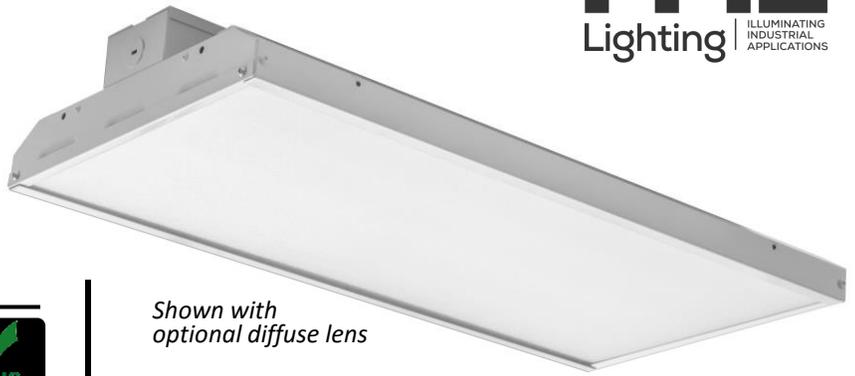


PDMFHB90 90 Watt Full-Body LED High Bay



Project:	
Type:	
Catalog #:	



Shown with optional diffuse lens

STANDARD



The PDM Series 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 PDM Series provides high levels of durability and 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 temperatures.*
- Long-life LEDs provide 122,000 hours of operation with at least 70% of initial lumen output (L₇₀).**
- Delivers 12,420 lumens (138 lumens per watt, LPW) at 4000k, and 12,600 lumens (140 LPW) at 5000k.*
- Universal 120-277 AC voltage (50-60Hz) is standard. Step-down transformers are required for 347-480V applications.
- 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 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.
 ** L₇₀ hours are IES TM-21-11 calculated hours.

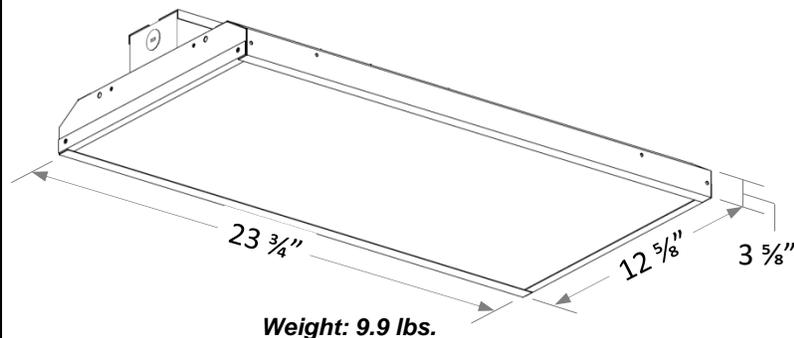
WARRANTY & LISTINGS

- cULus listed for damp locations in ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- DLC premium approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements
- Complies with FCC Part 15, class A.
- 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



Weight: 9.9 lbs.

ORDERING INFORMATION

Example: PDMFHB90-4K-MVDIM + PDMFHB90/95-CRLENS + PDMFHB90/95-WG + PDMFHB-SMK4

Model	Luminaire Watts	Luminaire Lumens	Lumens Per Watt	Color Temperature	Options (Order Separately)
PDMFHB90-4K-MVDIM	90	12,420	138	4K = 4000k	PDMFHB90/95-CRLENS = Clear lens PDMFHB90/95-DIFLENS = Diffuse lens
PDMFHB90-5K-MVDIM	90	12,600	140	5K = 5000k	PDMFHB90/95-WG = Wire-guard kit PDMFHBSMK4 = Surface-mount kit, 4 LED modules PDMFHB-PMK = Pendant-mount kit PDMFHB-CMK3 = Cable-mounting kit, 3 meters long PDMFHB-CMK5 = Cable-mounting kit, 5 meters long

PDMFHB90 90 Watt Full-Body LED High Bay



ELECTRICAL DATA

Model	Color Temp.	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens/Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
PDMFHB90-4K-MVDIM	4000k	>80	12,420	90	138	120-277	0.75	0.38	0.32	>90%	<20%	122,000
PDMFHB90-5K-MVDIM	5000k	>80	12,600	90	140	120-277	0.75	0.38	0.32	>90%	<20%	122,000

¹ Color rendering index.

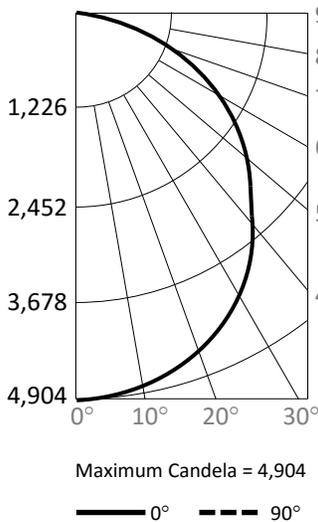
² All 50-60Hz.

³ Total harmonic distortion.

