



## HiCool Product Range

Part Number	HB08-100	HB08-120	HB08-150	HB08-200	HB08-100	HB08-120	HB08-150	HB08-200	HB08-240	HB08-300
Lumen Output	13,000lm	15,600lm	19,500lm	26,000lm	15,000lm	18,000lm	22,500lm	30,000lm	32,400lm	40,500lm
Wattage	100W	120W	150W	200W	100W	120W	150W	200W	240W	300W
Luminous Efficacy	130lm/W				150lm/W				135lm/W	
CCT	3000K, 4000K, 5000K									
CRI	>Ra70, >Ra80									
Beam Angle	50°, 90°, 120°				60°, 90°, 120°, 30°(300W)					
Input Voltage	100-240Vac/100-277Vac/277-488Vac 50-60Hz PF ≥ 0.93									
IP Rating	IP65									
LED Driver	Meanwell									
HID Equivalent	250W	250-400W	400-600W	700W	250W	250-400W	400-600W	700W	800W	1000W
Certification Pending	CE, CB, GS, RoHS, SAA, EMC									



# HiCool

## LED High Bay



## HiCool, the outperformer

- High performance SMD design
- Efficacy up to 150lm/W
- Electrical: 100-240Vac/100-277Vac/277-488Vac, 50-60Hz, PF ≥ 0.93
- LED Lifespan > 50,000 hours (Ta=30°C@L70)
- Energy savings up to 90%, (depending on installation and usage patterns)
- CCT: 5000K (4000K, 3000K optional)
- CRI > Ra70 (CRI > Ra80 optional)
- Beam angle: 30°, 50°, 60°, 90° and 120° optional.
- Superior uniformity
- Superior temperature stability
- Temperature tested at toughest conditions
- Meanwell driver
- Tempered safety glass diffuser
- Operating range -30~+50°C
- Body: Aluminium alloy
- Stainless steel screws
- IP65 protection rating
- 5 years warranty

## HiCool optional extras

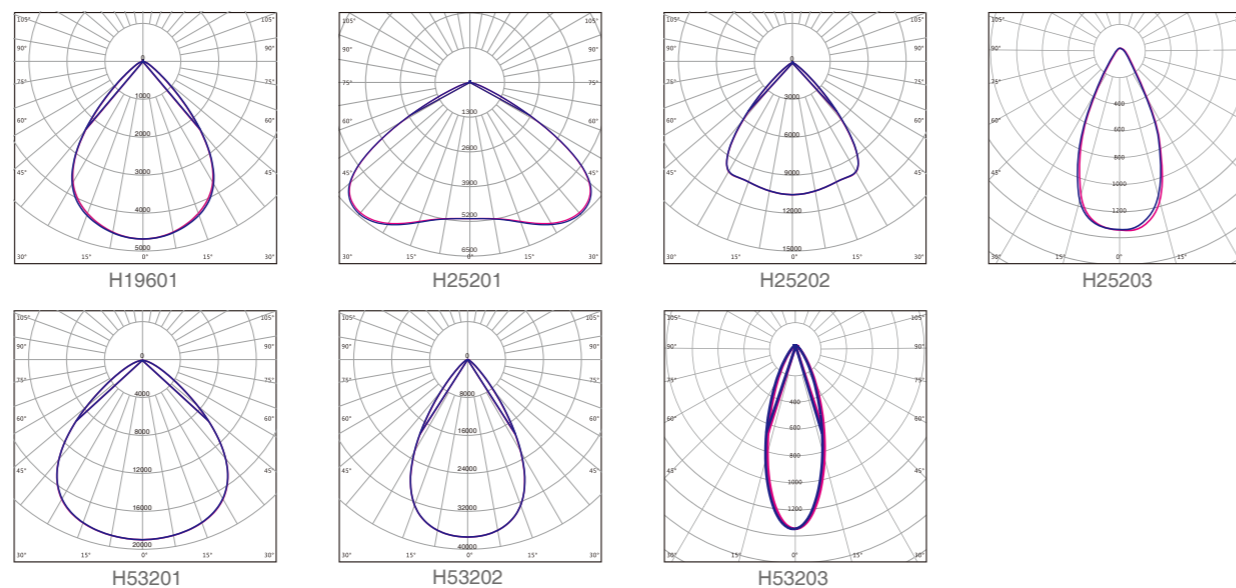
- Occupancy Control
- DALI Control
- ZigBee Wireless Control
- 1-10V dimming control
- Daylight Sensor Control
- Alternative mounting brackets

