RAIL185YNW/D10/WS4

RAB | Indoor

Project:	Type:
Prepared By:	Date:

Driver Info

Type:	Constant Current
120V:	1.37A
208V:	0.81A
240V:	0.71A
277V:	0.60A
Input Watts:	162W
Efficiency:	N/A

LED Info

Watts:	185W
Color Temp:	3500K (Warm Neutral)
Color Accuracy:	83 CRI
L70 Lifespan:	100,000
Lumens:	20206
Efficacy:	125 LPW

LED High Bay fixture ideal for large indoor spaces, including warehouses, gymnasiums and distribution centers with high ceiling that require mounting heights of 50-60 feet. Replaces up to 1000W MH fixtures.

Color: White   Weight: 17.6 lbs

Technical Specifications

Listings

UL Listing:

Suitable for damp locations

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: P3NVJAC1

LED Characteristics

Lifespan:

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

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 C78.377-2017.

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60Hz, 120V: 1.37A, 208V: 0.81A, 240V: 0.71A, 277V 0.60A

Dimming Driver:

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

THD:

5.2% at 120V, 7.3% at 277V

Optical

Power Factor:

99.8% at 120V, 96.6% at 277V

Construction

Ambient Temperature:

Suitable for use 12 hours a day, 6 days a week in 60°C (140°F). Suitable for 24/7 use in ambient temperatures up to 50°C (122°F).

Housing:

Extruded aluminum

Lens:

High-transmittance polystyrene

Reflector:

Specular, high-reflectance aluminum with 95% reflectivity

Mounting:

V hooks (chain by others)

Finish:

Formulated for high-durability and long lasting color

Green Technology:

Mercury and UV-free. RoHS compliant components.

Recommended Mounting Height:

Up to 40 ft

Other

Replacement:

Replaces 250-400W MH

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. RAB's warranty is subject to all terms and conditions found at

Sensor Specifications

Operating Voltage:

120-277V

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 Sensitivy:

None, low, medium, maximum

Technical Specifications (continued)

Sensor Specifications

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:

*60 ft. diameter coverage from 40 ft. height.

Features

Ideal for large spaces

100,000 hour lifespan - virtually maintenance free operation

0-10V driver for variable dimming down to 10%

Low-glare design with semi-diffuse lens

Ordering Matrix

Family	Wattage	Color Temp	Finish	Driver Options	Control Options	Other Options
RAIL	185	YN	W	/D10	/WS4	^
	95 = 95W	**Blank** = 5000K (Cool)	**W** = White	**/D10** = 120-277V, 0-10V Dim	**Blank** = No Option	**Blank** = Standard
	150 = 150W	**N** = 4000K (Neutral)		**/480/D10** = 480V, 0-10V Dim	**/BL** = Bi-Level Control	**USA** = BAA Compliant
	185 = 185W	**YN** = 3500K (Warm Neutral)			**/WS2** = Multi-Level Motion Sensor 20 ft.	
	225 = 225W				**/WS4** = Multi-Level Motion Sensor 40 ft.	
	400 = 400W				**/LOS** = LOSBAY 800 Sensor	
					/LC = Lightcloud® Controller	
					/LCS = Lightcloud® Sensor	
					/E2 = Emergency Battery Pack	

Need help? Tech help line: **(888) RAB-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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