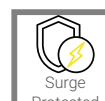


NMFP LEDEx Flood

Zone 1 / 2 / 21 / 22



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



Overview

The NMFP LEDEx Modular LED Floodlight is built to withstand harsh and hazardous environments, featuring:

- **High Lumen Output:**
Each standalone module emits high lumen output.
- **Modular Design:**
Modules can be combined in various configurations to achieve the desired lumen package.
- **Programmable Driver:**
Includes a driver with 4kV surge protection, enhancing energy efficiency and extending product life.
- **Robust Construction**
IP66 and IK08 ratings for protection against water, dust and impacts.
- **Made fit for purpose**
Zone 1 approved Ex luminaire, ensuring safety and compliance in Hazardous areas.
- **Patented design**
Patented technology used in the NMFP LEDEx showcasing the innovative design ethos of Nordland's R&D team.

Applications



Hazardous Areas



Flood and Mast Lighting



Port Lighting



Security Lighting



Mining and Surface Areas



Oil and Gas



Industrial



Outdoor Areas



Indoor Areas

Modular - Hazardous - Floodlight

PERFORMANCE DATA

Model Name	NMFP LEDEx 100	NMFP LEDEx 200	NMFP LEDEx 300	NMFP LEDEx 400
Wattage (W) +- 5% variance	100 W	200 W	300 W	400 W
Nominal Flux (Lumen)	11960	23920	35880	47840
System Flux (Lumen)	10400	20800	31200	41600
System Efficacy (lm/W)	104 lm/W	104 lm/W	104 lm/W	104 lm/W

ELECTRICAL OPERATING DATA

Driver Type	EX Approved, Constant Current, Programmable
Voltage input, Frequency and Power Factor	230VAC +- 10% / 50 or 60Hz / PF > 0.96
Running Current	0.49A @ 100W / 0.98A @ 200W / 1.47A @ 300W / 1.96A @ 400W
Allowed Operating Temperature	-20° C to +40° C
Electrical and Thermal Protection	4kV L/N to Earth, 2kV L to N, Thermal Cutout Protection

LED CHARACTERISTICS AND OPTIC DATA

Available Optics	120° Standard
Expected LED Lifespan	>54000 hours @ L70B10 85°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 Designer services available at no cost

PRODUCT MATERIAL AND INSTALLATION

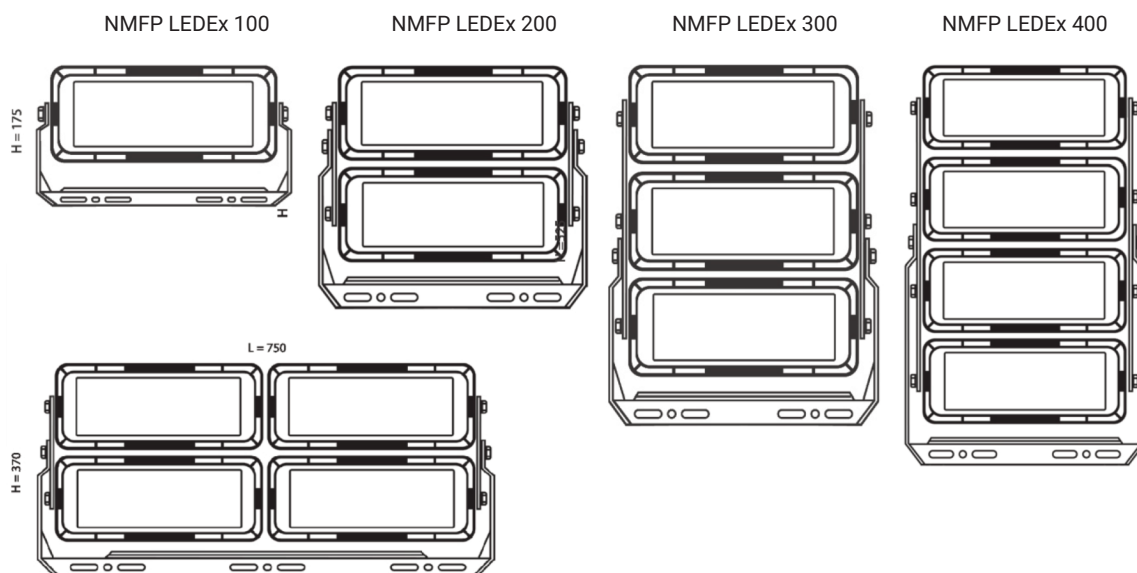
Housing Material and Finish	High Pressure, Die cast aluminium, Powder Coated Dark Grey (Other colours available on request)
Lens and Gasket	6mm Tempered glass lens / Rubber Silicone gasket cemented into groove
Ingress Protection and IK Rating	IP66 / IK08
Mounting and Installation options	Flood trunnion arm as standard, Wall, Pole and Ceiling mountings available on request

Certifications and Standards Compliance

EX / Standards compliance	SANS 60079-0 / 60079-7 / 60079-18 / 60589-1
Ex Classification and ratings	Ex eb mb IIC T4 Gb (Gas Zones 1 and 2) Ex tb IIIC T135° C Db (Dust Zones 21 and 22)
Ex Certification	MASC S/24-8197X
Mounting and Installation options	Flood trunnion arm as standard, Wall, Pole and Ceiling mountings available on request

Dimensions and Packaging

Model	NMFP LEDEx 100	NMFP LEDEx 200	NMFP LEDEx 300	NMFP LEDEx 400
Dimensions (Length x Width x Height) in mm	375 x 175 x 160	375 x 370 x 160	375 x 525 x 160	375 x 740 x 160
Weight (Unit / Packaged) in kg	3.9 / 4.1	7.8 / 8.0	11.7 / 11.9	15.6 / 15.8



Miscellaneous

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

52 Fransen str, Chamdor, PO Box 2465, Noordheuwel Ext 4, 1756, South Africa

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