



**NORDLAND
LIGHTING®**



N50-Ex ec LED Linear

Zone 2, 21, 22



Management
System
ISO 9001:2015
www.tuv.com
ID 9105087029



OVERVIEW

The N50 Ex ec LED is a Zone 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. The LED strips are covered with a

polycarbonate diffuser. The driver LED strips and terminal block are all Ex ec certified components. This tried and tested luminaire is widely used as a light of choice within the oil and gas, petrochemical, marine and other hazardous area applications. This robust IP65/IK08 fitting is manufactured in a 2ft version with a

600mm 25W strip and a 4ft version with a 1200mm 47W 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

HAZARDOUS • PETRO CHEMICAL • LINEAR

PERFORMANCE

Model Name	N50 LED		
	2ft(600mm)	4ft(1200mm)	4ft(1200mm)
Wattages	25	35	47
Nominal Lumens	3330	4662	6260
System Lumens	2775	3885	5217
System efficacy lm/W	111	111	111
Emergency Operation	6W @1hour 600lm EM versions only		

LED AND OPTICS

Optics	120° deg standard
Expected lifetime	>80000 @80°c (L70/B10)
Colour Rendering Index	>80
Colour Temperature	5000K standard, 4000K and 5000K available on special request
IES Files	Available on request

ELECTRICAL AND OPERATING

Driver	Ex approved Constant current
Operating temperature	-20°C to +40°C
Input voltage/Frequency	220V-240V AC, 50/60Hz
Input Current	0,113A @25W; 0,159A @35W; 0,214A @47W
Power Factor	>=0.97
Surge Protection	2kV L/N to PE, 1kV L to N / Additional 10 kV Surge Protection / 12kV AND 20kV on request
Other options	Through wired versions available on request

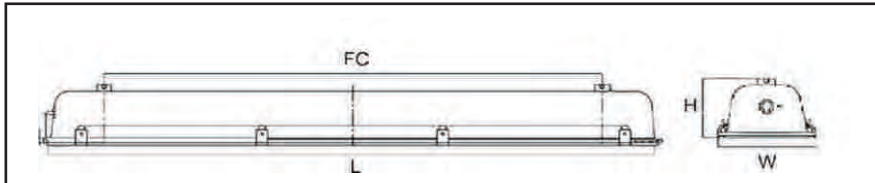
PRODUCT MATERIALS AND INSTALLATION

Housing	Grade 304 Stainless Steel, Grade 316 Stainless Steel 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/19-0806X	EX	
Zone 2	Ex ec IIC T5 Gc	Complies to SANS 60598-1
	Ex ec mc IIC T4 Gc	
Zone 21/22	Ex tb IIIC T100°C Db	Complies to SANS 1464-22 (EM Version)
	Ex tb IIIC T135°C Db	

DIMENSIONS



Please Note:

Wired gear trays are available separately for all the mentioned models.

DIMENSIONS AND PACKAGING

Model	N50 LED (2ft)		N50 LED (4ft)	
Wattage	25		35, 47	
Dimensions mm (LxWxH)	790 x 219 x 135		1370 x 219 x 135	
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 - 5 years

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