

HL1 – LED Ex Proof



The **HL1 LED** is a high-performance Ex Proof **LED** indoor and outdoor luminaire, designed for corrosion areas such as Zone 2 and 22. The luminaire offers an excellent lumen package and long life time. Elegant design with robust structure with versatile mounting options and easy installation. The luminaires are designed for professional light distribution design uniform and comfortable lighting.

APPLICATIONS

- Oil and Gas Refineries
- On & Off shore rigs
- Chemical & Petrochemical plants.
- Fuel Depot.
- Fuel loading & unloading areas.
- Industrial Lighting
- Where extreme corrosive, wet, dusty and hot / cold conditions exist.

Explosion Protection: Ex Na IIC T6 Gc / Ex tc IIIC T85°C Dc/Db

Ingress Protection: IP66



AGENTS

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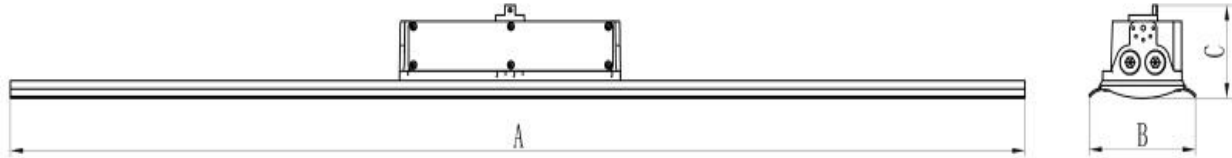
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Dimensions



Product Specification

Model Name	HL1-35W 600mm	HL1-75W 1200mm
Power Consumption	38W	74W
Colour Temperature	5000K	5000K
Luminous efficacy Lm/W	133Lm /W	136Lm /W
Luminous Flux	5035lm	10097lm
Colour Rendering Index	>80	>80
Mains Voltage	AC100-277V	AC100-277V
Mains Frequency	50- 60 Hz	50- 60 Hz
Driver	Constant current	Constant current
LED Configuration	high efficiency Nichia LED	high efficiency Nichia LED
Power Factor	0.99 (120V / full load)	0.99 (120V / full load)
Ambient Temperature	-40 to +55°C	-40 to +55°C
Weight	3.2kg	4.3Kg
Rated Lifetime	>60 000 Hours (L70/B10)	>60 000 Hours (L70/B10)
Beam Angle	120° (Clear or diffused)	120° (Clear or diffused)
Ingress Protection	IP66	IP66
Cable Entry	M25x1.5	M25x1.5
Installation	Pendant/ceiling/wall/pole	Pendant/ceiling/wall/pole
Dimensions	600 x 126 x 93.5	1200 x 126 x 93.5

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 PC
Gasket – Silicone
External hardware – Stainless Steel
Factory sealed, no external seals required.

BD-PFC-039-F7 Rev.1 (April 2017)

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

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