



Specification grade area lights available in IES Type III distributions. For use for roadway, general parking and other area lighting applications where a larger pool of lighting is required. Best-in-class 5-G vibration rating. 5 Year Warranty.

Color: White

Weight: 20.9 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type:	Constant Current	Watts:	160W
120V:	1.35A	Color Temp:	3000K
208V:	0.83A	Color Accuracy:	73 CRI
240V:	0.72A	L70 Lifespan:	100000
277V:	0.61A	Lumens:	16,807
Input Watts:	159W	Efficacy:	105 LPW
Efficiency:	N/A		

Technical Specifications

Listings

UL Listing:

Suitable for wet locations.

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:

Conforms to the requirements listed by the International Dark-Sky Association for "Dark Sky" approval. The Fixture Seal of Approval provides objective, third-party certification for luminaires that minimize glare, reduce light trespass, and don't pollute the night sky.

Electrical

Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz, 120V: 1.35A, 208V: 0.83A, 240V: 0.72A, 277V: 0.61A

THD:

7.8% at 120, 14.3% at 277V

Power Factor:

99.5% at 120V, 93.5% at 277V

Surge Protection:

L-N 4kV; L-L, L-GND 6kV

Dimming Driver:

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

Optical

Lifespan:

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

Construction

IES Classification:

The Type III distribution is meant to be located near the side of an area, projecting the light outward to fill the area. Ideal for roadways, general parking areas, lighting applications and where a large pool of light is required.

Effective Projected Area:

EPA = 0.8

Vibration Rating:

Industry-leading 5G vibration rating per ANSI C136.31.

Cold Weather Starting:

Minimum starting temperature is -40° F (-40° C)

Ambient Temperature:

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

Housing:

Precision die-cast aluminum housing.

Mounting:

Mounts to RAB square poles. Mounts to all square and round poles if optional Universal Pole Adaptor is used.

Lens:

Clear acrylic lens with integrated optics

IP Rating:

Ingress Protection rating of IP66 for dust and water

Gaskets:

High temperature silicone gaskets.

Finish:

Formulated for high-durability and long lasting color.

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.

LED Characteristics

LEDs:

Long-life, high-efficiency surface mounting 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 C78.377-2015.

Other

5 Yr Limited Warranty:

Fixture operation and paint finish are covered for a period of 5 years.

Technical Specifications (continued)

Other

Replacement:

Replaces up to 400W Metal Halide.

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).

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

Time Delay:

30 seconds, 1-30 minutes

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 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

- Lightweight design and low EPA minimize pole load
- Best-in-class 5-G vibration rating
- 100,000-hour LED lifespan
- 5-year warranty

Ordering Matrix

Family	IES Type	Wattage	Color Temp	Finish	Driver Options	Mounting	Sensor Options	Accessories
LOT	3T	160	Y	W	/D10		/WS2	
	3T = Type III	160 = 160W 110 = 110W 65 = 65W	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze W = White	/D10 = 120-277V, 0-10V Dimming (standard) /480/D10 = 480V, 0-10V Dimming	Blank = Mounts to RAB square poles /UPA = Universal Pole Adaptor	Blank = None /PCT = 120-277V Twistlock PC /PCT4 = 480V Twistlock PC /WS2 = Wattstopper Sensor + 20ft lens, 120-277V /WS4 = Wattstopper Sensor + 40ft lens, 120-277V /5PR = 5-Pin Receptacle, no PCT /7PR = 7-Pin Receptacle, no PCT /BL = Bi-Level Dimming, 120-277V	Blank = None /HS = 2 House-Side-Shields