## ALED2T78/PCS

# RAB



Proje	ct:	Туре:		
Prepa	ared By:	Date:		
Driver In	fo	LED Info		
Туре	Constant Current	Watts	78W	
120V	0.66A	Color Temp	5000K (Cool)	
208V N/A		Color Accurac	71 CRI	
240V	N/A	L70 Lifespan	100,000 Hours	
277V	N/A	Lumens	9,552 lm	

## **Technical Specifications**

## Electrical

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

#### THD:

5.0% at 120V, 12.3% at 277V

## Power Factor:

99.5% at 120V, 93.6% at 277V

#### Photocell:

120V Swivel photocell included. Photocell is only compatible with 120V.

#### Surge Protection:

4kV

#### Compliance

#### **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: P0000179P

#### 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 IESNAIm-79 and Im-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 II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

#### 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

Efficacy

122.6 lm/W

#### Lens: Tempered glass lens

#### Housing:

Input Watts 77.9W

Die-cast aluminum housing, lens frame and mounting arm

#### Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

#### **Reflector:**

Specular vacuum-metallized polycarbonate

#### Gaskets:

High-temperature silicone gaskets

#### EPA:

1 Fixture: 0.75 2 Fixtures at 90°: 1.2 2 Fixtures at 180°: 2.4 3 Fixtures at 90°: 2.4 4 Fixtures at 90°: 1.8

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## **Technical Specifications (continued)**

#### 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.

#### 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.

#### 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 <u>rablighting.com/warranty.</u>

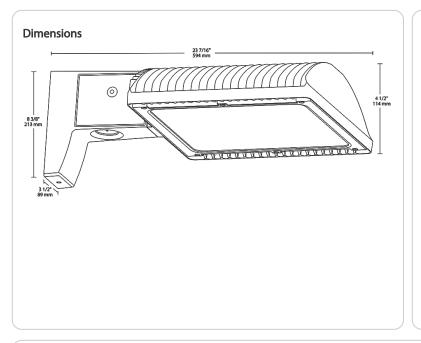
#### **Buy American Act Compliance:**

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

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### 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	<b>Driver Options</b>	Options	Other Options
ALED	2T	78					/PCS	
	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 /PCS = 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