



**NORDLAND
LIGHTING®**



Management
System
ISO 9001:2015
www.nlv.com
ID: 810808723



NHLP Ext

OVERVIEW

The NHLP Ex tb LED Zone 21 and Zone 22 luminaires are a range of high-performance industrial high bay designed for hazardous areas both indoors and outdoors. Manufactured in aluminium alloy with an epoxy

powder coating, this robust IP65/IK08 luminaire is available in various wattages from 100W to 200W. This versatile, energy efficient, high lumen output can be supplied in a range of beam angles and colour temperatures

to meet most Zone 21 and Zone 22 applications. The NHL LED has a variety of mounting options to suit the customer requirements.

APPLICATIONS



INDOOR
AREAS



OUTDOOR
AREAS



INDUSTRIAL
ENVIRONMENTS



MINING AND
SURFACE AREAS



OIL AND GAS



HAZARDOUS
AREAS

HAZARDOUS • BULKHEAD • HIGHBAY

PERFORMANCE

Model Name	NHLP100	NHLP120	NHLP150	NHLP200
Wattages	100W	120W	150W	200W
System Lumens	14000lm	16800lm	21000lm	28000lm
System efficacy lm/W	140lm/W	140lm/W	140lm/W	140lm/W

LED AND OPTICS

Optics	120° (60°; 90° available on request)
Expected lifetime	>100 000
L70 rating	>100000 @ 25°C
Colour Rendering Index RA	>70 (Ra80 optional)
Colour Temperature	5000K standard, 3000K and 4000K available on request
IES Files	Available on request

ELECTRICAL AND OPERATING

Driver	Constant current
Operating temperature	-20°C - +40°C
Input voltage/Frequency	220V-240VAC \pm 10%, 50/60Hz
Input Current	0,45@100; 0,54@120; 0,6@150; 0,9@200
Power Factor	>0.92
Surge Protection	2kV L/N to PE, 1kV L to N

PRODUCT MATERIALS AND INSTALLATION

Housing	Aluminium alloy powder coated
Lens	Acrylic optic lenses and aluminium reflectors
Gasket	Silicone sponge gasket
Finish	Powder coated black
Ingress Protection	IP65
IK Rating	IK08
Mounting Options	Hook, Ceiling, Wall

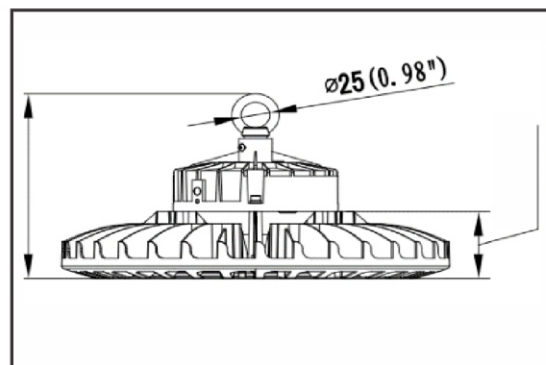
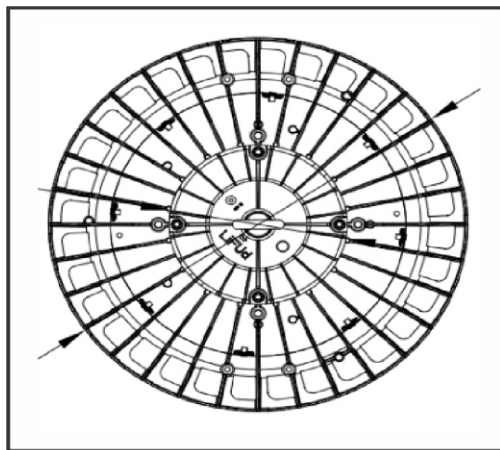
CERTIFICATIONS. STANDARDS EX

Complies to SANS 60598-1
Complies to SANS 60079-0

Zone 21/22

Ex tb IIIC T135°C Db

DIMENSIONS



DIMENSIONS AND PACKAGING

Model	NHLP100	NHLP120	NHLP150	NHLP200
Wattage	100W	120W	150W	200W
Dimensions mm (LxWxH)	251 \varnothing x 170mm	251 \varnothing x 170mm	271 \varnothing x 178mm	340 \varnothing x 182mm
Weight Kg (Unit / packaged)	2,5kg	2,5kg	2,7kg	4,1kg

ACCESSORIES

Hook Mount

Ceiling Mount

Wall Mount

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:

Warranty - 5 years

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Nordland reserves the right to change any specification or design without prior notice.

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