⁴ 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

PDMFHB90-5K-MVDIM (12,600 Lumens)



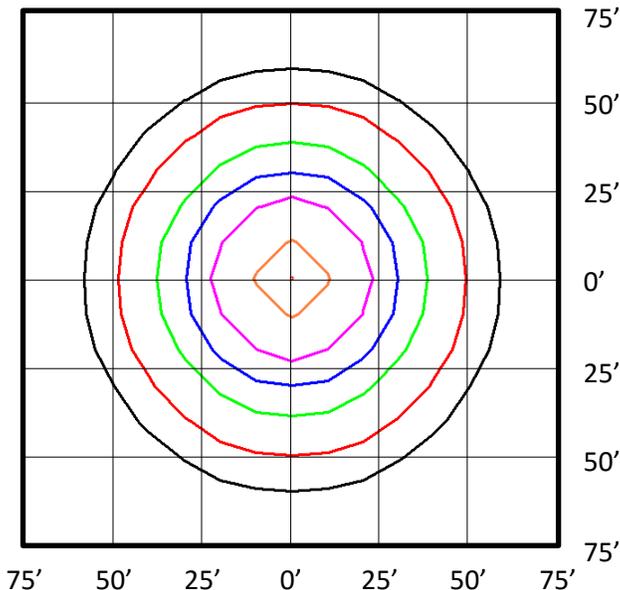
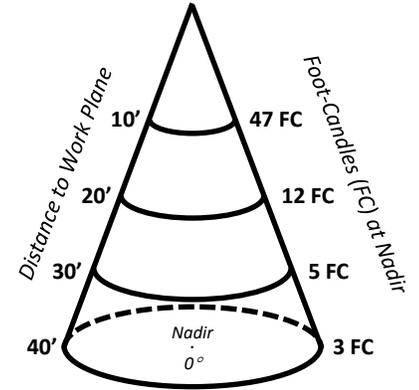
Candlepower Summary

	0°	90°
0°	4,904	4,904
10°	4,826	4,807
20°	4,606	4,552
30°	4,174	4,093
40°	3,534	3,434
50°	2,722	2,562
60°	1,832	1,663
70°	1,029	900
80°	396	326
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 10°	465	3.7%
0° - 20°	1,797	14.3%
0° - 30°	3,809	30.2%
0° - 40°	6,197	49.2%
0° - 50°	8,553	67.9%
0° - 60°	10,488	83.2%
0° - 70°	11,791	93.6%
0° - 80°	12,446	99.8%
0° - 90°	12,600	100.0%
90° - 180°	0	0.0%
0° - 180°	12,600	100.0%

Cone of Light



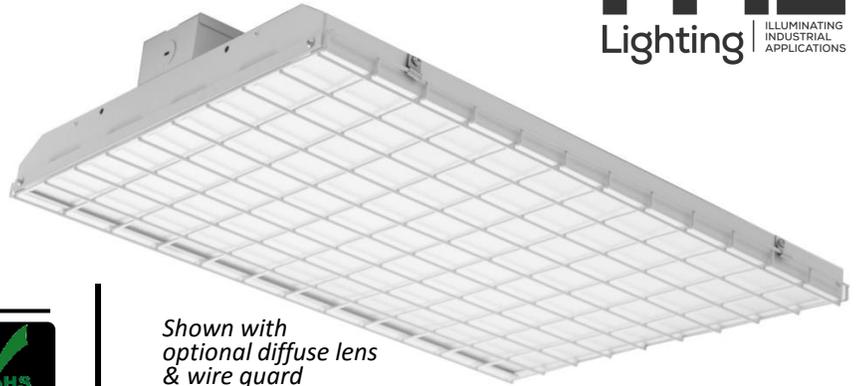
Notes:

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

PDMFHB135 135 Watt Full-Body LED High Bay



Project:	
Type:	
Catalog #:	



Shown with optional diffused lens & wire guard

STANDARD



The PDMFHB135 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 PDMFHB135 provides high levels of durability and 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 temperatures.*
- Long-life LEDs provide 122,000 hours of operation with at least 70% of initial lumen output (L₇₀).**
- Delivers 18,630 lumens (138 lumens per watt, LPW) at 4000k, and 18,900 lumens (140 LPW) at 5000k.*
- Universal 120-277 AC voltage (50-60Hz) is standard. Step-down transformers are required for 347-480V applications.
- 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 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.
 ** L₇₀ hours are IES TM-21-11 calculated hours.

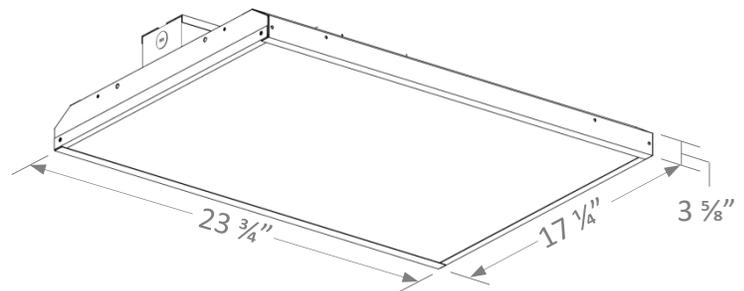
WARRANTY & LISTINGS

- cULus listed for damp locations in ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- DLC premium approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements
- Complies with FCC Part 15, class A.
- 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



Weight: 12.7 lbs.

