

HA1 – LED Ex Proof



The **HA1 LED** is a high-performance Ex Proof **LED** indoor and outdoor luminaire, designed for Zone 1, Zone 2, Zone 21 and 22 hazardous areas. Energy efficient technology offers an excellent lumen package and long life time. Elegant design with robust structure with versatile mounting options and easy installation. Compact size and light weight, connection for junction box, simple to wiring, versatile mounting options and easy maintenance. The luminaires are suitable for low mounting heights.

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 d IIC T6 Gc / Ex tc IIIC T85° Dc

Ingress Protection: IP66



AGENTS

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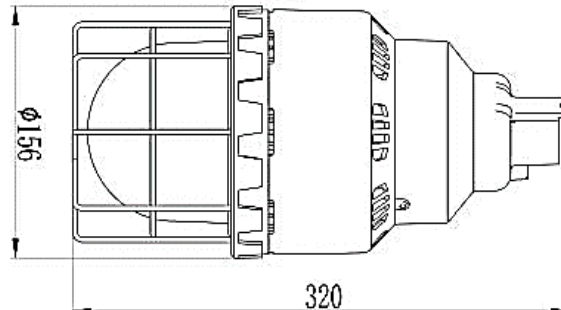
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Purcee Industrial Controls
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Dimensions



Product Specification

Model Name	HA1-20W	HA1-30W	HA1-40W
Power Consumption	21W	30W	44W
Colour Temperature	5000K		
Luminous efficacy Lm/W	120Lm /W		
Luminous Flux	2693lm	3516lm	5117lm
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 (220V / full load)		
Ambient Temperature	-40 to +55°C		
Weight	3.8kg		
Rated Lifetime	>60 000 Hours (L70/B10)		
Beam Angle	180°		
Ingress Protection	IP66		
Cable Entry	M25x1.5		
Installation	Pendant / ceiling / wall / pole 30° / wall 30°		
Dimensions			

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.

BD-PFC-041-F7 Rev.1 (April 2017)

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

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