

HX1 – LED Ex Proof



The **HX1 LED** is a high-energy efficient Ex Proof **LED** indoor and outdoor luminaire, designed for Zone 1, Zone 2, Zone 21 and 22 hazardous areas. Elegant design with robust structure body is manufactured from die-cast aluminium with anti-corrosion powder coating, heat and impact resistant tempered glass, stainless steel screws. The luminaire offers an excellent lumen package and long life time. Independent chambers for light sources, driver and junction box for easy maintenance. Various optic designs available to maximize light distributions. Multi-protection constant current LED driver with short circuit, overvoltage, overheat and 2kV line-line and 4kV line-ground protection.

APPLICATIONS

- Oil and Gas Refineries
- On & Off shore rigs
- Chemical & Petrochemical plants.
- Fuel Depot.
- Fuel loading & unloading areas.
- Industrial Lighting

Explosion Protection: Ex d IIC T5 Gb / Ex tb IIIB T100°C Db

Ingress Protection: IP66



AGENTS

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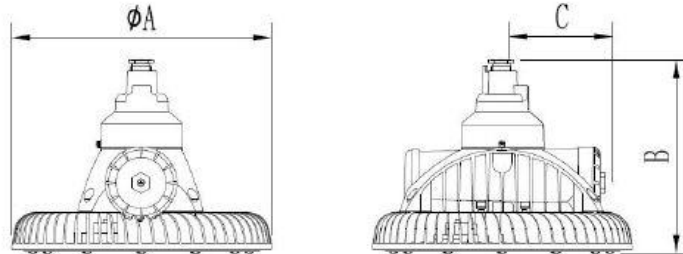
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Dimensions



Product Specification

Model Name	HX1-LED							
Power Consumption	30W	50W	80W	100W	120W	150W	200W	240W
Colour Temperature	5000K							
Luminous efficacy Lm/W	100 - 120Lm /W							
Luminous Flux	3963lm	5825lm	9778lm	11768lm	12230lm	14512lm	19853lm	22168lm
Colour Rendering Index	>80							
Mains Voltage	AC100-277V							
Mains Frequency	50- 60 Hz							
Driver	Constant current							
LED Configuration	high efficiency Nichia LED							
Power Factor	0.99 (120V / full load)							
Ambient Temperature	-40 to +55°C							
Weight	6.5kg				9.32Kg			
Rated Lifetime	>60 000 Hours (L70/B10)							
Beam Angle	120° (Clear or diffused)							
Ingress Protection	IP66							
Cable Entry	M25x1.5							
Installation	Pendant / ceiling / wall / pole							
Dimensions	(A)360mm x (B)255mm x (C)115mm				(A)280mm x (B)265mm x (C)144mm			

Fixture Life

Rated life of 60000hours @ 55°C operating ambient and 24/7 continuous operation

Economic life of 170 000 hours @ 25°C ambient

Standard Material

Lamp housing and adapter – Die cast aluminium with anti-corrosion powder coated.

Lens – heat and Impact resistant tempered glass.

Gasket – Silicone

External hardware – Stainless Steel

Factory sealed, no external seals required.

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

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