ORDERING INFORMATION

Example: FLED FHB135-4K-MVDIM + FLED FHB135/140-CRLENS + FLED FHB135/140-WG + FLED FHB-SMK6

Model	Luminaire Watts	Luminaire Lumens	Lumens Per Watt	Color Temperature	Options (Order Separately)
PDMFHB135-4K-MVDIM	135	18,630	138	4K = 4000k	PDMFHB135/140-CRLENS = Clear lens PDMFHB135/140-DIFLENS = Diffuse lens
PDMFHB135-5K-MVDIM	135	18,900	140	5K = 5000k	PDMFHB135/140-WG = Wire-guard kit PDMFHB-SMK6 = Surface-mount kit, 6 LED modules PDMFHB-PMK = Pendant-mount kit PDMFHB-CMK3 = Cable-mounting kit, 3 meters long PDMFHB-CMK5 = Cable-mounting kit, 5 meters long

PDMFHB135 135 Watt Full-Body LED High Bay



ELECTRICAL DATA

Model	Color Temp.	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens/Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
PDMFHB135-4K-MVDIM	4000k	>80	18,630	135	138	120-277	1.13	0.56	0.49	>90%	<20%	122,000
PDMFHB135-5K-MVDIM	5000k	>80	18,900	135	140	120-277	1.13	0.56	0.49	>90%	<20%	122,000

¹ Color rendering index.

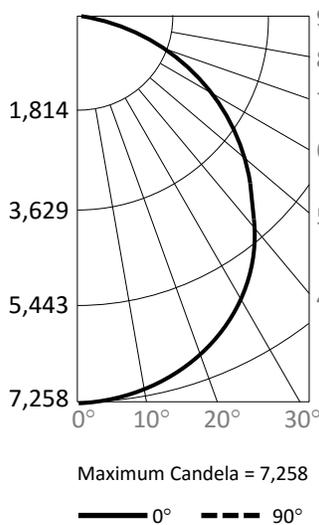
² All 50-60Hz.

³ Total harmonic distortion.

⁴ 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

PDMFHB135-5K-MVDIM (18,900 Lumens)



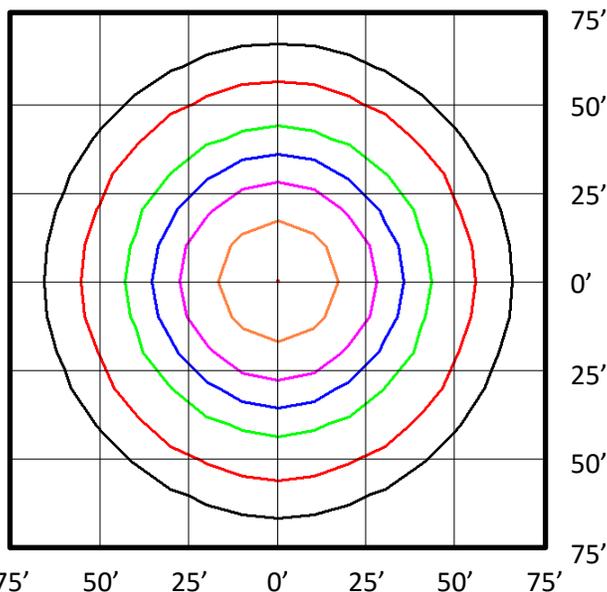
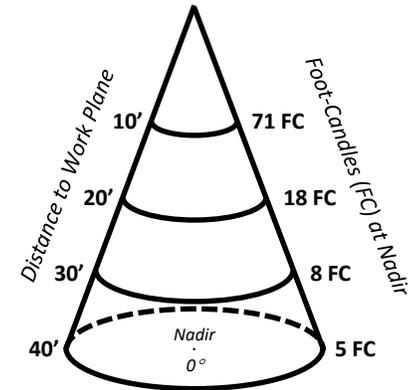
Candlepower Summary

	0°	90°
0°	7,258	7,258
10°	7,133	7,129
20°	6,781	6,751
30°	6,123	6,102
40°	5,158	5,149
50°	3,949	3,892
60°	2,640	2,553
70°	1,464	1,390
80°	542	508
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 10°	687	3.6%
0° - 20°	2,661	14.1%
0° - 30°	5,647	29.9%
0° - 40°	9,206	48.7%
0° - 50°	12,741	67.4%
0° - 60°	15,667	82.9%
0° - 70°	17,651	93.4%
0° - 80°	18,656	98.7%
0° - 90°	18,900	100.0%
90° - 180°	0	0.0%
0° - 180°	18,900	100.0%

Cone of Light



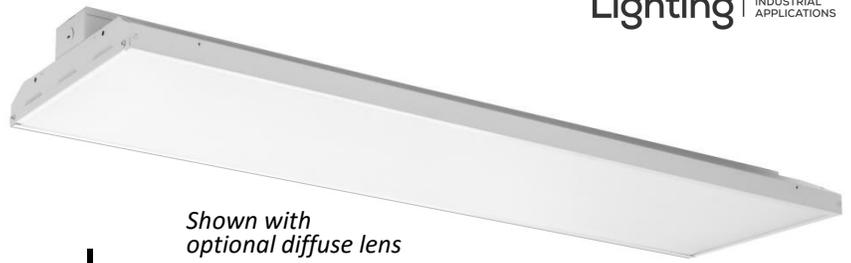
Notes:

