



HBRD-X

LED Round High Bay with Selectable CCT and Lumen

Introduction

- ◆ Available in three sizes, the HBRD-X UFO high bay offers three selectable wattage and two CCT, making it versatile enough to handle countless applications.
- ◆ HBRD-X offers two levels 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)

Compliances:

- ◆ cULus listed for wet locations.
DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org.

Warranty:

- ◆ 5-year limited warranty. Contact Paraflex for complete warranty terms.

Ordering Guide

EXAMPLE: HBRD-X-150W-XXK80AA-XXXY

Model HBRD-X	Wattage XXXW	CCT XXK	CRI 80	Input Voltage AA	Sensor XXX	Efficiency Y
HBRD-X	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 HBRD-X series with CCT Selectable does not have a high light efficiency option.



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Performance Data

General Light Efficiency

Model Number	Input Voltage	Lumen Level	Wattage Selectable	Nominal CCT	CCT Selectable	Lumens	Watts	LPW	CRI
HBRD-X-(150/120/100)W -(40/50)K80LV-C	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	
HBRD-X-(240/200/180)W -(40/50)K80LV-C	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	
HBRD-X-(310/270/240)W -(40/50)K80LV-C	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	
HBRD-X-(150/120/100)W -XXK80LV-C	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	
HBRD-X-(240/200/180)W -XXK80LV-C	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	
HBRD-X-(310/270/240)W -XXK80LV-C	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	
HBRD-X-100W-XXK80HV-C	AC277-480V 50/60Hz	Not adjustable	NO	4000K 5000K	NO	15,300 15,300	100 100	153 153	>80
HBRD-X-120W-XXK80HV-C	AC277-480V 50/60Hz	Not adjustable	NO	4000K 5000K	NO	18,500 18,500	120 120	154 154	>80
HBRD-X-150W-XXK80HV-C	AC277-480V 50/60Hz	Not adjustable	NO	4000K 5000K	NO	22,500 22,500	150 150	150 150	>80
HBRD-X-200W-XXK80HV-C	AC277-480V 50/60Hz	Not adjustable	NO	4000K 5000K	NO	31,000 31,000	200 200	155 155	>80
HBRD-X-240W-XXK80HV-C	AC277-480V 50/60Hz	Not adjustable	NO	4000K 5000K	NO	36,200 36,200	240 240	151 151	>80
HBRD-X-310W-XXK80HV-C	AC277-480V 50/60Hz	Not adjustable	NO	4000K 5000K	NO	47,000 47,000	310 310	152 152	>80

High Light Efficiency

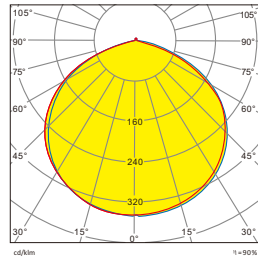
Model Number	Input Voltage	Lumen Level	Wattage Selectable	Nominal CCT	CCT Selectable	Lumens	Watts	LPW	CRI
HBRD-X-(150/120/100)W -XXK80LV-H	AC120-277V/ AC120-347V 50/60Hz	1	Yes	4000K	No	17,950	100	179	>80
				5000K		18,120	100	181	
		2		4000K		21,160	120	176	
				5000K		21,350	120	178	
		3		4000K		26,000	150	173	
				5000K		26,000	150	173	
HBRD-X-(240/200/180)W -XXK80LV-H	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	
HBRD-X-(310/270/240)W -XXK80LV-H	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	



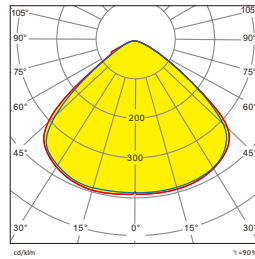
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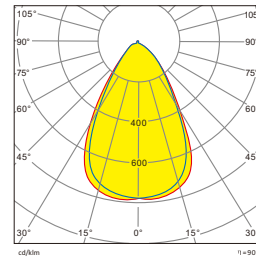
Photometrics



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 Screw-in PIR Sensor		HDO9VR-PHB Screw-in PIR Sensor (Networking Wireless Control Version)
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Field-Installable / Field-Use ONLY (purchased separately)

	HD06R Remote Control
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Emergency Battery Backup

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

	HBRD-X-EBB01-25WAC Emergency Battery Backup EMUFO-25170-YY II -25W/90min, for HBRD-X-100W~150W, at AC120-277/347V		HBRD-X-EBB02-40WAC Emergency Battery Backup EMUFO-40170-YY II -40W/90min, for HBRD-X-200W~310W, at AC120-277/347V
	HBRD-X-EBB18-40WACHV Emergency Battery Backup EMUFO-40500DI-YY -40W/90min, for HBRD-X-100W~310W, at AC277-480V		

