

VHBF Selectable High Bay

LED Round High Bay with Selectable CCT and Lumen



Introduction

- ◆ Available in three sizes, the VHBF 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 with Bluetooth control sensor supports LLC of HSE Smart Inc(Product ID: N-WPYM0L) and Litetrace (Product ID: N-BYH6ZO).
- ◆ 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 continuous dimmable driver, which can dim from 100% down to off.
- ◆ The Input voltage is 120-277VAC/120-347VAC/277-480VAC (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 upto L/N-PE: 6kV, L-N: 6kV surge.
277-480V: 100W-240W withstand upto L/N-PE: 4kV, L-N: 4kV surge; 310W model up to L/N-PE: 10kV, L-N: 6kV surge.
- ◆ Flicker-free.
- ◆ 5L (59") long power and 1L (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.

Control:

- ◆ The 3-pin screw-in base comes as standard, while the sensor is optional.

Ambient Temperature:

- ◆ -40° F (-40° C) to 113° F (45° C)

Compliances:

- ◆ cULus listed for wet locations.
- ◆ DLC® (DesignLights Consortium) Qualified.

Ordering Guide

EXAMPLE: XHBF150WSCSDUVBCXZ

Brand	Product Name HBF	Wattage ¹ XXX	CCT ² YYY	Input Voltage ³ AA	Finish ⁴ ZZ	Sensor X	Efficiency Z
VE	VHBF	100W 150W 240W 310W 150WS=150/120/100W 240WS=240/200/180W 310WS=310/270/240W Note: WS=Wattages Selectable	40K=4000K 50K=5000K CSD=4000/5000K Note: CSD=CCT Selectable	UV=120-277/347VAC HV=277-480VAC	BC=Black color WC=White color DC=Dark Bronze color SC=Silvery color GC=Green color OC=Other color	Blank=without Sensor SD=Daylight Sensor SW=Microwave Motion Sensor SWN=Networking Wireless Control version Microwave Motion Sensor S=PIR Sensor BS=Networking Wireless Control version PIR Sensor	G=General Light Efficacy H=High Light Efficacy

Note: 1.150WS=150W, 120W, 100W Selectable, 150W default setting. 240WS=240W, 200W, 180W Selectable, 240W default setting. 310WS=310W, 270W, 240W Selectable, 310W default setting. 2.CSD=4000K, 5000K Selectable, 5000K default setting.

3.The Input Voltage 120-277VAC is for US Market, 120-347VAC is for Canada Market only.

4.Finishes in grey text are custom colors. For orders, please contact us in advance.



Performance Data

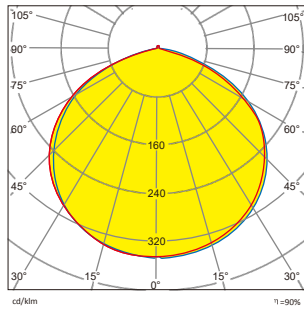
General Light Efficiency

Model Number	Input Voltage	Lumen Level	Wattage Selectable	Nominal CCT	CCT Selectable	Lumens	Watts	LPW	CRI
VHBF150WSCSDUVZZXG	120-277VAC/ 120-347VAC 50/60Hz	1	Yes	4000K	Yes	16,800	100	168	>80
				5000K		16,650	100	167	
		2		4000K		20,000	120	167	
				5000K		19,800	120	165	
		3		4000K		24,250	150	162	
				5000K		23,800	150	159	
VHBF240WSCSDUVZZXG	120-277VAC/ 120-347VAC 50/60Hz	1	Yes	4000K	Yes	28,500	180	159	>80
				5000K		28,200	180	157	
		2		4000K		31,350	200	157	
				5000K		31,000	200	155	
		3		4000K		36,900	240	154	
				5000K		36,450	240	152	
VHBF310WSCSDUVZZXG	120-277VAC/ 120-347VAC 50/60Hz	1	Yes	4000K	Yes	38,400	240	160	>80
				5000K		37,650	240	157	
		2		4000K		42,750	270	159	
				5000K		41,950	270	156	
		3		4000K		49,100	310	159	
				5000K		48,150	310	156	
VHBF100WYYYHVZZXG	277-480VAC 50/60Hz	Not adjustable	No	4000K	No	15,250	100	153	>80
				5000K		15,400	100	154	
VHBF150WYYYHVZZXG	277-480VAC 50/60Hz	Not adjustable	No	4000K	No	23,100	150	154	>80
				5000K		23,150	150	155	
VHBF240WYYYHVZZXG	277-480VAC 50/60Hz	Not adjustable	No	4000K	No	36,950	240	154	>80
				5000K		37,000	240	155	
VHBF310WYYYHVZZXG	277-480VAC 50/60Hz	Not adjustable	No	4000K	No	47,700	310	154	>80
				5000K		47,800	310	155	

