## CLHB-LF 178W Full Body LED High Bay

# LEDQUANT

# \*Shown with optional diffuse lens\*

### **APPLICATIONS**

The CLHB-LF-178 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-178 provides durability and high 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 temperature.\*
- $\bullet$  Long-life LEDs provide 122,000 hours of operation with at least 70% of initial lumens output (L70).\*\*
- Delivers 24,564 lumens (128 lumens per watt, LPW) at 4000k, and 24,920 lumens (140 LPW) at 5000k.\*
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 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  $\frac{1}{6}$  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. \*\*L70 hours are IES TM-21-11 calculated hours.



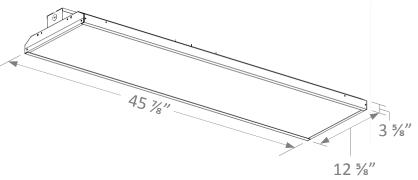
#### MOUNTING

- 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 FCC Part 15, class B.
- Complies with IEEE C.62.41-1991, input transient protection
- (2.5kV).
- 5-year warranty

#### DIMENSIONS



#### **PRODUCT PARAMETER**

MODEL	LUMINAIRE WATTS	LUMINAIRE LUMENS	LUMENS PER WATTS	COLOR TEMPERATURE	OPTIONS (ORDER SEPARATELY)
CLHB-LF-17840 CLHB-LF-17850	178 178	24,564 24,920	138 140	40 = 4000K 50 = 5000K	-CAHB-180-CRLENS = Clear lens -CAHB-180-DIFLENS = Diffuse lens -CAHB-180-WG = Wire-guard kit -CAHB-180-SMK = Surface-mounting kit -CAHB-180-PMK = Pendant-mounting kit -CAHB-180-CMK3 = Cable-mounting kit, 3 meters long -CAHB-180-CMK5 = Cable-mounting kit, 5 meters long

# LEDOUANT

#### **ELECTRICAL DATA**

MODEL	COLOR	CRI <sup>1</sup>		LUMINAIRE		INPUT	INPUT CURRENT (A)		POWER	THD <sup>3</sup>	L <sub>70</sub>	
MODEL	TEMPERATURE	GRI	LUMENS	WATTS	WATT	VOLTAGE <sup>2</sup>	120V	240V	277V	FACTOR	שחו	L70 HOURS⁴
CLHB-LF-17840	4000k	>80	24,564	178	138	120-277	1.48	0.74	0.64	>90%	<20%	122,000
CLHB-LF-17850	5000k	>80	24,920	178	140	120-277	1.48	0.74	0.64	>90%	<20%	122,000

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

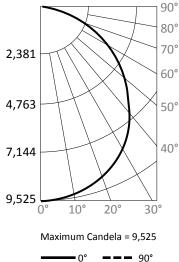
<sup>2</sup> All 50-60Hz.

<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-LF-17850 (24,920 Lumens)



0		Candlepower Summary					
0		0°	<u>90°</u>				
D	0°	9,525	9,525				
	10°	9,346	9,390				
0	20°	8,863	8,894				
	30°	8,010	8,024				
0	40°	6,793	6,731				
	50°	5,210	5,038				
	60°	3,477	3,265				
	70°	1,890	1,773				
	80°	664	656				
	90°	0	0				

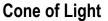
Zonal Lumen Summary					
Zone	Lumens	% Fixture			
0° - 10°	903	3.6%			
0° - 20°	3,495	14.0%			
0° - 30°	7,430	29.8%			
0° - 40°	12,123	48.6%			
0° - 50°	16,791	67.4%			
0° - 60°	20,657	82.9%			
0° - 70°	23,271	93.4%			
0° - 80°	24,599	98.7%			
0° - 90°	24,920	100.0%			
90° - 180°	0	0.0%			
0° - 180°	24,920	100.0%			

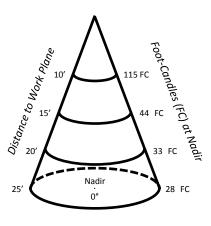
Foot Candles

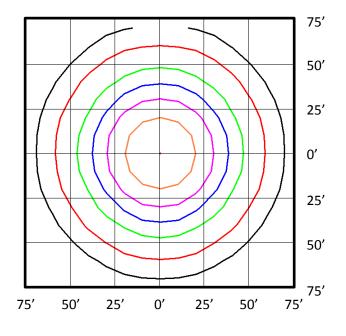
5.0 2.0

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.