

LUMO[®]

feel the difference

Ultra High-Bay Light

Specially Designed for Food Processing
Lighting Applications



Ultra High-Bay light

Specially designed for food processing lighting applications, considering cleanliness priority as per cleaning protocols.

Ultra-High safety performance

LUMO Ultra High-Bay designed to be without glass or any exposed screws for safety and cleanliness priority. This Luminaire has been made of High-Transmittance PC instead of glass. From the point of design, this Luminaire has a very smooth body which keeps the light clean without any space for dirt, slag or dregs for stockpiling. The heat sink of the lamp has been accommodated inside the body to not be exposed to the environment. So Ultra High-Bay prevents the piling up of dirt, and even prevents insects to find space to hide from your view.

Modern and Unique Design

The Ultra High-Bay has a very unique and original design for the High-Bay Luminaire industry, a really good alternative to the old industrial shape lamps. This design is achieved by our designers thinking to create something with a nice looking design with respect to the clean areas classification with a very smooth body finish.

Excellent cooling performance with an ingenious structure

Having a dome structure with smooth die-casting aluminum body, ensures adequate heat dissipation area with excellent cooling system performance. The parts are well connected to the body structure internally, so that we cannot see any dents or curves caused by any internal object connected to the body.

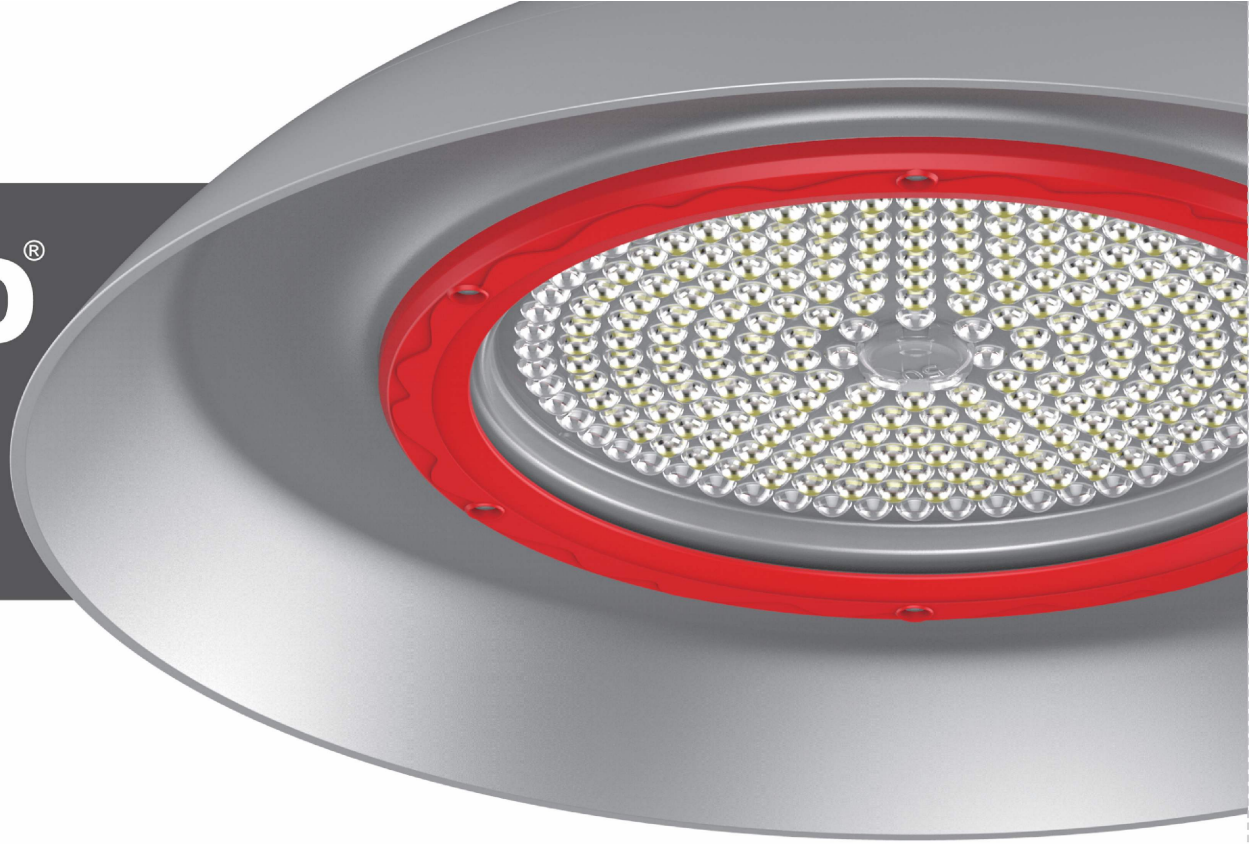
High ingress protection rating

Since Ultra High-Bay is designed to be used in clean areas, the luminaire should be washed on a daily or weekly basis. The IP66 enclosure treatment of outdoor grade powder coating has made the luminaire corrosion-resistant against the daily washing affects.

Power auto-off protection

When it comes to maintenance, safety is the highest priority, hence we have designed an auto-off system for extra safety reasons to protect the technicians against any accidental shock while working with lamp. Although while a technician is working with or maintaining a Luminaire, the main power should be off, we have still considered an extra safety solution for the Ultra High-Bay, meaning when the enclosure is opened, the power to the driver goes off automatically.





