ALED4T78RG/480/PCS4



Project:		Type: Date:		
Prepared	Ву:			
Driver Info		LED Info		
Гуре:	Constant Current	Watts:	78W	
20V:	N/A	Color Temp:	5100K (Cool)	
208V:	N/A	Color Accuracy:	67 CRI	
240V:	N/A	L70 Lifespan:	100,000	
277V:	N/A	Lumens:	7,443	
nput Watts:	79W	Efficacy:	94 LPW	
	98%			

Technical Specifications

Other

ALED4T78 with Photocell:

480V Swivel Photocell Included. Photocell is only compatible with 347-480V.

California Title 24:

ALED4T78/480/PCS4 with the swivel photocell (480V) option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor polemounted fixture > 75 Watts at mounting heights greater than 24 feet.

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.

Technical Specifications (continued)

For use on LEED Buildings:

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

LED Characteristics

I FDs:

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

Color Consistency:

fixture-to-fixture color.

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.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from **DLC** Member Utilities.

Dark Sky Approved:

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

Optical

Lumen Maintenance:

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

Replacement:

The ALED78 replaces 250W Metal Halide Area Lights.

BUG Rating:

B1 U0 G2

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°.

Effective Projected Area:

FPA = 0.75

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

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

Thermal Management:

Superior heat sinking with external Air-Flow fins.

Housing:

Die cast aluminum housing, lens frame and mounting arm.

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.

Construction

7-step MacAdam Ellipse binning to achieve consistent

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 C78.377-2008.

Electrical

Driver:

Constant Current, Class 2, 2000mA, 480V, 50-60Hz, 0.172A. Power Factor 96.4%

THD:

9.9% at 480V

Surge Protection:

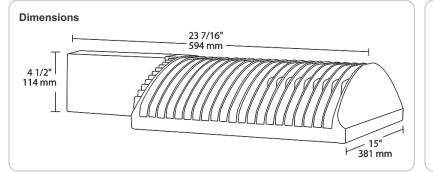
4kV

Surge Protector:

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



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Features

High output LED light engine

Maintains 70% of initial lumens at 100,000 hours

Weatherproof high temperature silicone gaskets

Superior heat sinking with die cast aluminum housing and external fins

Replaces 250W MH area lights

5-year warranty

Ordering Matrix						
Family	Distribution	Watts	Mount			
ALED						

	Family	Distribution	Watts	Mount	Color Temp	Finish	Voltage	Photocell	Dimming	Bi-Level
	ALED									
		2T = Type II	78 = 78W	= Arm	= Cool	= Bronze	= 120-277V	= No Photocell	= No Dimming	= No Bi-Level
		3T = Type III		SF = Slipfitter	Y = Warm	W = White	/480 = 480∨	/PC = 120V Button	/D10 = Dimmable	/BL = Bi-Level
		4T = Type IV			N = Neutral	RG = Gray		/PC2 = 277V Button		
								/PCS = 120V Swivel		
								/PCS2 = 277V Swivel		
								/PCT = 120-277V Twistlock		
								/PCS4 = 480V Swivel		
L										