

# ALED3T105W/D10/WS2



Specification grade area lights with multi-level motion sensor available in 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: White

Weight: 32.0 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

## Driver Info

Type:	Constant Current
120V:	0.89A
208V:	0.58A
240V:	0.50A
277V:	0.44A
Input Watts:	107W
Efficiency:	98%

## LED Info

Watts:	105W
Color Temp:	5000K
Color Accuracy:	65 CRI
L70 Lifespan:	100000
Lumens:	9,112
Efficacy:	85 LPW

## Technical Specifications

### Listings

#### UL Listing:

Suitable for wet locations.

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

RAB LED luminaires 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.

#### LEDs:

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

#### 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.

#### Effective Projected Area:

EPA = 0.75

#### Maximum Ambient Temperature:

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

#### Cold Weather Starting:

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

#### Thermal Management:

Superior thermal management with external Air-Flow fins.

#### Housing:

Die-cast aluminum housing, lens frame and mounting arm.

#### Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screws

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High-temperature silicone gaskets

#### IP Rating:

Ingress Protection rating of IP66 for dust and water.

#### 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.

### Electrical

#### Drivers:

Two Drivers, Constant Current, Class 2, 1400mA, 100-277V, 50/60Hz, 0.8A, Power Factor 99%

#### THD:

7.9% at 120V, 16.2% at 277V

#### Surge Protection:

4kV

#### Dimming Driver:

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

### Other

#### California Title 24:

See ALED3T105/BL, ALED3T105/PCS, ALED3T105/PCS2, or ALED3T105/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.

## Technical Specifications (continued)

### Other

#### 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.

### Optical

#### BUG Rating:

B1 U0 G2

### Sensor Specifications

#### Operating Voltage:

120V or 277V

#### Power Consumption:

1W

#### 0-10V Sinking Current:

50mA

#### Adjustable High and Low Modes:

High: 0-10V; Low: off, 0-9.8V

#### Adjustable Time Delay:

Amount of time in high mode with no motion before switching to low mode: 5 min., 1 -30 min.

#### Adjustable Cut Off Delay:

Time in which the fixture will remain on low mode with no motion before turning off and waiting for new motion to turn on: None, 1 -60 min., 1 -5 hrs.

#### Adjustable Sensitivity:

None, low, medium, maximum

#### Adjustable Setpoint:

None, 1 to 250 fc, auto

#### Adjustable Ramp Up and Fade Down Times:

1 to 60 sec.

#### Operating Temperature:

-40°F/-40°C. to 167°F (-40°C to +75°C)

#### Operating Humidity:

20% to 90% noncondensing

#### Relay Life Rating:

200,000 cycles (120/277VAC), 50,000 cycles (230VAC)

#### IP Rating:

Ingress Protection rating of IP66 for dust and water.

#### UL Listing:

Suitable for Wet Locations as factory installed.

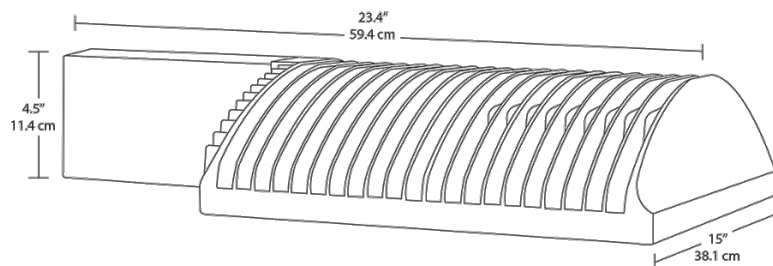
#### Handheld Wireless Configuration Tool:

Adjust settings using handheld wireless configuration tool. Only available with 0-10V dimming driver options.

#### Multi Level Motion Sensor:

40 ft. diameter coverage from 20 ft. height.

### Dimensions



### Features

- Includes integrated motion sensor/photocell for multi-level control
- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- Type III distribution
- 5-year warranty

### Ordering Matrix

Family	Distribution	Watts	Color Temp	Finish	Dimming	Sensor
ALED						
	2T = Type II	360 =	Blank = 5000K	Blank =	Blank = No	/WS2 = Multi-Level Motion Sensor - only available for 120-277V with /D10 for 105W
	3T = Type III	360W	(Cool)	Bronze	Dimming	
	4T = Type IV	260 =	Y = 3000K	W = White	/D10 = Dimmable	/WS4 = Multi-Level Motion Sensor - only available for 120-277V with /D10 for 260W, 125W & 150W
		260W	(Warm)	RG = Gray		
		150 =	N = 4000K			/WS10 = Multi-Level Motion Sensor - only available for 120-277V with /D10 for 360W
		150W	(Neutral)			
		125 =				
		125W				
		105 =				
		105W				
		78 = 78W				