

RAIL Linear High Bay



RAIL 90W



RAIL 150W



RAIL 175W



RAIL 225W



RAIL 400W



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____

Ultra-high efficacy, eco-friendly, linear high bay



0-10V



100,000 HOURS



EASY INSTALL



DAMP RATED



KEY FEATURES

- Premium performance, new eco-friendly design
- Available in five wattages: 90W, 150W, 175W, 225W and 400W
- Available CCT: 5000K and 4000K
- Voltage rating: 120-277V and 480V
- V hook for chain mounting is standard
- Pendant mount kit RAILP-90W available for 90W fixtures and RAILP for the rest
- 5-Year, No-Compromise Warranty

PERFORMANCE

RAIL	5000K	4000K	5000K	4000K	5000K	4000K	5000K	4000K	5000K	4000K
WATTAGE	90W		150W		175W		225W		400W	
INPUT WATTS	90.2W	89.0W	138.8W	137W	178.9W	176.6W	243W	243.2W	385W	386.8W
LUMENS	12,737	12,185	20,154	19,281	25,527	24,421	34,847	35,201	54,007	52,894
EFFICACY (LM/W)	141.2	136.9	145.2	140.7	142.7	138.3	143.4	144.8	140.3	136.7
CRI	83	84	83	82	83	82	83	83	83	82
VOLTAGE RATINGS	120-277V									

RAIL	5000K	4000K	5000K	4000K	5000K	4000K	5000K	4000K	5000K	4000K
WATTAGE	90W		150W		175W		225W		400W	
INPUT WATTS	87W	86.6W	137.9W	138W	177.4W	176.5W	242.3W	241.1W	389W	389.8W
LUMENS	12,677	12,255	20,189	19,589	26,859	25,965	35,983	34,785	57,147	56,798
EFFICACY (LM/W)	145.7	141.5	146.4	141.9	151.4	147.1	148.5	144.3	146.9	145.7
CRI	83	84	82	82	83	83	83	82	82	83
VOLTAGE RATINGS	480V									

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

Suitable for damp locations

DLC Listed

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

TECHNICAL SPECIFICATIONS (CONTINUED)

CONSTRUCTION

Cold Weather Starting

The minimum starting temperature is -20°C (-4°F)

Cold Weather Starting for battery Backup

The minimum starting temperature is -0°C (32°F)

Maximum Ambient Temperature

Suitable for use in up to 45°C (113°F)

Maximum Ambient Temperature for battery Backup

Suitable for use in up to 50°C (122°F)

Mounting

V hooks and optional pendant mounting (pendant by others)

Housing

Extruded aluminum

Lens

Polycarbonate Lens

Reflector

Polyethylene Terephthalate (PET)

Green Technology

Mercury and UV free. RoHS-compliant components.

Finish

Formulated for high durability and long lasting color

LED CHARACTERISTICS

LEDs

Long-life, high-efficacy, discrete, surface-mount LEDs

Color Uniformity

RAB's range of 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.

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 color temperature over a 5-year period

ELECTRICAL

Drivers:

Constant Current, Class 2, 120-277V, 50/60 Hz,

90W: 120V: 0.80A, 208V: 0.46A, 240V: 0.40A, 277V: 0.35A

150W: 120V: 1.14A, 208V: 0.66A, 240V: 0.57A, 277V: 0.50A

175W: 120V: 1.45A, 208V: 0.84A, 240V: 0.72A, 277V: 0.63A

225W: 120V: 1.71A, 208V: 1.00A, 240V: 0.86A, 277V: 0.74A

400W: 120V: 3.42A, 208V: 1.98A, 240V: 1.71A, 277V: 1.48A

ELECTRICAL (CONTINUED)

Constant Current, Class 2, 480V, 50/60 Hz,

90W: 480V: 0.19A

150W: 480V: 0.30A

175W: 480V: 0.40A

225W: 480V: 0.53A

400W: 480V: 0.87A

Dimming Driver:

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

THD:

90W : 1.63% at 120V, 5.61% at 277V

150W : 3.01% at 120V, 7.86% at 277V

175W : 2.05% at 120V, 8.21% at 277V

225W : 1.73% at 120V, 5.83% at 277V

400W : 2.09% at 120V, 9.18% at 277V

Power Factor:

90W : 99.90% at 120V, 97.00% at 277V

150W : 99.00% at 120V, 95.10% at 277V

175W : 99.80% at 120V, 95.90% at 277V

225W : 99.90% at 120V, 96.10% at 277V

400W : 99.90% at 120V, 96.20% at 277V

Surge Protection

6kV

Battery Backup Option:

Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

Battery Backup Light Loss Factor:

90W 0.323

150W 0.195

175W 0.156

225W 0.116

400W 0.073

OTHER

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 rablighting.com/warranty.

