

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 Zhagebase. 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-XXXK80AA-XXX

Brand X	Product Name HBF	Wattage XXXW	CCT XXXK	CRI 80	Input Voltage AA	Sensor XXX	Efficiency Y
XSX	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

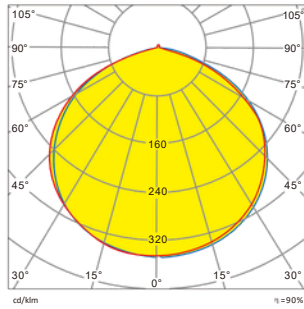
Input Voltage	Level	Lumen Selectable	Wa age CCT	Wa age Selectable	Nominal Lumens	CCT Wa s	LPW	CRI
AC120-277V/ AC120-347V 50/60Hz	1	Yes	4000K	Yes	16,450	100	164	>80
			5000K		16,210	100	162	
	4000K		19,470		120	162		
	5000K		19,190		120	160		
	4000K		23,340		150	156		
	5000K		23,000		150	153		
AC120-277V/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

50/60Hz

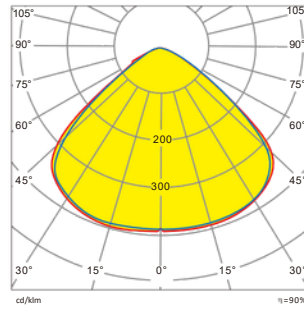
High Light Efficiency

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

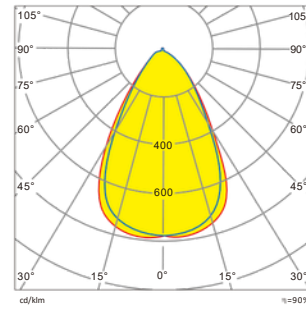
Photometrics



Wide

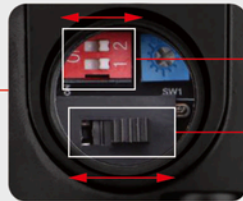


Medium (Standard)



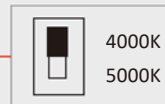
Narrow

Power Selec on And CCT Selec on Capability



Power Se ng

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



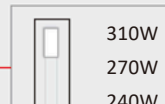
CCT Se ng

Adjust CCT between 4000/5000K, 5000K default se ng.



CCT Se ng

Adjust CCT between 4000/5000K, 5000K default se ng.



Power Se ng

Adjust power between 310/270/240W, 310W default se ng.

Accessories

Sensor

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




HD09VR-PH
Screw-in PIR Sensor



HD09VR-PHB
Screw-in PIR Sensor
(Networking Wireless Control Version)

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

	<p>HD06R Remote Control</p>
---	--




Adapter

Field-Installable (field-installable purchased separately)

	<p>X3PTZ10ZGA-WA Zhaga Adapter for 3-pin Reverse to Z10 Zhaga</p>
---	--

Emergency Battery Backup

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

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

Mounts and Brackets

Field-Installable (field-installable purchased separately)

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

Reflector

Field-Installable (field-installable purchased separately)

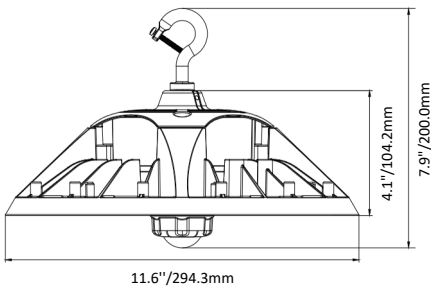
	<p>XPCR-HBS Small Size (16.22x5.91") Polycarbonate Refractor for X-HBF-100W~150W</p>		<p>XPCR-HBL Large Size (16.22x5.71") Polycarbonate Refractor for X-HBF-200W~310W</p>
	<p>XPCRDL-HBS Small Size (16.22x7.36") Polycarbonate Refractor with Drop Lens for X-HBF-100W~150W</p>		<p>XPCRDL-HBL Large Size (16.22x7.17")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

Electrical Data

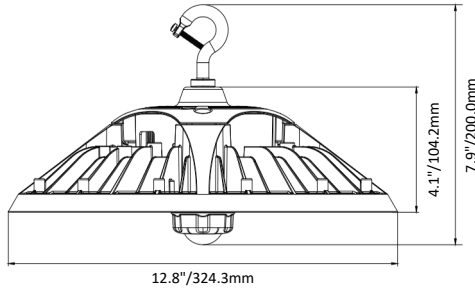
Wa age(W)	Current (A)					
	Input Voltage (V)					
	120	208	240	277	347	480
100	0.93	0.53	0.46	0.40	0.32	N.A
120	1.11	0.64	0.56	0.48	0.38	N.A
150	1.39	0.80	0.69	0.60	0.48	N.A
180	1.67	0.96	0.83	0.72	0.58	N.A
200	1.85	1.07	0.93	0.80	0.64	N.A
240	2.22	1.28	1.11	0.96	0.77	N.A
240	2.22	1.28	1.11	0.96	0.77	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

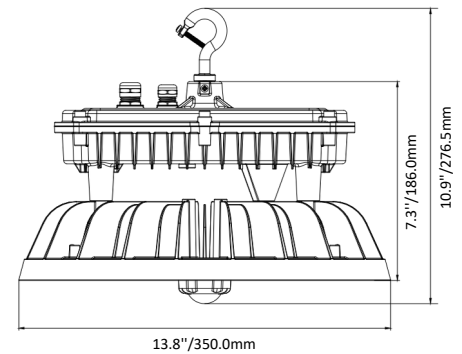
(150/120/100)W
(AC120-277/347V)



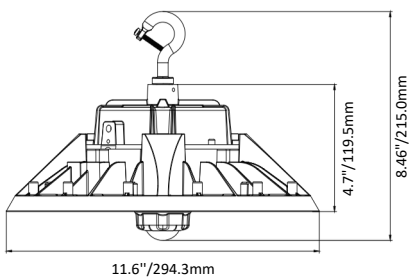
(240/200/180)W
(AC120-277/347V)



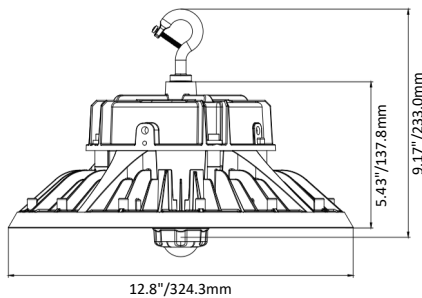
(310/270/240)W
(AC120-277/347V, AC277-480V)



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

Note: The packaging data can sometimes be outdated or incomplete. For the most reliable information, please reach out to us directly.