

425 Watt Full-Body LED High Bay

The LEDFHB425 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 LEDFHB425 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: LEDFHB425



project:

fixture type:

catalog #:

quantity:



ORDERING GUIDE

EXAMPLE: LEDFHB425-4K-MVDIM

LEDFHB425	-	-	MVDIM	
MODEL			DRIVER	OPTIONS (ORDER SEPARATELY)
LEDFHB425 - 425 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-SMK8 - Surface-mount kit, 8 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 		
		* Indicates special order		

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 57,439 lumens (138 lumens per watt, LPW) at 4000k, and 57,451 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			
LEDFHB425-4K-MVDIM	4000k	>80	57,439	426	135	120-277	3.55	1.78	1.54	>90%	<20%	113,000
LEDFHB425-5K-MVDIM	5000k	>80	57,451	426	135	120-277	3.55	1.78	1.54	>90%	<20%	113,000

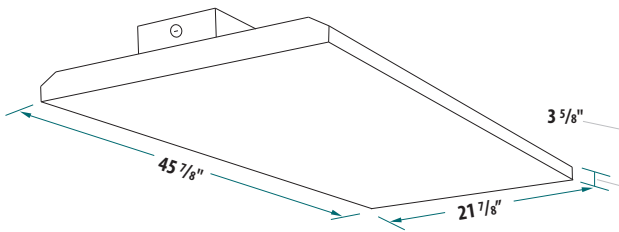
¹ Color rendering index.

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.

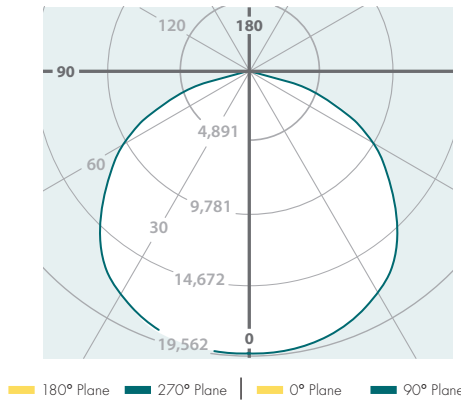
Dimensions



Photometric Data

LEDFHB425-5K-MVDIM

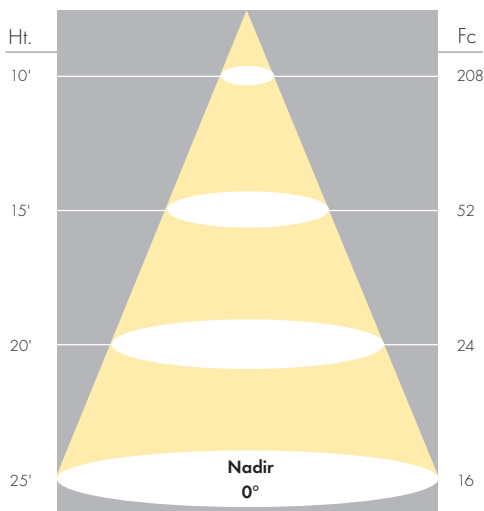
Candela Distribution Polar Plot



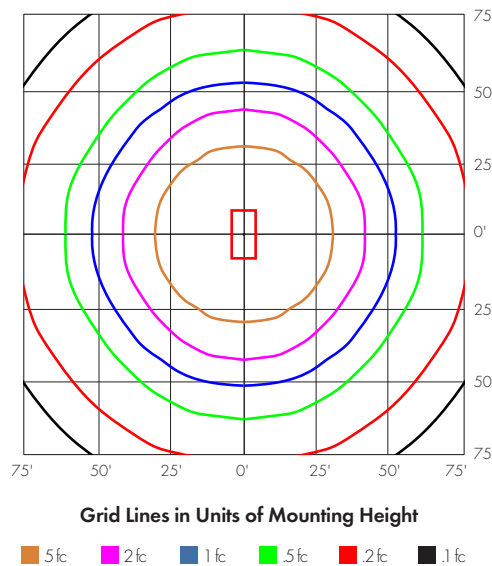
Candlepower Summary

	0°	90°
0°	19,562	19,562
10°	19,311	19,378
20°	18,543	18,611
30°	17,269	17,302
40°	15,178	15,351
50°	12,644	12,675
60°	9,432	8,882
70°	5,758	5,093
80°	2,119	1,162
90°	0	0

Cone of Light



Horizontal Footcandles



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0°-10°	1,838	3.2%
0°-20°	7,153	12.5%
0°-30°	15,357	26.7%
0°-40°	25,496	44.4%
0°-50°	36,243	63.1%
0°-60°	46,041	80.1%
0°-70°	53,252	92.7%
0°-80°	56,895	99.0%
0°-90°	57,451	100.0%
90°-180°	0	0.0%
0°-180°	57,451	100.0%

Luminaire – Quick Information Reference

RENOVA Catalog Number	Watts	Lumens	DLC	DLC ID #
LEDFHB425-3K-MVDIM	425	56,538	N/A	N/A
LEDFHB425-35K-MVDIM	425	56,817	N/A	N/A
LEDFHB425-4K-MVDIM	425	57,096	Premium	PLWY6GX8ECM
LEDFHB425-5K-MVDIM	425	57,375	Premium	PLTYMLT8TIHH