

LED High-Bay Light LEDioc HB

2016 March 31
data subject to change



- Available in 110W, 135W, 210W and 255W design.
- Delivers light output to replace 250W through 700W traditional metal halide high-bay.
- Highly efficient : up to 130lm/W
- Lightweight design utilizing magnesium alloy body
- Dimming compatible: PWM 25~100% (HB200)
- Instant on/off
- Long life : 60,000 hours
- Highly efficient/high-powered COB-type LED Package

COB-type LED package:

This light source, offering top-class energy saving performance has been achieved through a new optical design utilizing both a lens and a mirror, and also through highly efficient usage of electric power. With COB (Chip on board) type lighting, large numbers Of LED devices are mounted directly onto substrate. As light is therefore emitted from a single uniform surface, a natural lighting environment of even brightness close to that created by surface emission can be achieved.



Product Series

	Model Number	Power Consumption (W)	CCT	CRI	Distribution	Luminous flux <Nominal> (lm)	Luminous efficacy (lm/w)
HB110	EHCL1101W/650/E	110	5000K	≥70	Wide	13000	118.2
	EHCL1101W/850/E	110	5000K	≥80	Wide	12000	109.1
	EHCL1101W/840/E	110	4000K	≥80	Wide	12000	115.5
	EHCL1101W/830/E	110	3000K	≥80	Wide	11500	104.5
HB130	EHCL1301W/650/E	135	5000K	≥70	Wide	17000	125.9
	EHCL1301W/850/E	135	5000K	≥80	Wide	16000	118.5
	EHCL1301W/840/E	135	4000K	≥80	Wide	16000	118.5
	EHCL1301W/830/E	135	3000K	≥80	Wide	15000	111.1
HB200	EHCL2101W/650/D/E	210	5000K	≥70	Wide	26000	123.8
	EHCL2101W/850/D/E	210	5000K	≥80	Wide	24000	114.3
	EHCL2101W/840/D/E	210	4000K	≥80	Wide	24000	114.3
	EHCL2101W/830/D/E	210	3000K	≥80	Wide	22000	104.8
HB250	EHCL2601W/650/E	255	5000K	≥70	Wide	33000	129.4
	EHCL2601W/850/E	255	5000K	≥80	Wide	32000	125.5
	EHCL2601W/840/E	255	4000K	≥80	Wide	32000	125.5
	EHCL2601W/830/E	255	3000K	≥80	Wide	29000	113.7

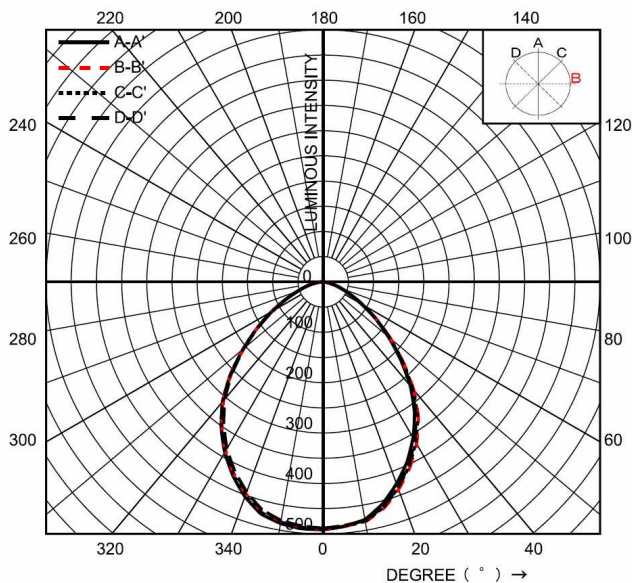
Optical

- Distribution : Wide
- Beam angle (half intensity) : 88°
- Colour rendering index : 70 to 80
- Luminous efficacy : up to 129.4 lm/W
- Lumen maintenance(L80) : 60,000hours at 40°C

Electrical

- Built-in power supply
- Input voltage : 220 to 240V
- Line frequency : 50 to 60Hz
- Power factor : > 0.9 at full load
- Total Harmonic Distortion : $< 20\%$ at full load
- Power consumption : 4 types 110W, 135W, 210W, 255W
- Dimming function (HB200)
PWM Switching frequency : 100Hz-1kHz
PWM Voltage Level : 10-12V
PWM Duty Cycle : 0-100%

Distribution data (cd/klm)



Mechanical

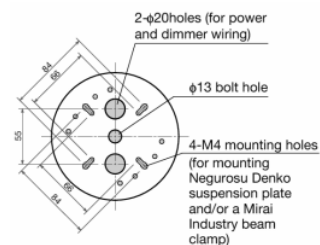
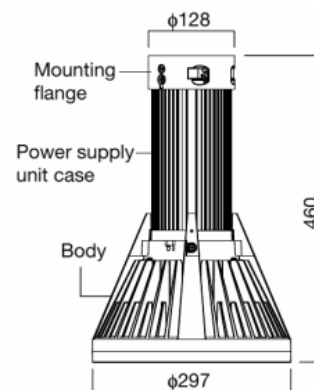
- Body (except front part) : Magnesium alloy
- Power supply unit case : Extruded aluminum
- Glove : Acrylic
- Finish color : White
- Safety wire provided

Ratings

- Operation Temperature range : -20°C ~ $+40^{\circ}\text{C}$
- Certification : CE

Physical

- Dimension : $\phi 297 \times 460\text{mm}$
- Weight : 6.5kg



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