

HBF SELECTABLE HIGH BAY

LED Round High Bay with Selectable CCT and Lumen

Introduction

- ◆ Available in three sizes, the HBF UFO high bay offers three selectable wattage and two CCT, making it versatile enough to handle countless applications.
- ◆ HBF offers two levels of efficiency, 150lm/w as standard and 170lm/w for high efficiency version.
- ◆ Standard with 0-10V sensor port, for quick plug and play install sensor. This expansion port also support install optional Zhage base. The fixture is DLC LLLC listed also compatible with NLC system.
- ◆ Fixture comes standard with a G hanging hook, also the O hook, U bracket and Pendant mount adapter are available as accessories.
- ◆ IP65 and NEMA 4X rated products, suitable for commercial and industrial, especially heavy duty applications.

Product Specifications

Construction:

- ◆ Die-casting aluminum housing and heatsink for added durability.

Electrical:

- ◆ 0-10v dimmable driver, which can dim from 100% down to off.
- ◆ The Input voltage is AC120-277V/AC120-347V/AC277-480V (50/60Hz).
120-277V: 100W-240W models designed to withstand up to L/N-PE: 6kV, L-N: 4kV surge; 310W model up to L/N-PE: 6kV, L-N: 6kV surge.
120-347V: 100W-310W withstand up to L/N-PE: 6kV, L-N: 6kV surge.
277-480V: 100W-240W withstand up to L/N-PE: 4kV, L-N: 4kV surge; 310W model up to L/N-PE: 10kV, L-N: 6kV surge.
- ◆ Flicker-free.
- ◆ 5ft (59") long power and 1ft (12") long dimming cord provided for easier installation.

Finish:

- ◆ Black color is standard, White and customized color are available.



Optics:

- ◆ Selectable CCT 4000K or 5000K (Default setting), CRI >80.
- ◆ Three distributions are available, Narrow, Medium (Standard) and Wide.

Mounting:

- ◆ Comes standard with G hook, O hook, U bracket, and 3/4" NPS Threaded Pendant mount adapter are available. Safety Hanging kit is optional.

Ambient Temperature:

- ◆ -40° F (-40° C) to 113° F (45° C)

Ordering Guide

EXAMPLE: X-HBF150W-XXK80AA-XXXY

Brand X	Product Name HBF	Wattage XXXW	CCT XXK	CRI 80	Input Voltage AA	Sensor XXX	Efficiency Y
LD	HBF	100W 150W 240W 310W (150/120/100)W ¹ (240/200/180)W ² (310/270/240)W ³	40K=4000K 50K=5000K (40/50)K=4000/5000K ⁴	80=CRI80	LV=AC120-277V/ AC120-347V ⁵ HV= AC277-480V	Blank=without Sensor SW=Microwave Motion Sensor SWN=Networking Wireless Control version Microwave Motion Sensor SP=PIR Sensor SPN=Networking Wireless Control version PIR Sensor	C=General Light Efficiency ⁶ H=High Light Efficiency ⁷

Note: 1. (150/120/100)W=150W, 120W, 100W Selectable, 150W default setting.
2. (240/200/180)W=240W, 200W, 180W Selectable, 240W default setting.
3. (310/270/240)W=310W, 270W, 240W Selectable, 310W default setting.
4. (40/50)K=4000K, 5000K Selectable, 5000K default setting.

5. The Input Voltage AC120-277V is for US Market, AC120-347V is for Canada Market only.
6. C=150lm/w General Light Efficiency.
7. H=170lm/w High Light Efficiency. The HBF series with CCT Selectable does not have a high light efficiency option.

