

Series HBC

LED High Bay Full Body

High efficiency LED engineered for premium performance in medium and high ceiling applications ideally suited for warehouses, manufacturing plants, sports facilities and retail spaces. A precision-formed reflector system available in highly reflective enhanced white reflector achieve maximum light output for ceilings from 15 feet to 40 feet. The unique arrangement is ideal for wide area lighting to put the light exactly where you need it with less fixtures. Based on ceiling height, these fixtures can replace an HID high bay using half of the wattage. Highest quality materials and workmanship.

CONSTRUCTION

Housing is 22 gauge prepainted steel. Air vents surround the drivers in the back of the fixture to maximize LED and driver performance, reliability and life. High reflective enhanced white reflectors are computer designed to maximize photometric performance and put the light where you need it. Access plate in the back makes wiring fast and hassle-free. Back of fixture is designed with built-in mounting holes for tong hanger, chain kit, or aircraft cable gripple kit.

MOUNTING

Designed for pendant, gripple or chain hanging. Mounting holes are provided for simple, fast installation.

TYPICAL OPTIONS & ACCESSORIES

Emergency battery backup, Cord sets, whips, occupancy sensors, Hanging kits, Wire guards. Contact factory for additional options.



DIMENSIONS

24L: 24.056"L x 20.385"W x 3.62"H

48L: 48.056"L x 11.369"W x 3.62"H

(125W and below)

48L: 48.056"L x 20.385"W x 3.62"H

FEATURES & BENEFITS

- A sturdy/durable fixture body with superior appearance and appeal
- Ideal for commercial, retail and industrial applications
- Mounts easily with chain kit or gripple kit
- Protected by an optional wire guard
- Suitable for dry or damp locations
- >50,000 hrs of L70 LED life
- CRI >80
- 0-10 Volt dimmable 120-277V
- Power factor 0.99
- 5 year warranty
- See Page 6 and Page 7 for DLC listed models

DRAWINGS & IMAGES
HBC Drawings



With Wire Guard



HBCL⁴
-Frosted Acrylic Smooth Lens
-Only available for 24"L x 11.385"W and
48"L x 11.385"W Housing
-Must use A10 Reflector

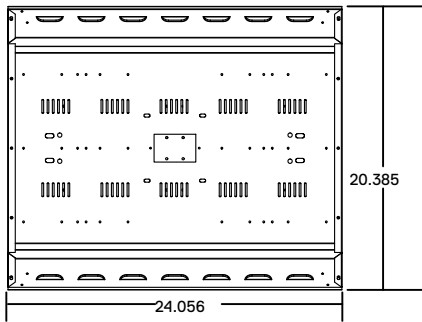


Without Lens

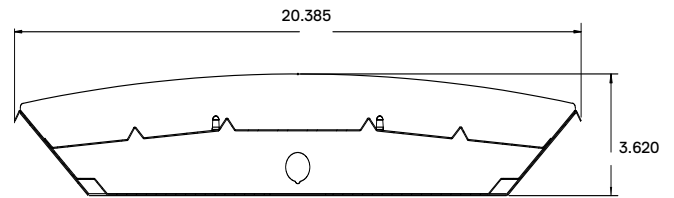


HBCFR⁵
-Frosted Wrap Lens
-Only available for 48"L x 11.385"W Housing
-Must use W30 Reflector

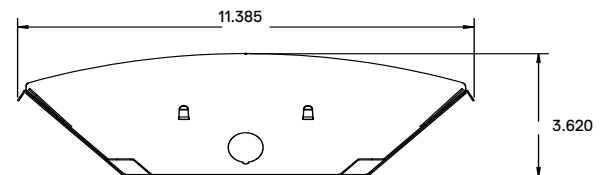
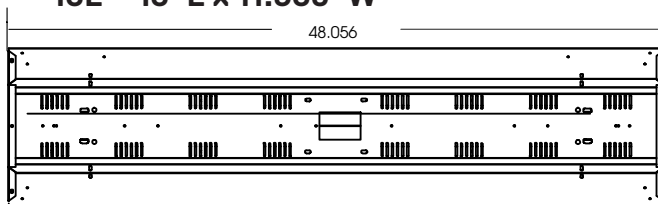
24L - 24.056"L x 20.385"W



