



**BUREAU
VERITAS**

CERTIFICATE OF CONFORMITY

08/X29/1/12145336-1001-5, Rev.0

TO:
ICAO, Annex 14, Volume I, 8th Edition
EASA CS-ADR-DSN, Issue 4, 8th December 2017
UNE-IEC/TS 61827, 1th Edition
FAA AC 150/5345-46E
AENA PPT 013-03/12
AENA PPT 012-03/12
AENA PPT 010-03/12
AENA PPT 018-03/12

CERTIFIES:

That, to request of the Company: Airsafe Airport Equipment Co., Ltd proceeds to the inspection, review and documental study technical equipment, recessed lights for airports runways model **RCL-08, TCL-08, TDZ-08, RAP-08 and END-08**, based on the reports of tests carried by the laboratory SQI – Shanghai Institute of Quality Inspection and Technical Research, as National Certification Body and to carry out testing within the IECEE CB Scheme for the Scope as listed in the relevant part of the IECEE Web Site at www.iecee.org :

Reference

RCL-08
TCL-08
TDZ-08
RAP-08
END-08

Application

8" for runway centerline
8" for taxiway centerline
8" for runway touchdown zone
8" for rapid exit taxiway indicator
8" for in-pavement runway end

That all the foregoing, and in view of the results obtained, is considered that:
The inset lights model **RCL-08, TCL-08, TDZ-08, RAP-08 and END-08** above referenced, manufactured by Airsafe Airport Equipment Co.,Ltd., destined for aeronautical lighting applications, FULFIL SATISFACTORILY the demands and requirements of the standards and technical requisites of Aena referred in the present document, and specifically the specifications of the UNE-IEC/TS 61827:

Test	Inset lights	Result
	Type	It fulfils
<u>a. Dimensional test</u>	6.2	Satisfactory
<u>b. Test Environmental</u>		
High temperature	6.3.1.1	Satisfactory
Low temperature	6.3.1.2.1	Satisfactory
Thermal shock	6.3.2.1	Satisfactory
Corrosion (saline sprayed)	6.3.3.1	Satisfactory
<u>c. Test Structural</u>		
Static load	6.4.1.1	Satisfactory
Shear load	6.4.1.2	Satisfactory
Mechanical impact	6.4.1.3	Satisfactory
Hydraulic impact	6.4.1.4	Satisfactory
Vibration	6.4.1.5	Satisfactory
Watertightness	6.4.1.6.1	Satisfactory
Surface temperatura	6.4.1.7	Satisfactory

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This certificate cancels and replaces the certificate with number 08/X29/1/6344564-1001-3-ENG, Rev.3




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Test	Inset lights		Result It fulfils
	Type		
<u>d. Test Electrical</u> Dielectric rigidity Creepage and clearance Resistance of isolation Electrical shock	6.5.1 6.5.2 6.5.3 6.5.4	Satisfactory Satisfactory Satisfactory Satisfactory	
<u>e. Functional test</u> Photometry Chromaticity	6.6.1.1 6.6.2	Satisfactory Satisfactory	
<u>f. Endurance Test</u> Accelerated life Test of useful rated life of LED's (10 lights)	6.7.1.1 6.7.2	Satisfactory Satisfactory	

As well as the requirements listed in ICAO Annex 14, Volume I, and EASA CS-ADR-DSN, Issue 4, detailed below:

Inset lights	ICAO		EASA		Result It fulfils
	Photometry test	Chromaticity test	Photometry test	Chromaticity test	
RCL-08	Figure A2-6 Figure A2-7 -Appendix 2-	Figure A1-1a -Appendix 1-	Figure U-10 Figure U-11 -CS ADR- DSN.U.940-	Figure U-1A -CS ADR- DSN.U.930-	Satisfactory
TCL-08	Figure A2-12 Figure A2-14 -Appendix 2-	Figure A1-1a -Appendix 1-	Figure U-16 Figure U-18 -CS ADR- DSN.U.940-	Figure U-1A -CS ADR- DSN.U.930-	Satisfactory
TDZ-08	Figure A2-5 -Appendix 2-	Figure A1-1a -Appendix 1-	Figure U-9 -CS ADR- DSN.U.940-	Figure U-1A -CS ADR- DSN.U.930-	Satisfactory
RAP-08	Figure A2-6 Figure A2-7 -Appendix 2-	Figure A1-1a -Appendix 1-	Figure U-10 Figure U-11 -CS ADR- DSN.U.940-	Figure U-1A -CS ADR- DSN.U.930-	Satisfactory
END-08	Figure A2-8 -Appendix 2-	Figure A1-1a -Appendix 1-	Figure U-12 -CS ADR- DSN.U.940-	Figure U-1A -CS ADR- DSN.U.930-	Satisfactory

And for the record for the appropriate purposes we issue and sign this Certification in Barcelona, on September 13 of 2021.

Location	Date	Name	Signature
Barcelona (Spain)	September 13 th , 2021	Laura Arcas (Technical Inspector)	
<i>Registration code.</i> 08/X29/1/6344564-1001-3-ENG Revision 3, date May 31, 2018			
<i>Registration code.</i> 08/X29/1/12145336-1001-5 Revision 0, date September 13, 2021			