

ENSA™

Energy Saving Devices

200W LED HIGH BAY LIGHT with Dimming (DALI) Control

Part Numbers: LEDHB200WD



**Replaces
500W HID High
Bay Lamps!**

Overview

Operating on 200 watts, the LED High Bay Light uses approximately 30% of the energy compared to traditional HID lights for the same light output. These lights are ideal for use in warehouses, factories, large retail spaces, school halls, etc.

LED lights reach maximum intensity immediately after being switched on. They do not require time to warm up. In the event of a momentary loss of power, HID lamps can take up to 20 minutes to turn back on.

The fixture is completely free of hazardous materials including mercury and lead and boasts an annual energy saving that equates to over two metric tons of CO2 saved per fixture per year!

Shown with 90° reflector, see reverse side for details.

Key Benefits

- Use up to 70% less power than HID lamps.
- LED high bay lights can last up to 50,000 hours.
- Cool light reduces the ambient temperature.
- Energy saving and environmentally friendly.
- No warm up or cool down periods.
- Resistant to shock and vibration.
- No audible buzzing sounds or light flickering.
- No UV or IR radiation.
- Reduce carbon emissions.

Specifications

OPTICAL	
System Power Consumption	200W
LED Output Power (hot)	16000lm
Colour Temperature	4500K
Colour Rendering Index	>70
Light Decay	< 15% (20,000 hours)
Available Reflector Angles	45° / 90° / 120°
ELECTRICAL	
Input Voltage	85V-265V AC / 50Hz - 60Hz
Driver Efficiency	>91%
Power Factor	>0.95
GENERAL	
Dimensions	Body: L390 x W300 x H310 (mm) Reflector: See reverse side
Net Weight	6.7kg (Body) / 0.5kg (Reflector)
Ingress Protection Rating	IP54
Working Environment	Temp: -10~55°C / Humidity: 10%~90%

Meets IPART requirements for the NSW Energy Saving Scheme.
See <http://www.ess.nsw.gov.au/> for more information.

Illuminance at a Distance

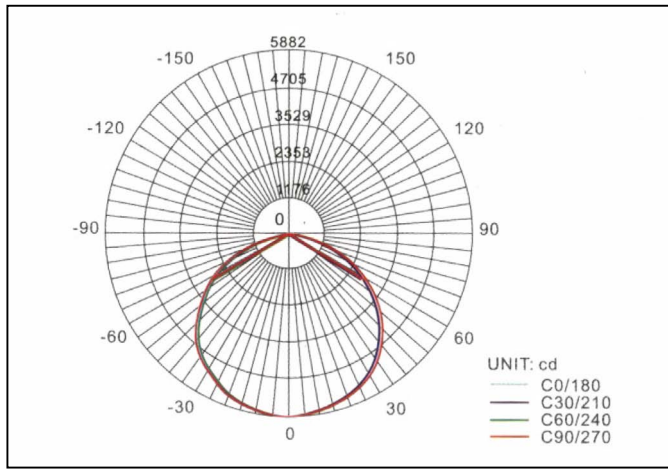
Straight-down Illumination Distribution
for LEDHB200WD with 120° aluminium reflector

	CENTRE BEAM LUX	APPROX BEAM WIDTH
2m	1468 lx	6.5m
4m	367 lx	13.9m
6m	163 lx	19.4m
8m	92 lx	25.8m
10m	59 lx	32.3m

Lux is a measurement of illuminance over 1m². Illuminance is inversely proportional to area. The higher the ceiling, the more the light will disperse before reaching the ground.

Reflectors are used to concentrate the light beam for higher ceilings. Please consider the application before selecting a reflector. See the reverse side of this page for reflector types.

Light Distribution Curve



Circle Facula

The light distribution curve for the LEDHB200WD is a circle facula. This means that the light pattern projected onto the ground will be a circular shape.

Light coverage and light edge sharpness are determined by the reflector and the height at which the high bay is mounted.

Curve diagram is based upon LEDHB200WD with 120°

Available Aluminium Reflectors

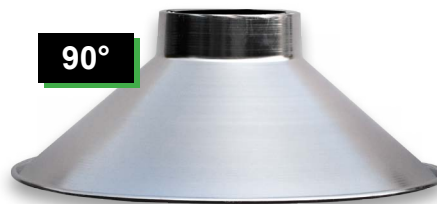
The LEDHB200WD is compatible with a range of aluminium reflectors.



120°

Recommended for:

- Ceiling heights 4 - 6m
- Assembly lines, display lighting, general lighting.
- Ø: 500mm x H: 150mm



90°

Recommended for:

- Ceiling heights 6 - 8m
- Retail spaces, manufacturing, warehouses.
- Ø: 500mm x H: 195mm



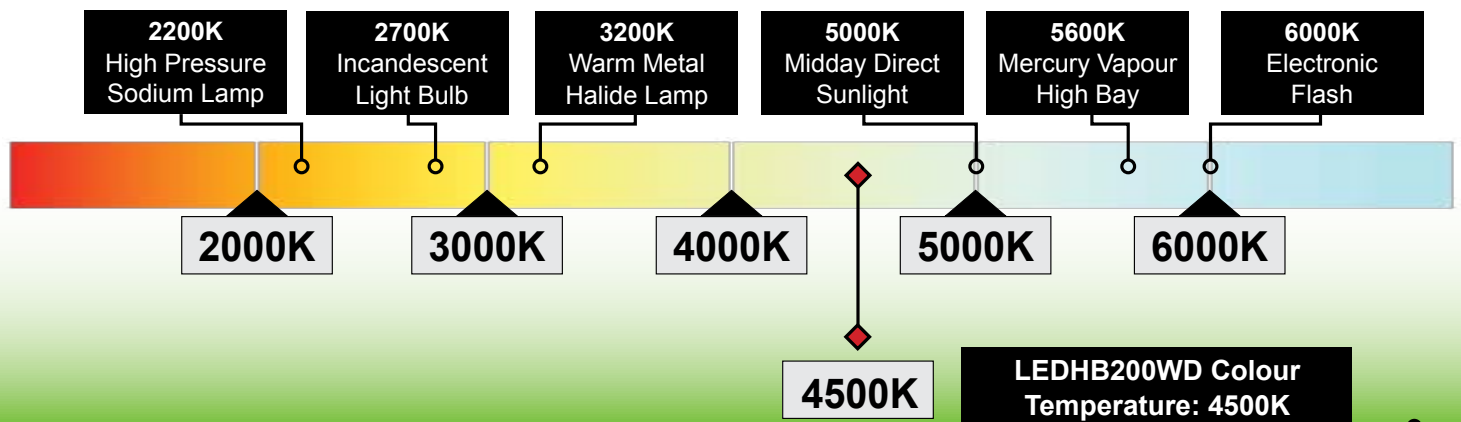
45°

Recommended for:

- Ceiling heights 8 - 12m
- Factories, large retail spaces, halls, indoor sports facilities, large warehouses.
- Ø: 420mm x H: 270mm

Defining Colour Temperature for your LED High Bay

The ENSA LED lighting range is available in a number of colour temperatures to suit your needs. Below is a reference scale charting existing light sources and their colour temperature. Use this chart as an approximate guide when selecting from our LED lighting range.



ENSA™ Energy Saving and Security Solutions for a Brighter Future



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