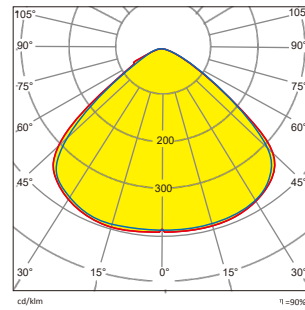
High Light Efficiency

Model Number	Input Voltage	Lumen Level	Wattage Selectable	Nominal CCT	CCT Selectable	Lumens	Watts	LPW	CRI
VHBF150WSYYYUVZZXH	120-277VAC/ 120-347VAC 50/60Hz	1	Yes	4000K	No	17,600	100	176	>80
				5000K		17,800	100	178	
		2		4000K		20,950	120	175	
				5000K		21,150	120	177	
		3		4000K		25,900	150	173	
				5000K		25,950	150	173	
VHBF240WSYYYUVZZXH	120-277VAC/ 120-347VAC 50/60Hz	1	Yes	4000K	No	31,250	180	174	>80
				5000K		30,900	180	172	
		2		4000K		34,750	200	174	
				5000K		34,350	200	172	
		3		4000K		41,250	240	172	
				5000K		41,200	240	172	
VHBF310WSYYYUVZZXH	120-277VAC/ 120-347VAC 50/60Hz	1	Yes	4000K	No	41,600	240	174	>80
				5000K		42,050	240	176	
		2		4000K		46,550	270	173	
				5000K		46,800	270	174	
		3		4000K		52,900	310	171	
				5000K		52,900	310	171	

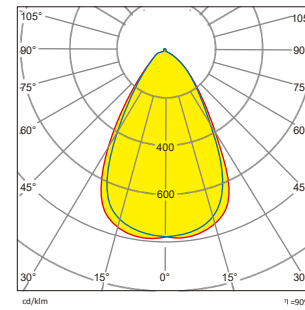
Photometrics



Wide

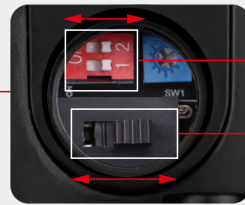


Medium (Standard)



Narrow

Power Selection And CCT Selection Capability



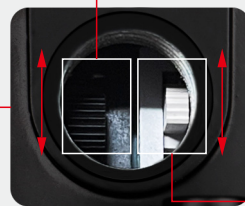
Power Setting

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



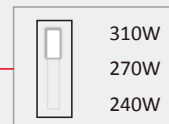
CCT Setting

Adjust CCT between 4000/5000K, 5000K default setting.



CCT Setting

Adjust CCT between 4000/5000K, 5000K default setting.



Power Setting

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

Accessories

Sensor

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



HDO9VR-PH
Sensor Type: PIR Sensor
Max.Mounting Height: 39.4L



HSE-BSP9H-1
Sensor Type: PIR Sensor
Max.Mounting Height: 39.4L
Control: Wireless Networking(including Bluetooth)

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



HD06R
Remote Control



Zhaga Control

Field-Installable (field-installable purchased separately)

Factory-Installable(purchased separately)

	<p>X3PTZ10ZGA-WA Zhaga Adapter for 3-pin Reverse to Z10 Zhaga</p>
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	<p>XZGZ10CR-BB Zhaga Z10 Controls Receptacle for XHBF</p>
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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 XHBF100W~150W, at 120-277/347VAC</p>		<p>XEBB02-40WAC Emergency Battery Backup EMUFO-40170-YY II -40W/90min, for XHBF200W~310W, at 120-277/347VAC</p>
	<p>XEBB18-40WACHV Emergency Battery Backup EMUFO-40500DI-YY -40W/90min, for XHBF100W~310W, at 277-480VAC</p>		

