



**NORDLAND
LIGHTING®**



Management System
ISO 9001:2015
www.nlv.com
ID 9109087029



NHB HP LED

OVERVIEW

NHB HP LED is the Ultimate High-Performance High-Bay Lighting Solution for anyone wanting to minimise capital cost and maximise on energy efficiency and

sustainability. Engineered to illuminate industrial spaces with unparalleled luminosity and maximized efficiency, the NHB HP LED is an excellent choice for commercial

and industrial lighting applications, including factories, workshops, warehouses, and aircraft hangars.

KEY FEATURES:

System Lumen Levels: With a power range of up to 300 watts and the capacity to emit an astounding 54000 lumens, the NHB HP LED can deliver appropriate lux levels even at mounting heights well in excess of 20 meters.

Flexible Configuration: Programmable wattages enable seamless adaptation to lux requirements, irrespective of mounting height. Wattages can be adjusted to achieve precise lux levels to meet lighting designs at your desired mounting height.

Smart Compatibility: Optionally supplied with Constant light output or Dali 2 drivers, the NHB HP LED can be integrated to create a smart factory environment, facilitating energy-saving features like occupancy sensing and daylight harvesting.

Enhanced Protection: Integrated surge protection ensures resilience in challenging operating conditions, providing long-term durability.

World Class Lumen Output: Utilizing specialized high-performance LED chips emitting system lumens of 180 lumens per watt, paired with a specialised driver and a range of optional optic angles the NHB HP LED is able to maximizing lux output while significantly reducing energy consumption.

Versatile Mounting Options: Featuring extendable leads with IP68 connectors, the luminaire offers flexibility in installation, facilitating easy relocation to accommodate design layout changes.

Reduced Maintenance: Combining smart driver technology with an exceptional heat sink the luminaire extends the L90 performance and longevity by up to four times, significantly reducing maintenance costs and the inconvenience of frequent replacements.

Upgradability and environmental
This luminaire is specifically designed to be upgradable with technology change and futureproofed for the circular economy.

Manufactured and Supported Locally: Proudly manufactured and supported by our factory in Gauteng, the NHB HP LED carries a lifetime warranty on the housing and a long term swap out warranty on the electronic components.

WAREHOUSE • WORKSHOP • HIGHBAY

PERFORMANCE

Model Name	NHB HB LED
Wattages (Programmable limits)	100W to 300W
Nominal Lumens	20700lm to 62100lm
System Lumens	18000lm to 54000lm
System efficacy lm/W	180lm/W

LED AND OPTICS

Optics	30°, 60°, 90°, 120° available on request
Expected lifetime	>100000
L70 rating	>102000 @ 25°C
Colour Rendering Index RA	>80
Colour Temperature	5000K standard, 4000K and 6500K available on request
IES Files	Available on request

ELECTRICAL AND OPERATING

Driver	Constant current, Selectable Current, CLO, DALI2 options available
Operating temperature	-20°C - +40°C
Input voltage/Frequency	220V-240VAC ± 10%, 50/60Hz
Power Factor	>0.92
Surge Protection	4kV L/N to PE, 2kV L to N

PRODUCT MATERIALS AND INSTALLATION

Housing	High Pressure Die cast LM6 Aluminium, Powder coated
Lens	Acrylic
Gasket	Rubber Silicone cemented into groove
Finish	Powder coated black, Other colour options available on request
Ingress Protection	IP65
IK Rating	IK08
Mounting Options	Hook for suspension standard

APPLICATIONS



INDOOR
AREAS



SPORTS
FACILITIES



INDUSTRIAL
ENVIRONMENTS

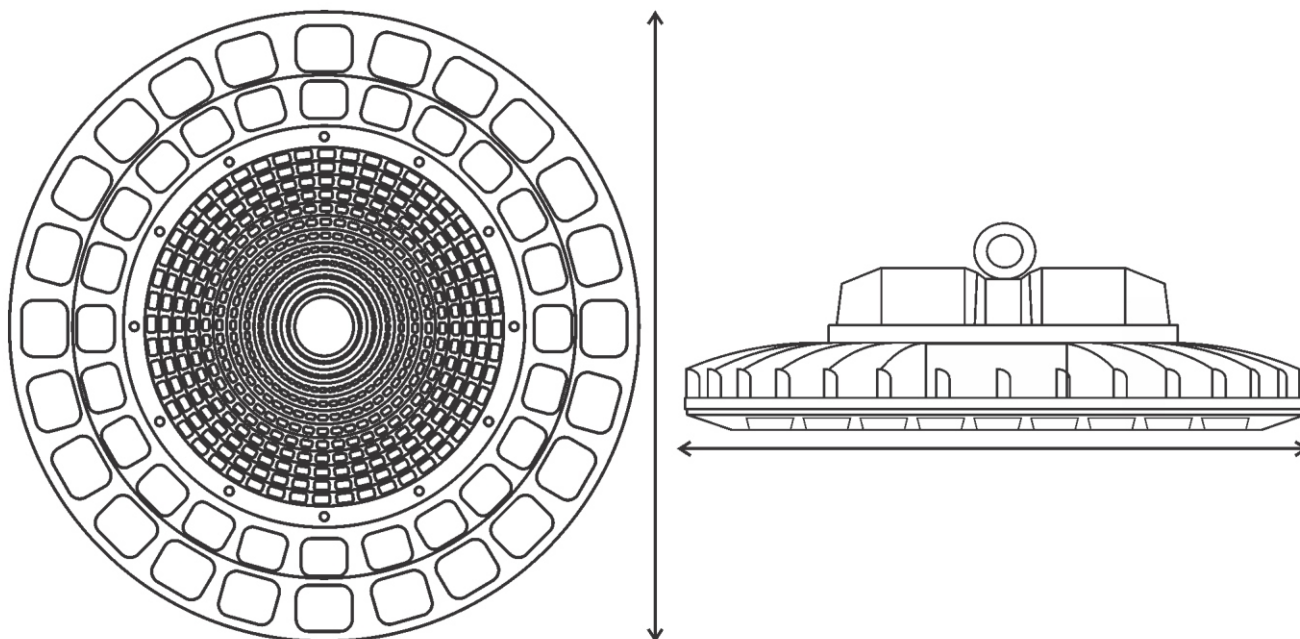


WAREHOUSE



AIRCRAFT
HANGARS

DIMENSIONS



DIMENSIONS AND PACKAGING

Model	NHB HP LED
Wattage	100W - 300W
Dimensions mm (LxWxH)	460x200mm
Weight Kg (Unit / packaged)	10,5kg / 10,7kg

PHOTOMETRIC PERFORMANCE:

As photometric data and IES files differ according to the selected optics and wattages, these are available on request

LIGHTING DESIGN SERVICES:

On request we can do a lighting design for your application.

WARRANTY:

Housing Lifetime warranty.
Electronic Components 50 000 HRS

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