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

PDMFHB178 178 Watt Full-Body LED High Bay



Project:	
Type:	
Catalog #:	



STANDARD



The PDMFHB178 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 PDMFHB178 provides high levels of durability and 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 temperatures.*
- Long-life LEDs provide 122,000 hours of operation with at least 70% of initial lumen output (L₇₀).**
- Delivers 24,564 lumens (138 lumens per watt, LPW) at 4000k, and 24,920 lumens (140 LPW) at 5000k.*
- Universal 120-277 AC voltage (50-60Hz) is standard. Step-down transformers are required for 347-480V applications.
- 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 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.
 ** L₇₀ hours are IES TM-21-11 calculated hours.

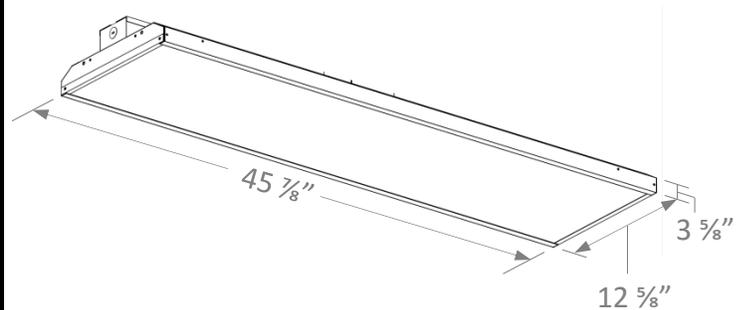
WARRANTY & LISTINGS

- cULus listed for damp locations in ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- DLC premium approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements
- Complies with FCC Part 15, class A.
- 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



Weight: 17.1 lbs.

ORDERING INFORMATION

Example: PDMFHB178-4K-MVDIM + PDMFHB178/180-CRLENS + PDMFHB178/180-WG +PDMFHB-SMK4

Model	Luminaire Watts	Luminaire Lumens	Lumens Per Watt	Color Temperature	Options (Order Separately)
PDMFHB178-4K-MVDIM	178	24,564	138	4K = 4000k	PDMFHB178/180-CRLENS = Clear lens
PDMFHB178-5K-MVDIM	178	24,920	140	5K = 5000k	PDMFHB178/180-DIFLENS = Diffuse lens
					PDMFHB178/180-WG = Wire-guard kit
					PDMFHB-SMK4 = Surface-mount kit, 4 LED modules
					PDMFHB-PMK = Pendant-mount kit
					PDMFHB-CMK3 = Cable-mounting kit, 3 meters long
					PDMFHB-CMK5 = Cable-mounting kit, 5 meters long

PDMFHB178 178 Watt Full-Body LED High Bay



ELECTRICAL DATA

Model	Color Temp.	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens/Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
PDMFHB178-4K-MVDIM	4000k	>80	24,564	178	138	120-277	1.48	0.74	0.64	>90%	<20%	122,000
PDMFHB178-5K-MVDIM	5000k	>80	24,920	178	140	120-277	1.48	0.74	0.64	>90%	<20%	122,000

¹ Color rendering index.

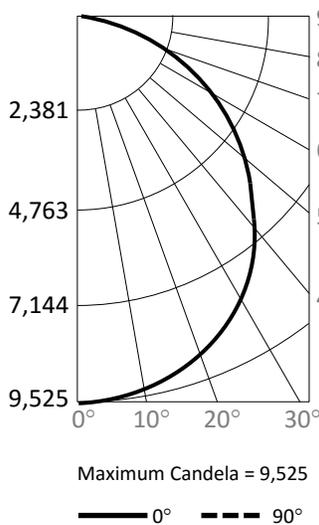
² All 50-60Hz.

³ Total harmonic distortion.

⁴ 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

PDMFHB178-5K-MVDIM (24,920 Lumens)



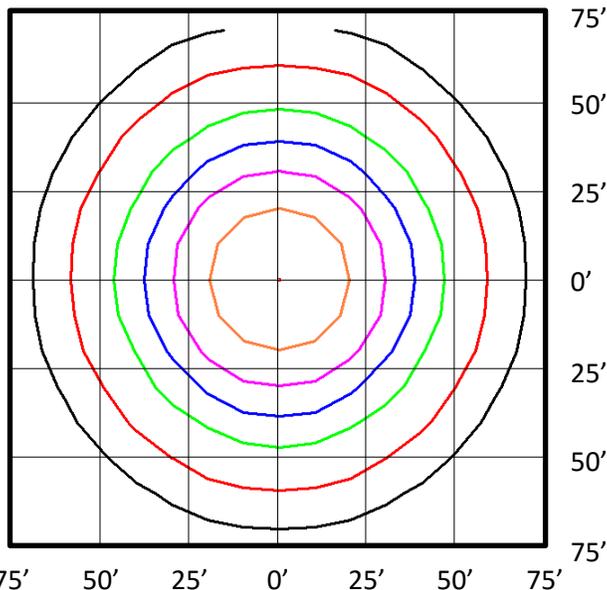
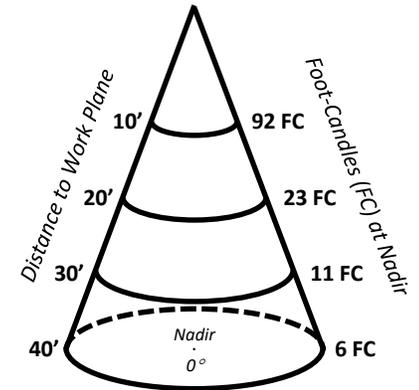
Candlepower Summary

