




Mining And Surface Certification (Pty) Ltd

2015/021934/07

THIS CERTIFICATE IS ISSUED AS AN I.A. CERTIFICATE IN TERMS OF THE MINE HEALTH AND SAFETY ACT, ACT NO 29 OF 1996 (AND REGULATIONS), THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AND REGULATION 17 OF THE ELECTRICAL MACHINERY REGULATIONS

IA CERTIFICATE	MASC S/25-2085X	Issue	0
Issue Date	19 May 2025	Expiry Date	19 May 2035
Applicant	Electroflame (Pty) Ltd, 83 Brand Street, President Park, Midrand, South Africa		
Manufacturer	Electroflame (Pty) Ltd, 83 Brand Street, President Park, Midrand, South Africa		
Description (See "Annex A" below)			
Equipment	Floodlight / Highbay	Type	Saturn Max 220W (with 64 LED's) Saturn Max 265W (with 96 LED's)
Photo			
MARKING: <i>Must be additionally applied to the equipment</i>	Applicant / Manufacturer Type Ex Marking	Electroflame (Pty) Ltd. Saturn 220W or 265W Ex ec mc IIC T6 Gc Ex tb IIIC T85°C Db IP65	
	IA Number Rating	MASC S/25-2085X As per description below	
WARNING(S)	"DO NOT OPEN WHEN ENERGIZED"		
Compliance:			
The equipment as described above and in report MASC 25-2085 has been allocated the rating <u>Explosion Protected "as above"</u> utilizing the SANS/IEC Standards:			
<ul style="list-style-type: none"> SANS 60079-0: 2019 General requirements SANS 60079-7: 2023 Equipment protection by increased safety "e" SANS 60079-18: 2022 Equipment protection by encapsulation "m" SANS 60079-31: 2023 Equipment dust ignition protection by enclosure "t" SANS 60529: 2013 Degrees of protection by enclosures (IP Code) ARP 0108: 2018 Regulatory requirements for explosion protected apparatus NCOP 2398: 2022 National Code of Practice for Electrical Machinery in Hazardous Locations - Regulatory requirements for explosion-protected apparatus 			
Conditions:			
<ul style="list-style-type: none"> This certificate covers only a national implementation of above standards for use in South African industry. It is up to the manufacturer to ensure that the product complies to all relevant standards for the application. This document will not be supported by MASC outside the borders of South Africa and may not be used for other/international certification purposes. This certificate may only be reproduced in full, is not transferable and remains the property of the issuing body. This certificate only covers the sample submitted and does not cover production units. 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 markscheme or batch testing by an accredited test laboratory). 			
Specific conditions of use:		Conditions of manufacture:	
<ul style="list-style-type: none"> See "ANNEX A" below 		<ul style="list-style-type: none"> See "ANNEX A" below 	
M. Erasmus TECHNICAL SPECIALIST		W. Haywood TECHNICAL SPECIALIST	



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;

Any restrictions and conditions enforced by the chief inspector of mines, principal inspector (Group I equipment) or chief inspector of factories (Group II equipment).

This certificate may only be reproduced in full
The certificate is not transferable and remains the property of the issuing body.



**IA CERTIFICATE: MASC S/25-2085X
Equipment: Saturn**

ANNEX A

Description	Enclosure	Populated	Unpopulated
	General		The Saturn consist of a casted aluminium head piece populated with LED PCB's and enclosed with a 4mm glass diffuser retained with 16 M5 S/S Dome head screws and spring washers through mounting plates, furthermore a bolted aluminium control box fitted with control gear. Supply from the control box to head piece is accomplished through a threaded bush when the Saturn is supplied as one assembly. A second option that the unit may be supplied, is with a suitably certified cable gland in place of the threaded bush with a permanently connected cable to the head piece that is connected to the control box on the other end through a suitably certified gland at entry point of the control box. A 90° terminal box may be attached to the head piece entry point for a 90° angled cable connection between the control box and head piece.
Entries		One to two M20 threaded entries on the connection box	
Approximate Dimensions		Head Piece: 429mm x 429mm x 50mm Connection Box: 294mm x 294mm x 63mm Head Piece and Connection Box as one unit: 429mm x 429mm x 113mm	
Ratings		Saturn 220 Watt Max Saturn 265 Watt Max	
Standard compliance	See "certificate" above		
Warnings	See "certificate" above		
Conditions of Certification			
Specific conditions of use	<ul style="list-style-type: none"> • This approval only covers the equipment as tested. It is incumbent on the client to maintain the Ex-characteristics of the equipment as required by the relevant legislation and standards mentioned above. • The manufacturer's ratings of the equipment may not be exceeded. • Installation / supply cable shall comply with suitable current rating as applicable, keeping in mind the deratings for ambient / service temperatures. • Special conditions of individually certified components remain applicable (if applicable). • Only suitably certified glands, adaptors, blanking plugs may be used in all apertures. <ul style="list-style-type: none"> ○ The equipment / components' certification conditions / schedule of limitations must be complied with. ○ All unused entries must be sealed using suitably certified blanking elements. • This approval only covers the equipment as tested. It is incumbent on the client/end-user to maintain the Ex-characteristics of the equipment as required by the relevant legislation and standards mentioned above. 		
Conditions of manufacture	<ul style="list-style-type: none"> • The labels with information / certification details as indicated in this certificate must be maintained on the enclosure, the label must be legible and indelible permanently fixed to the apparatus. • It is a condition of certification that a copy of this certificate and instructions must be provided / made available with each assembly. 		

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.

This document may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

This document will not be supported by MASC for certification purposes outside the borders of South Africa.