

PDMHB220

220 Watt LED High Bay



Project:	
Type:	
Catalog #:	



Shown with optional lens cover

STANDARD



The PDMHB220 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 PDMHB220 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}).^{**}
- 29,370 lumen output from 220 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 > 80.
- 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.

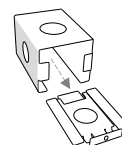
WARRANTY & LISTINGS

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

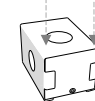
MOUNTING OPTIONS

- Suspension from chains ($\frac{1}{8}$ " 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).

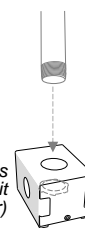
Pendant-mount housing slides onto wireway cover grooves



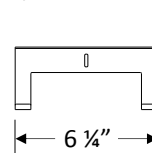
Pendant-mount door secures pendant housing to wireway cover



Luminaire hangs from rigid conduit (up to $\frac{3}{4}$ " diameter)

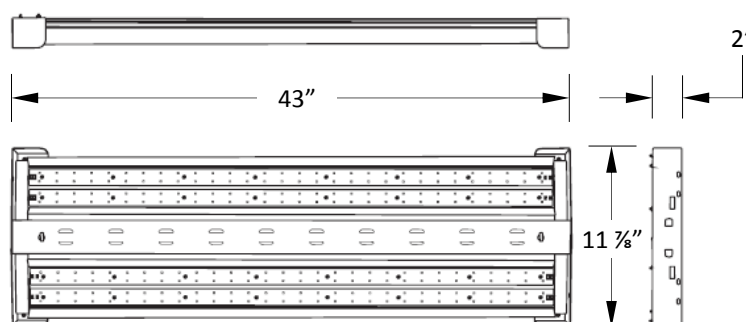


- Surface-mounting requires optional kit LEDHBSMK (order separately). Brackets (shown below) attach to luminaire ends.



Surface-mounting brackets fit into luminaire end slots

DIMENSIONS



ORDERING INFORMATION

Example: PDMHB220-5K-MV-DIM10V + LEDHBPK + MWAVEDH-DIM10V + PDMHB220-LENS
(220 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)
PDMHB220-5K-MV	220	29,370	5K = 5000k	DIM10V ¹ = 0-10vdc dimming driver LEDHBPK = Pendant-mounting kit LEDHBSMK = Surface-mounting kit MWAVEDH-DIM10V = Microwave motion sensor, 0-10vdc dimming PDMHB220-LENS = Lens assembly, steel door, diffused lens PDMHB220-WG = Steel wire guard, white

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

FME Lighting | 877-234-8460 | info@fmelighting.com

Specifications and dimensions subject to change without notice.

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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			
PDMHB220-5K-MV	5000k	> 80	29,370	220	133	120-277 (50-60Hz)	1.83	0.92	0.79	> 99%	< 20%	57,000

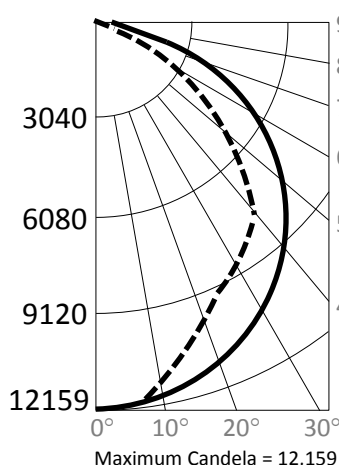
¹ Color rendering index

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

PDMHB220-5K-MV (29,370 Lumens)



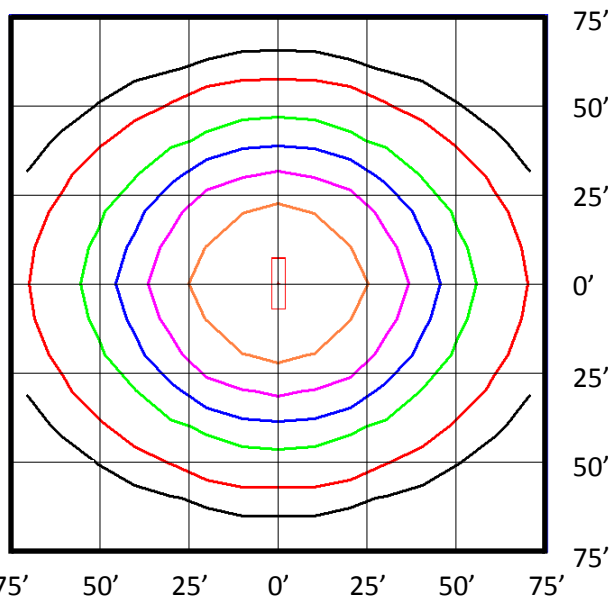
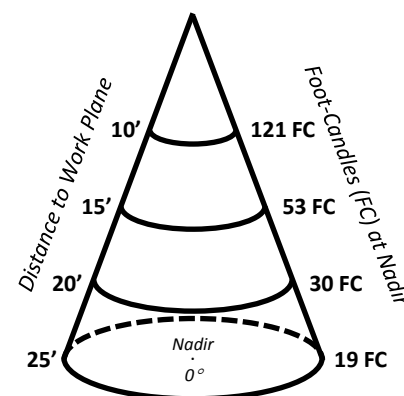
Candlepower Summary

	0°	90°
0°	12,159	12,159
10°	11,755	12,061
20°	10,140	11,504
30°	8,813	10,534
40°	7,800	9,248
50°	5,550	7,618
60°	3,083	5,564
70°	1,046	3,395
80°	171	1,247
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	1,164	4.0%
0° – 20°	4,398	15.0%
0° – 30°	9,075	30.9%
0° – 40°	14,589	49.7%
0° – 50°	20,220	68.8%
0° – 60°	24,902	84.8%
0° – 70°	27,965	95.2%
0° – 80°	29,159	99.3%
0° – 90°	29,370	100.0%
90° – 180°	0	0.0%
0° – 180°	29,370	100.0%

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Notes:

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