



**NORDLAND
LIGHTING®**



NLED-Ex Linear

Zone 1, 2, 21, 22



Management
System
ISO 9001:2015

www.nordland.com
ID: 9105087029



OVERVIEW

The NLED-ex is a Zone 1/2/21/22 hazardous area vapour proof luminaire designed for use in corrosive environments. This specialized fitting is manufactured from compression moulded glass fibre reinforced polyester and an injection moulded clear polycarbonate lens and 2 LED strips

as a light source. The luminaire is certified Exe. This tried and tested luminaire is widely used as a light of choice for petrochemical, industrial and other hazardous area applications where corrosion is a concern. This robust IP66/IK08 fitting is manufactured in 4ft and 5ft

with either 67W or 98W version. The use of a replaceable geartray provides the user with a fitting that is futureproofed for longevity hence saving long term cost and providing for swift and simple maintenance.

APPLICATIONS



INDOOR
AREAS



OUTDOOR
AREAS



INDUSTRIAL
ENVIRONMENTS



HAZARDOUS
AREAS



MINING AND
SURFACE AREAS



OIL AND GAS

LINEAR • HAZARDOUS • INDUSTRIAL

PERFORMANCE

Model Name	NLED-Ex Linear			
	4ft(1200mm)	4ft(1200mm)	5ft(1500mm)	5ft(1500mm)
Wattages	67	98	67	98
Nominal Lumens	8924,4	13053,6	8924,4	13053,6
System Lumens	6365lm	9212lm	6365lm	9212lm
System efficacy lm/W	111	111	111	111
Emergency Operation	6W @1hour 600lm EM version only			

LED AND OPTICS

Optics	120°
Expected lifetime	>50000
L70 rating	>50000 @25°C
Colour Rendering Index RA	>80
Colour Temperature	4000K

ELECTRICAL AND OPERATING

Driver	Ex approved Constant Current
Operating temperature	-20°C to +40°C
Input voltage/Frequency	220V-240 VAC \pm 10%, 50/60Hz
Input Current	0.321@67W; 0.470@98W
Power Factor	\geq 0.95
Surge Protection	2kV L/N to PE, 1 kV L to N
Other options	Through wired version available on request

PRODUCT MATERIALS AND INSTALLATION

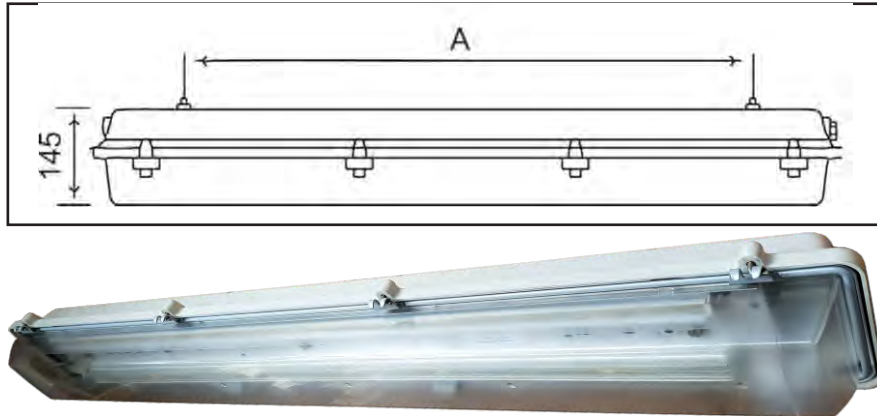
Housing	DMC (Dough mould compound) Fibreglass Reinforced
Lens	Clear Polycarbonate, Secured with Stainless steel Frame
Gasket	Neoprene sponge cemented into body
Finish	Beige DMC (Dough mould compound) Fibreglass Reinforced
Ingress Protection	IP66
IK Rating	IK08
Mounting Options	Wall, Pole, Ceiling
Spigot size	N/A

CERTIFICATIONS. STANDARDS

MASC S/18-1308X

Zone 1 and 2	Ex e mb IIC T4 Gb	Complies to SANS 60598-1
Zone 21 and 22	Ex tb IIIC T135°C Db	Complies to SANS 1464-22 (EM Version)
		Complies to SANS 60079-0

DIMENSIONS



DIMENSIONS AND PACKAGING

Model	NLED-Ex (4ft)	NLED-Ex (5ft)
Wattage	67, 98	67, 98
Dimensions mm (LxWxH)	1400 x 176 x 145	1704 x 176 x 145
Weight Kg (Unit / packaged)	11,4kg, 11,6kg	11,4kg, 11,6kg

ACCESSORIES

Pole clamp Bracket
Double entry on request only

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 lighting design for your application.

WARRANTY:

Warranty - 5 years

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