## ALED3T78SFK/D10

RAB Outdoor



### **Technical Specifications**

#### Electrical

#### **Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

#### THD:

5.3% at 120V, 13.3% at 277V

#### Driver:

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

#### **Surge Protection:**

4kV

## 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:

Optical BUG Rating: B1 U0 G2

Six (6) multi-chip, 13W, high-output, long-life LEDs

#### **Color Consistency:**

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

**Technical Specifications (continued)** 

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## 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.

#### **IP Rating:**

Ingress Protection rating of IP66 for dust and water

#### **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 = 2.2

Lens:

#### Tempered glass lens

 Project:
 Type:

 Prepared By:
 Date:

 Driver Info
 LED Info

 Type:
 Constant Current
 Watts:
 78W

 120V:
 0.66A
 Color Term:
 5100K (Cool)

Туре:	Constant Current	Watts:	78W
120V:	0.66A	Color Temp:	5100K (Cool)
208V:	0.41A	Color Accuracy:	71 CRI
240V:	0.35A	L70 Lifespan:	100,000
277V:	0.30A	Lumens:	9,263
Input Watts:	77W	Efficacy:	121 LPW
Efficiency:	N/A		

#### Housing:

Die cast aluminum housing, lens frame and mounting arm

#### 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.

## 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.

#### Equivalency:

Equivalent to 250W Metal Halide

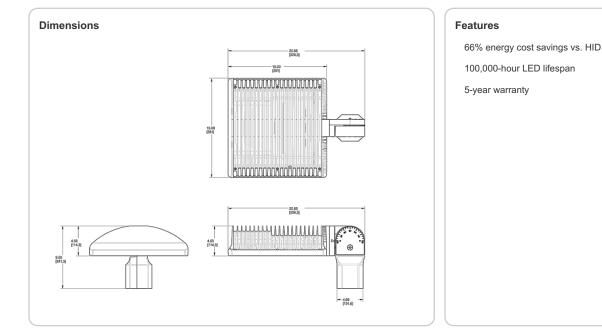
#### **Buy American Act Compliance:**

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.

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

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# ALED3T78SFK/D10



### **Ordering Matrix**

Family	Optics	Wattage	Mounting	Color Temp	Finish	<b>Driver Options</b>	Options	Other Options
ALED	3T	78	SF	٨	К	/D10	٨	۸
	4T = Type IV 3T = Type III 2T = Type II	<b>50</b> = 50W <b>78</b> = 78W <b>105</b> = 105W <b>125</b> = 125W <b>150</b> = 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