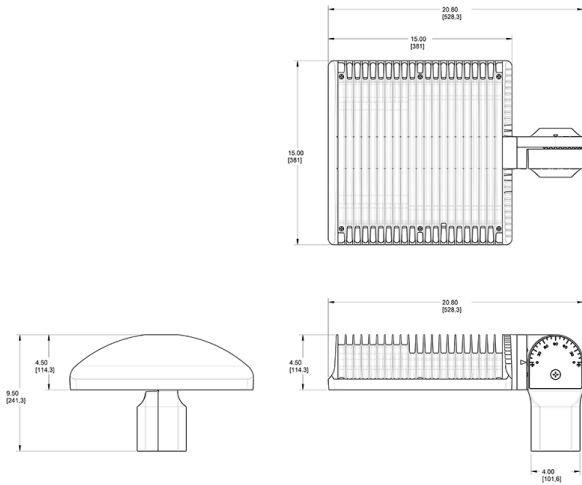
### Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

## Optical

### BUG Rating:
B1 U0 G2

**RAB**®

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

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

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