



**NORLAND
LIGHTING®**



Management System
ISO 9001:2015
www.nlx.com
ID: 818089723



MiniLite LED

OVERVIEW

The Minilite LED is a flagship in our range of mining luminaires. With its versatility, robustness, simplicity in installation, cost effectiveness and its proven performance, the Minilite has become the luminaire of choice in multiple mines in most of the large Blue Chip mining conglomerates. While used primarily for haulage areas the Minilite has also been utilized in a variety of underground and surface applications.

Manufactured in polycarbonate with a UV stabilized smooth clear polycarbonate lens this IP65/IK08 luminaire is robust enough to withstand the harshest conditions.

The Minilite LED luminaire incorporates several unique features:-

- The Minilite is designed to not only light up the haulage area for the safety of personnel but also directs light upward to assist with inspection

APPLICATIONS



of cables and infrastructure above the mounting.

- The Minilite can be supplied individually or pre-mounted /prewired, according to a customers desired lighting design, cable type and cable lengths thus simplifying the rollout of lighting in shafts and reducing the installation time and cost significantly. The cable mountings are installed in such a way as not to impact the integrity of the cable wiring and armouring thus ensuring that there will be no connectivity failure or risk of cable breakage.

- Replacement of luminaires is done by simply sliding the luminaire onto the mounting and has an added safety feature that only when slid into position will it engage the power supply. Hence the installation can be done by unskilled workers without tools.

- Due to a risk of theft the Minilite incorporates a pairing option whereby once removed from the mounting it cannot be used without effectively destroying the fitting.

Our analysis of the Minilite versus other haulage lighting systems has shown that the all-round light output is far better, and the overall life cycle costing will be significantly less.

Note:

In addition to the standard mounting type, an E27 version of the Minilite can be supplied to replace EMS type lamp fittings. This feature provides the opportunity of rolling our effective lighting without replacing the existing cable or power connections. Installation can be done by unskilled labour.

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PERFORMANCE

Model Name	MiniLite - LED
Wattages	14W
Nominal Lumens	2030lm
System Lumens	1638lm
System efficacy lm/W	117lm/W

LED AND OPTICS

Optics	210° standard
Expected lifetime	>50000
L70 rating	>50000 @ 25°C
Colour Rendering Index RA	80
Colour Temperature	6000K

ELECTRICAL AND OPERATING

Driver	LED Constant, Current
Operating temperature	-20°C to +40°C
Input voltage/Frequency	12/24VDC 32-36 VAC 110 - 220 VAC
Input Current	0,064 @220V; 0,128 @110VAC; 0,44 @32VAC
Power Factor	>0.92

PRODUCT MATERIALS AND INSTALLATION

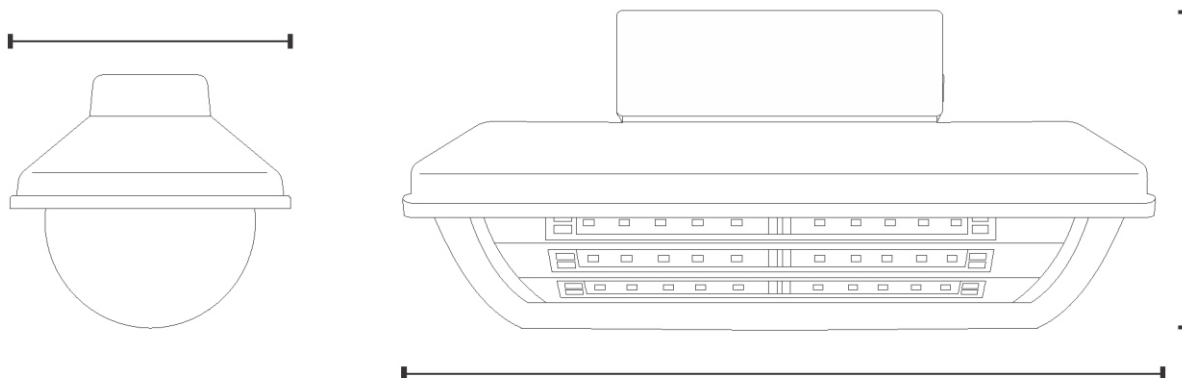
Housing	Polycarbonate UV stabilized
Lens	Polycarbonate UV stabilized
Lens Colour options	Clear - Other colour options on request
Gasket	Rubber Silicone cemented into groove
Finish	Dark Grey
Ingress Protection	IP65
IK Rating	IK08



CERTIFICATIONS. STANDARDS

Non - EX

Complies to SANS 60598-1

DIMENSIONS**DIMENSIONS AND PACKAGING**

Model	MiniLite
Wattage	14W
Dimensions mm (LxWxH)	230 x 127 x 78mm
Weight Kg (Unit / packaged)	0,8kg / 1kg



Example of MiniLite with Power Box connection on Steel Wire Armoured (SWA) Cable for haulage application.
Various pre-wired options available on request

ACCESSORIES

Anti Theft Device - Electronic paired device
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MOUNTING OPTIONS

Cable connection via power box

Ceiling Mounted

Wall Mounted

Hand Held

PHOTOMETRIC PERFORMANCE:

As photometric data and IES files differ according to the selected optics and wattages, these are available on request

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Nordland reserves the right to change any specification or design without prior notice.

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