	0°	90°
0°	9,525	9,525
10°	9,346	9,390
20°	8,863	8,894
30°	8,010	8,024
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%

Cone of Light



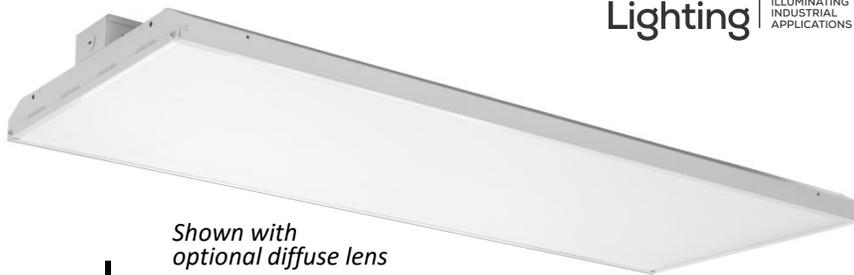
Notes:

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

PDMFHB265 265 Watt Full-Body LED High Bay



Project:	
Type:	
Catalog #:	



Shown with optional diffuse lens

STANDARD



The PDMFHB265 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 PDMFHB265 provides high levels of durability and 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 temperatures.*
- Long-life LEDs provide 122,000 hours of operation with at least 70% of initial lumen output (L₇₀).**
- Delivers 36,570 lumens (138 lumens per watt, LPW) at 4000k, and 37,100 lumens (140 LPW) at 5000k.*
- Universal 120-277 AC voltage (50-60Hz) is standard. Step-down transformers are required for 347-480V applications.
- 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 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.
 ** L₇₀ hours are IES TM-21-11 calculated hours.

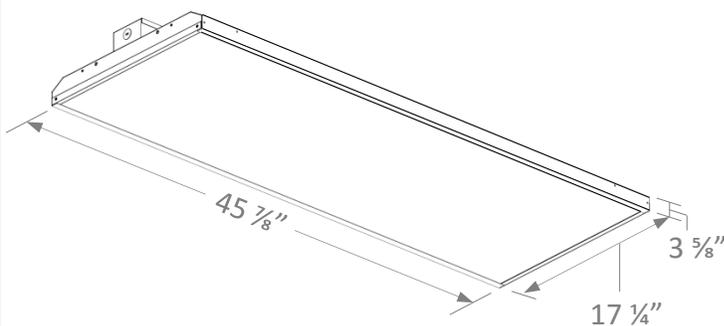
WARRANTY & LISTINGS

- cULus listed for damp locations in ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- DLC premium approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements
- Complies with FCC Part 15, class A.
- 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



Weight: 20.3 lbs.

ORDERING INFORMATION

Example: PDMFHB265-4K-MVDIM + PDMFHB65/275/320-CRLENS + PDMFHB265/275/320-WG + PDMFHBHB-SMK6

Model	Luminaire Watts	Luminaire Lumens	Lumens Per Watt	Color Temperature	Options (Order Separately)
PDMFHB265-4K-MVDIM	265	36,570	138	4K = 4000k	PDMFHB265/275/320-CRLENS = Clear lens PDMFHB265/275/320-DIFLENS = Diffuse lens PDMFHB265/275/320-WG = Wire-guard kit PDMFHBHB-SMK6 = Surface-mount kit, 6 LED modules PDMFHB2-PMK = Pendant-mount kit PDMFHB2-CMK3 = Cable-mounting kit, 3 meters PDMFHB2-CMK5 = Cable-mounting kit, 5 meters
PDMFHB265-5K-MVDIM	265	37,100	140	5K = 5000k	

PDMFHB265 265 Watt Full-Body LED High Bay



ELECTRICAL DATA

Model	Color Temp.	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens/Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
PDMFHB265-4K-MVDIM	4000k	>80	36,570	265	138	120-277	2.21	1.10	0.96	>90%	<20%	122,000
PDMFHB265-5K-MVDIM	5000k	>80	37,100	265	140	120-277	2.21	1.10	0.96	>90%	<20%	122,000

¹ Color rendering index.

