

APPLICATIONS

The CLHB-LF-425 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 plants, sporting venues and big-box retailers. With a painted, steel housing, the CLHB-LF-425 provides high levels of durability and performance. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional, HID high bays.

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 lumens output (L_{70}).**
- Delivers 57,439 lumens (135 lumens per watt, LPW) at 4000k, and 57,451 lumens (135 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.
- Painted steel housing.
- Easy installation in new construction or retrofit.
- Chain-mount kits (includes v-hooks and 1/8" thick, 1-meter long chain) are standard.
- Options include lenses (clear & diffused), wire-guard kits, surface-mounting kits, pendant-mounting kits, and cable-mounting kits.

* contact factory for other color temperatures and lumen packages.

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

STANDARD



Shown with optional diffuse lens

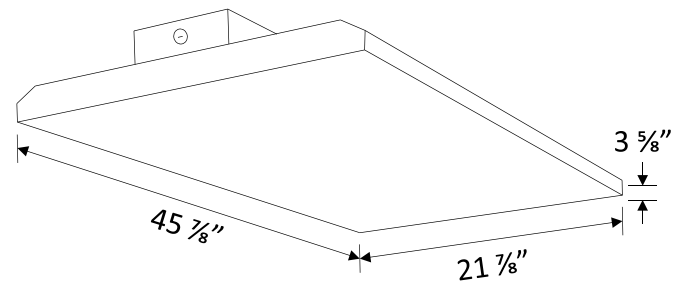
MOUNTING

- 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., 3 & 5 meters).

WARRANTY/LISTING

- cULus listed for damp locations in ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- DLC Premium approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements
- 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.

DIMENSIONS



Weight: 26.0 lbs.

PRODUCT PARAMETER

MODEL	LUMINAIRE WATTS	LUMINAIRE LUMENS	LUMENS PER WATTS	COLOR TEMPERATURE	OPTIONS (ORDER SEPARATELY)
CLHB-LF-42540	426	57,439	135	40 = 4000K	CAHB-425-CRLENS = Clear lens CAHB-425-DIFLENS = Diffuse lens CAHB-425-WG = Wire-guard kit CAHB-SMK8 = Surface-mounting kit, 8 LED modules CAHB-PMK = Pendant-mounting kit CAHB-CMK3 = Cable-mounting kit, 3 meters long CAHB-CMK5 = Cable-mounting kit, 5 meters long
CLHB-LF-42550	426	57,451	135	50 = 5000K	

ELECTRICAL DATA

MODEL	COLOR TEMPERATURE	CRI ¹	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS/WATT	INPUT VOLTAGE ²	INPUT CURRENT (A)			POWER FACTOR	THD ³	L ₇₀ HOURS ⁴
							120V	240V	277V			
CLHB-LF-42540	4000k	>80	57,439	426	135	120-277	3.55	1.78	1.54	>90%	<20%	113,000
CLHB-LF-42550	5000k	>80	57,451	426	135	120-277	3.55	1.78	1.54	>90%	<20%	113,000

¹ Color rendering index.

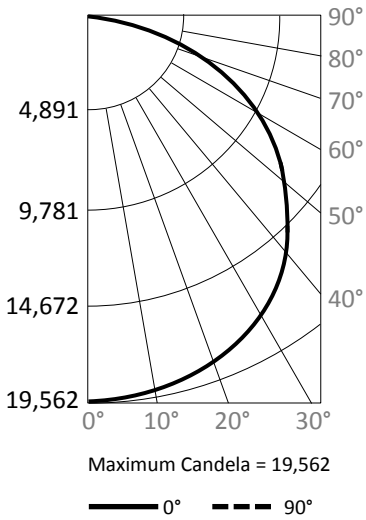
² All 50-60Hz.

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.

PHOTOMETRIC DATA

CLHB-LF-42550 (57,451 Lumens)

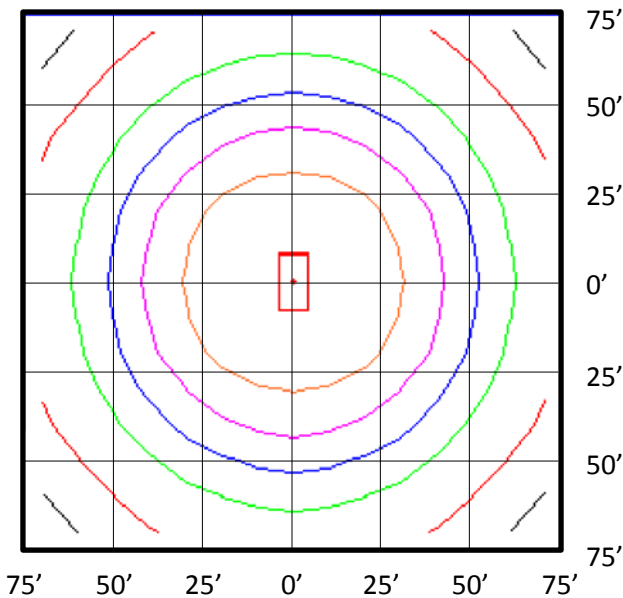
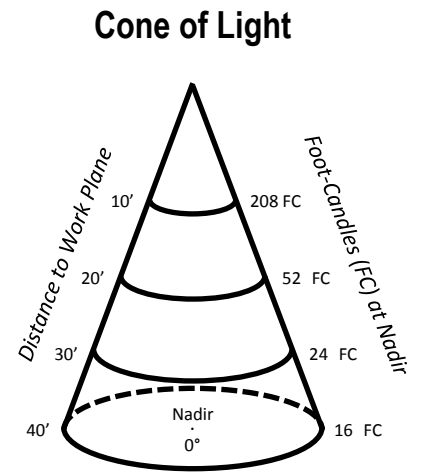


Candlepower Summary

	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

Zonal Lumen Summary

Zone	Lumens	% Fixture
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%



Notes:

- Isofootcandle plots depict initial footcandles at grade.
- Gridlines represent units of mounting height of 25 feet.