High luminous efficacy as 130Lm /W

To achieve the highest possible efficacy in High-Bay Luminaire, we have combined Nichia Japan LED-Chip with Meanwell driver at the same time, we did a study on thermal reliability design of PCB board where the LED's are going to accommodate.

Inclusive Lighting Distributions

After more than two years of working on the design of our High-Bay lights, lighting distribution and several engineering practices on the lens of this type of Luminaire, we have achieved 11 different types of light distributions. This wide range of lens application enables us to meet different market demands. A variety of outlets ranging from food storage to all types of food factories can use our Luminaire with great results as well as good looking lighting fixture. Having a clean area for food industries is a big challenge but we have overcome that challenge with this type of light.

Ultra High-Bay for wider range of applications

LUMO Ultra High-Bay is a new generation of LED High-Bay lights which can be used in more ways than a normal High-Bay light application. This Luminaire is a good choice when used in applications that have special requirements such as areas with daily cleaning and routine disinfection. Areas with those special requirements which need to remain sterile for the safety of the staff and others, can use this light which can be easily washed as long as the electrical safety has been considered.



Specifications

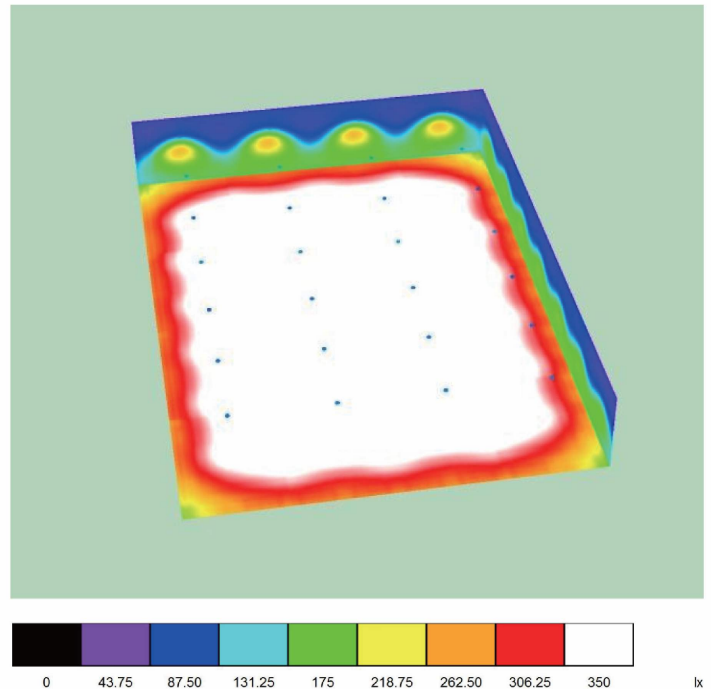
- High performance Luminaire using Nichia LED Chip
- Luminous flux up to 26,000lm (200W)
- Efficacy up to 130lm/W
- Wide range of input voltage: 100-277V Ac, 50/60Hz
- LED Lifespan > 50,000 hours (Ta=30°C @ L70)
- Energy saving up to 90%
- CCT: 5000K (4000K & 3000K available upon order)
- CRI > 80
- Beam angle: 50°, 90°, 120° optional
- Superior lighting distribution uniformity
- Superior temperature stability
- Passed all the high temperature tests
- Meanwell driver
- No external reflectors required
- PC cover: Safe for food processing applications
- Operating temp: -30~+60°C
- Body: Die Casting Aluminum
- Stainless steel screws
- IP66 protection rating
- 7 years warranty