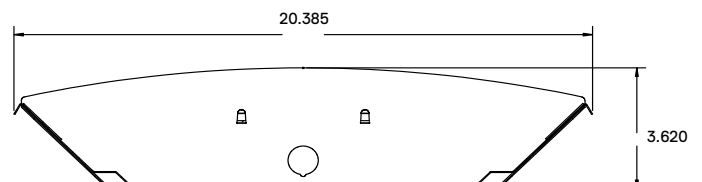
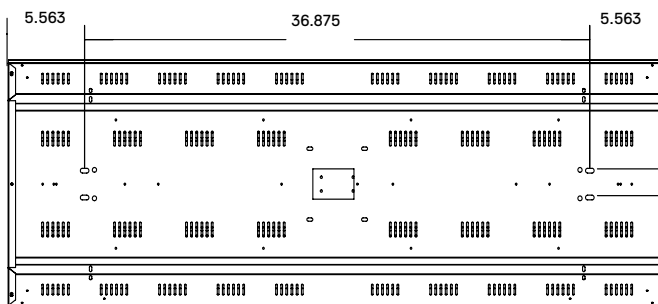
END



48L - 48"L x 11.385"W³



48L - 48"L x 20.385"W⁴



ORDER INFORMATION

SERIES	LENS MATERIAL ¹		SIZES		WATTAGE & LUMENS ¹		REFLECTOR		DRIVER		COLOR	
HBC	Blank	No lens	24L ⁴	24"Lx20.385"W	B65W	65 Watts 10000 Lumens	A10 ⁴	Aluminum Reflector	DMV 120V-277V 0-10V Dimming DHV 347-480V	30K	3000K	
	L ⁴	Frosted Smooth Acrylic			B95W	95 Watts 14437 Lumens				35K	3500K	
					B125W	125 Watts 20000 Lumens				40K	4000K	
	DFFR	Door Frame w/Frosted Lens			B165W	165 Watts 25000 Lumens				50K	5000K	
	FR ³	Frosted Wrap Lens			B185W	185 Watts 28390 Lumens						
			48L ³	48"Lx11.385"W	Y65W	65 Watts 10000 Lumens	W30 ³	White Steel Reflector				
					Y95W	95 Watts 15000 Lumens						
					Y125W	125 Watts 20000 Lumens						
	48L ⁴	48"Lx20.385"W	B162W	162 Watts 26000 Lumens	A10 ⁴	Aluminum Reflector						
			B190W	190 Watts 30000 Lumens								
			B215W	215 Watts 35519 Lumens								
			B260W	260 Watts 41572 Lumens								
			B285W	285 Watts 45000 Lumens								
			B320W	320 Watts 51177 Lumens								

OPTIONS		ACCESSORIES	
MDT4	Occupancy Sensor Wide Angle	WG	Wire Guard
MDF4	Occupancy Sensor and Daylight	5HBD	Single point stem mount kit
MDT4480	Occupancy Sensor Wide Angle 480 Volt	HC101	Chain kit with 20' chain and (4) S Hooks
CS8515P	5-15P 120V 8ft Cord & Plug	HC204	Chain kit with (2) 10' chain and (2) Tong hangers
CS81715P	L7-15P 277V 8ft Cord & Plug	GT310	Gripple 10' Cable Hanger - 2/pack
CS8	8ft Cord No Plug	GT315	Gripple 15' Cable Hanger - 2/pack
WP	6ft 3 Wire, Whip		
WP64W	6ft 4 Wire, Whip		
EM14	14W, 90 mins, 120-277VAC		
LSXR610(xx)	Occupancy Sensor (Full On and Steps to XX% Level)		

¹ Programmable LED drivers allow custom configured wattages and corresponding lumens.

² Estimate 10%-15% lumen output loss with Lens.

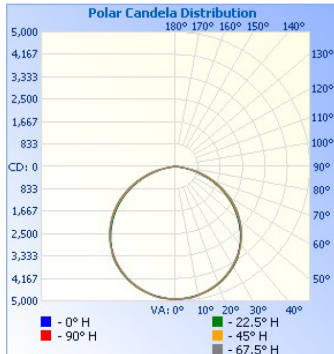
³ FR - Frosted Wrap Lens, only available for 48L - 48"L x 11.385"W housing, must use W30 Reflector.

