



Mining And Surface Certification (Pty) Ltd

(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/23-2313X	Issue	0
Issue Date	08 November 2023	Expiry Date	08 November 2033
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	Luminaire	Type	P20 Fluorescent Luminaire 2FT; 4FT & 5FT
Photo			
MARKING: <i>Must be additionally applied to the equipment</i>	Applicant / Manufacturer Type Ex Marking	Electroflame (Pty) Ltd P20 (as applicable type) Ex ec mc IIC T5 Gc Ex tb IIIC T85° Db IP65	
	IA Number Serial Number	MASC S/23-2313X See "Annex A" below	
WARNING(S)	"DO NOT OPEN WHEN ENERGIZED"		
Compliance:			
The equipment as described above and in MASC report 23-2313 has been allocated the rating <u>Explosion Protected as above</u> the principals in the following SANS Standards:			
<ul style="list-style-type: none"> SANS 60079-0: 2019 General requirements SANS 60079-7: 2019 Equipment protection by increased safety "e" SANS 60079-18: 2022 Equipment protection by encapsulation "m" SANS 60079-31: 2014 Equipment dust ignition protection by enclosure "t" 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).



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Equipment: P20 Fluorescent Luminaire 2Ft, 4Ft and 5Ft

ANNEX A

Description	Enclosure	Populated	Unpopulated
		General	<p>The P20 Luminaire is manufactured by Electroflame.</p> <p>The unit consist of a non-metallic body with a non-metallic diffuser, retained to the body with securing clips. A continuous seal is situated between the body and diffuser to prevent the ingress of dust and moisture.</p> <p>The unit is populated with a geartray that consist of a reflector that houses the Fluorescent Tubes and control gear (suitably certified Ballast).</p> <p>The P20 can be supplied in 2Ft, 4Ft and 5Ft in length.</p>
	Dimensions	<p>2Ft – 660mm x 160mm x 100mm</p> <p>4Ft – 1270mm x 160 x 100mm</p> <p>5Ft – 1570mm x 160mm x 100mm</p>	
Maximum Wattage	<p>2FT Max 18W</p> <p>4FT Max 36W</p> <p>5FT Max 58W</p>		
Standard compliance	See "certificate" above		
Warnings	See "certificate" above		
Conditions of Certification			
Specific conditions of use	<ul style="list-style-type: none"> • All terminations should be done in an Ex manner • Provision shall be made for stress relief on the cable and cable gland at entry point on the body of the unit(s). • The equipment must be installed / protected to prevent the formation of undue layers of dust on the equipment. • The rating(s) of the unit(s) may not be exceeded. • The special conditions of the certified components/ equipment must be complied with (where applicable). • The installation of cable glands and blanking plugs shall be done in such a way that the IP65 rating is maintained. • Only suitably certified cable glands, plugs may be used. 		
Conditions of manufacture	<ul style="list-style-type: none"> • It is a condition of certification that a copy of this certificate and instructions must be provided / made available with each assembly • 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. 		

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

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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

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