# ALED3T78NK/BL

RAB Outdoor



Project:		Туре:	Туре:		
Prepared	I By:	Date:			
Driver Info		LED Info			
Туре:	Constant Current	Watts:	78W		
Type: 120V:	Constant Current 0.66A	Watts: Color Temp:	4000K (Neutral)		
Туре:	Constant Current	Watts:			
Type: 120V:	Constant Current 0.66A	Watts: Color Temp:	4000K (Neutral)		
Type: 120V: 208V:	Constant Current 0.66A 0.41A	Watts: Color Temp: Color Accuracy:	4000K (Neutral) 72 CRI		
Type: 120V: 208V: 240V:	Constant Current 0.66A 0.41A 0.35A	Watts: Color Temp: Color Accuracy: L70 Lifespan:	4000K (Neutral) 72 CRI 100,000		

Color: Black

Weight: 32.0 lbs

# **Technical Specifications**

## Other

## **Bi-Level Operation:**

Allows 50% and 100% output modes

## 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

#### Equivalency:

Equivalent to 250W Metal Halide

#### **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.

#### Listings

## **UL Listing:**

Suitable for wet locations as a downlight

## IESNA LM-79 & IESNA 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.

#### **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:

3-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 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 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 40°C (104°F)

#### **Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F)

## **Thermal Management:**

Superior heat sinking with external Air-Flow fins

## **Effective Projected Area:**

EPA = 0.75

Lens:

Tempered glass lens

#### Housing:

Die cast aluminum housing, lens frame and mounting arm

#### IP Rating:

Ingress Protection rating of IP66 for dust and water

#### 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

## Finish:

Formulated for high-durability and long lasting color

#### Green Technology:

Mercury and UV-free. RoHS compliant components.

#### Electrical

## Driver:

(2) DriversConstant Current, Class 2, 1050mA, 100-277V, 50/60Hz, 0.6A, Power Factor 99%

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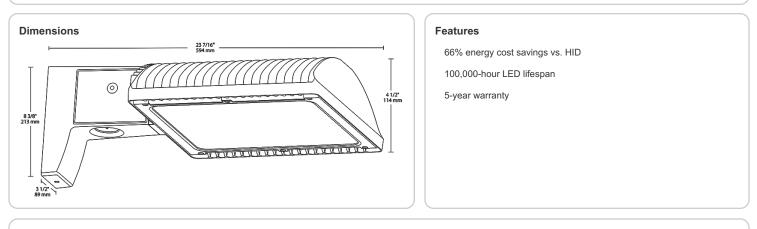
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# **Technical Specifications (continued)**

## Electrical

Surge Protection:

4kV



## **Ordering Matrix**

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver Options	Options	Other Options
ALED	3T	78	٨	Ν	К	/BL	٨	٨
	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	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