

NFU

Zone 1 Group I



Made in RSA



Management System
ISO 9001:2015

www.tuv.com
ID: 3105357023



Overview

- **High-Performance Luminaire:**
The NFU is an industrial vapour-proof fitting suitable for demanding environments.
- **Versatile Applications:**
Commonly used in underground hazardous environments and mining sectors.
- **Flexibility in Installation:**
Designed to suit any application with flexibility in mounting heights.
- **Robust Construction**
Made from superior quality 304 stainless steel 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



Industrial



Hazardous
Areas



Underground
Areas

Flood - Hazardous - Mining

PERFORMANCE DATA

Model Name	NFU 2ft 50
Wattage (W) +- 5% variance	50 W
Nominal Flux (Lumen)	6794
System Flux (Lumen)	5661
System Efficacy (lm/W)	111 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	0.24A @ 50W
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	>54000 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

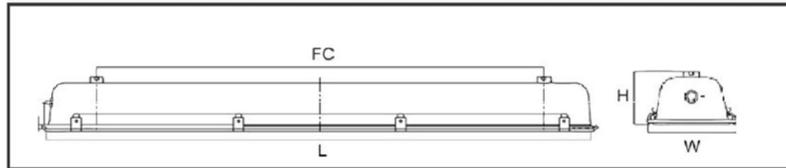
Housing Material and Finish	304 grade Stainless Steel, 316 Stainless Steel available on special request
Lens and Gasket	6mm Tempered glass lens / Single extrusion rubber gasket cemented into groove
Ingress Protection and IK Rating	IP65 / IK08
Mounting and Installation options	Cable, Wall, Pole and Ceiling mountings available

Certifications and Standards Compliance

Standards compliance	SANS 60589-1, SANS 60079
ISO QMS	9001:2015
Ex compliance	MASC MS/24-8311X, Ex eb mb I Mb

Dimensions and Packaging

Model	NFU 2ft 50
Dimensions (Length x Width x Height) in mm	719 x 219 x 135
Weight (Unit / Packaged) in kg	6.0 / 6.2



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

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