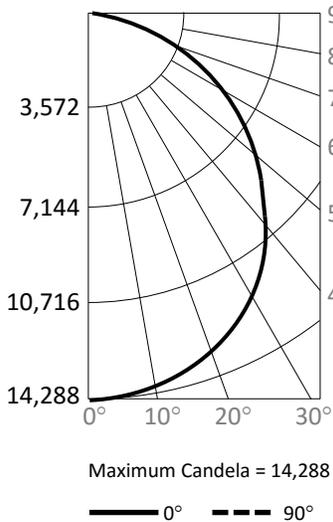
² All 50-60Hz.

³ Total harmonic distortion.

⁴ 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

PDMFHB265-5K-MVDIM (37,100 Lumens)



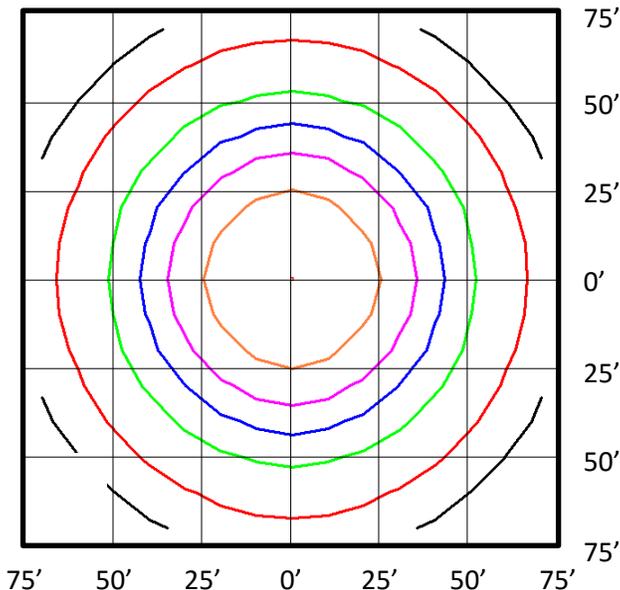
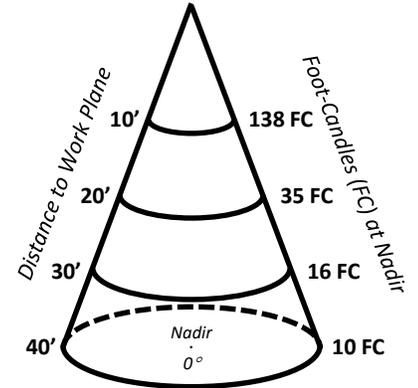
Candlepower Summary

	0°	90°
0°	14,288	14,288
10°	14,004	14,059
20°	13,273	13,258
30°	11,935	11,842
40°	10,084	9,880
50°	7,819	7,499
60°	5,403	5,058
70°	3,102	2,862
80°	1,134	1,047
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	1,352	3.6%
0° – 20°	5,220	14.1%
0° – 30°	11,042	29.8%
0° – 40°	17,918	48.3%
0° – 50°	24,743	66.7%
0° – 60°	30,494	82.2%
0° – 70°	34,518	93.0%
0° – 80°	36,606	98.7%
0° – 90°	37,100	100.0%
90° – 180°	0	0.0%
0° – 180°	37,100	100.0%

Cone of Light



Notes:

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

PDMFHB320 320 Watt Full-Body LED High Bay



Shown with optional diffuse lens



Project:	
Type:	
Catalog #:	

STANDARD



The PDMFHB320 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 PDMFHB320 provides high levels of durability and 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 temperatures.*
- Long-life LEDs provide 122,000 hours of operation with at least 70% of initial lumen output (L₇₀).**
- Delivers 44,298 lumens (138 lumens per watt, LPW) at 4000k, and 44,940 lumens (140 LPW) at 5000k.*
- Universal 120-277 AC voltage (50-60Hz) is standard. Step-down transformers are required for 347-480V applications.
- 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 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.
 ** L₇₀ hours are IES TM-21-11 calculated hours.

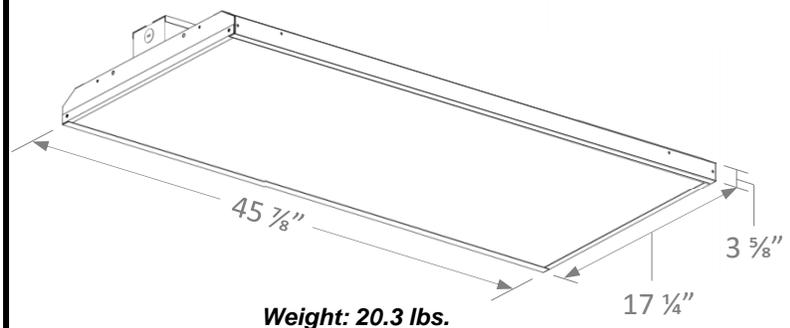
WARRANTY & LISTINGS

- cULus listed for damp locations in ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- DLC premium approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements
- Complies with FCC Part 15, class A.
- 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: PDMFHB320-4K-MVDIM + PDMFHB265/275/320-CRLENS + PDMFHB265/275/320-WG + PDMFHBSMK6

