



**NORDLAND  
LIGHTING®**



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



## NSB Shaft Bottom

### OVERVIEW

The NSB Shaft Bottom LED luminaire is designed for use in shaft bottom and other damp environments. While originally designed primarily for use in wash bays and as a shaft bottom luminaire in underground mining applications, this versatile, robust IP67/IK08 dust and waterproof

fitting is suitable for use both underground and above surface in mining and industrial applications. The NSB Shaft Bottom LED is a high lumen, 360-degree light output luminaire with a housing constructed from UV stabilized polycarbonate with a clear flame retarded polycarbonate lens.

The cable connections are provided via IP68 Glands and installation is made easy via a power connection box. On request the NSB Shaft Bottom luminaire can be provided with a steel protector cage.

### APPLICATIONS



INDOOR  
AREAS



OUTDOOR  
AREAS



INDUSTRIAL  
ENVIRONMENTS



MINING AND  
SURFACE AREAS

HAULAGE • SHAFT BOTTOM • MINING

## PERFORMANCE

Model Name	NSB Shaft Bottom LED
Wattages	22W
Nominal Lumens	3190lm
System Lumens	2794lm
System efficacy lm/W	127lm/W

## LED AND OPTICS

Optics	360° standard
Expected lifetime	>50000
L70 rating	>50000 @40C L70B10
Colour Rendering Index RA	>80
Colour Temperature	6500K

## ELECTRICAL AND OPERATING

Driver	LED Constant Current, Selectable Current
Operating temperature	-20°C to +40°C
Input voltage/Frequency	110 and 240 VAC $\pm$ 10%, 30 - 36 VAC, 50/60 Hz
Input Current	0,104 @22W 220 VAC; 0,689 @22W 32VAC
Power Factor	$\geq$ 0.94
Surge Protection	N/A

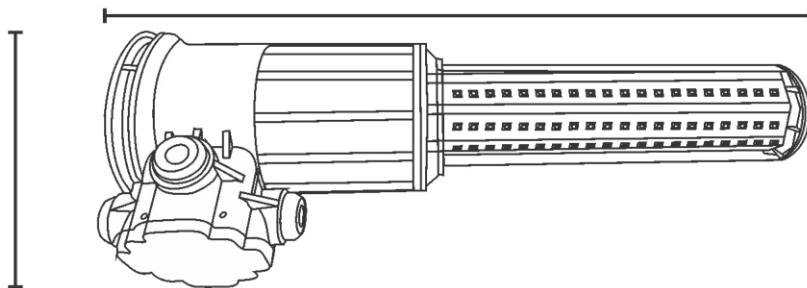
## PRODUCT MATERIALS AND INSTALLATION

Housing	Polycarbonate UV stabilized
Lens	Flame Retardant Polycarbonate UV stabilized
Gasket	Rubber O-ring cemented into groove
Finish	Standard Orange, Other colour options available on request for both body and lens.
Ingress Protection	IP67
IK Rating	IK08
Mounting Options	Cable connection via provided IP68 glands to ensure luminaire IP67 rating maintained
Spigot size	N/A

**CERTIFICATIONS. STANDARDS**

NON EX

Complies to SANS 60598-1

**DIMENSIONS****DIMENSIONS AND PACKAGING**

Model	NSB Shaft Bottom	Connection Box
Wattage	22W	
Dimensions mm (LxWxH)	115Ømm x 440mm	107mm x 107mm x 50mm
Weight Kg (Unit / packaged)	2.2kg / 2.3kg	

**ACCESSORIES**

Wire Guard protection cage

**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.

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