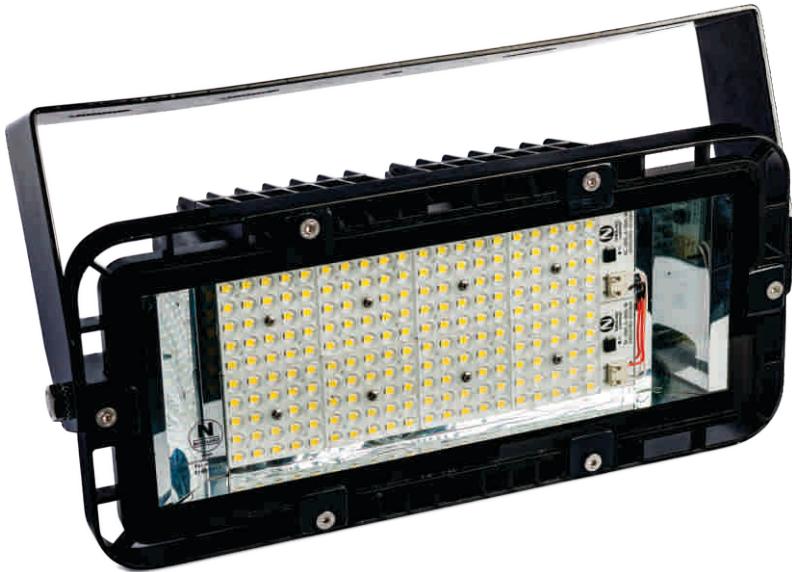




**NORDLAND**  
**LIGHTING®**



IP  
RATED

IK  
RATED

LED

ENERGY SAVING

SURGE PROTECTION

MADE IN SA



Management  
System  
ISO 9001:2015  
www.tuv.com  
ID: 9109887929



## NMFP Modular Flood

Zone 2, 21, 22

### OVERVIEW

The NMFP Modular LED Floodlight, is an extremely robust IP66, IK08 luminaire designed to withstand the harshest outdoor applications.

Manufactured in high pressure die cast LM 6 grade aluminium with a powder coated finish, tempered glass lens making it ideal for both inland and coastal conditions particularly where exposed to salt spray and coastal fog.

The key features of these units are as follows.

Each standalone module emits a very high lumen output. Modules can be bracketed together in various arrays to make a multi module unit that

produces the lumens required for any application. The high output LED chips are offered in colour temperatures ranging from 3000k to 6500k which together with a variety of precise optics from 30 to 120 degrees provides the versatility needed for high mountings as well as eliminating glare where individual modules are mounted at lower mounting heights where glare can lead to accidents in difficult working conditions.

The luminaires are supplied standard with a programmable Constant Light Output Driver with 10kV surge protection. The use of the CLO driver provides the opportunity to maximise

on energy efficiency and extend the useful lives of the products well beyond the normal expected lifetime, a feature that is not only environmentally appropriate, but also especially important where maintenance is difficult.

Applications include high mast lighting, port lighting, security lighting, sports facility lighting, roadway and toll gate lighting as well as in general floodlighting both in inland and coastal areas.

On request, the luminaire can be supplied with a wire guard.

### APPLICATIONS



INDOOR  
AREAS



OUTDOOR  
AREAS



SPORTS  
FACILITIES



INDUSTRIAL  
ENVIRONMENT  
SURFACE AREAS



MINING AND  
GAS  
SURFACE AREAS



OIL AND GAS



WASHBAYS



HAZARDOUS  
AREAS

MODULAR • INDUSTRIAL • FLOODLIGHT

## PERFORMANCE

Model Name	NMFP LED	NMFP LED	NMFP LED	NMFP LED
Wattages	100W	200W	300W	400W
Nominal Lumens	18533lm	37720lm	56580lm	75440lm
System Lumens	16116lm	32800lm	49200lm	65600lm
System efficacy lm/W	164lm/W	164lm/W	164lm/W	164lm/W

## LED AND OPTICS

Optics	30, 60, 90, 120 available on request
Expected lifetime	>100000
L70 rating	>100000 @65°C (L70/B10)
Colour Rendering Index RA	>80
Colour Temperature	5000K standard, 3000K, 4000K, 6500K available on request
IES Files	Nordland can provide custom wattage IES files on request on both the normal and EX fittings.

