RAIL225YNW/D10/LOS

RAB LIGHTING

Project:	Type:
Prepared By:	**Date:**

Driver Info

Type:	Constant Current
120V:	1.68A
208V:	1.02A
240V:	0.88A
277V:	0.74A
Input Watts:	202W
Efficiency:	N/A

LED Info

Watts:	225W
Color Temp:	3500K
Color Accuracy:	83 CRI
L70 Lifespan:	100000
Lumens:	24590
Efficacy:	122 LPW

LED High Bay fixture ideal for large indoor spaces, including warehouses, gymnasiums and distribution centers that require mounting heights from 40 feet.

Color: White   Weight: 20.7 lbs

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.

LED Characteristics

Lifespan:

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

LEDs:

Long-life, high-efficiency surface mounting 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

Driver:

Constant Current, Class 2, 120-277V, 50/60Hz, 120V: 1.68A, 208V: 1.02A, 240V: 0.88A, 277V 0.74A

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:

2.5% at 120V, 6.7% at 277V

Power Factor:

99.9% at 120V, 95.5% at 277V

Construction

Ambient Temperature:

Suitable for use 12 hours a day, 6 days a week in 55°C (131°F). Suitable for 24/7 use in ambient temperatures up to 40°C (104°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. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Recommended Mounting Height:

Optimal detection performance rated for up to 40 ft.

Other

Replacement:

Replaces 350-400W 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.

California Title 24:

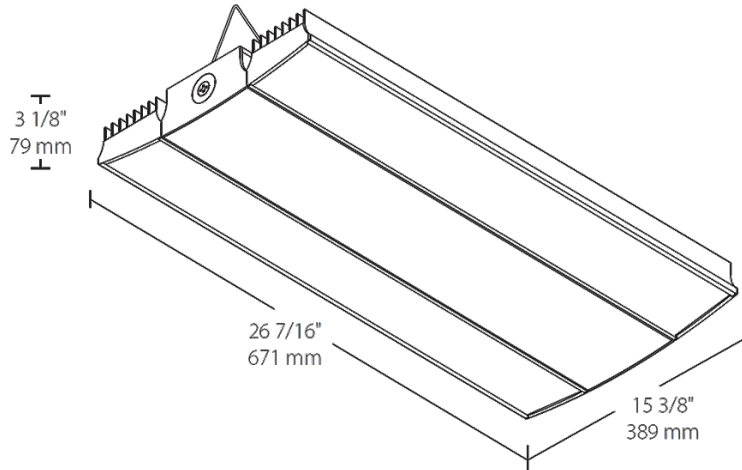See RAIL with Multi-Level sensor (/WS2 or /WS4) for a compliant California Title 24.

LOSBAY800 Sensor:

360° White Lens (Installed) - 60 ft. diameter when mounted at 40 ft., Aisle Black Lens (included as option) - 60 ft. x 20 ft. wide.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

RAB LIGHTING

Dimensions

3 1/8"
79 mm

26 7/16"
671 mm

15 3/8"
389 mm

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

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

Ordering Matrix

Family	Wattage	Color Temp	Finish	Voltage	Dimming	Control Options
RAIL	225	YN	W		/D10	/LOS

	225 = 225W	**Blank** = 5000K (Cool)	**W** = White	**Blank** = 120-277V	**/D10** = 0-10V Dimming	**Blank** = No Controls
	185 = 185W	**N** = 4000K (Neutral)		**/480** = 480V		**/BL** = Bi-Level Control (120-277V only)
	150 = 150W	**YN** = 3500K (Warm Neutral)				**/WS2** = Multi-Level Motion Sensor 20 ft
	95 = 95W					**/WS4** = Multi-Level Motion Sensor 40 ft
						/LOS = LOSBAY800 Sensor (120-277V only)
						/E2 = Emergency Battery Backup (120-277V only)
						/LC = Lightcloud® Controller (120-277V only)
						/LCS = Lightcloud® High Bay Sensor (120-277V only)