

NMF LED Flood



Made in RSA



Management System
ISO 9001:2015
www.tuv.com
ID: 310587023



Overview

The NMF 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.
- **Programmable Driver:**
Includes a driver with 10kV 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**
Immense lumen per watt performance ensures every application is completed efficiently.
- **Unique design**
Unique heat sink design used in the NMF 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



Highway applications

Modular - Efficient - Floodlight

PERFORMANCE DATA

Model Name	NMF LED 145	NMF LED 290	NMF LED 435	NMF LED 580
Wattage (W) +- 5% variance	145 W	290 W	435 W	580 W
Nominal Flux (Lumen)	29181	58362	87543	116725
System Flux (Lumen)	25375	50750	76125	101500
System Efficacy (lm/W) +- 5%	175lm/W	175lm/W	175lm/W	175lm/W

ELECTRICAL OPERATING DATA

Driver Type	Constant Current, Programmable
Voltage input, Frequency and Power Factor	230VAC +- 10% / 50 or 60Hz / PF > 0.96
Running Current	0.69A @ 145W / 1.38A @ 290W / 20.6A @ 435W / 2.75A @ 580W
Allowed Operating Temperature	-15° C to +35° C
Electrical and Thermal Protection	10kV L/N to Earth, 2kV L to N, Thermal Cutout Protection, 20kV on request

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

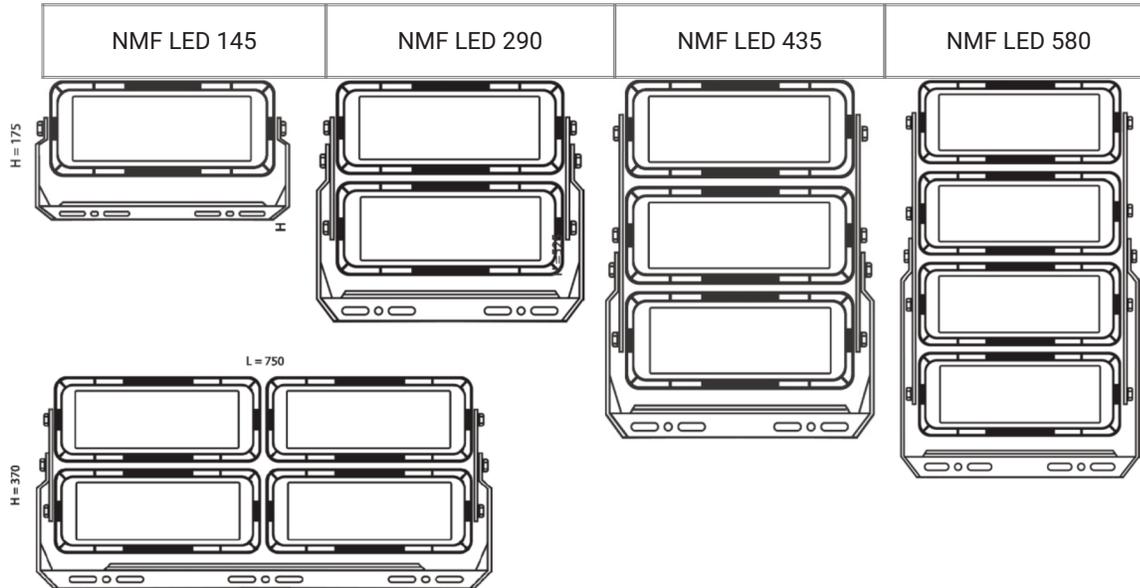
Housing Material and Finish	High Pressure, Die cast aluminium, Powder Coated Dark Grey (Other colours available on request)
Lens and Gasket	6mm Tempered glass lens / Rubber Silicone gasket cemented into groove
Ingress Protection and IK Rating	IP66 / IK08
Mounting and Installation options	Flood trunnion 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 compliant	ISO 9001 : 2015

Dimensions and Packaging

Model	NMF LED 145	NMF LED 290	NMF LED 435	NMF LED 580
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

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