

APPLICATIONS

The CLHB-IB-160 is an LED I-Beam high bay luminaire designed to illuminate commercial, industrial & retail settings such as warehouses, manufacturing plants, sporting venues and big-box retailers. With a painted, steel housing, the CLHB-IB-160 provides durability and high performance. High-efficiency, long-life LEDs provide both energy and maintenance cost savings compared to traditional, HIB high bays.

FEATURES

- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 122,000 hours of operation with at least 70% of initial lumen output (L70).**
- Delivers 22,256 lumens from 160 watts input (139 lumens per watt) at both 4000k & 5000k.*
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming capability is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Painted steel housing.
- Options include pendant-mounting kits, surface-mounting kits, diffused lenses, and steel wire-guard kits.
- Easy installation in new construction or retrofit.

*Contact factory for other color temperatures and lumen packages.
 **L70 hours are IES TM-21-11 calculated hours.

STANDARD



MOUNTING OPTIONS

- Suspension from chains (1/2" chain material, 38" long) is standard. V-hangers, which attach the chain to the luminaire, are included.
- Pendant-mounting requires optional kit CAHB-PMNT (order separately).

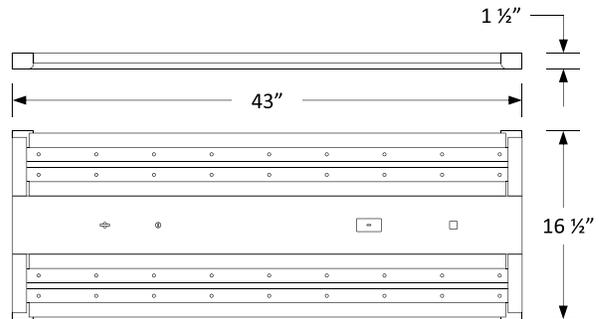


- Luminaire can be surface-mounted using pre-drilled mounting holes in the housing.

WARRANTY/LISTING

- cFus listed to applicable U.L. standards. Listed for damp locations. Suitable for ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- DLC premium approved.
- Complies with FCC Part 15, class A.
- Complies with IEEE C.62.41-1991, Class A input transient surge protection (2.5kV).
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- 5-year warranty of all electronics and housing.

DIMENSIONS



Weight: 12.3 lb.

PRODUCT PARAMETER

MODEL	COLOR TEMPERATURE	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS PER WATT	DRIVER	OPTIONS (ORDER SEPARATELY)
CLHB-IB-16040	4000K	22,256	160	139	Universal 120-277 AC Voltage, 0-10vdc dimming	CAHB-PMNT = Pendant-mounting kit
CLHB-IB-16050	5000K	22,256	160	139		CAHB-IB-160-LENS = Diffused Lens
						CAHB-IB-160-WG = Steel wire guard, white

ELECTRICAL DATA

MODEL	COLOR TEMPERATURE	CRI ¹	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS/WATT	INPUT VOLTAGE	INPUT CURRENT (A)			POWER FACTOR	THD ²	L ₇₀ HOURS ³
							120V	240V	277V			
CLHB-IB-16040	4000K	>80	22,256	160	139	120-277	1.33	0.67	0.58	>90%	<20%	122,000
CLHB-IB-16050	5000K	>80	22,256	160	139	120-277	1.33	0.67	0.58	>90%	<20%	122,000

¹ Color rendering index.

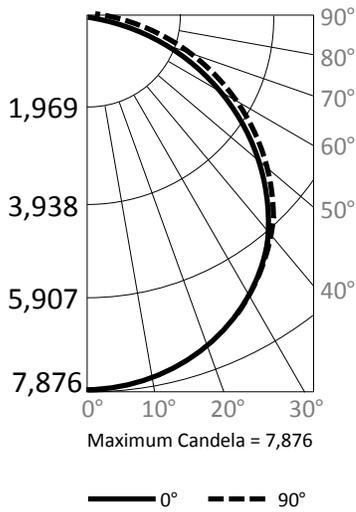
² All 50-60Hz.

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.

PHOTOMETRIC DATA

CLHB-IB-16050 (22,256 Lumens)



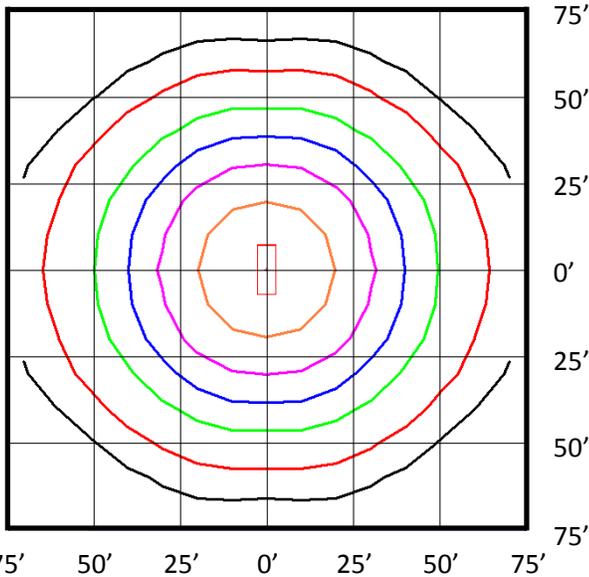
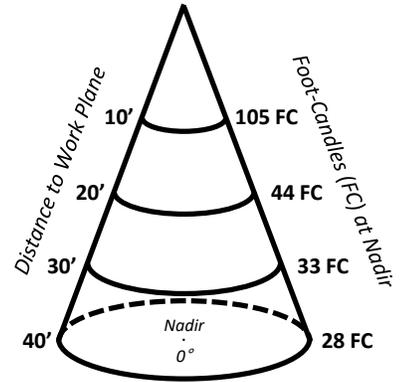
Candlepower Summary

	0°	90°
0°	7,876	7,876
10°	7,716	7,807
20°	7,333	7,462
30°	6,736	6,871
40°	5,942	6,070
50°	4,765	5,056
60°	2,731	3,734
70°	1,101	2,265
80°	241	855
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 10°	746	3.4%
0° - 20°	2,890	13.0%
0° - 30°	6,170	27.7%
0° - 40°	10,184	45.8%
0° - 50°	14,438	64.9%
0° - 60°	18,227	81.9%
0° - 70°	20,824	93.6%
0° - 80°	22,003	98.9%
0° - 90°	22,256	100.0%
90° - 180°	0	0.0%
0° - 180°	22,256	100.0%

Cone of Light



- Foot Candles**
- 5.0
 - 2.0
 - 1.0
 - 0.5
 - 0.2
 - 0.1

Notes:

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