

Project:	
Type:	
Catalog #:	

### 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.

### 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)

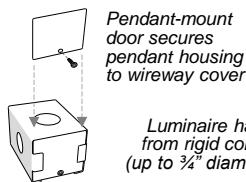
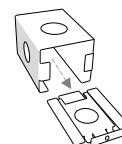
Model	Luminaire Watts	Luminaire Lumens	Color Temperature	Options (Unless Otherwise Noted, Order Separately)
PDMHB220-5K-MV	220	29,370	5K = 5000k	DIM10V <sup>1</sup> = 0-10vdc dimming driver LEDHBPK = Pendant-mounting kit LEDHBSMK = Surface-mounting kit MWAVEDH-DIM10V = Microwave motion sensor, 0-10vdc dimming PDMHB220-LENS = Lens assembly, steel door, diffused lens PDMHB220-WG = Steel wire guard, white



### MOUNTING OPTIONS

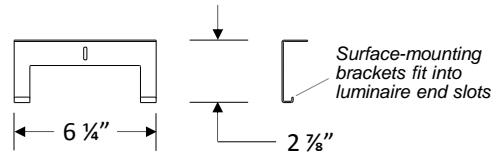
- Suspension from chains (1/8" chain material, 38" long) is standard. V-hangers, which attach the chain to the luminaire, are included.
- Pendant-mounting requires optional kit LEDHBPK (order separately).
- Surface-mounting requires optional kit LEDHBSMK (order separately). Brackets (shown below) attach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

Pendant-mount housing slides onto wireway cover grooves

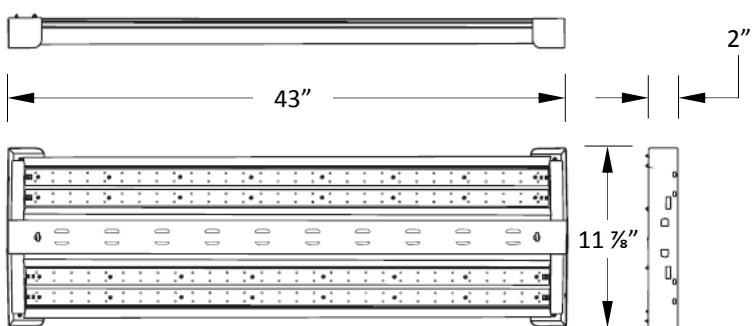


Pendant-mount door secures pendant housing to wireway cover

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



### DIMENSIONS



<sup>1</sup> To order, add as a suffix to model number.

# PDMHB220 220 Watt LED High Bay

## ELECTRICAL DATA

Model	Color Temperature	CRI <sup>1</sup>	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage	Input Current (A)			Power Factor	THD <sup>2</sup>	L <sub>70</sub> Hours <sup>3</sup>
							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

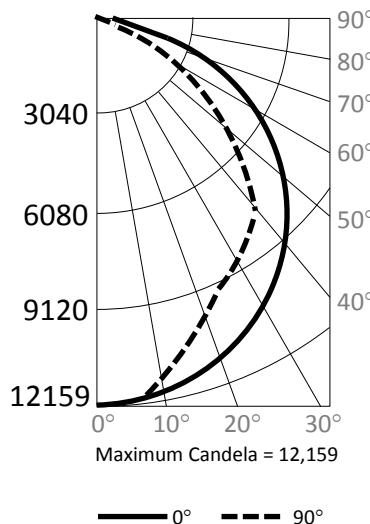
<sup>1</sup> Color rendering index

<sup>2</sup> Total harmonic distortion

<sup>3</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

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

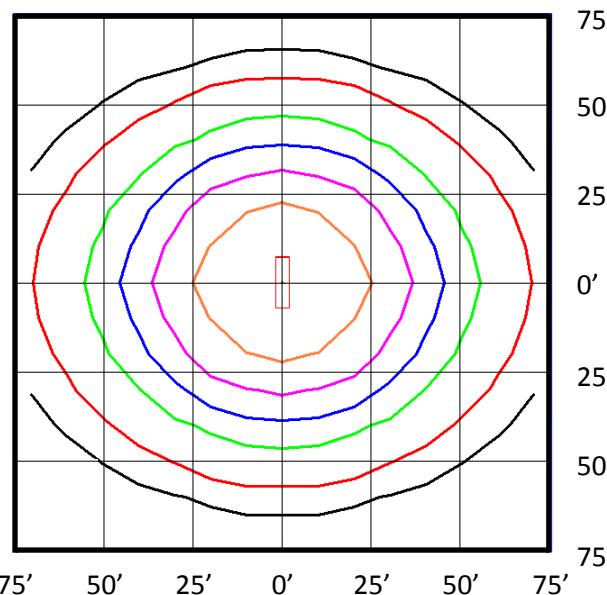
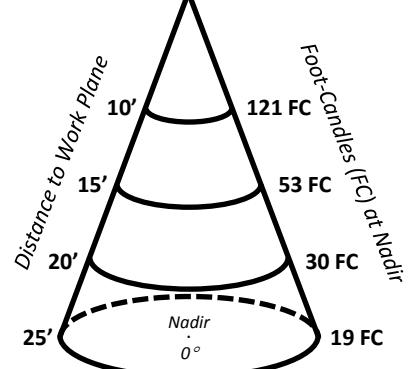


Candlepower Summary		
	0°	90°
0°	12,159	12,159
10°	11,755	12,061
20°	10,140	11,504
30°	8,813	10,534
40°	7,800	9,248
50°	5,550	7,618
60°	3,083	5,564
70°	1,046	3,395
80°	171	1,247
90°	0	0
<b>0° – 180°</b>	<b>29,370</b>	<b>100.0%</b>

### 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%
<b>90° – 180°</b>	<b>0</b>	<b>0.0%</b>
<b>0° – 180°</b>	<b>29,370</b>	<b>100.0%</b>

### Cone of Light



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.