Mounts and Brackets

Field-Installable (field-installable purchased separately)

	<p>XUB-HBA-B Small Size U Bracket for XHBF100W~240W</p>		<p>XUBC-HBC-B Large Size U Bracket for XHBF310W</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 XHBF100W~240W</p>		

Reflector

Field-Installable (field-installable purchased separately)

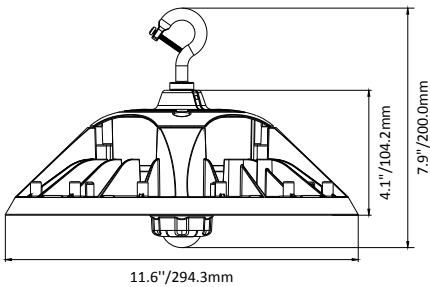
	<p>XPCR-HBS Small Size (16.22x5.91") Polycarbonate Refractor for XHBF100W~150W</p>		<p>XPCR-HBL Large Size (16.22x5.71") Polycarbonate Refractor for XHBF200W~310W</p>
	<p>XPCRDH-HBS Small Size (16.22x7.36") Polycarbonate Refractor with Drop Lens for XHBF100W~150W</p>		<p>XPCRDH-HBL Large Size (16.22x7.17") Polycarbonate Refractor with Drop Lens XHBF200W~310W</p>

Electrical Data

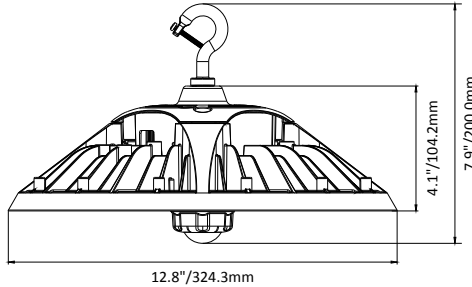
Model Series	Wattage(W)	Current (A)					
		Input Voltage (V)					
		120	208	240	277	347	480
VHBF150WS	100	0.93	0.53	0.46	0.40	0.32	N.A
	120	1.11	0.64	0.56	0.48	0.38	N.A
	150	1.39	0.80	0.69	0.60	0.48	N.A
VHBF240WS	180	1.67	0.96	0.83	0.72	0.58	N.A
	200	1.85	1.07	0.93	0.80	0.64	N.A
	240	2.22	1.28	1.11	0.96	0.77	N.A
VHBF310WS	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
VHBF100W	100	0.93	0.53	0.46	0.40	0.32	0.23
VHBF150W	150	1.39	0.80	0.69	0.60	0.48	0.35
VHBF240W	240	2.22	1.28	1.11	0.96	0.77	0.56
VHBF310W	310	2.87	1.66	1.44	1.24	0.99	0.72

Dimensions

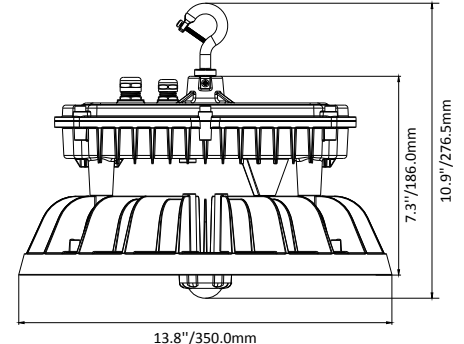
VHBF150WS(UV)



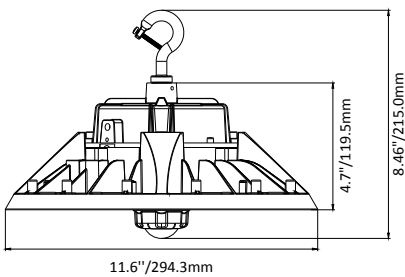
VHBF240WS(UV)



VHBF310WS(UV),XHBF310W(HV)



VHBF100W(HV),XHBF150W(HV)



VHBF240W(HV)

