

320 Watt Full-Body LED High Bay

The LEDFHB320 is a full-body, premium-performance LED high bay luminaire. It is designed to illuminate a wide variety of settings, including commercial, industrial & retail settings such as warehouses, manufacturing facilities, sporting venues and big-box retailers. With a powder coat painted, code gage steel housing, the LEDFHB320 provides high levels of durability and performance. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional HID high bay fixtures.

Prefix: LEDFHB320



project:

fixture type:

catalog #:

quantity:

ORDERING GUIDE

EXAMPLE: LEDFHB320-4K-MVDIM

LEDFHB320	-	-	MVDIM	
MODEL			DRIVER	OPTIONS (ORDER SEPARATELY)
LEDFHB320 - 320 Watt Full-Body LED High Bay			MVDIM - Multi-Voltage Dimming Driver (120v-277v)	<ul style="list-style-type: none"> LEDFHB425-CRLENS - Clear lens LEDFHB425-DIFLENS - Diffuse lens LEDFHB425-WG - Wire-guard kit LEDFHB-SMK6 - Surface-mount kit, 6 LED modules LEDFHB-PMK - Pendant-mount kit LEDFHB-CMK3 - Cable-mounting kit, 9' long LEDFHB-CMK5 - Cable-mounting kit, 15' long YM2501A - P.I.R. Occupancy Sensor
		COLOR TEMPERATURE		
		<ul style="list-style-type: none"> 3K - 3000k* 35K - 3500k* 4K - 4000k 5K - 5000k <p>* Indicates special order</p>		

FEATURES

- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 113,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- Delivers 44,298 lumens (138 lumens per watt, LPW) at 4000k, and 44,940 lumens (140 LPW) at 5000k.*
- Universal 120-277 AC voltage (50-60Hz) is standard. Step-down transformers are required for 347-480v applications.
- 0-10vdc dimming drivers are standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.

- Powder coat painted steel housing.
- Easy installation in new construction or retrofit.
- Chain-mount kits (includes v-hooks and 1/8" thick, 36" long chain) are standard.
- Options include lenses (clear & diffused), wire-guard kits, surface-mounting kits, pendant-mounting kits, and cable-mounting kits.

WARRANTY & LISTINGS

- cULus listed for damp locations in ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- DLC premium approved (refer to Page 3 of this cut sheet). Always check the DLC-QPL for latest information.

- Complies with FCC Part 15, class A.
- Complies with IEEE C.62.41-1991, input transient protection (2.5kV).
- 5-year warranty of all electronics and housing.

MOUNTING OPTIONS

- Chain mounting with V-hooks is standard.
- Optional surface mounting kit provides attachment to flat ceilings.
- Optional pendant mounting kit provides pendant attachment to junction boxes.
- Optional cable mounting kits provide suspension at two lengths (i.e., 9' & 15').

* Contact factory for other color temperatures and lumen packages

** L_{70} hours are IES TM-21-11 calculated hours.

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Electrical Data

Model	Color Temp.	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens/Watt	Input Voltage ²	Input Current			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
LEDFHB320-4K-MVDIM	4000k	>80	44,298	321	138	120-277	2.68	1.34	1.16	>90%	<20%	122,000
LEDFHB320-5K-MVDIM	5000k	>80	44,940	321	140	120-277	2.68	1.34	1.16	>90%	<20%	122,000

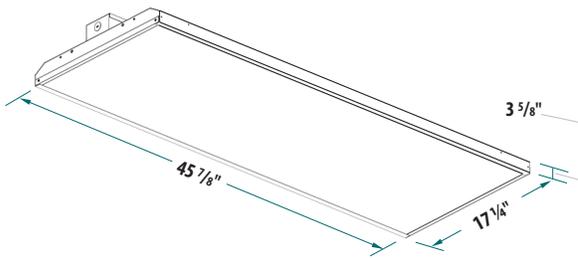
¹ Color rendering index.

² All 50-60Hz.

³ Total harmonic distortion.

⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

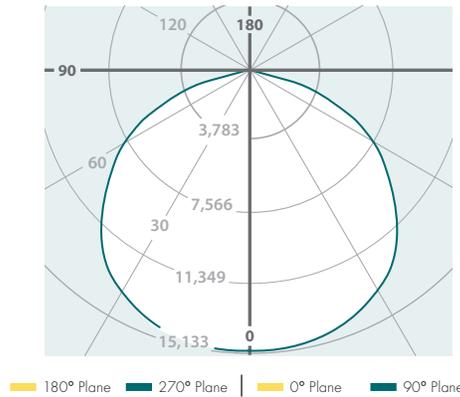
Dimensions



Photometric Data

LEDFHB320-5K-MVDIM

Candela Distribution Polar Plot

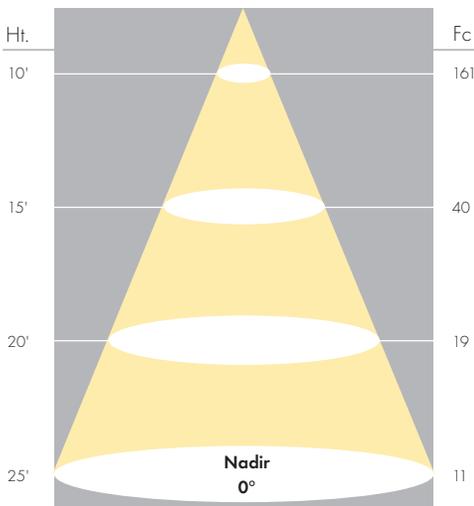


Maximum Candela = 15,133

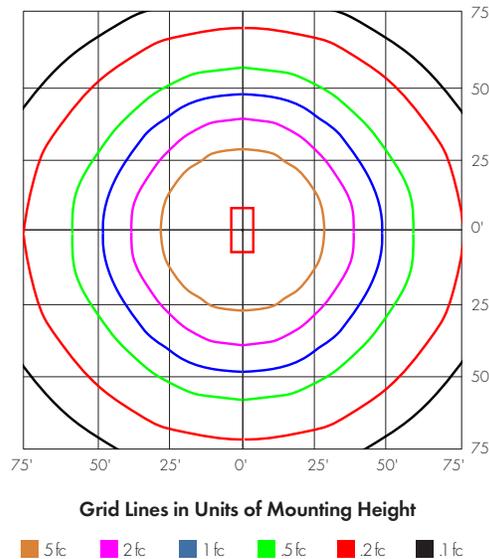
Candlepower Summary

	0°	90°
0°	15,133	15,133
10°	15,006	14,900
20°	14,465	14,300
30°	13,451	13,269
40°	11,946	11,710
50°	9,897	9,688
60°	6,844	7,154
70°	3,873	4,368
80°	985	1,587
90°	26	32

Cone of Light



Horizontal Footcandles



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0°-10°	1,456	3.2%
0°-20°	5,662	12.5%
0°-30°	12,144	27.0%
0°-40°	20,150	44.8%
0°-50°	28,619	63.7%
0°-60°	36,527	80.7%
0°-70°	41,793	93.0%
0°-80°	44,484	99.0%
0°-90°	44,862	99.8%
90°-180°	78	0.2%
0°-180°	44,940	100.0%

Luminaire – Quick Information Reference

RENOVA Catalog Number	Watts	Lumens	DLC	DLC ID #
LEDFHB320-3K-MVDIM	321	43,014	N/A	N/A
LEDFHB320-35K-MVDIM	321	43,656	N/A	N/A
LEDFHB320-4K-MVDIM	321	44,298	Premium	PLNM4108AO8V
LEDFHB320-5K-MVDIM	321	44,940	Premium	PLCLL06GFCT9