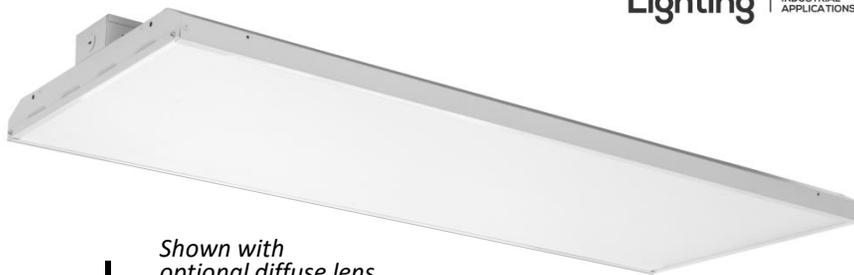


# PDMFHB275 275 Watt Full-Body LED High Bay



Project:	
Type:	
Catalog #:	



Shown with optional diffuse lens

## STANDARD



The PDMFHB275 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 PDMFHB275 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 121,000 hours of operation with at least 70% of initial lumen output ( $L_{70}$ ).\*\*
- 37,650 lumen output from 275 watts input (137 lumens per watt) is standard.\*
- Universal 100-277 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  $\frac{1}{8}$ " 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.

\*\*  $L_{70}$  hours are IES TM-21-11 calculated hours.

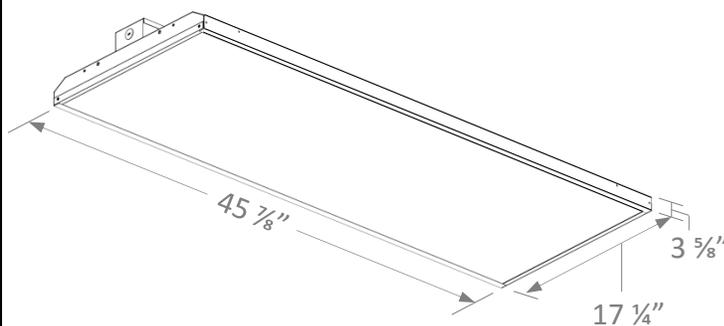
## WARRANTY & LISTINGS

- cULus listed for damp locations in ambient temperatures from  $-20^{\circ}\text{C}$  to  $50^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $122^{\circ}\text{F}$ ).
- 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 of all electronics and housing.

## MOUNTING OPTIONS

- 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).

## DIMENSIONS



## ORDERING INFORMATION

Example: PDMFHB275-5K-MVDIM + PDMFHB275-CRLENS + PDMFHB275-WG + PDMFH-SMK

Model	Luminaire Watts	Luminaire Lumens	Lumens Per Watt	Color Temperature	Options (Order Separately)
PDMFHB275-5K-MVDIM	275	37,650	137	5K = 5000k	PDMFHB275-CRLENS = Clear lens PDMFHB275-DIFLENS = Diffuse lens PDMFHB275-WG = Wire-guard kit PDMFHB-SMK = Surface-mounting kit PDMFHB-PMK = Pendant-mounting kit PDMFHB-CMK3 = Cable-mounting kit, 3 meters long PDMFHB-CMK5 = Cable-mounting kit, 5 meters long

# PDMFHB275 275 Watt Full-Body LED High Bay



## ELECTRICAL DATA

Model	Color Temperature	CRI <sup>1</sup>	Luminaire Lumens	Luminaire Watts	Lumens/Watt	Input Voltage <sup>2</sup>	Input Current (A)			Power Factor	THD <sup>3</sup>	L <sub>70</sub> Hours <sup>4</sup>
							120V	240V	277V			
PDMFHB275-5K-MVDIM	5000k	>80	37,650	275	137	120-277	2.29	1.15	0.99	>90%	<20%	121,000

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

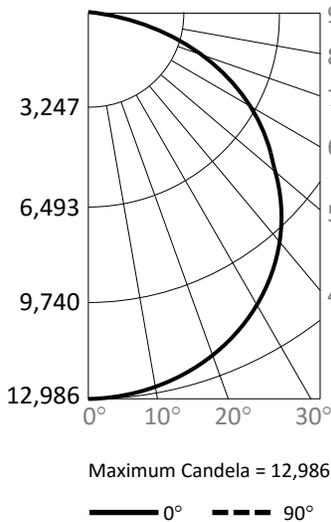
<sup>2</sup> All 50-60Hz.

<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

### PDMFHB275-5K-MVDIM (37,650 Lumens)



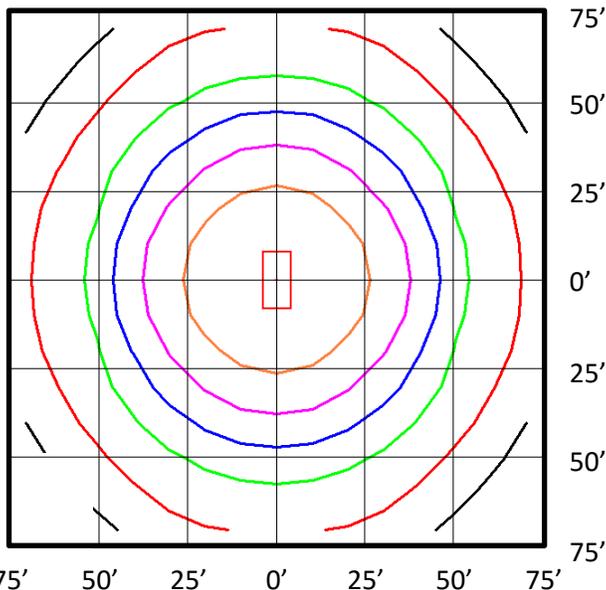
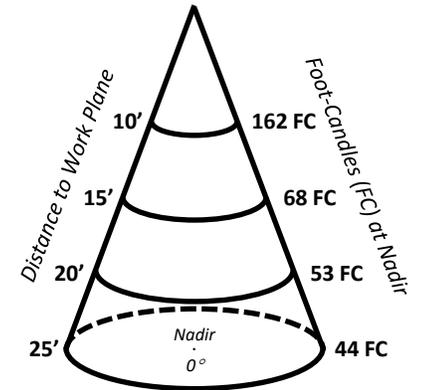
#### Candlepower Summary

	0°	90°
0°	12,986	12,986
10°	12,785	12,847
20°	12,250	12,311
30°	11,370	11,391
40°	10,010	10,011
50°	8,240	8,141
60°	6,114	5,140
70°	3,727	3,034
80°	1,339	534
90°	0	0

#### Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	1,232	3.3%
0° – 20°	4,789	12.7%
0° – 30°	10,268	27.3%
0° – 40°	17,019	45.2%
0° – 50°	24,130	64.1%
0° – 60°	30,566	81.2%
0° – 70°	35,096	93.2%
0° – 80°	37,337	99.2%
0° – 90°	37,650	100.0%
90° – 180°	0	0.0%
0° – 180°	37,650	100.0%

#### Cone of Light



#### Notes:

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