



Specification grade area lights available with IES Type III distribution. For use for roadway, general parking and other area lighting applications where a larger pool of lighting is required. Patent pending thermal management system. 5 Year Warranty.

Color: Gray

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: 80W  
 Efficiency: 98%

### LED Info

Watts: 78W  
 Color Temp: 4000K  
 Color Accuracy: 82 CRI  
 L70 Lifespan: 100000  
 Lumens: 5,848  
 Efficacy: 73 LPW

## Technical Specifications

### Electrical

#### Dimming Driver:

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

#### Driver:

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

#### THD:

5.2% at 120V, 13.6% at 277V

#### Surge Protection:

4kV

#### Surge Protector:

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

### Listings

#### UL Listing:

Suitable for wet locations as a downlight.

#### 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.

#### Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

#### 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: P372X35A

### 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 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 C78.377-2011.

### 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 ambient temperatures.

#### Cold Weather Starting:

The minimum starting temperature is -40°C/-40°F

#### Thermal Management:

Superior heat sinking with external Air-Flow fins.

### Effective Projected Area:

EPA = 0.75

### Housing:

Die cast aluminum housing, lens frame and mounting arm.

### IP Rating:

Ingress Protection rating of IP66 for dust and water.

### Reflector:

Specular vacuum-metallized polycarbonate

### Gaskets:

High temperature silicone gaskets.

### Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

### 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.

## Technical Specifications (continued)

### Optical

#### Replacement:

The ALED78 replaces 250W Metal Halide Area Lights.

#### BUG Rating:

B1 U0 G2

### Other

#### California Title 24:

ALED3T78/D10 with the 0-10V driver option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 75 Watts mounted up to 24 feet when used with the RAB Stealth Dimmer. Use STLDIM10 to order a Stealth Dimmer module. Mounting heights greater than 24 feet require only a photocell. See ALED3T78/PCS, ALED3T78/PCS2 or ALED3T78/PCT for photocell versions.

#### 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.

#### Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

#### Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

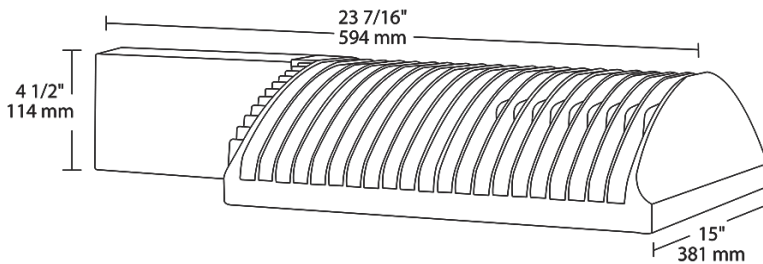
#### Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

### Dimensions



### Features

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

### Ordering Matrix

Family	Distribution	Watts	Mount	Color Temp	Finish	Voltage	Photocell	Dimming	Bi-Level
ALED									
	2T = Type II	360 = 360W	Blank = Arm	Blank = 5000K (Cool)	Blank = Bronze	Blank = 120-277V	Blank = No Photocell	Blank = No Dimming	Blank = No Bi-Level
	3T = Type III	360W	SF = Slipfitter	Y = 3000K (Warm)	W = White	/480 = 480V (Only 360W & 260W)	/PC = 120V Button	/D10 = Dimmable	/BL = Bi-Level
	4T = Type IV	260 = 260W		N = 4000K (Neutral)	RG = Gray		/PC2 = 277V Button		
		150 = 150W					/PCS = 120V Swivel		
		125 = 125W					/PCS2 = 277V Swivel		
		105 = 105W					/PCT = 120-277V Twistlock		
		78 = 78W					/PCS4 = 480V Swivel		
							/PCT4 = 480V Twistlock		