Model	Luminaire Watts	Luminaire Lumens	Lumens Per Watt	Color Temperature	Options (Order Separately)
PDMFHB320-4K-MVDIM	321	44,298	138	4K = 4000k	PDMFHB265/275/320-CRLENS = Clear lens PDMFHB265/275/320-DIFLENS = Diffuse lens
PDMFHB320-5K-MVDIM	321	44,940	140	5K = 5000k	PDMFHB265/275/320-WG = Wire-guard kit PDMFHB-SMK6 = Surface-mount kit, 6 LED modules PDMFHB-PMK = Pendant-mount kit PDMFHB-CMK3 = Cable-mounting kit, 3 meters PDMFHB-CMK5 = Cable-mounting kit, 5 meters

PDMFHB320 320 Watt Full-Body LED High Bay



ELECTRICAL DATA

Model	Color Temp.	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens/Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
PDMFHB320-4K-MVDIM	4000k	>80	44,298	321	138	120-277	2.68	1.34	1.16	>90%	<20%	122,000
PDMFHB320-5K-MVDIM	5000k	>80	44,940	321	140	120-277	2.68	1.34	1.16	>90%	<20%	122,000

¹ Color rendering index.

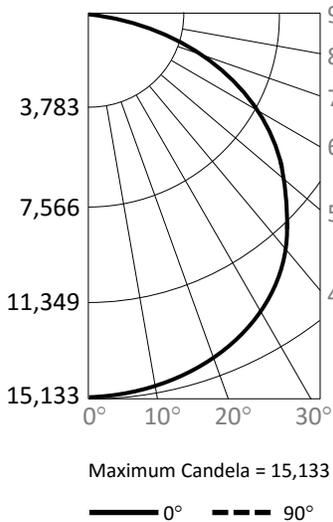
² All 50-60Hz.

³ Total harmonic distortion.

⁴ 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

PDMFHB320-5K-MVDIM (44,940 Lumens)



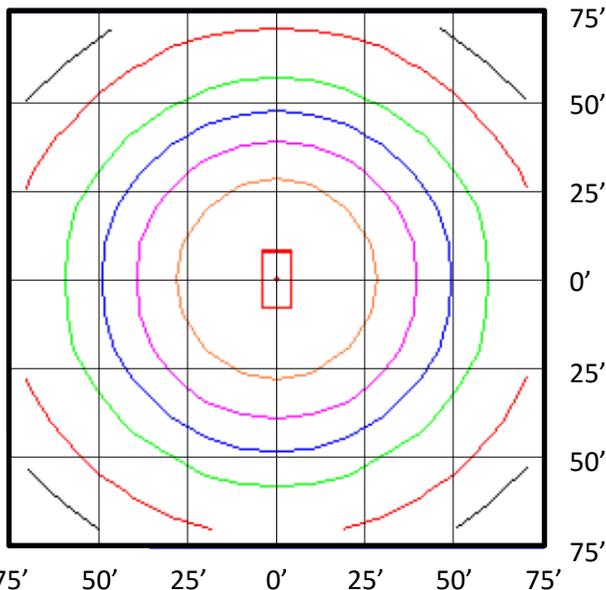
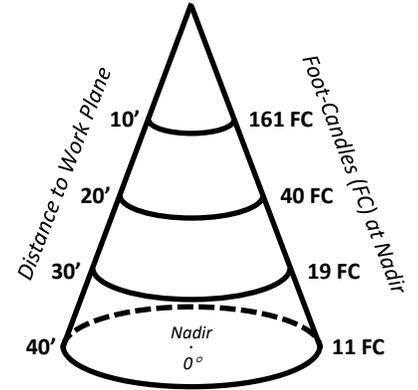
Candlepower Summary

	0°	90°
0°	15,133	15,133
10°	15,006	14,900
20°	14,465	14,300
30°	13,451	13,269
40°	11,946	11,710
50°	9,897	9,688
60°	6,844	7,154
70°	3,873	4,368
80°	985	1,587
90°	26	32

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 10°	1,456	3.2%
0° - 20°	5,662	12.6%
0° - 30°	12,144	27.0%
0° - 40°	20,150	44.8%
0° - 50°	28,619	63.7%
0° - 60°	36,527	80.7%
0° - 70°	41,793	93.0%
0° - 80°	44,484	99.0%
0° - 90°	44,862	99.8%
90° - 180°	78	0.2%
0° - 180°	44,940	100.0%

Cone of Light



Notes:

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

PDMFHB425 425 Watt Full-Body LED High Bay



Project:	
Type:	
Catalog #:	



Shown with optional diffuse lens

STANDARD



The PDMFHB425 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 PDMFHB425 provides high levels of durability and 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 temperatures.*
- Long-life LEDs provide 113,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- Delivers 57,439 lumens (135 lumens per watt, LPW) at 4000k, and 57,451 lumens (135 LPW) at 5000k.*
- Universal 120-277 AC voltage (50-60Hz) is standard. Step-down transformers are required for 347-480V applications.
- 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.