⁴ L - Frosted Smooth Acrylic lens option, only available for 24L - 24"L x 20.385"W and 48L - 48"L x 20.385"W housing, must use A10 Reflector.

NOTE: Values shown are typical or recorded under standardized conditions at 25°C. Actual performance may vary based environment or application. Specifications are subject to change without notice. We reserve the right to change design, materials, LED's and finish in any way that will not alter installed appearance or reduce function and performance.

PHOTOMETRIC

HBC24LB95WDMV30K

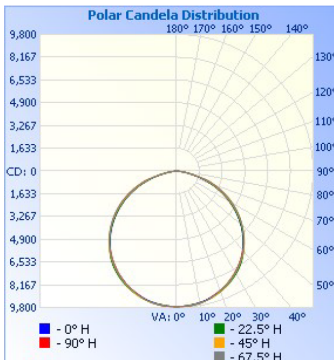


Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	3,874.8	26.8%
0-40	6,403.9	44.4%
0-60	11,479.7	79.5%
60-90	2,953.4	20.5%
70-100	1,137.5	7.9%
90-120	3.8	0%
0-90	14,433.2	100%
90-180	3.8	0%
0-180	14,436.9	100%

Illuminance at a Distance		
	Center Beam fc	Beam Width
1.7ft	1,704 fc	5.3 ft 5.5 ft
3.3ft	452 fc	10.2 ft 10.7 ft
5.0ft	197 fc	15.5 ft 16.3 ft
6.7ft	110 fc	20.7 ft 21.8 ft
8.3ft	71.5 fc	25.7 ft 27.0 ft
10.0ft	49.3 fc	31.0 ft 32.5 ft

Vert. Spread: 114.3°
Horiz. Spread: 116.8°

HBC24LB185WDMV30K

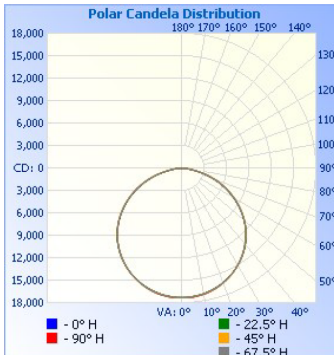


Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	7,659.9	27%
0-40	12,653.0	44.6%
0-60	22,661.6	79.8%
60-90	5,721.1	20.2%
70-100	2,146.8	7.6%
90-120	7.0	0%
0-90	28,382.7	100%
90-180	7.0	0%
0-180	28,389.7	100%

Illuminance at a Distance		
	Center Beam fc	Beam Width
1.7ft	3,363 fc	5.3 ft 5.5 ft
3.3ft	893 fc	10.3 ft 10.7 ft
5.0ft	389 fc	15.5 ft 16.2 ft
6.7ft	217 fc	20.8 ft 21.7 ft
8.3ft	141 fc	25.8 ft 26.8 ft
10.0ft	97.2 fc	31.1 ft 32.3 ft

Vert. Spread: 114.5°
Horiz. Spread: 116.5°

HBC48LB320WDMV30K



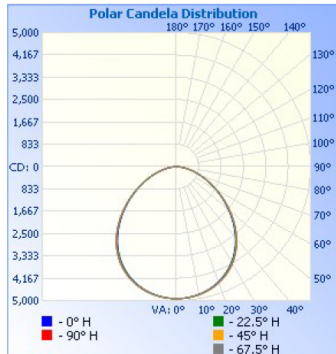
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	13,625.6	26.6%
0-40	22,511.8	44%
0-60	40,520.1	79.2%
60-90	10,651.4	20.8%
70-100	4,100.0	8%
90-120	5.0	0%
0-90	51,171.5	100%
90-180	5.0	0%
0-180	51,176.5	100%

