CERTIFICATE OF CONFORMITY

08/X29/1/12145336-1001-11, 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
FAA EB 67D
AENA PPT 010 -03/12
AENA PPT 012 -03/12
AENA PPT 013 -03/12

Products:

Airfield Lights RCLS-08-LED
Airfield Lights TDZS-08-LED
Airfield Lights RAPS-08-LED
Airfield Lights ENDS-08-LED
Airfield Lights HRGS-08-LED

Manufactured by: Airsafe Airport Equipment Co., Ltd

Applications:

8" LED In-pavement runway centerline light
8" LED In-pavement runway touchdown light
8" LED In-pavement rapid exit taxiway indicator light
8" LED In-pavement runway end light
8" LED In-pavement runway guard light

We hereby certify:

That we conducted an inspection, review and documental study of the characteristics of the above mentioned equipment based on the reports of tests carried by the laboratory:

SQI - Shanghai Institute of Quality Inspection and Technical Research,

as Certified National Certification Body who carried out testing according to the IECEE CB Scheme for the Scope as listed in the relevant part of the IECEE Web Site at www.iecee.org.

On the base of all the foregoing, and in view of the results obtained; we confirm that:
the inset lights model **RCLS-08-LED, TDZS-08-LED, RAPS-08-LED, ENDS-08-LED and HRGS-08-LED** above referenced, manufactured by Airsafe Airport Equipment Co.Ltd., designed for airfield ground lighting applications,

FULFIL SATISFACTORILY

the demands and requirements of the above mentioned standards and of technical provisions of AENA referred in the present document, and specifically the specifications of the UNE-IEC/TS 61827 and AENA PPTS.

This certificate cancels and replaces the certificate with number 08/X29/1/6390306-1001-3, Rev.3

Test	Inset lights Type	Result It fulfils
a.Dimensional test	6.2	Satisfactory
b. Test Environmental High temperature Low temperature Thermal shock Corrosion (saline sprayed) Electromagnetic compatibility	 6.3.1.1 6.3.1.2.1 6.3.2.1 6.3.3.1 6.3.6.	 Satisfactory Satisfactory Satisfactory Satisfactory Satisfactory
c. Test Structural Static load Shear load Mechanic impact Hydraulic impact Vibration Watertightness Surface temperatura	 6.4.1.1 6.4.1.2 6.4.1.3 6.4.1.4 6.4.1.5 6.4.1.6.1 6.4.1.7	 Satisfactory Satisfactory Satisfactory Satisfactory Satisfactory Satisfactory Satisfactory
d. Test Electrical 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
e. Functional test Photometry Chromaticity	 6.6.1.1 6.6.2	 Satisfactory Satisfactory
f. Endurance Test 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
	Photometry test	Chromaticity test	Photometry test	Chromaticity test	It fulfils
RCLS-08-LED	Figure A2-6 Figure A2-7 -Appendix 2-	Figure A1-1b -Appendix 1-	Figure U-10 Figure U-11 -CS ADR-DSN.U.940-	Figure U-1B -CS ADR-DSN.U.930-	Satisfactory
TDZS-08-LED	Figure A2-5 -Appendix 2-	Figure A1-1b -Appendix 1-	Figure U-9 -CS ADR-DSN.U.940-	Figure U-1B -CS ADR-DSN.U.930-	Satisfactory
RAPS-08-LED	Figure A2-6 Figure A2-7 -Appendix 2-	Figure A1-1b -Appendix 1-	Figure U-10 Figure U-11 -CS ADR-DSN.U.940-	Figure U-1B -CS ADR-DSN.U.930-	Satisfactory
ENDS-08-LED	Figure A2-8 -Appendix 2-	Figure A1-1b -Appendix 1-	Figure U-12 -CS ADR-DSN.U.940-	Figure U-1B -CS ADR-DSN.U.930-	Satisfactory
HRGS-08-LED	Figure A2-20 -Appendix 2-	Figure A1-1b -Appendix 1-	Figure U-24 -CS ADR-DSN.U.940-	Figure U-1B -CS ADR-DSN.U.930-	Satisfactory

This certificate cancels and replaces the certificate with number 08/X29/1/6390306-1001-3, Rev.3

As well as the requirements listed to in Annex A of the Technical Specification Sheets of Aena, specific for lights that employ LED technology, detailed below:

Essay	Inset lights Type	Result It fulfils
a. Low Temperature	A.3.1.1	Satisfactory
b. Electromagnetic compatibility. Immunity to the Perturbations	A.3.1.2	Satisfactory
c. Intensity ratio	A.3.1.3	Satisfactory
d. High Temperature	A.3.1.4	Satisfactory
e. Electrical parameters	A.3.1.5	Satisfactory
f. Faults Monitoring System	A.3.1.6	Satisfactory
g. Optional antifreeze	A.3.1.7	Satisfactory
h. Accelerated life	A.3.1.8	Satisfactory
i. Useful rated life of LED	A.3.1.9	Satisfactory
j. Test of Life of the Sources of Light	A.3.1.9.1	Satisfactory
k. Test of Colour Maintenance of the Sources of Light	A.3.1.9.2	Satisfactory
l. Flicker	A.3.1.10	Satisfactory
m. Photobiological Safety	A.3.1.11	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 13th, 2021	Laura Arcas (Technical Inspector)	Documento firmado digitalmente por Laura Mª Arcas
Registration code. **08/X29/1/6390306-1001-3 Revision 3, date May 31, 2018**			
Registration code. **08/X29/1/12145336-1001-11 Revision 0, date September 13, 2021**			

This certificate cancels and replaces the certificate with number 08/X29/1/6390306-1001-3, Rev.3