



BUREAU
VERITAS

CERTIFICATE OF CONFORMITY

08/X29/1/12145336-1001-6, Rev.1

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 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 TCLM-08, SBLM-08, TPLM-08 and IRGM-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

TCLM-08
SBLM-08
TPLM-08
IRGM-08

Application

8" for taxiway centerline
8" for in-pavement stop-bar
8" for taxiway hold position
8" for in-pavement runway guard

That all the foregoing, and in view of the results obtained, is considered that:
The inset lights model **TCLM-08, SBLM-08, TPLM-08 and IRGM-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 |
| <u>d. Test Electrical</u> | | |
| Dielectric rigidity | 6.5.1 | Satisfactory |
| Creepage and clearance | 6.5.2 | Satisfactory |
| Resistance of isolation | 6.5.3 | Satisfactory |
| Electrical shock | 6.5.4 | Satisfactory |



**BUREAU
VERITAS**

| Test | Inset lights | |
|--|------------------|------------------------------|
| | Type | Result It fulfils |
| <u>And. 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 to 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 | |
| TCLM-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 |
| SBLM-08 | Figure A2-12 -Appendix 2- | Figure A1-1a -Appendix 1- | Figure U-16 -CS ADR-DSN.U.940- | Figure U-1A -CS ADR- DSN.U.930- | Satisfactory |
| TPLM-08 | Figure A2-12 -Appendix 2- | Figure A1-1a -Appendix 1- | Figure U-16 -CS ADR-DSN.U.940- | Figure U-1A -CS ADR- DSN.U.930- | Satisfactory |
| IRGM-08 | Figure A2-12 -Appendix 2- | Figure A1-1a -Appendix 1- | Figure U-16 -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/X29/1/6344564-1001-1-ENG Revision 2, date May 31, 2018 | | | |
| <i>Registration code.</i> 08/X29/1/12145336-1001-6 Revision 0, date September 13, 2021 | | | |
| <i>Registration code.</i> 08/X29/1/12145336-1001-6 Revision 1, date September 23, 2021 | | | |