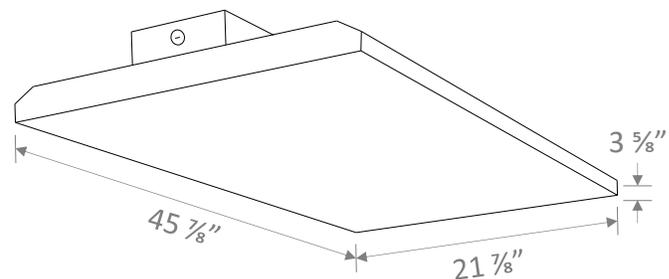
WARRANTY & LISTINGS

- cULus listed for damp locations in ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- DLC premium approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements
- Complies with FCC Part 15, class A.
- 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



Weight: 26.0 lbs.

ORDERING INFORMATION

Example: PDMFHB425-4K-MVDIM + PDMFHB425-CRLENS + PDMFHB425-WG + PDMFHB-SMK8

Model	Luminaire Watts	Luminaire Lumens	Lumens Per Watt	Color Temperature	Options (Order Separately)
PDMFHB425-4K-MVDIM	426	57,439	135	4K = 4000k	PDMFHB425-CRLENS = Clear lens PDMFHB425-DIFLENS = Diffuse lens
PDMFHB425-5K-MVDIM	426	57451	135	5K = 5000k	PDMFHB425-WG = Wire-guard kit PDMFHB-SMK8 = Surface-mount kit, 8 LED modules PDMFHB-PMK = Pendant-mount kit PDMFHB-CMK3 = Cable-mounting kit, 3 meters PDMFHB-CMK5 = Cable-mounting kit, 5 meters

PDMFHB425 425 Watt Full-Body LED High Bay



ELECTRICAL DATA

Model	Color Temp.	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens/Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
PDMFHB425-4K-MVDIM	4000k	>80	57,439	426	135	120-277	3.55	1.78	1.54	>90%	<20%	113,000
PDMFHB425-5K-MVDIM	5000k	>80	57,451	426	135	120-277	3.55	1.78	1.54	>90%	<20%	113,000

¹ Color rendering index.

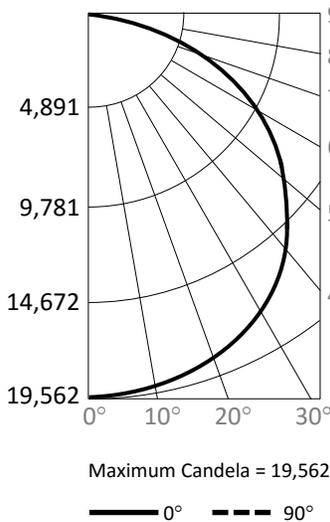
² All 50-60Hz.

³ Total harmonic distortion.

⁴ 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

PDMFHB425-5K-MVDIM (57,451 Lumens)



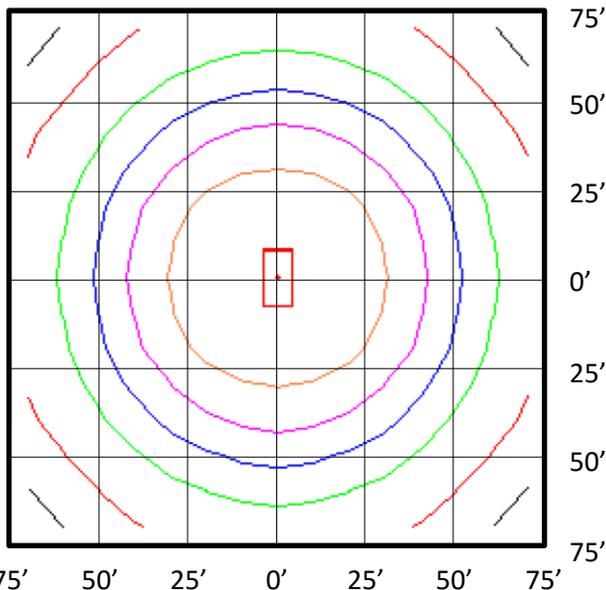
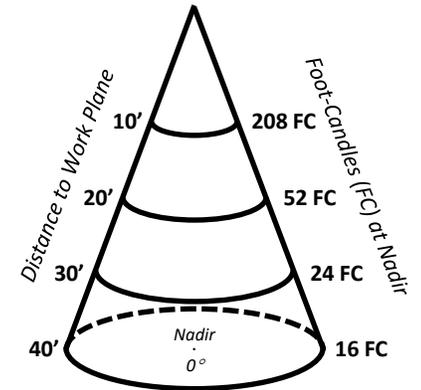
Candlepower Summary

	0°	90°
0°	19,562	19,562
10°	19,311	19,378
20°	18,543	18,611
30°	17,269	17,302
40°	15,178	15,351
50°	12,644	12,675
60°	9,432	8,882
70°	5,758	5,093
80°	2,119	1,162
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	1,838	3.2%
0° – 20°	7,153	12.5%
0° – 30°	15,357	26.7%
0° – 40°	25,496	44.4%
0° – 50°	36,243	63.1%
0° – 60°	46,041	80.1%
0° – 70°	53,252	92.7%
0° – 80°	56,895	99.0%
0° – 90°	57,451	100.0%
90° – 180°	0	0.0%
0° – 180°	57,451	100.0%

Cone of Light



Notes:

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