# ALED2T105YW/480





Specification grade area lights available with IES Type II distribution. For use in parking lots, roadways, pathways and general area lighting. Patent pending thermal management system. 5 Year Warranty.

Color: White

Weight: 32.0 lbs

Project:		Type: Date:			
Prepared	By:				
Driver Info		LED Info			
Туре:	Constant Current	Watts:	105W		
120V:	N/A	Color Temp:	3000K		
208V:	N/A	Color Accuracy:	82 CRI		
240V:	N/A	L70 Lifespan:	100000		
277V:	N/A	Lumens:	8,299		
Input Watts:	109W	Efficacy:	76 LPW		



#### Listings

#### **UL Listing:**

Suitable for wet locations

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaries have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have been 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.

## **LED Characteristics**

#### Lifespan:

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

#### I FDs:

Multi-chip, high-output, long-life LEDs

#### **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 C78.377-2011.

#### 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.

**Effective Projected Area:** 

EPA = 0.75

#### Technical Specifications (continued)

#### Other

#### **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.

#### **Maximum Ambient Temperature:**

Suitable for use in 40°C (104°F) ambient temperatures

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

**Thermal Management:** 

fins

arm.

Housing:

Mounting:

**Reflector:** 

Gaskets:

IP Rating:

Finish:

stainless steel screws

Superior thermal management with external Air-Flow

Die-cast aluminum housing, lens frame and mounting

Heavy-duty mounting arm with "O" ring seal &

Specular vacuum-metallized polycarbonate

Ingress Protection rating of IP66 for dust and water.

are formulated for high-durability and long-lasting

color, and contains no VOC or toxic heavy metals.

Our environmentally friendly polyester powder coatings

High-temperature silicone gaskets

#### use of VOC or toxic heavy metals. The minimum starting temperature is -40°C/-40°F For use on LEED Buildings:

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

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the

#### Other

#### Drivesr:

Two Drivers, Constant Current, Class 2, 1400mA, 347-480V, 50/60Hz, 0.25A, Power Factor 99%

#### California Title 24:

Green Technology:

See ALED2T105/BL, ALED2T105/PCS, ALED2T105/PCS2, or ALED2T105/PCT for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

#### 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.

#### 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)

Electrical

### **Ballast Volts:** 480V **Surge Protection:** 4kV

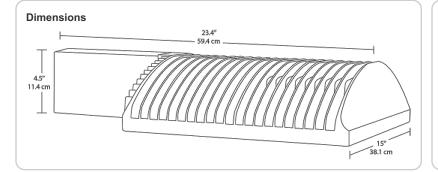
#### Optical

**BUG Rating:** B1 U0 G2



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#### Features

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

#### **Ordering Matrix**

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