
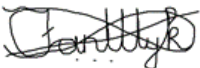
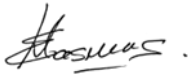




Mining And Surface Certification (Pty) Ltd

(Pty) Ltd: 2015/021934/07

IN TERMS OF REGULATION 21.17.2 OF THE MINERALS ACT (INCORPORATION THE MINE HEALTH AND SAFETY ACT) AND REGULATION 9 (1) OF THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT

IA CERTIFICATE	MASC MS/20-2111X	Issue	1
Issue Date	31 July 2023	Expiry Date	03 June 2030
Applicant	Powermite, 47 Galaxy Road, Linbor Business Park, Franenwald , Santon, 2090		
Manufacturer	AZOLITE, Linbro Park – 47 Galaxy Avenue, Linbro Business Park, Frankenwald, Sandton, Johannesburg, South Africa		
Description (See “Annex A” below)			
Equipment	AZOLITE Flameproof Light	Type	AZOLITE Type: AZ0-F050 10L FLP LED 22W 50Hz / 2ft- 4-ft – 5ft – 6ft
Photo			
MARKING:	Applicant Manufacturer Equipment Type	Powermite AZOLITE AZOLITE Flameproof Light AZOLITE Type: AZ0-F050 10L FLP LED 22W 50Hz / 2ft- 4-ft – 5ft – 6ft	
	Ex Marking	Ex db I Mb Ex db IIB T6 Gb	
	IA Number Serial Number	MASC MS/20-2111X See “Annex A” below	
	Safety Parameters	See “Annex A” below	
WARNING(S)	“DO NOT OPEN WHEN ENCLOSURE IS ENERGIZED OR AN EXPLOSIVE ATMOSPHERE IS PRESENT”		
Compliance:			
The equipment as described above and in MASC report 20-2111 has been allocated the rating <u>Explosion Protected Ex db I Mb and Ex db IIB T6 Gb</u> utilizing the SANS/IEC Standards:			
<ul style="list-style-type: none"> • SANS (IEC) 60079-0:2019 General requirements • SANS (IEC) 60079-1:2015 Flameproof enclosures d • ARP 0108:2014 Regulatory requirements for explosion protected apparatus 			
Special Conditions of Safe Use “X”:			
<ul style="list-style-type: none"> • See “Annex A” below 			
Conditions of manufacture:			
<ul style="list-style-type: none"> • See “Annex A” below 			
 F van Wyk TECHNICAL SPECIALIST		 M Erasmus TECHNICAL SPECIALIST	
<p style="text-align: center;">This certificate only covers the sample submitted and does not cover production units.</p> <p>According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).</p>			



Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:

- SANS 10086 requirements;
- Any conditions mentioned in the above certificate;
- Any relevant requirements of the MHS Act and code of practice enforced in terms of regulations 21.17.2 of the minerals act;
- Any restrictions and conditions enforced by the chief inspector of mines, principal inspector (Group I equipment) or chief inspector of factories (Group II equipment).



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 This certificate is not transferable and remains the property of the issuing body
 Mining And Surface Certification (Pty) Ltd
 Unit 5 Lelyta Park, 45 Jurg Ave. Hennospark Ext 87
 Centurion, 0157

IA CERTIFICATE: MASC MS/20-111X
Equipment: AZOLITE Flameproof Light
AZOLITE Type: AZ0-F050 10L FLP LED 22W 50Hz / 2ft- 4-ft – 5ft – 6ft
(Supplementary One – Address Change)

ANNEX A

Description	Enclosure	Populated	Unpopulated
	General	<ul style="list-style-type: none"> • The AZOLITE Type: AZ0-F050 10L FLP LED 22W 50Hz range was manufactured by AZOTILTE (Pty) Ltd. • The light was manufactured from a polycarbonate tube that houses the LED light with a turntable terminal box that houses the connection point. The terminal enclosure utilizes a screw on lid for connection purposes. • Four threaded M20 entries can be found on the connection enclosure. • The tube and the connection enclosure utilizes a threaded joint to connect to each other. The endcap on the bottom of the tube is cemented in place and secured with grub screws. • The unit comes in 2ft, 4ft, 5ft and 6 ft. intervals and gas a nominal diameter of 60mm. 	
	Dimensions	<ul style="list-style-type: none"> • See Above 	
	Covers	<ul style="list-style-type: none"> • See Above 	
	Fasteners	<ul style="list-style-type: none"> • See above <p>Note: The exact entry combination by the certification drawings. All threaded entries has a pitch of 1.5 and the holes are tapped 6H.</p>	
	Material	The enclosure was manufactured from polycarbonate moulding.	
	Population	<ul style="list-style-type: none"> • LED or Fluorescent light • Terminal Block <p>Note: For population into an unpopulated enclosure a layout drawing MUST be submitted to MASC for separate certification. If the population is updated from original certification a new layout drawing MUST be submitted to MASC for separate certification.</p>	
Safety Parameters	230V AC		
Standard compliance	See "certificate" above		
Warnings	See "certificate" above		
Conditions of Certification			
Special Conditions of Safe Use "X":	<ul style="list-style-type: none"> • Only suitably certified glands may be used. All unused entries must be sealed using suitably certified blanking elements. • The special fasteners used may only be grade (12.9) or higher. • Corrosion inhibiting grease in accordance with clause 5.2.1 of SANS60079-1 should be used on flamepaths. • All connections must be done in an Ex manner. • Warning label static hazard only clean with damp cloth. 		
Conditions of manufacture	<ul style="list-style-type: none"> • The equipment must be provided with internal and external earthing / bonding facilities e.g. stud, spring washer and nut (Stainless steel) Non-corrosive. • The equipment shall comply with the safety requirements of the applicable industrial standards. • A copy of the instruction / parts manual and the type certificate must be provided with each enclosure. 		

This document is issued based on Mining And Surface Certification's Standard Contract terms and conditions available on request.

While every endeavour is made to ensure that a test / assessment / inspection is representative and accurately performed, and that a report / certificate is accurate in the quoted results and conclusions drawn from the test / assessment / inspection, MASC or its directors/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report / certificate issued pursuant to a test / assessment / inspection.

MASC takes no responsibility for any non-conformances, exclusions or any results / assessments / inspections not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer / applicant attests on his own responsibility that the equipment / installation has been designed and constructed in accordance with the applicable requirements of the relevant standards and documentation, that the routine verifications / routine tests have been correctly completed and the equipment / installation complies with the documentation and standard(s).

This document is only for use and application in South Africa. It is issued based on National interpretations and accepted practices