Mounts and Brackets

Field-Installable (field-installable purchased separately)

	HBRD-X-UB-HBA-B Small Size U Bracket for HBRD-X-100W~240W		HBRD-X-UBC-HBC-B Large Size U Bracket for HBRD-X-310W
	HBRD-X-SR-0.3M 0.3m Safety Rope		HBRD-X-SSHCC-0.5M 0.5m Stainless Steel Hang Chains with 2pcs Carabiner
	HBRD-X-WEM10TENPS3/4A-RHB External Threads M10 to External Threads 3/4"NPS Adapter Wiring for HBRD-X-100W~240W		

Reflector

Field-Installable (field-installable purchased separately)

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



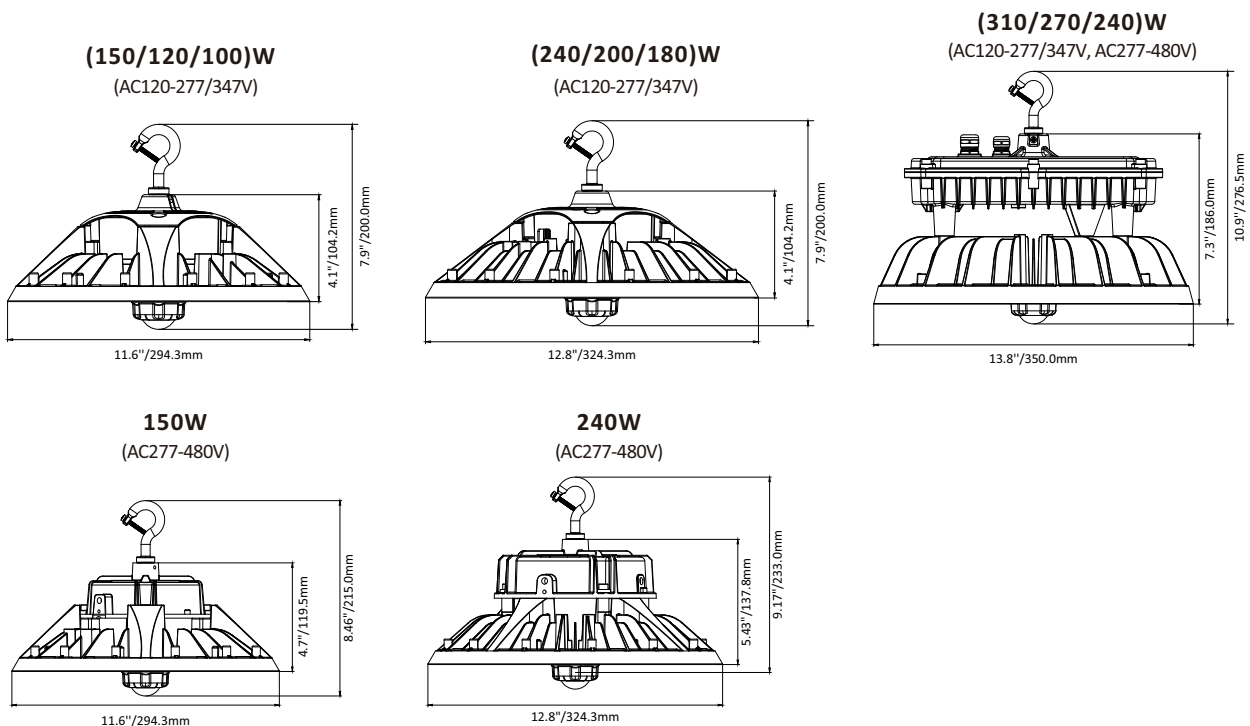
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Electrical Data

Model Series	Wattage(W)	Current (A)					
		Input Voltage (V)					
		120	208	240	277	347	480
HBRD-X-(150/120/100)W	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
HBRD-X-(240/200/180)W	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
HBRD-X-(310/270/240)W	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
HBRD-X-100W	100	0.93	0.53	0.46	0.40	0.32	0.23
HBRD-X-120W	120	1.11	0.64	0.56	0.48	0.38	0.28
HBRD-X-150W	150	1.39	0.80	0.69	0.60	0.48	0.35
HBRD-X-200W	200	1.85	1.07	0.93	0.80	0.64	0.46
HBRD-X-240W	240	2.22	1.28	1.11	0.96	0.77	0.56
HBRD-X-310W	310	2.87	1.66	1.44	1.24	0.99	0.72

Dimensions



Disclaimer:

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