



V3: HBR-14/02/17

BBE® LED High Bay Round

HBR™ series



Performance Data:

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| <ul style="list-style-type: none">• Input Voltage: 100-277Vac 50/60Hz• Power: 100-240W• Luminous flux: 12000-26400lm• Up to 130LPW• Color Temperature: 4000K / 5000K / 5700K(+/-300K) | <ul style="list-style-type: none">• CRI: >70• PF>0.95, THD<15%• Calculated L70>50,000h @ Ta 25°C (77°F)• Work Temp.: -40~45°C (-40~113°F)• Warranty: 5 years limited |
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Features and Specifications

Application

BBE LED High Bay light HBR series was designed specially to replace conventional light in a wide variety of industrial and warehouse applications.

Benefits

- Superior light quality
- Point-to-point replacement to the 250-400W traditional High-bay luminaire
- Great energy saving up to 70%
- Significant reduction in maintenance

Construction

Robust die-cast aluminum luminaire body painted in epoxy powder coating in black.

Air-flow heat sink allows for fast air movement as the perfect cooling system to ensure the performance and longevity.

The luminaire assembly meets dust and moisture rating of IP65 per IEC60529 and impact protection of IK08 per EN62262, ensure long life and protection from the environment.

Rod mounting, hook with chain mounting and heavy duty steel yoke mounting are available.

LED & Optics

Highly efficient LM80 approved NICHIA LED is applied for maximum efficiency and long life (calculated L70 > 50,000h @ Ta=40°C).

Color temperature in natural white 4000K, pure white 5000K and cool white 5700K with CRI 70+ are available, CRI>80 is optional. LPW up to 135 is available.

Optics lens in 60, 90 options with over 90% efficiency reduces light loss significantly.

Electronics

MEANWELL driver in 100-277Vac, 50/60Hz, power factor > 95% and THD <15%, IP65 waterproofed. Class I output.

PWM or 0-10V dimming is available for options.

Over current, short circuit, over voltage and over temperature protections are integrated.

Listing

UL/CUL, SAA, CE, CB approved, RoHS compliant.

Warranty

5 years limited.

Ordering information:

Example: HBR100-EPWMN3-HM



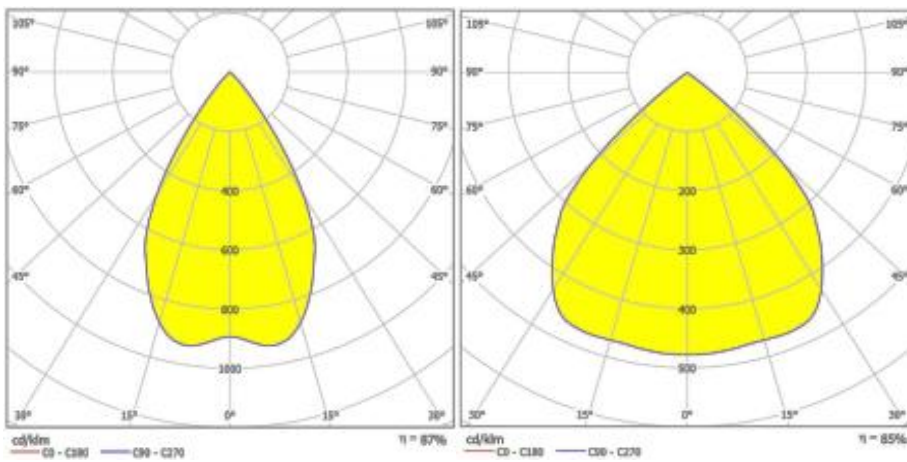
Series	Power	-	Voltage	CCT	Optics	LED Bin	-	Options
HBR	100	-	E	PW	M	N3	-	HM
HBR	100 120 150 200 240	-	E: 100-277Vac	NW: 4000K PW: 5000K CW: 5700K	M: 60degree W: 90degree	N3: Nichia 3030		HM: Hook w/chain mounting RM: Rod mounting YM: Yoke mounting VD: 0-10V dimming PD: PWM dimming

*Consult your sales representative for the options and the lead time will be varied depending on the options selected.

