



**NORDLAND  
LIGHTING®**



Management System  
ISO 9001:2015  
www.nld.com  
ID: 8108087029



## NMFP LEDEX Modular Flood

Zone 1 / 2 / 21 / 22

### OVERVIEW

The NMFP LEDEX 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 a colour temperature of 5000K

The luminaires are supplied standard with a programmable Driver with 4kV surge protection.

The use of the programable 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 hazardous lighting, high mast lighting, port lighting, security lighting, facility 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 ENVIRONMENTSSURFACE AREAS



MINING AND 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	11960lm	23920lm	35880lm	47840lm
System Lumens	10400lm	20800lm	31200lm	41600lm
System efficacy lm/W	104lm/W	104lm/W	104lm/W	104lm/W

## LED AND OPTICS

Optics	120° available on request
Expected lifetime	>100000
L70 rating	>102000
Colour Rendering Index RA	>80
Colour Temperature	5000K
IES Files	Available on request

## ELECTRICAL AND OPERATING

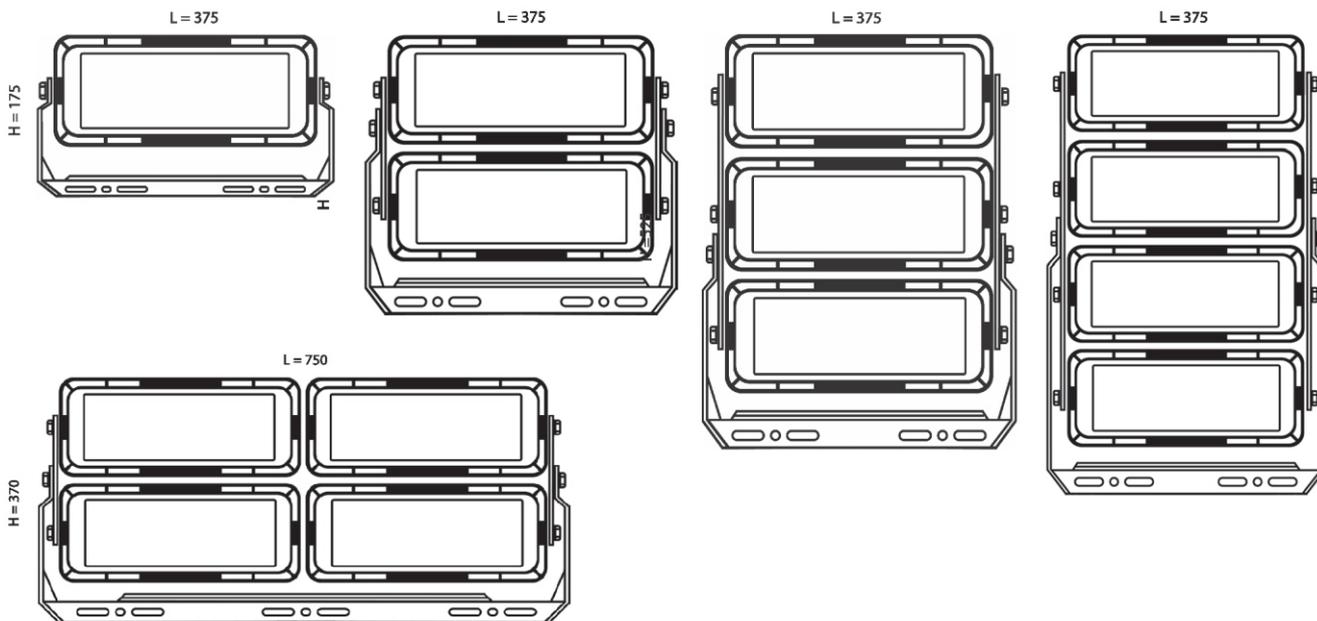
Driver	Ex approved Programmable Constant Current
Operating temperature	-20°C - +40°C
Input voltage/Frequency	220 - 240VAC $\pm$ 10%, 50/60Hz
Input Current	0,490 @100W 220VAC; 0,980 @200W, 1,470 @300W; 1,960 @400W
Power Factor	>0.96
Surge Protection	4kv L/N to PE, 2kv L to N
IES Files	Nordland can provide custom wattage IES files on request on both the normal and EX fittings.

## 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, Standard Dark Grey, Other colours available on request
Ingress Protection	IP66
IK Rating	IK08
Mounting Options	Flood Trunnion arm standard, Wall, Pole, Ceiling mounts optional
Spigot Size	N/A

<b>CERTIFICATIONS. STANDARDS</b>	MASC S/24-8197X	
<b>ZONE 1 and 2</b>	Ex eb mb IIC T4 Gb IP66	Complies to SANS 60598-1
<b>ZONE 21 and 22</b>	Ex tb IIIC T135°C Db IP66	

## DIMENSIONS



## DIMENSIONS AND PACKAGING

Model	NMFP LEDEx Zone 1 Modular Flood			
Wattage	100W	200W	300W	400W
Dimensions mm (LxWxH)	375x175x160	375x370x160	375x525x160	375x740x160
Weight Kg (Unit / packaged)	3.9 / 4.1	7.8 / 8	11.7 / 11.9	15.6 / 15.8

## ACCESSORIES

### 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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