# CLHB-IB 200W LED I-Beam High Bay

LEDQUANT

## 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-efficacy, 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.

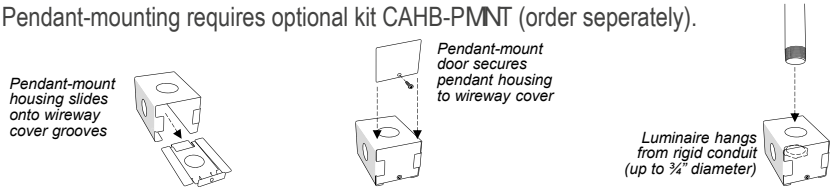
**Contact factory for other color temperatures and lumen packages.*
***$L_{70}$ hours are IES TM-21-11 calculated hours.*

## STANDARD

Intertek · DLC Premium Listed · FC · 2.5kV Surge Protection · DAMP · RoHS

## MOUNTING OPTIONS

- Suspension from chains (½" 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 seperately).

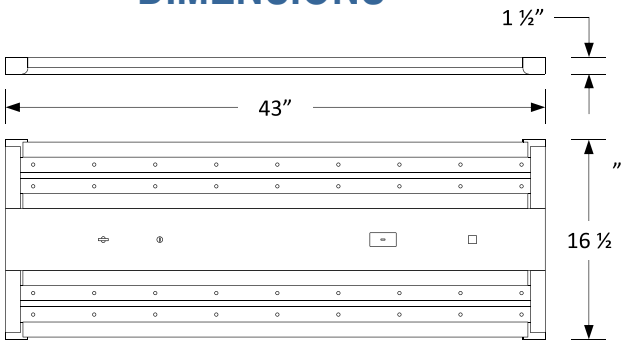



- Luminaire can be surface-mounted using pre-drilled mounting holes in the housing.

## 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<br>CLHB-IB-20050 | 4000K<br>5000K | 27,820<br>27,820 | 200<br>200 | 139<br>139 | Universal 120-277 AC Voltage, 0-10vdc dimming | CAHB-PMNT = Pendant-mounting kit<br>CAHB-IB-200-LENS = Diffused Lens<br>CAHB-IB-200-WG = Steel wire guard, white |

LEDQuant Commercial 10 Draper St #32, Woburn MA 01801 sales@ledquant.com (800) 887-7141

# CLHB-IB 200W LED I-Beam High Bay

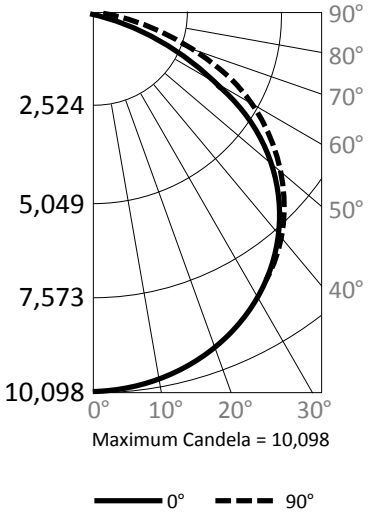
## ELECTRICAL DATA

| 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-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 |

[1] *Color rendering index.*
[2] *All 50-60Hz.*
[3] *Total harmonic distortion.*
[4] *$L_{70}$ refers to the number of hours at which lumen output declines to 70% of the initial level. $L_{70}$ hours are IES TM-21-11 calculated hours.*

## PHOTOMETRIC DATA

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



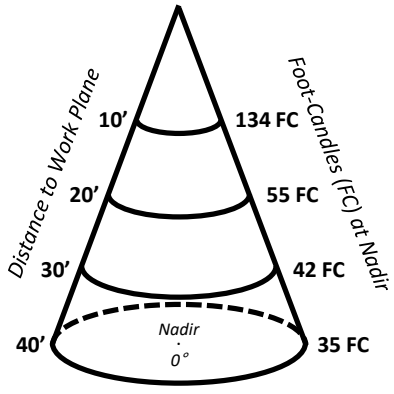

**Candlepower Summary**

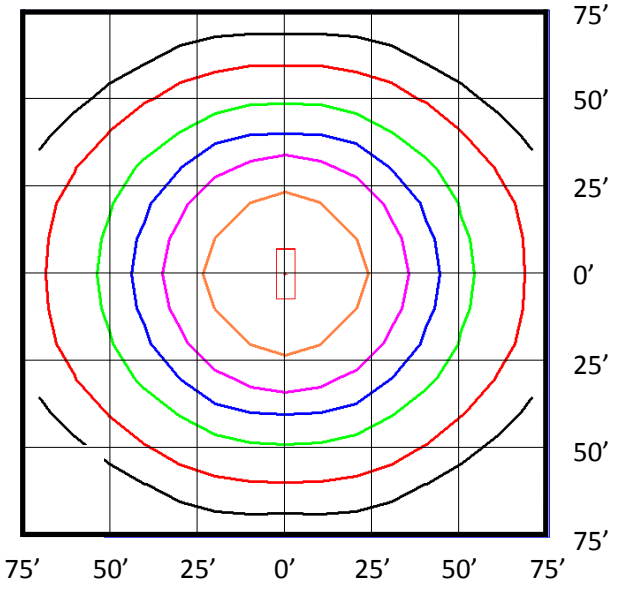
| | 0° | 90° |
|---|---|---|
| **0°** | 10,098 | 10,098 |
| **10°** | 9,891 | 9,990 |
| **20°** | 9,397 | 9,543 |
| **30°** | 8,664 | 8,792 |
| **40°** | 7,652 | 7,785 |
| **50°** | 6,197 | 6,471 |
| **60°** | 3,468 | 4,824 |
| **70°** | 1,344 | 2,874 |
| **80°** | 286 | 1,031 |
| **90°** | 0 | 0 |

**Zonal Lumen Summary**

| 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%** |

**Cone of Light**




**Notes:**

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