ISO9001: 2008



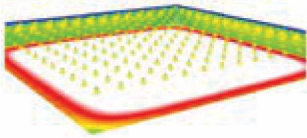
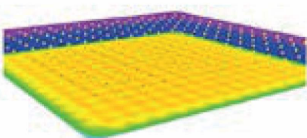
All the info here is only for reference, please confirm with our sales before ordering.

Dialux Simulation

LU200RD-HB01 H00A02 5000K Ra70



Superior lighting performance

LU150RD-HB01	Other LED 150W
	
361 lux working plane	199 lux working plane
0.678 Uniformity	0.394 Uniformity
	

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

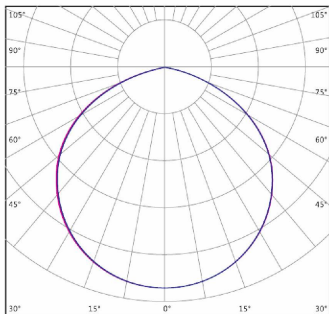
Ultra High-Bay light product range

Part Number	LU100RD-HB01	LU120RD-HB01	LU150RD-HB01	LU200RD-HB01
Lumen Output	13,000lm	15,600lm	19,500lm	26,000lm
Wattage	100W	120W	150W	200W
Luminous Efficacy	130lm/W	130lm/W	130lm/W	130lm/W
CCT	5000K (3000K, 4000K Optional)			
CRI	>Ra80			
Beam Angle	50°, 90°, 120°			
Input Voltage	100-240Vac/100-277Vac 50-60Hz PF ≥ 0.93			
IP Rating	IP66			
LED Driver	MeanWell			
HID Equivalent	250W	250W-400W	400W-600W	700W
Certification Pending	CE, RoHs			

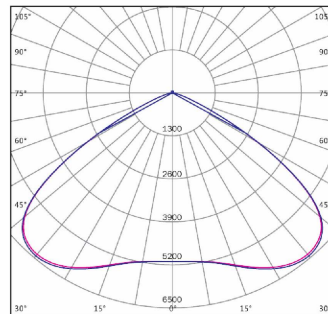
Control Options

Occupancy Control	DALI Control	1-10V Dimming Control
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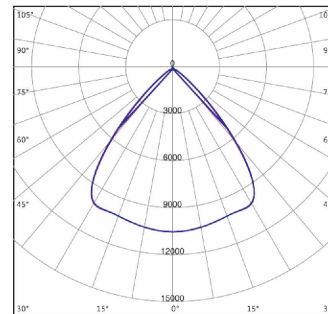
Photometric Diagrams



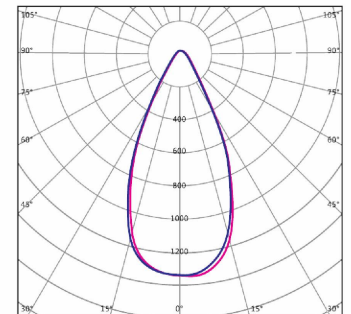
H00A02



H25201



H25202



H25203

Mounting Options

