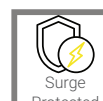
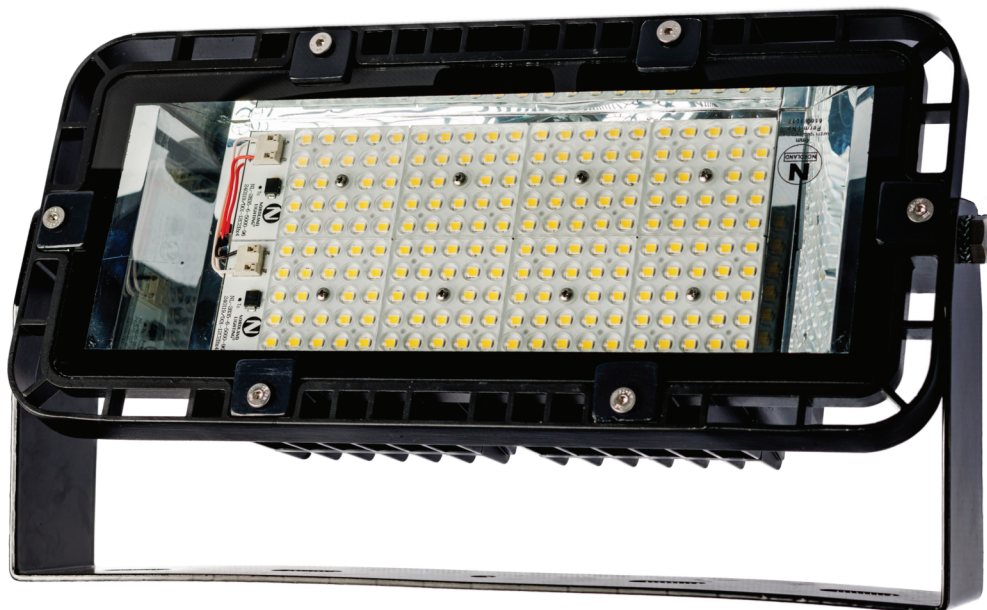


NMFD LED Flood



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



Overview

The NMFD LED Modular LED Floodlight is built to withstand harsh environments, providing superior lumen performance 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.
- **DC Driver:**
Includes a 24V DC driver with Fused 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**
Immense lumen per watt performance and 24VDC input voltage ensures every application is completed efficiently.
- **Unique design**
Unique heat sink design used in the NMFD LED showcasing the innovative design ethos of Nordland's R&D team.

Applications



Sports Lighting



Flood and Mast Lighting



Port Lighting



Security Lighting



Mining and Surface Areas



Oil and Gas



Industrial



Outdoor Areas



24VDC applications

Modular - DC Input - Floodlight

PERFORMANCE DATA

Model Name	NMFD LED 100	NMFD LED 200	NMFD LED 300	NMFD LED 400
Wattage (W) +- 5% variance	100 W	200 W	300 W	400 W
Nominal Flux (Lumen)	18975	37950	56925	75900
System Flux (Lumen)	16500	33000	49500	66000
System Efficacy (lm/W) +- 5%	165lm/W	165m/W	165lm/W	165lm/W

ELECTRICAL OPERATING DATA

Driver Type	Constant Current, Programmable
Voltage input, Frequency and Power Factor	24VDC
Running Current	0.49A @ 100W / 0.98A @ 200W / 1.47A @ 300W / 1.96A @ 400W
Allowed Operating Temperature	-15° C to +35° C
Electrical and Thermal Protection	Fused protection

LED CHARACTERISTICS AND OPTIC DATA

Available Optics	30° 60° 90° 120°
Expected LED Lifespan	>100000 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 Designer services available at no cost

PRODUCT MATERIAL AND INSTALLATION

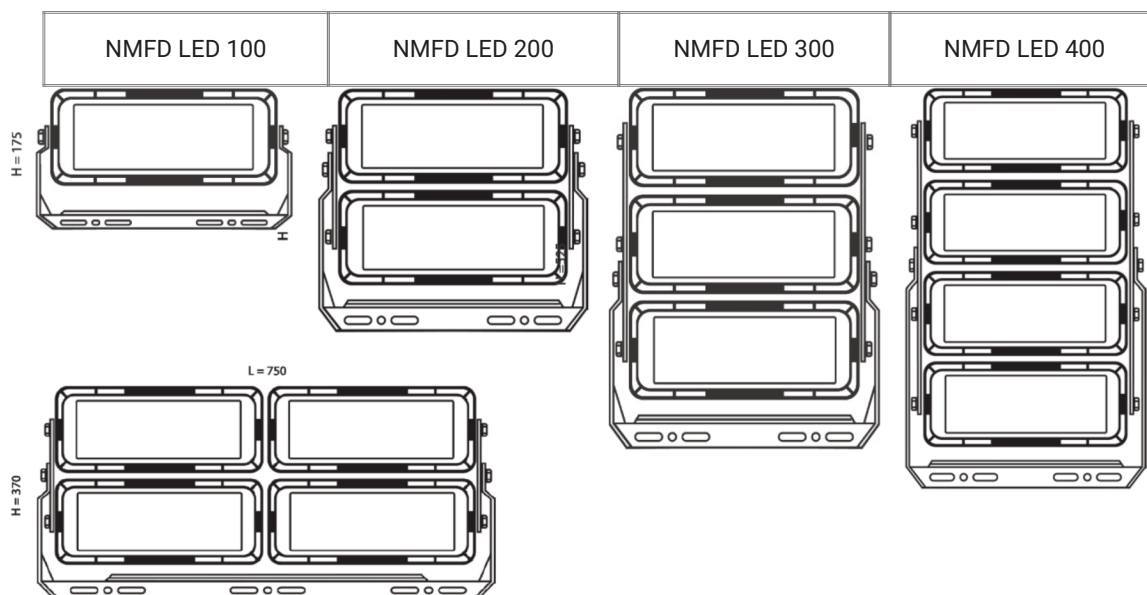
Housing Material and Finish	High Pressure, Die cast aluminium, Powder Coated Dark Grey (Other colours available on request)
Lens and Gasket	6mm Tempered glass lens / Rubber Silicone gasket cemented into groove
Ingress Protection and IK Rating	IP66 / IK08
Mounting and Installation options	Flood trunnion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

Certifications and Standards Compliance

Standards compliance	SANS 60589-1\ 60598-2-5
ISO QMS complaint	ISO 9001 : 2015

Dimensions and Packaging

Model	NMFD LED 100	NMFD LED 200	NMFD LED 300	NMFD LED 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://www.nordland-lighting.com/
Warranty Details	5 Years (Limited)	T's and C's Available from Nordland	W: https://www.nordland-lighting.com/
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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