Performance Data

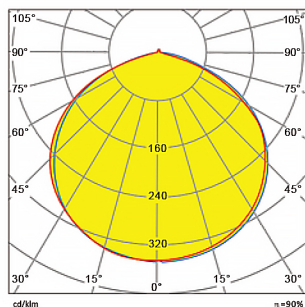
General Light Efficiency

Input Voltage	Level	Lumen Selectable	CCT	Wattage Selectable	Nominal Lumens	CCT Watts	LPW	CRI
AC120-277V/ AC120-347V 50/60Hz	1	Yes	4000K	Yes	16,450	100	164	>80
			5000K		16,210	100	162	
	2		4000K		19,470	120	162	
			5000K		19,190	120	160	
	3		4000K		23,340	150	156	
			5000K		23,000	150	153	
AC120-277V/ AC120-347V 50/60Hz	1	Yes	4000K	Yes	29,190	180	162	>80
			5000K		28,670	180	159	
	2		4000K		31,860	200	159	
			5000K		31,290	200	156	
	3		4000K		37,170	240	155	
			5000K		36,500	240	152	
AC120-277V/ AC120-347V 50/60Hz	1	Yes	4000K	Yes	37,640	240	157	>80
			5000K		36,820	240	153	
	2		4000K		41,900	270	155	
			5000K		40,990	270	152	
	3		4000K		48,040	310	155	
			5000K		47,000	310	152	
AC120-277V/ AC120-347V 50/60Hz	1	Yes	4000K	No	15,890	100	159	>80
			5000K		15,990	100	160	
	2		4000K		18,570	120	155	
			5000K		18,680	120	156	
	3		4000K		23,100	150	154	
			5000K		23,100	150	154	
AC120-277V/ AC120-347V 50/60Hz	1	Yes	4000K	No	27,660	180	154	>80
			5000K		28,130	180	156	
	2		4000K		30,460	200	152	
			5000K		30,980	200	155	
	3		4000K		36,300	240	151	
			5000K		36,300	240	151	
AC120-277V/ AC120-347V 50/60Hz	1	Yes	4000K	No	37,310	240	155	>80
			5000K		37,830	240	158	
	2		4000K		41,150	270	152	
			5000K		41,730	270	155	
	3		4000K		47,300	310	153	
			5000K		47,300	310	153	
AC277-480V 50/60Hz	Not adjustable	No	4000K	No	15,300	100	153	>80
			5000K		15,300	100	153	
AC277-480V 50/60Hz	Not adjustable	No	4000K	No	18,500	120	154	>80
			5000K		18,500	120	154	
AC277-480V 50/60Hz	Not adjustable	No	4000K	No	22,500	150	150	>80
			5000K		22,500	150	150	
AC277-480V 50/60Hz	Not adjustable	No	4000K	No	31,000	200	155	>80
			5000K		31,000	200	155	
AC277-480V 50/60Hz	Not adjustable	No	4000K	No	36,200	240	151	>80
			5000K		36,200	240	151	
AC277-480V 50/60Hz	Not adjustable	No	4000K	No	47,000	310	152	>80
			5000K		47,000	310	152	

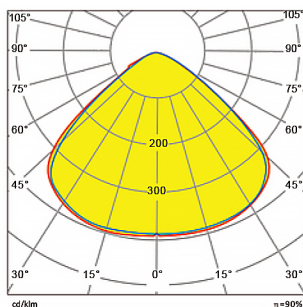
High Light Efficiency

Input Voltage	Level	Lumen Selectable	CCT	Wattage Selectable	Nominal Lumens	CCT Watts	LPW	CRI
AC120-277V/ AC120-347V 50/60Hz	1	Yes	4000K	No	17,950	100	179	>80
			5000K		18,120	100	181	
	2		4000K		21,160	120	176	
			5000K		21,350	120	178	
	3		4000K		26,000	150	173	
			5000K		26,000	150	173	
AC120-277V/ AC120-347V 50/60Hz	1	Yes	4000K	No	31,100	180	173	>80
			5000K		31,290	180	174	
	2		4000K		34,500	200	173	
			5000K		34,700	200	174	
	3		4000K		41,300	240	172	
			5000K		41,300	240	172	
AC120-277V/ AC120-347V 50/60Hz	1	Yes	4000K	No	42,040	240	175	>80
			5000K		42,360	240	177	
	2		4000K		46,930	270	174	
			5000K		47,180	270	175	
	3		4000K		53,400	310	172	
			5000K		53,400	310	172	

