

## APPLICATIONS

The CLHB-IB-200 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-200 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 27,820 lumens from 200 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).

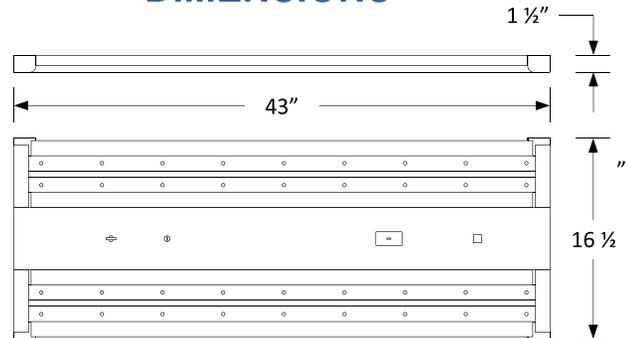


- Luminaire can be surface-mounted using pre-drilled mounting holes in the housing.

## WARRANTY/LISTING

- cETus 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: 13 lb.**

## PRODUCT PARAMETER

MODEL	COLOR TEMPERATURE	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS PER WATT	DRIVER	OPTIONS (ORDER SEPARATELY)
CLHB-IB-20040	4000K	27,820	200	139	Universal 120-277 AC Voltage, 0-10vdc dimming	CAHB-PMNT = Pendant-mounting kit
CLHB-IB-20050	5000K	27,820	200	139		CAHB-IB-200-LENS = Diffused Lens CAHB-IB-200-WG = Steel wire guard, white

## ELECTRICAL DATA

MODEL	COLOR TEMPERATURE	CRI <sup>1</sup>	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS/WATT	INPUT VOLTAGE	INPUT CURRENT (A)			POWER FACTOR	THD <sup>2</sup>	L <sub>70</sub> HOURS <sup>3</sup>
							120V	240V	277V			
CLHB-IB-20040	4000K	>80	27,820	200	139	120-277	1.67	0.83	0.72	>90%	<20%	122,000
CLHB-IB-20050	5000K	>80	27,820	200	139	120-277	1.67	0.83	0.72	>90%	<20%	122,000

<sup>1</sup> Color rendering index.

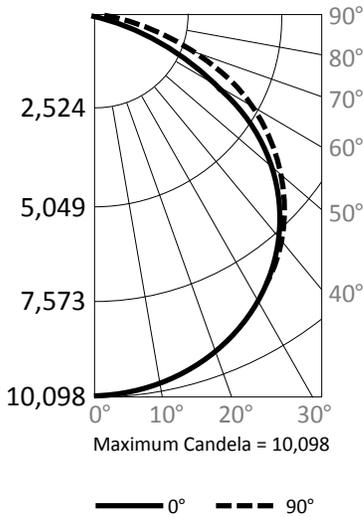
<sup>2</sup> All 50-60Hz.

<sup>3</sup> Total harmonic distortion.

<sup>4</sup> L<sub>70</sub> refers to the number of hours at which lumen output declines to 70% of the initial level. L<sub>70</sub> hours are IES TM-21-11 calculated hours.

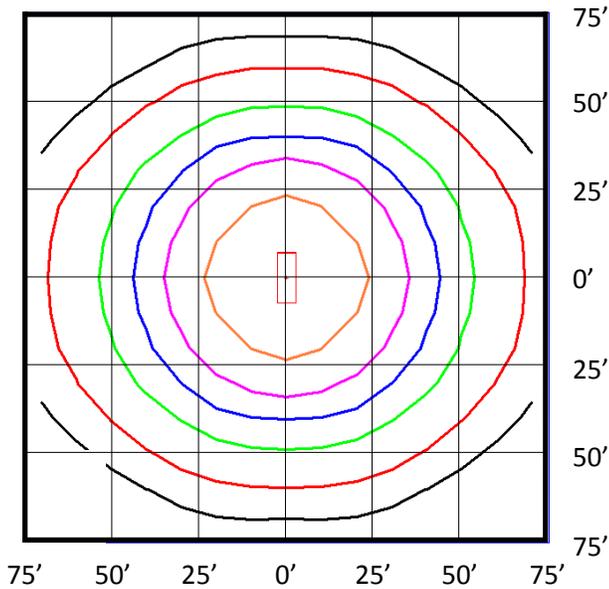
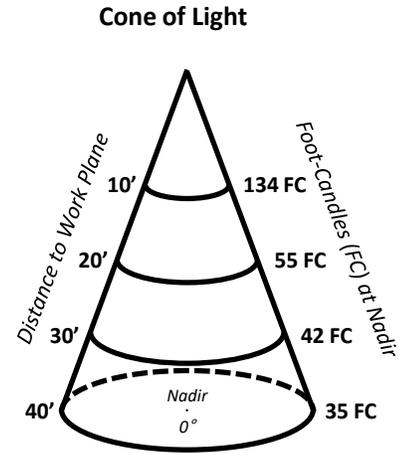
## PHOTOMETRIC DATA

### CLHB-IB-20050 (27,820 Lumens)



	0°	90°
0°	10,098	10,098
10°	9,891	9,990
20°	9,397	9,543
30°	8,664	8,792
40°	7,652	7,785
50°	6,197	6,471
60°	3,468	4,824
70°	1,344	2,874
80°	286	1,031
90°	0	0

Zone	Lumens	% Fixture
0° - 10°	941	3.4%
0° - 20°	3,645	13.1%
0° - 30°	7,777	28.0%
0° - 40°	12,840	46.2%
0° - 50°	18,177	65.3%
0° - 60°	22,943	82.5%
0° - 70°	26,145	94.0%
0° - 80°	27,546	99.0%
0° - 90°	27,820	100.0%
90° - 180°	0	0.0%
0° - 180°	27,820	100.0%



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.