

Product SPECIFICATION SHEET



80M HAUL. LED ASS. 8M SPACING WHITE STR. C/W 8X 14W LED

MLC1045



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



INDOOR
AREAS



OUTDOOR
AREAS



SPORTS
FACILITIES



INDUSTRIAL
ENVIRONMENTS



MINING AND
SURFACE AREAS



OIL AND GAS



WASHBAYS

MiniLite LED

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	2119lm
System Lumens	1843lm
System efficacy lm/W	132lm/W
Emergency Operation	6W @ 1hour EM version only

14W Handheld version also available with 5A plug and lead (110)mandm220VAC only)

14WStrobe version available on request (110 and 220VAC only)

LED AND OPTICS

Optics	210° standard
Expected lifetime	>50000
L70 rating	>50000 40 @ 25°C L70B10
Colour Rendering Index RA	>80
Colour Temperature	6000K

ELECTRICAL AND OPERATING

Driver	LED Constant, Selectable Current
Operating temperature	-20°C to +40°C
Input voltage/Frequency	110 and 230VAC $\pm 10\%$ 30-36 VAC $\pm 10\%$ 50/60Hz
Input Current	0,064 @14W 220VAC ; 0,443 @14W 32VAC
Power Factor	>0.95

PRODUCT MATERIALS AND INSTALLATION

Housing	Polycarbonate UV stabilized
Lens	Polycarbonate UV stabilized
Gasket	Rubber Silicone cemented into groove
Finish	Standard Dark Grey, Other colour options available on request for both body and lens
Ingress Protection	IP65
IK Rating	IK08Cable connection via Power box, Wall, Pole mount, Ceiling mount, Flood Trunion arm area all optional

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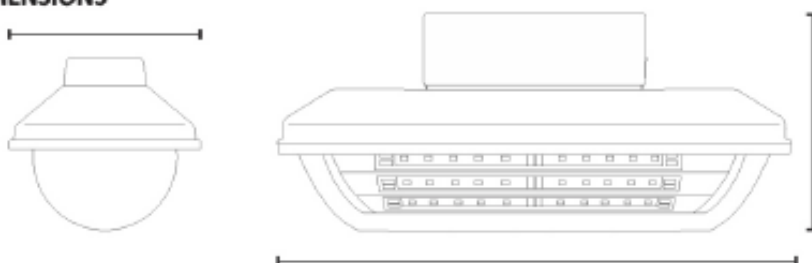
CERTIFICATIONS. STANDARDS

Non - EX

Complies to SANS 60598-1

Complies to SANS 1464-22 (EM Version)

DIMENSIONS



DIMENSIONS AND PACKAGING

Model	MiniLite	MiniLite EM
Wattage	14W	14W
Dimensions mm (LxWxH)	230 x 127 x 78mm	230 x 190 x 78mm
Weight Kg (Unit / packaged)	0,8kg / 1kg	1,3kg / 1.5kg



Example of MiniLite with Power Box connection on Steel Wire Armoured (SWA)
Cable for haulage application.

Various pre-wired options available on request

ACCESSORIES

Flood Trunnion arm

Wall mount bracket

Pole mount bracket

Hanheld version also available with 5A plug and lead

Anti Theft Device - Electronic paired device

MOUNTING OPTIONS

Cable connection via power box

Ceiling Mounted

Wall Mounted

Hand Held