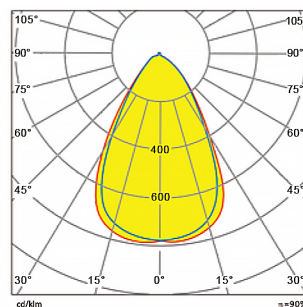
Photometrics



Wide

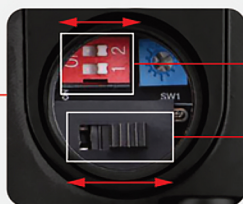


Medium (Standard)



Narrow

Power Select on And CCT Select on Capability



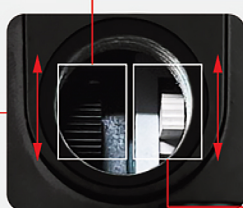
Power

Adjust power between 150/120/100W, 150W default
or Adjust power between 240/200/180W, 240W default



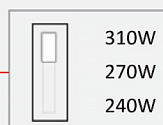
CCT

Adjust CCT between 4000/5000K, 5000K default



CCT

Adjust CCT between 4000/5000K, 5000K default



Power

Adjust power between 310/270/240W, 310W default

Accessories

Sensor

Factory-Installable OR Field-Installable (field-installable purchased separately)



HDO9VR-PH
Screw-in PIR Sensor



HDO9VR-PHB
Screw-in PIR Sensor
(Networking Wireless Control Version)

Field-Installable / Field-Use ONLY (purchased separately)

	HD06R Remote Control
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Adapter

Field-Installable (field-installable purchased separately)

	X3PTZ10ZGA-WA Zhaga Adapter for 3-pin Reverse to Z10 Zhaga
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Emergency Battery Backup

Factory-Installable OR Field-Installable (field-installable purchased separately)

	XEBB01-25WAC Emergency Battery Backup EMUFO-25170-YY II -25W/90min, for X-HBF-100W~150W, at AC120-277/347V		XEBB02-40WAC Emergency Battery Backup EMUFO-40170-YY II -40W/90min, for X-HBF-200W~310W, at AC120-277/347V
	XEBB18-40WACHV Emergency Battery Backup EMUFO-40500DI-YY -40W/90min, for X-HBF-100W~310W, at AC277-480V		

Mounts and Brackets

Field-Installable (field-installable purchased separately)

	XUB-HBA-B Small Size U Bracket for X-HBF-100W~240W		XUBC-HBC-B Large Size U Bracket for X-HBF-310W
	XSR-0.3M 0.3m Safety Rope		XSSHCC-0.5M 0.5m Stainless Steel Hang Chains with 2pcs Carabiner
	XWEM10TENPS3/4A-RHB External Threads M10 to External Threads 3/4"NPS Adapter Wiring for X-HBF-100W~240W		

Refractor

Field-Installable (field-installable purchased separately)

	XPCR-HBS Small Size (16.22x5.91") Polycarbonate Refractor for X-HBF-100W~150W		XPCR-HBL Large Size (16.22x5.71") Polycarbonate Refractor for X-HBF-200W~310W
	XPCRDH-HBS Small Size (16.22x7.36") Polycarbonate Refractor with Drop Lens for X-HBF-100W~150W		XPCRDH-HBL Large Size (16.22x7.17") Polycarbonate Refractor with Drop Lens X-HBF-200W~310W

