

# NGB LED PRO



Made in RSA



Management System  
ISO 9001:2015  
www.tuv.com  
ID: 910587029



## Overview

- **Versatile Usage:**  
The NGB LED Pro luminaire is suitable for various indoor and outdoor applications, including industrial environments, emergency lighting, oil and gas facilities and mining areas.
- **High Efficiency and Longevity:**  
It offers superior lumen output, energy efficiency, and a long lifespan, ensuring bright and enduring illumination while optimizing energy consumption.
- **Uniform Lighting:**  
Provides uniform and glare-free illumination with a wide beam angle, enhancing visibility and creating a comfortable, well-lit environment.
- **Accurate Color Rendering:**  
Excels in colour rendering, guaranteeing accurate and vibrant lighting for enhanced visibility.
- **Durable and Reliable:**  
Features instant start capabilities without flickering, built to withstand impacts and vibrations, ensuring reliable performance even in challenging conditions with an IP rating of 66 for dust and water resistance.
- **Easy Installation:**  
Simplified installation with multiple mounting options, including ceilings, walls, and poles. Crafted with quality materials, it's a customizable and versatile lighting solution tailored to diverse requirements.

## Applications



Walkway Lighting



Flood Lighting



Port Lighting



Security Lighting



Mining and Surface Areas



Oil and Gas



Industrial



Outdoor Areas



Indoor Areas

Industrial - Bulkhead - Floodlight

## PERFORMANCE DATA

NGB LED PRO	NGB LED PRO 40	NGB LED PRO 55	NGB LED PRO 72	NGB LED PRO 102	NGB LED PRO 120
Wattage (W) +- 5% variance	40 W	55 W	72 W	102 W	120 W
Nominal Flux (Lumen)	7820	11730	15640	20176	23736
System Flux (Lumen)	6720	10080	13440	17544	20640
System Efficacy (lm/W)	172 lm/W	172 lm/W	172 lm/W	172 lm/W	172 lm/W
Emergency Operation	6W @ 1 hour 1020lm	6W @ 1 hour 1020lm	6W @ 1 hour 1020lm	6W @ 1 hour 1020lm	6W @ 1 hour 1020lm

## ELECTRICAL OPERATING DATA

Driver Type	Constant Current, Programmable
Voltage input, Frequency and Power Factor	230VAC +- 10% / 50 or 60Hz / PF > 0.96
Running Current	0.192A @ 40W / 0.265A @ 55W / 0.347A @ 72W / 0.492A @ 102W / 0.579A @ 120W
Allowed Operating Temperature	-20° C to +40° 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	120° Standard and 30°, 60°, 90° Optional
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 special request
IES Files	Available on request, Professional Lighting Design services available at no cost

## PRODUCT MATERIAL AND INSTALLATION

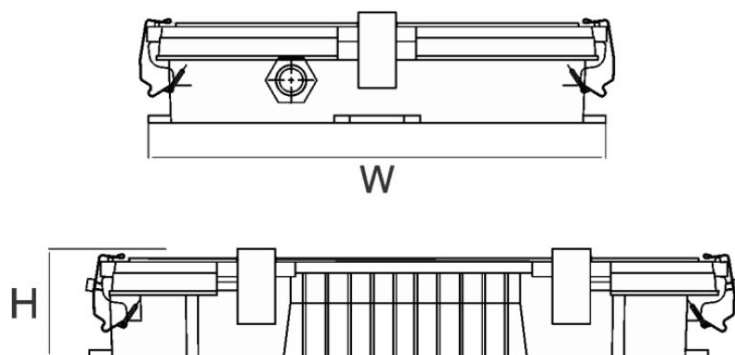
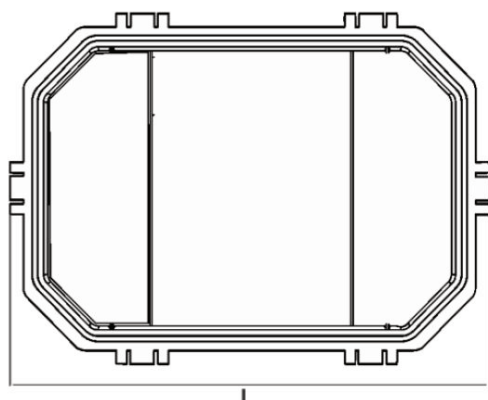
Housing Material and Finish	High Pressure, Die cast aluminium, Powder Coated Dark Grey (Other colours available on request)
Lens and Gasket	4mm Tempered glass lens / Rubber Silicone gasket cemented into groove
Ingress Protection and IK Rating	IP66 / IK08
Mounting and Installation options	Wall and Ceiling as standard, Flood trunnion arm and Pole mountings available on request

## Certifications and Standards Compliance

Standards compliance	SANS 60589-1 / SANS 1464 - 22 (EM Versions)
ISO QMS	9001:2015

## Dimensions and Packaging

Model	NGB LED PRO 40	NGB LED PRO 55	NGB LED PRO 72/102/120
Dimensions (Length x Width x Height) in mm	425 x 305 x 75	425 x 305 x 75	425 x 305 x 75
Weight (Unit / Packaged) in kg	6.0 / 6.2	6.0 / 6.2	6.1 / 6.3



## Miscellaneous

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

52 Fransen street, Chamdor, Krugersdorp, Johannesburg, South Africa

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