

Project:	
Type:	
Catalog #:	

STANDARD

The h) U = " is an LED 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 and aluminum heat sink, the LEDHB165 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 5000k (cool white) color temperature.*
- Long-life LEDs provide 57,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- 22,020 lumen output from 165 watts input (133 lumens per watt) is standard.*
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming drivers are available as options. To order, use model suffix DIM10V.
- Microwave occupancy sensors are available as options. Order model MWAVEDH-DIM10V separately.
- Power factor > 0.99.
- Total harmonic distortion < 20%.
- Color rendering index > 85.
- Painted steel housing and aluminum heat sink.
- Suitable for ambient temperatures from -20°C to 40°C (-4°F to 104°F).
- 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.

WARRANTY & LISTINGS

- cETLus listed to applicable U.L. standards. Listed for damp locations
- DLC approved.
- 5-year warranty of all electronics and housing.

ORDERING INFORMATION

Example: LEDHB165-5K-MV-DIM10V + LEDHBPK + MWAVEDH-DIM10V + LEDHB165-LENS
(165 watt high bay, 0-10vdc dimming + pendant-mounting kit + motion sensor + lens assembly)

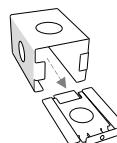
Model	Luminaire Watts	Luminaire Lumens	Color Temperature	Options (Unless Otherwise Noted, Order Separately)
LEDHB165-5K-MV	165	22,020	5K = 5000k	DIM10V ¹ LEDHBPK LEDHBSMK MWAVEDH-DIM10V LEDHB165-LENS LEDHB165-WG

¹ To order, add as a suffix to model number.

**MOUNTING OPTIONS**

- Suspension from chains (1/8" chain material, 38" long) is standard. V-hangers, which attach the chain to the luminaire, are included.
- Pendant-mounting requires optional kit LEDHBPK (order separately).

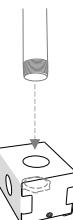
Pendant-mount housing slides onto wireway cover grooves



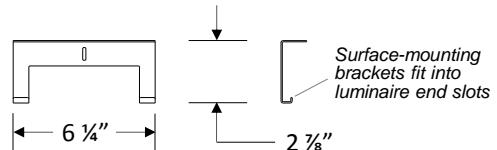
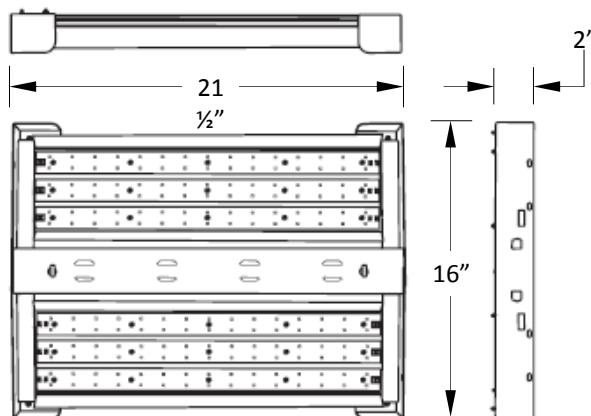
Pendant-mount door secures pendant housing to wireway cover



Luminaire hangs from rigid conduit (up to 3/4" diameter)



- Surface-mounting requires optional kit LEDHBSMK (order separately). Brackets (shown below) attach to luminaire ends.

**DIMENSIONS**

ELECTRICAL DATA

Model	Color Temperature	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage	Input Current (A)			Power Factor	THD ²	L ₇₀ Hours ³
							120V	240V	277V			
PDMHB165-5K-MV	5000k	> 85	22,020	165	133	120-277 (50-60Hz)	1.38	0.69	0.60	> 99%	< 20%	57,000

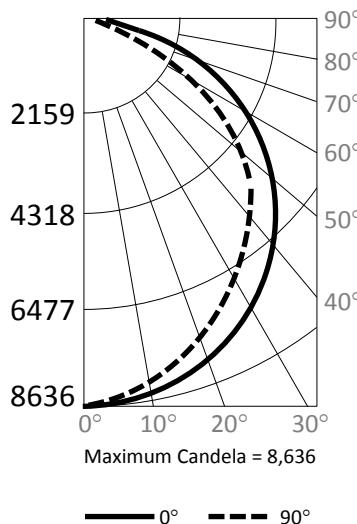
¹ Color rendering index

² Total harmonic distortion

³ 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

PDMHB165-5K-MV (22,020 Lumens)

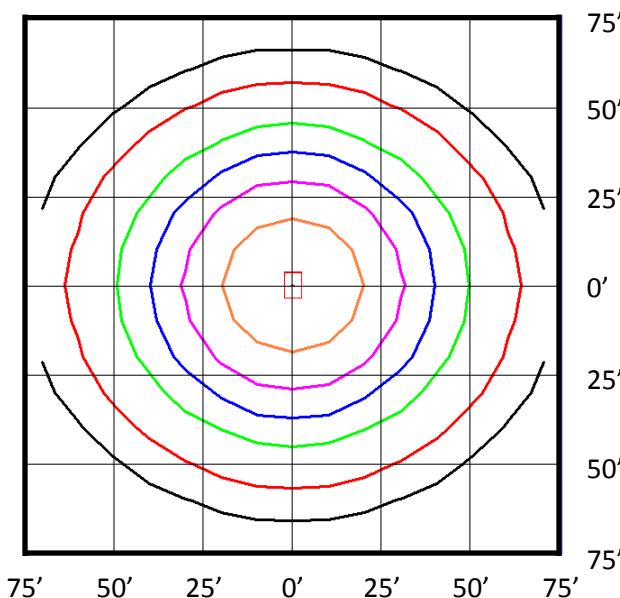
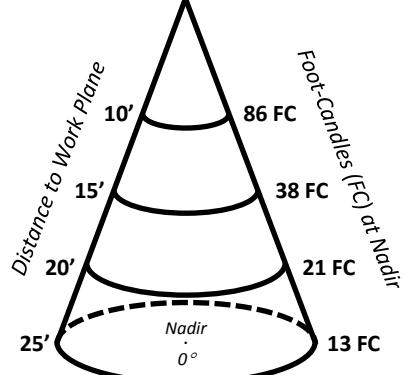


Candlepower Summary	
	0° 90°
0°	8,636 8,636
10°	8,190 8,522
20°	7,622 8,122
30°	6,605 7,462
40°	5,721 6,528
50°	4,329 5,356
60°	2,798 3,887
70°	1,211 2,344
80°	146 813
90°	0 0
0° – 180°	22,020
0° – 180°	100.0%

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	815	3.7%
0° – 20°	3,108	14.1%
0° – 30°	6,522	29.6%
0° – 40°	10,568	48.0%
0° – 50°	14,757	67.0%
0° – 60°	18,370	83.4%
0° – 70°	20,840	94.6%
0° – 80°	21,874	99.3%
0° – 90°	22,020	100.0%
90° – 180°	0	0.0%
0° – 180°	22,020	100.0%

Cone of Light



Foot Candles

Notes:

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