Illuminance at a Distance		
	Center Beam fc	Beam Width
1.7ft	5,995 fc	5.5 ft 5.5 ft
3.3ft	1,591 fc	10.6 ft 10.7 ft
5.0ft	693 fc	16.1 ft 16.2 ft
6.7ft	386 fc	21.5 ft 21.7 ft
8.3ft	251 fc	26.7 ft 26.9 ft
10.0ft	173 fc	32.1 ft 32.5 ft

Vert. Spread: 116.2°
Horiz. Spread: 116.7°

PHOTOMETRIC

HBCL24LB95WDMV30K

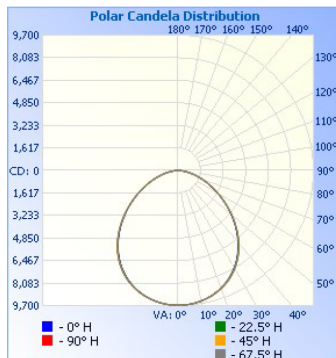


Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	3,828.2	30.2%
0-40	6,219.5	49%
0-60	10,486.5	82.6%
60-90	2,199.7	17.3%
70-100	892.3	7%
90-120	2.6	0%
0-90	12,686.2	100%
90-180	2.6	0%
0-180	12,688.9	100%

Illuminance at a Distance		
	Center Beam fc	Beam Width
1.7ft	1,704 fc	4.2 ft 4.3 ft
3.3ft	452 fc	8.2 ft 8.4 ft
5.0ft	197 fc	12.4 ft 12.7 ft
6.7ft	110 fc	16.6 ft 17.0 ft
8.3ft	71.5 fc	20.5 ft 21.0 ft
10.0ft	49.3 fc	24.7 ft 25.3 ft

■ Vert. Spread: 102.1°
■ Horiz. Spread: 103.4°

HBCL24LB185WDMV30K

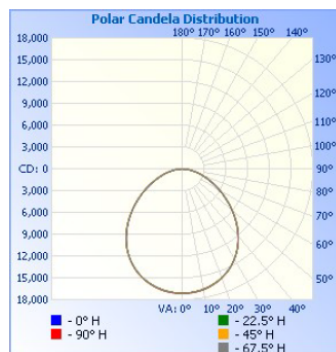


Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	7,497.2	30.3%
0-40	12,161.0	49.2%
0-60	20,457.4	82.7%
60-90	4,271.0	17.3%
70-100	1,732.3	7%
90-120	5.3	0%
0-90	24,728.4	100%
90-180	5.3	0%
0-180	24,733.7	100%

Illuminance at a Distance		
	Center Beam fc	Beam Width
1.7ft	3,345 fc	4.2 ft 4.2 ft
3.3ft	888 fc	8.1 ft 8.2 ft
5.0ft	387 fc	12.3 ft 12.4 ft
6.7ft	215 fc	16.5 ft 16.7 ft
8.3ft	140 fc	20.5 ft 20.7 ft
10.0ft	96.7 fc	24.7 ft 24.9 ft

■ Vert. Spread: 102.0°
■ Horiz. Spread: 102.4°

HBCL48LB320WDMV30K



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	13,285.7	29.9%
0-40	21,581.5	48.6%
0-60	36,484.1	82.2%
60-90	7,881.0	17.8%
70-100	3,260.2	7.3%
90-120	15.4	0%
0-90	44,365.1	100%
90-180	15.4	0%
0-180	44,380.6	100%

Illuminance at a Distance		
	Center Beam fc	Beam Width
1.7ft	5,924 fc	4.3 ft 4.3 ft
3.3ft	1,572 fc	8.3 ft 8.3 ft
5.0ft	685 fc	12.6 ft 12.6 ft
6.7ft	381 fc	16.8 ft 16.9 ft
8.3ft	248 fc	20.9 ft 20.9 ft
10.0ft	171 fc	25.1 ft 25.2 ft

■ Vert. Spread: 103.0°
■ Horiz. Spread: 103.2°

DLC Listed Items - HBC



Item Number	Item Number
HBC24LB65WA10DHV30Koooo	HBC24LB65WA10DMV30Koooo
HBC24LB65WA10DHV40Koooo	HBC24LB65WA10DMV40Koooo
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DLC Listed Items - HBCL (with "L-Lens" option)



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