Electrical Data:

	Number of LEDs (pcs)	LED drive current (mA)	Rated Power (W)
HBR100	117	120	100
HBR120	117	145	120
HBR150	180	125	150
HBR150	234	95	150
HBR200	234	125	200
HBR240	234	145	240

Optical & Photometric Data



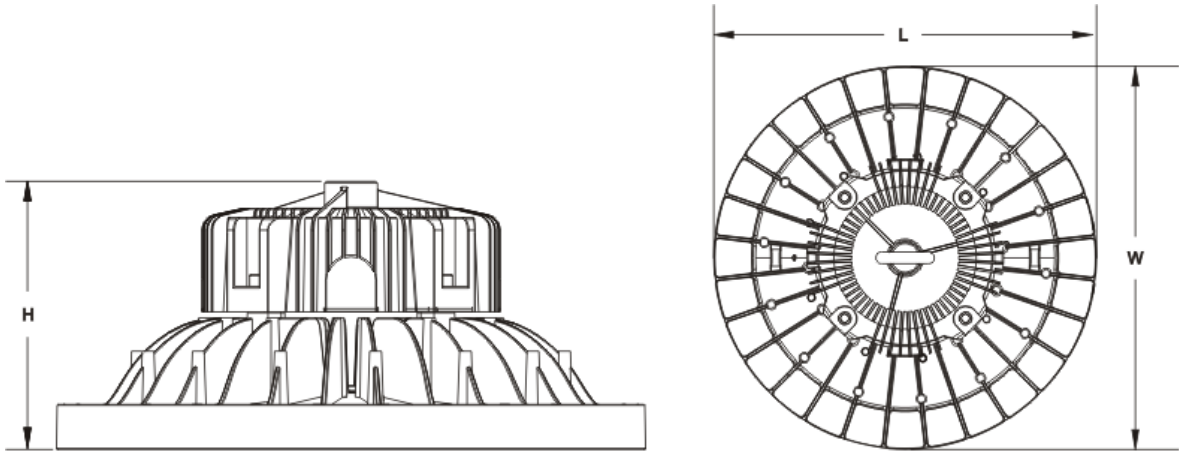
M: 60 degree

W: 90 degree

Cat. No.	Number of LED (pcs)	CCT	Rated Lumen (lm)	Rated Power (W)	Efficiency (LPW)	L70 @25 °C	Driver Life @25 °C
HBR100	117	4000K/5000K/5700K	12000	100	120	>50,000h	>50,000h
HBR120	117	4000K/5000K/5700K	13200	120	110	>50,000h	>50,000h
HBR150	180	4000K/5000K/5700K	18000	150	120	>50,000h	>50,000h
HBR150	234	4000K/5000K/5700K	19500	150	130	>50,000h	>50,000h
HBR200	234	4000K/5000K/5700K	24000	200	120	>50,000h	>50,000h
HBR240	234	4000K/5000K/5700K	26400	240	110	>50,000h	>50,000h

*The above data is rated lumen and power, the real tested data will be something different, due to the rapid and continuous advances in LED technology. LED luminaire data is subject to change without notice.

Dimension, Weight & EPA



Model no	N.W.	L x W x H	G.W.	Packing dimension
HBR100/120	3.97kg	300x300x181mm	4.7kg	368x368x216mm
HBR150/200/240	6.35kg	360x360x207mm	7.5kg	428x428x226mm

Mounting & Accessories

Mounting options	Accessories	Image
Hook w/chain mounting (standard)	<p>hook</p>	<p>>500mm</p>
Rod mounting (optional), ordered as accessory. (rod is not included)	<p>rod</p> <p>(2) screw</p>	<p>rod</p>
Yoke mounting, ordered as accessory.	<p>(2) M4x10 (2) M8x16 (2) M8x70</p>	

BBE LED reserves the right to change specifications and dimensions without notice. Lamp and electrical specifications /availability subject to change by manufacturer without notice. Please refer to detailed specification sheets for additional information and spec details.

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