



NORDLAND
LIGHTING®



N60LED-Ex



Management
System
ISO 9001:2015
www.tuv.com
ID 910989793



OVERVIEW

The N60 Led-ex is a Zone 1/2/21/22 hazardous area vapour proof luminaire designed for use in highly corrosive environments. This specialized fitting is constructed from 304 stainless steel or marine grade 316 stainless steel with a 4mm clear tempered glass lens with 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. This robust IP65/IK08 fitting is manufactured in a 2ft version with 600mm 35W or 51W strips and a 4ft version with 1200mm 67W

and 98W strip. 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. A stainless steel wire guard is available on request for the 4ft luminaire

APPLICATIONS



INDOOR
AREAS



OUTDOOR
AREAS



INDUSTRIAL
ENVIRONMENTS



HAZARDOUS
AREAS



MINING AND
SURFACE AREAS



OIL AND GAS

PETROCHEMICAL • HAZARDOUS • LINEAR

PERFORMANCE

Model Name	N60LED-Ex Linear			
	2ft(600mm)	2ft(600mm)	4ft(1200mm)	4ft(1200mm)
Wattages	35	51	67	98
Nominal Lumens	3822	5569	7340	10701
System Lumens	3185	4641	6117	8918
System efficacy lm/W	91	91	91	91
Emergency Operation	6W @1hour 600lm EM version only			

LED AND OPTICS

Optics	120 degree standard
Expected lifetime	>100000
L70 rating	>100000 @65°C (L70/B10)
Colour Rendering Index RA	>80
Colour Temperature	5000K

ELECTRICAL AND OPERATING

Driver	Ex approved Constant current
Operating temperature	-20°C to +70°C
Input voltage/Frequency	230VAC ± 10%, 50/60Hz
Input Current	0,168A@35W; 0,265A@51W; 0,321A@67W; 0,470A@98W
Power Factor	>=0.97
Surge Protection	2kV L/N to PE, 1kV L to N / Thermal Cutout Protection Additional 10kV Surge Protection / 12kV AND 20kV on request.
Other options	Through wired versions available on request

PRODUCT MATERIALS AND INSTALLATION

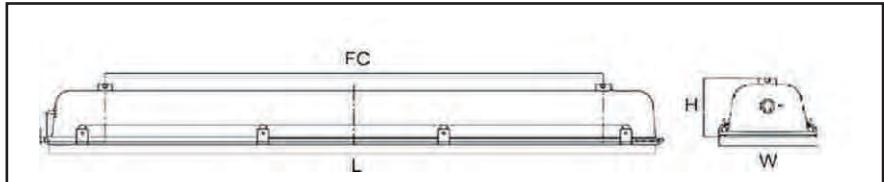
Housing	Grade 304 Stainless steel. Grade 316 Stainless available on request
Lens	4mm Clear Tempered Glass
Gasket	Single extrusion Rubber Silicone cemented onto frame
Finish	Pickled and passivated Stainless Steel
Ingress Protection	IP65
IK Rating	IK08
Mounting Options	Wall, Pole, Ceiling
Spigot size	N/A

CERTIFICATIONS. STANDARDS

MASC S/18-1754X

Zone 1 and 2	Ex e mb IIC T4 Gb	Complies to SANS 60598-1
Zone 1	Ex db IIC T5 Gb	Complies to SANS 1464-22 (EM Version)
Zone 21 and 22	Ex tb IIIC T135°C Db	Complies to SANS 60079-0

DIMENSIONS



DIMENSIONS AND PACKAGING

Model	N60 LEDEx (2ft)	N60 LEDEx (4ft)
Wattage	35, 51	67, 98
Dimensions mm (LxWxH)	790 x 219 x 135	1370 x 219 x 135
Fixing Centres	490mm	1100mm
Weight Kg (Unit / packaged)	6kg, 6,2kg	9,1kg, 9,3kg

ACCESSORIES

Pole clamp Bracket
Wire Guard
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 - 5years

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