Lifespan

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

ACCESSORY

Image	SKU#	UPC	Description
	MVSREM	019813490991	REMOTE FOR MICROWAVE SENSOR FOR TROFFER

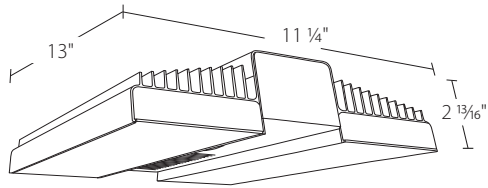
RAIL Linear High Bay



DIMENSIONS

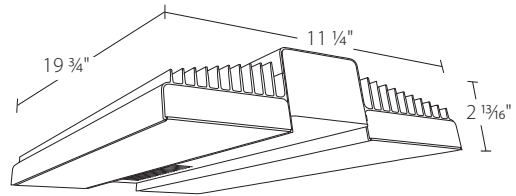
RAIL 90W

Weight: 7.1 lbs



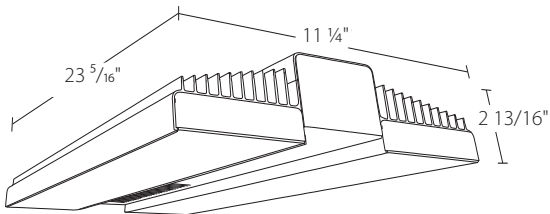
RAIL 150W

Weight: 10.1 lbs



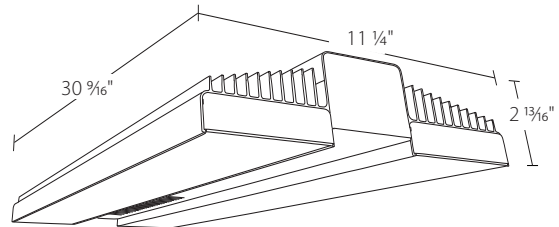
RAIL 175W

Weight: 11.5 lbs



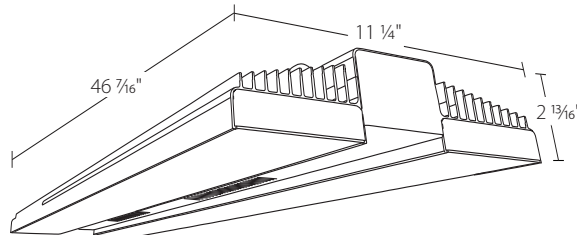
RAIL 225W

Weight: 14.7 lbs



RAIL 400W

Weight: 22.5 lbs



ORDERING MATRIX

RAIL

Family	Wattage/Length	Color Temp	Voltage	Options
RAIL				
90	90W - 13"	BLANK 5000K	120-277V, 0-10V Dimming	BLANK No Options
150	150W - 20"	N 4000K	/480, 0-10V Dimming	/LC Lightcloud Controller, 120-480V
175	175W - 23"			/LCS Lightcloud Sensor 40 Ft, 120-277V
225	225W - 31"			/PIR Passive Infrared Occupancy Sensor, 120-277V
400	400W - 46"			/MVS Microwave Occupancy Sensor, 120-277V
				/E Battery Backup, 120-277V
				/LC/E Lightcloud Controller w/ Battery Backup, 120-277V *
				/LCS/E Lightcloud Sensor 40 Ft w/ Battery Backup, 120-277V *
				/PIR/E Passive Infrared Occupancy Sensor w/ Battery Backup, 120-277V
				/MVS/E Microwave Occupancy Sensor w/ Battery Backup, 120-277V

* Available in 150W, 175W, 225W and 400W only