



LED High Bay Light

LEDioc HB Series
(HB110/HB130/HB200/HB250)

- ▶ Dimming compatible
(HB200: PWM 25 - 100%)
- ▶ Lightweight design utilising magnesium alloy body
- ▶ Significant energy savings in comparison to existing HID lamps
- ▶ Highly efficient: 135 ℓ m/W (HB250/5,000K/Ra70)



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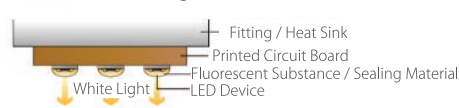
- ▶ Quickly reaches full brightness
- ▶ Dimming compatible: PWM 25 - 100% (HB200)
- ▶ Lightweight magnesium alloy body
- ▶ 130W/210W/255W LEDs capable of delivering brightness equivalent to 250W/400W/700W metal halide lamps respectively (255W LED delivers brightness equivalent to 1,000W mercury vapour lamp)
- ▶ Highly efficient: 135 lm/W (HB250/5,000K/Ra70)
- ▶ Highly efficient/high-powered COB-type LED package
- ▶ Long life: 60,000 hours (L80)



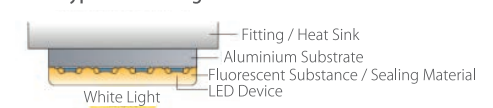
COB-Type LED Package

This light source, offering top-class energy saving performance has been achieved through a new optical design utilising both a lens and a mirror, and also through highly efficient use of electric power. With COB (Chip On Board) type lighting, large numbers of LED devices are mounted directly onto the 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.

Standard LED Package



COB-Type LED Package



Product Series

Model Number		Power Consumption	CCT	CRI	Luminous Flux	Distribution	Luminous Efficacy
HB110	EHCL1101W/650/E	110W	5,000K	≥ 70	13,800lm	Wide	125.45lm/W
	EHCL1101W/850/E	110W	5,000K	≥ 80	13,000lm	Wide	118.18lm/W
	EHCL1101W/840/E	110W	4,000K	≥ 80	12,700lm	Wide	115.45lm/W
HB130	EHCL1301W/650/E	135W	5,000K	≥ 70	18,000lm	Wide	133.33lm/W
	EHCL1301W/850/E	135W	5,000K	≥ 80	17,200lm	Wide	127.41lm/W
	EHCL1301W/840/E	135W	4,000K	≥ 80	16,800lm	Wide	124.44lm/W
HB200	EHCL2101W/650/D/E	210W	5,000K	≥ 70	26,500lm	Wide	126.19lm/W
	EHCL2101W/850/D/E	210W	5,000K	≥ 80	25,000lm	Wide	119.05lm/W
	EHCL2101W/840/D/E	210W	4,000K	≥ 80	24,500lm	Wide	116.67lm/W
HB250	EHCL2601W/650/E	255W	5,000K	≥ 70	34,500lm	Wide	135.29lm/W
	EHCL2601W/850/E	255W	5,000K	≥ 80	32,700lm	Wide	128.24lm/W
	EHCL2601W/840/E	255W	4,000K	≥ 80	32,000lm	Wide	125.49lm/W

Ratings:

- Operating Temperature Range: -20 to +40°C
- Certification: CE

Optical:

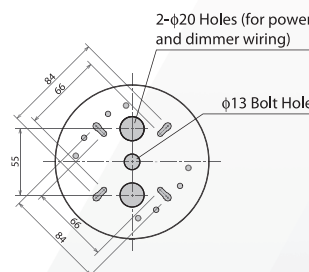
- Desitubition: Wide
- Beam Angle (half intensity): 88°
- Colour Rendering Index: 70 to 80
- Luminous Efficacy: 115.4 - 135.2lm/W
- Lumen Maintenance (L80): 60,000 hours

Mechanical:

- Body: Magnesium Alloy (Except Front Section)
- Power Supply Unit Case: Extruded Aluminium
- Glove: Acrylic
- Finish Colour: White
- Safety Wire Provided

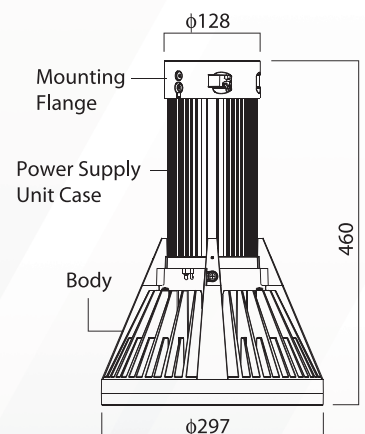
Electrical:

- Built-in Power Supply Unit
- Input Voltage: 220 - 240V
- Line Frequency: 50 or 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%



Dimensions / Weight:

- $\phi 297 \times 460$ mm
- 6.5kg



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