## ELECTRICAL AND OPERATING

Driver	Ex approved Programmable Constant Current
Operating temperature	-20°C to +60°C
Input voltage/Frequency	230VAC ±10%, 50/60Hz
Input Current	0,490 @100W; 0,980 @200W, 1,470 @300W; 1,960 @400W
Power Factor	>0.97
Surge Protection	4kv L/N to PE, 2kv L to N / Thermal Cutout Protection / Additional 10kV Surge Protection / 12kV AND 20 kV on request.

## PRODUCT MATERIALS AND INSTALLATION

Housing	High Pressure Die cast LM6 Aluminium, Powder coated
Lens	Tempered Glass
Gasket	Rubber silicone cemented into groove
Finish	Powder Coated Black
Ingress Protection	IP66
IK Rating	IK08
Mounting Options	Flood Trunnion arm standard, Wall, Pole, Ceiling mounts optional

## CERTIFICATIONS. STANDARDS

MASC S/24-2042X

### ZONE 2

Ex ec mb IIC T4 Gc

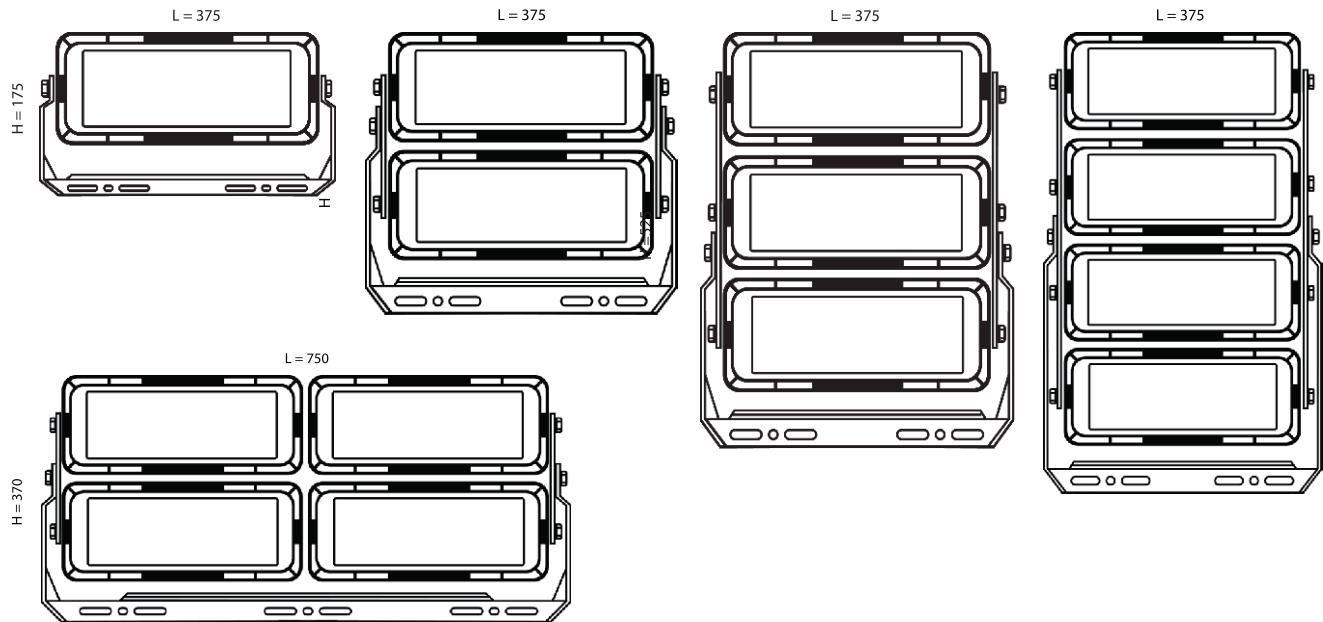
Complies to SANS 60598-1

Ex db ec mb IIC T5 Gc

### ZONE 21 and 22

Ex tb IIIC T85°C Db

## DIMENSIONS



## DIMENSIONS AND PACKAGING

Model	NMF LED				
Wattage	100W	200W	300W	400W	400W
Dimensions mm (LxWxH)	375x175x160	375x370x160	375x525x160	375x740x160	750x370x160
Weight Kg (Unit / packaged)	3.9 / 4.1	7.8 / 8	11.7 / 11.9	15.6 / 15.8	15.6 / 15.8

## 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:

Luminaire: 5 years

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South Africa

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Nordland reserves the right to change any specification or design without prior notice.