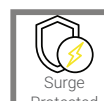


NLEDEx Linear

Zone 1 Group IIC



Management System
ISO 9001:2015
www.tuv.com
ID: 910587029



Overview

- **High-Performance Luminaire:**
The NLEDEX is an industrial vapour-proof fitting suitable for demanding environments.
- **Versatile Applications:**
Commonly used in corrosive environments and industrial settings, available in various lengths and wattages.
- **Flexibility in Installation:**
Designed to suit any application with flexibility in mounting heights.
- **Robust Construction**
Made from compression-moulded glass fibre reinforced polyester with a tempered glass lens.
- **Durability:**
Rated IP65 and IK08, the luminaire is robust, can operate in a wide range of ambient temperatures, and includes 2kV surge protection.
- **Energy Efficiency:**
Ensures high energy efficiency and long-lasting performance, optimizing energy consumption and reducing operational costs.

Applications



Mining and
Surface Areas



Oil and Gas



Hazardous
Areas



Industrial



Outdoor Areas



Indoor Areas

Linear - Hazardous - Industrial

PERFORMANCE DATA

Model Name	NLEDEx 4ft 67	NLEDEx 4ft 98	NLEDEx 5ft 67	NLEDEx 5ft 98
Wattage (W) +- 5% variance	67 W	98 W	67 W	98 W
Nominal Flux (Lumen)	8924	12936	8924	12936
System Flux (Lumen)	6767	9898	6767	9898
System Efficacy (lm/W)	101 lm/W	101 lm/W	101 lm/W	101 lm/W

ELECTRICAL OPERATING DATA

Driver Type	Constant Current
Voltage input, Frequency and Power Factor	230VAC +- 10% / 50 or 60Hz / PF > 0.96
Running Current	0.32A @ 67W / 0.47A @ 98W
Allowed Operating Temperature	-20° C to +40° C
Electrical and Thermal Protection	2kV L/N to Earth, 1kV L to N, Thermal Cutout Protection

LED CHARACTERISTICS AND OPTIC DATA

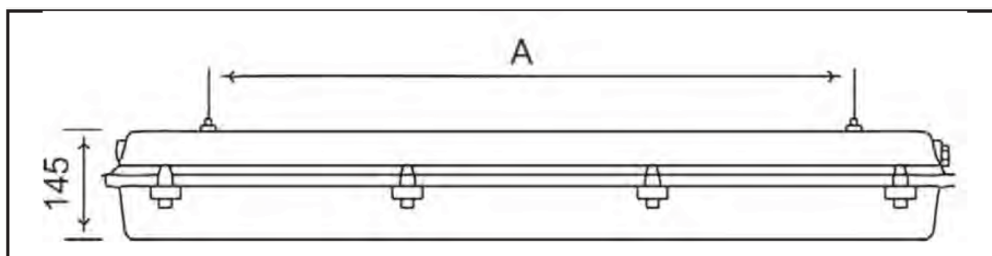
Available Optics	120° Standard
Expected LED Lifespan	>100000 hours @ L70B10 25°C (According to LM-80-08)
Colour Rendering Index (CRI)	>80
Correlated Colour Temperature (CCT)	5000K Standard, 6000K and 4000K available as options on special request
IES Files	Available on request, Professional Lighting Design services available at no cost

PRODUCT MATERIAL AND INSTALLATION

Housing Material and Finish	DMC (Dough mould compound) Fibreglass Reinforced, Beige as standard other colours available on special request
Lens and Gasket	Polycarbonate lens / Rubber Silicone gasket cemented into groove
Ingress Protection and IK Rating	IP65 / IK08
Mounting and Installation options	Wall, Pole and Ceiling mountings available

Certifications and Standards Compliance

Standards compliance	SANS 60079-0 / SANS 60079-7 / SANS 60079-18 / SANS 60589-1
ISO QMS	9001:2015



Dimensions and Packaging

Model	NLEDEx 4ft	NLEDEx 5ft
Dimensions (Length x Width x Height) in mm	1400 x 176 x 145	17040 x 176 x 145
Weight (Unit / Packaged) in kg	11.4 / 11.6	11.4 / 11.6

Miscellaneous

Contact Nordland	T: 010 442 2809	E: Sales@Nordland.co.za	W: https://Nordland-Lighting.com/
Warranty Details	5 Years (Limited)	T's and C's Available from Nordland	W: https://Nordland-Lighting.com/
Free Services Provided	Lighting Audits	Lighting Designs by Accredited Professionals	Lighting Specification Writing and Tender Detail Assistance

52 Fransen street, Chamdor, Krugersdorp, Johannesburg, South Africa

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