

# ALED4T78SF USA



Specification grade area lights available in IES Type IV distributions. Suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. Patent pending management system. 5 Year Warranty.

Color: Bronze

Weight: 32.0 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:	77W
Efficiency:	N/A

### LED Info

Watts:	78W
Color Temp:	5100K
Color Accuracy:	71 CRI
L70 Lifespan:	100000
Lumens:	10157
Efficacy:	132 LPW

## Technical Specifications

### Listings

#### UL Listing:

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

#### IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

### LED Characteristics

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

#### 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 warranted to shift no more than 200K in CCT over a 5 year period.

#### Color Uniformity:

RAB's range of CCT (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.

### 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 40°C (104°F) ambient temperatures.

#### Cold Weather Starting:

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.

#### IP Rating:

Ingress Protection rating of IP66 for dust and water

#### Effective Projected Area:

EPA = 2.2

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High temperature silicone gaskets.

#### Finish:

Formulated for high-durability and long lasting color.

#### Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

#### For use on LEED Buildings:

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

### 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

#### Surge Protection:

4kV

#### Surge Protector:

ALED78 is available with a 6kV surge protector (SP6). SP6 available .

## Technical Specifications (continued)

### Other

#### California Title 24:

See ALED4T78/D10, ALED4T78/BL, ALED4T78/PCS, ALED4T78/PCS2, or ALED4T78/PCT for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

#### 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.

#### 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.

### Replacement:

Replaces 250W Metal Halide.

### FTC Country of Origin:

This product was assembled in the USA by RAB using imported components.

### Buy American Act Compliance:

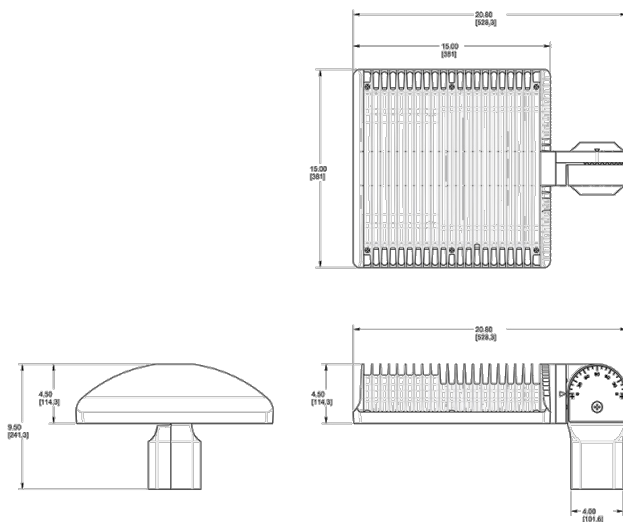
This product complies with the Buy American Act.

### Optical

#### BUG Rating:

B1 U0 G2

## Dimensions



## Features

- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- Type IV distribution
- 5-year warranty

## Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver Options	Photocell Options
ALED	4T	78	SF				
	2T = Type II	50 = 50W	Blank = Pole mount	Blank = 5000K (Cool)	Blank = Bronze	Blank = 120-277V	Blank = No Option
	3T = Type III	78 = 78W	SF = Slipfitter	N = 4000K (Neutral)	RG = Roadway Gray	/480 = 480V (not available for 150W)	/PC = 120V Button Photocell (Pole mount models only) /PC2 = 277V Button Photocell (Pole mount models only)
	4T = Type IV	105 = 105W		Y = 3000K (Warm)	W = White	/BL = Bi-Level /D10 = 0-10V Dimming	/PCT = 120-277V Twistlock Photocell (Pole mount models only) /PCT4 = 480V Twistlock Photocell (Pole mount models only)
		125 = 125W					/PCS = 120V Swivel Photocell
		150 = 150W					/PCS2 = 277V Swivel Photocell /PCS4 = 480V Swivel Photocell
							/WS2 = Multi-Level Motion Sensor 20 ft. (Only available 0- 10V dimming models)
							/WS4 = Multi-Level Motion Sensor 40 ft. (Only available 0- 10V dimming models)