



**NORLAND
LIGHTING®**



NMF Modular Flood

OVERVIEW

The NMF 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 4kV 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.

An emergency option is also available.

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

APPLICATIONS



INDOOR
AREAS



OUTDOOR
AREAS



SPORTS
FACILITIES



INDUSTRIAL
ENVIRONMENTS



MINING AND
SURFACE AREAS



OIL AND GAS



WASHBAYS

MODULAR • INDUSTRIAL • FLOODLIGHT

PERFORMANCE

Model Name	NMF LED	NMF LED	NMF LED	NMF LED
Wattages	145W	290W	435W	580W
Nominal Lumens	29181lm	58363lm	87544lm	116725lm
System Lumens	25375lm	50750lm	76125lm	101500lm
System efficacy lm/W	175lm/W	175lm/W	175lm/W	175lm/W
Emergency Operation (1hr)	5075lm	10150lm	15525lm	20300lm

LED AND OPTICS

Optics	30, 60, 90, 120 available on request
Expected lifetime	>100000
L70 rating	>102000 @25C
Colour Rendering Index RA	>80
Colour Temperature	5000K standard, 3000K, 4000K, 6500K available on request
IES Files	Available on request

ELECTRICAL AND OPERATING

Driver	Programmable, Self Adjusting, Constant Lumen Output
Operating temperature	-20°C - +40°C
Input voltage/Frequency	220 - 240VAC \pm 10%, 50/60Hz
Input Current	0,686 @140W; 1,372 @280W; 2,058 @420W; 2,743 @560W
Power Factor	>0.96
Surge Protection	4kv L/N to PE, 2kv L to N

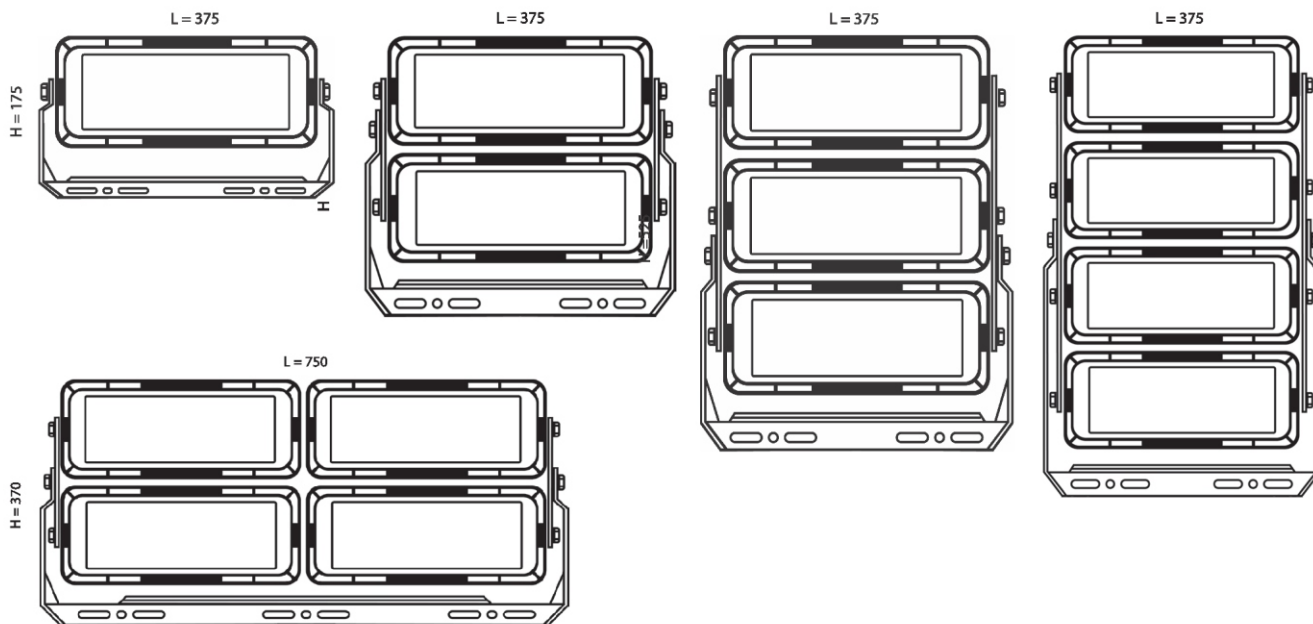
PRODUCT MATERIALS AND INSTALLATION

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

Complies to SANS 60598-1

Complies to SANS 1464-22 (EM Version)

DIMENSIONS**DIMENSIONS AND PACKAGING**

Model	NMF LED	NMF LED	NMF LED	NMF LED	NMF LED
Wattage	140W	280W	420W	560W	560W
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

ACCESSORIES

Extendable Power Cord (IP66)

Breather Optional

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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