## Control Options

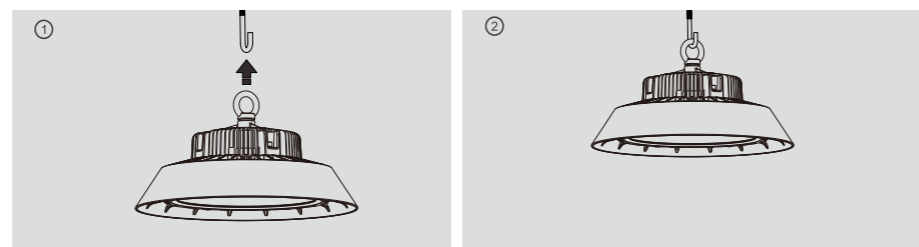
Add to the product part numbers to include these control options

Occupancy Control	DALI Control	1-10V Dimming Control	Zigbee Wireless Control	Daylight Sensor Control
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## Photometric Diagrams



## Mounting Options



ISO9001: 2008

All info here ONLY for reference, please confirm with our sales before order.

V2.2

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# HiCool LED High Bay

New Design Concept of Great Originality, Creating Industrial LED Lighting New Era.

## Original chimney-type housing brings excellent cooling performance

The housing is designed in a chimney-shape, heat can run very good convection inside, which makes cooling so fast and easy. To those normal high bays with same power watts and outlook size, the housing temperature can be 6~10°C lower, and the weight can be less too.

## Contour design in different way, breaking routines.

The contour design is progressive. It breaks the routines and adds a 'lampshade' concept into the heat sink and makes the two in one seamless. And that's really a good job. HiCool looks like a lampshade in first sight, and plays the role indeed. It's chiseled with tough line and shielding light by the outer edge.

## IP65 weatherproof, corrosion-resistant and anti-aging

The lamp is designed to be IP66 weatherproof, which was tested and verified at harshest environment. The surface treatment is outdoor usage powder coating, to make the lamp be good looking and corrosion-resistant and anti-aging.



## High efficacy as always, up to 130lm/W

To get the target high efficacy, Nichia LED chips and MeanWell driver were chosen as always. Meanwhile some positive measures like rational LED board layout, or selection for higher efficacy grade chips, etc., were done for which.

## Generic light distributions & lens, meet different market demands

After more than two years of designing exploration and engineering practice, HiCool (our flagship product) high bay has 9 kinds of light distributions (with tempered glass, PC cover or lens) now. This gets customer's unanimous recognition and high praise. Following the modular-generic principle, HiCool will inherit all of the distributions, to meet different market demands.

## Smart as always

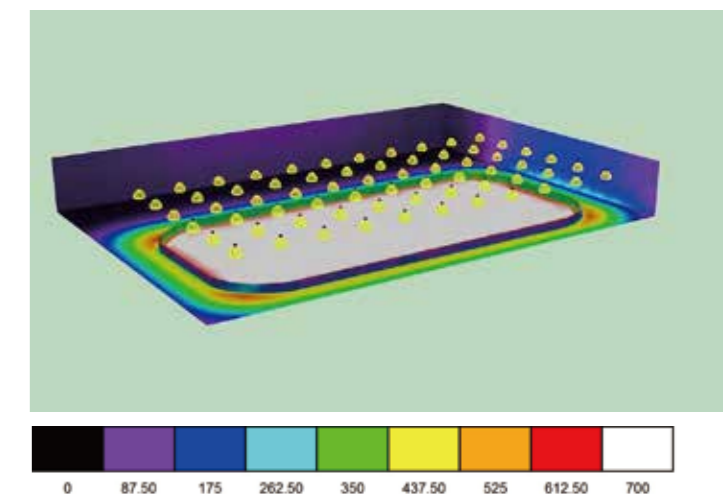
Compatible with different intelligent control modes, like DALI, occupancy sensor, Zigbee wireless, etc, you can control the LED lights at will.



# HiCool

## Dialux Simulation


Rink lighting simulation



HB08-200 H25202

## Superior lighting performance

Outperforms conventional LED high bay designs

HiCool 150W	Other LED 150W
	
312 lux working plane	199 lux working plane
0.650 Uniformity	0.394 Uniformity
	

Room width 100m Room length 100m Room height 10m  
Fixture Qty 225pcs Fixture spacing 6.7m