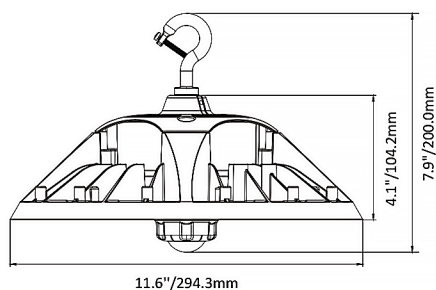
Electrical Data

Wattage(W)	Current (A)					
	Input Voltage (V)					
	120	208	240	277	347	480
100	0.93	0.53	0.46	0.40	0.32	N.A
120	1.11	0.64	0.56	0.48	0.38	N.A
150	1.39	0.80	0.69	0.60	0.48	N.A
180	1.67	0.96	0.83	0.72	0.58	N.A
200	1.85	1.07	0.93	0.80	0.64	N.A
240	2.22	1.28	1.11	0.96	0.77	N.A
240	2.22	1.28	1.11	0.96	0.77	N.A
270	2.50	1.44	1.25	1.08	0.86	N.A
310	2.87	1.66	1.44	1.24	0.99	N.A
100	0.93	0.53	0.46	0.40	0.32	0.23
120	1.11	0.64	0.56	0.48	0.38	0.28
150	1.39	0.80	0.69	0.60	0.48	0.35
200	1.85	1.07	0.93	0.80	0.64	0.46
240	2.22	1.28	1.11	0.96	0.77	0.56
310	2.87	1.66	1.44	1.24	0.99	0.72

Dimensions

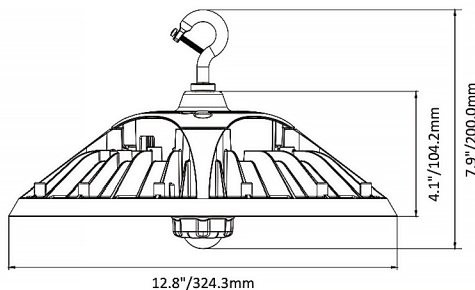
(150/120/100)W

(AC120-277/347V)



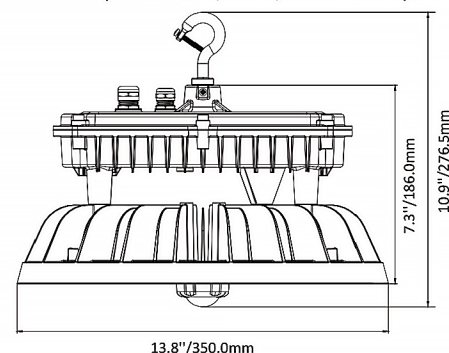
(240/200/180)W

(AC120-277/347V)



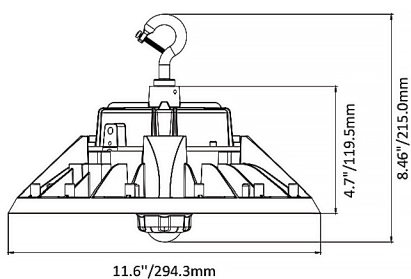
(310/270/240)W

(AC120-277/347V, AC277-480V)



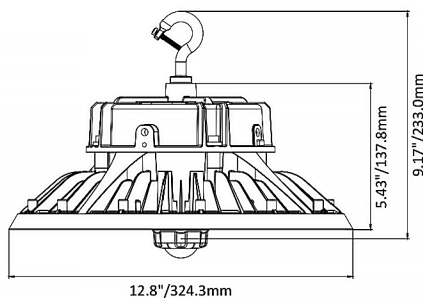
150W

(AC277-480V)



240W

(AC277-480V)



Shipping Information

Carton Size (in)	G.W. (lbs)	Per carton (pcs)	20GP (pcs)	40HQ (pcs)
13.58 x 13.58 x 5.71	5.89	1	1,306	3,591
14.96 x 14.96 x 5.71	7.52	1	1,108	3,047
16.14 x 16.14 x 9.25	10.67	1	594	1,635
13.58 x 13.58 x 6.30	6.28	1	1,224	3,367
13.58 x 13.58 x 6.30	6.28	1	1,224	3,367
13.58 x 13.58 x 6.30	6.28	1	1,224	3,367
14.96 x 14.96 x 7.09	9.08	1	923	2,539
14.96 x 14.96 x 7.09	9.08	1	923	2,539
16.14 x 16.14 x 9.25	10.93	1	594	1,635