



LED High Bay fixture ideal for large indoor spaces, including warehouses, gymnasiums and distribution centers that require mounting heights from 15 to 50 feet. An integrated motion/photo sensor option provides multi-level lighting control. Available in 95, 150, 185 and 225 Watt versions with equivalencies from 200 to 400 Watt metal halide fixtures.

Color: White

Weight: 20.7 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
120V: 1.30A
208V: 0.75A
240V: 0.65A
277V: 0.56A
Input Watts: 153W
Efficiency: 98%

LED Info

Watts: 150W
Color Temp: 5000K (Cool)
Color Accuracy: 75 CRI
L70 Lifespan: 100,000
Lumens: 18,144
Efficacy: 119 LPW

Technical Specifications

Listings

UL Listing:

Suitable for damp 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 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.

DLC Product Code: PD5ZNY1S

LED Characteristics

Lifespan:

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

LEDs:

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

Electrical

Drivers:

Two Drivers, Class 2, Constant Current, 100-277VAC, 50-60Hz, 4kV, 0.9A

THD:

5.2% at 120V, 10.6% at 277V

Power Factor:

99.6% at 120V, 94.1% at 277V

Construction

Ambient Temperature:

Suitable for use 12 hours a day, 5 days a week in 50°C. Suitable for 24/7 use in ambient temperatures up to 30°C. For questions related to fixture operation in high ambient temperatures, contact RAB tech support at 888-722-1000.

Housing:

Extruded aluminum

Lens:

High-transmittance polystyrene

Reflector:

Specular, high-reflectance aluminum with 95% reflectivity

Mounting:

3/4" NPS for pendant mount (pendant by others) or direct surface knockout on junction box for mounting to ceiling. Mounting hardware (not provided) should be suitable to mounting surface.

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, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Recommended Mounting Height:

Up to 30 ft.

Other

Equivalency:

RAIL High Bay 150W LED is equivalent to 400W metal halide fixture at 35' mounting height, typical storage warehouse environment.

LED RAIL High Bay with Dimmable Driver:

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

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).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

Technical Specifications (continued)

Other

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

California Title 24:

RAIL models with integrated multi-level motion sensor (/WS2 or /WS4) comply with 2013 California Title 24 building and electrical codes as commercial indoor fixtures for corridors, stairwells, warehouses and covered parking garages.

Sensor Specifications

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.

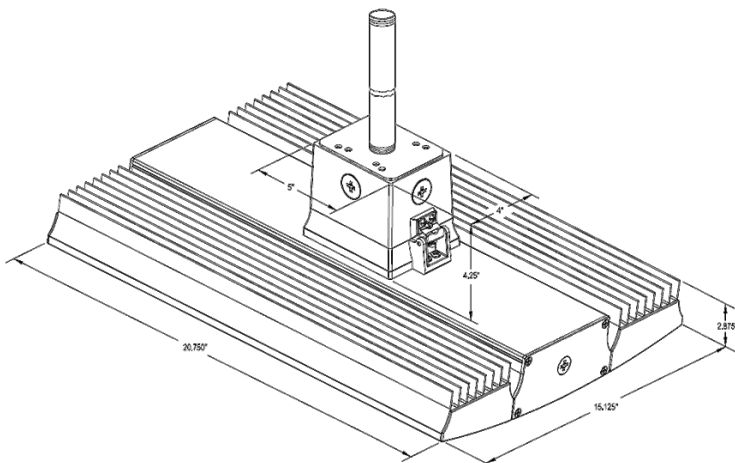
Handheld Wireless Configuration Tool:

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

- Ideal for large spaces
- Ultra-high efficacy
- Up to 60% less energy usage than equivalent metal halide fixtures
- 100,000 hour lifespan, virtually maintenance free operation
- Integrated motion/photo sensor for multilevel lighting control

Ordering Matrix

Family	Mount	Watts	Color Temp	Finish	Voltage	Dimming	Sensor
RAIL							
	= V Hooks	95 =	= 5000K (Cool)	W =	= 120-	= No	/WS2 = Multi-Level Motion Sensor (Only available for 120-277V with /D10 for 95W & 150W)
	P = Pendant or	95W	YN = 3500K (Warm	White	277V	Dimming	
	Surface	150 =	Neutral)		/480 =	/D10 =	/WS4 = Multi-Level Motion Sensor (Only available for 120-277V with /D10 for 185W & 225W)
		150W	N = 4000K (Neutral)		480V	Dimmable	
		185 =					
		185W					
		225 =					
		225W					