



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:	0.66A
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

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.

Electrical

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 .

Dimming Driver:

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

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.

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.

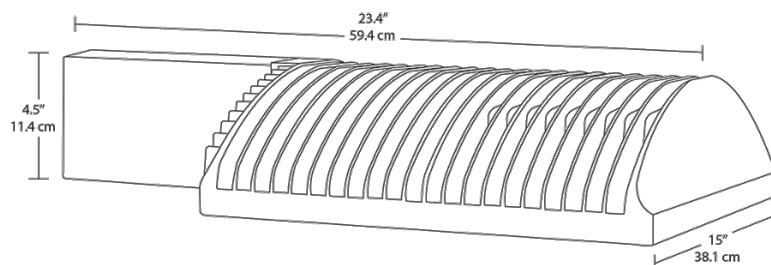
Handheld Wireless Configuration Tool:

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
	3T = Type III	360W	(Cool)	Bronze	Dimming	105W
	4T = Type IV	260 =	Y = 3000K	W = White	/D10 = Dimmable	/WS4 = Multi-Level Motion Sensor - only available for 120-277V with /D10 for
		260W	(Warm)	RG = Gray		260W, 125W & 150W
		150 =	N = 4000K			/WS10 = Multi-Level Motion Sensor - only available for 120-277V with /D10 for
		150W	(Neutral)			360W
		125 =				
		125W				
		105 =				
		105W				
		78 = 78W				