

NTH LED Flood



Overview

The NTH LED Flood is your large space and mast illumination solution

- **High Lumen Output:**
The unit utilizes highly efficient LED chips to emit high lumen output.
- **Specialized Casting Design:**
The NTH LED Flood features a precision-engineered aluminium body for superior heat dissipation, strength, and long-lasting durability.
- **Programmable Driver:**
Includes a programmable driver with 4kV 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**
The NTH LED Flood is engineered for flood and area lighting applications, providing powerful, uniform illumination with exceptional durability and performance in demanding environments.
- **Innovative LED Design:**
The NTH LED Flood uses Nordland's custom LED modules for superior performance and reliability.

Applications



Flood and Mast Lighting



Port Lighting



Security Lighting



Mining and Surface Areas



Oil and Gas



Industrial



Outdoor Areas

Industrial - Efficient - Floodlight

PERFORMANCE DATA

Model Name	NTH LED Flood
Wattage (W) +- 5% variance	300 W (Lower wattages available on request)
Nominal Flux (Lumen)	64650
System Flux (Lumen)	45520
System Efficacy (lm/W)	151 lm/W

ELECTRICAL OPERATING DATA

Driver Type	Constant Current, Programmable
Voltage input, Frequency and Power Factor	230VAC +- 10% / 50 or 60Hz / PF > 0.97
Running Current	1.45A @ 300W
Allowed Operating Temperature	-20° C to +45° C
Electrical and Thermal Protection	10kV Standalone / 4kV L/N to Earth, 2kV L to N Driver, Thermal Cutout Protection

LED CHARACTERISTICS AND OPTIC DATA

Available Optics	120° Standard, 30° , 60° , 90° optic also available
Expected LED Lifespan	>54000 hours @ L70B10 85°C (According to LM-80-08)
Colour Rendering Index (CRI)	>80
Correlated Colour Temperature (CCT)	5000K Standard, 6000K and 4000K available as options on 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	60589-1
ISO QMS	9001:2015

Dimensions and Packaging

Model	NTH LED Flood
Dimensions (Length x Width x Height) in mm	488 x 317 x 125
Weight (Unit / Packaged) in kg	8.9 / 9.1

Miscellaneous

Contact Nordland	T: 010 442 2809	E: Sales@Nordland.co.za	W: https://nordland-lighting.com/
Warranty Details	5 Years (Limited)	T's and C's Available from Nordland	W: https://nordland-lighting.com/
Free Services Provided	Lighting Audits	Lighting Designs by Accredited Professionals	Lighting Specification Writing and Tender Detail Assistance

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