



**BUREAU
VERITAS**

CERTIFICATE OF CONFORMITY

08/X29/1/10126781-1001-1, Rev.0

TO:
UNE-IEC/TS 61827, 1th Edition
FAA AC 150/5345-28H
ICAO Annex 14 Volume 1, 8th Edition
FAA EB 67D

Products:
LED Precision Approach Path Indicator (PAPI)

Manufactured by: Airsafe Airport Equipment Co., Ltd

Applications:
PAPI-LED-X

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 laboratories:

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 on the test of the Led Indicator Model PAPI-LED-066 Type L-880 Serial number AS15119010211884016; we confirm that: the LED precision approach path indicator model **PAPI-LED-X** above referenced, manufactured by Airsafe Airport Equipment Co.Ltd., designed for airfield indicator 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, FAA EB67D and FAA AC 150/5345-28H:

Test	PAPI lights / IEC TS	Result
	Tests / Type	It fulfils
<u>b. Environmental</u>		
High temperature	6.3.1.1	Satisfactory
Low temperature	6.3.1.2.2	Satisfactory
Moisture	6.3.4	Satisfactory
Salt-Fog	6.3.3.2	Satisfactory
Solar radiation	6.3.5	Satisfactory
Electromagnetic compatibility	6.3.6	Satisfactory



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Test	PAPI lights / FAA EB67D	Result
	Requirements / Type	It fulfils
Intensity ratios	1.0	Satisfactory
Input power	2.5	Satisfactory
Power factor	2.5.1	Satisfactory
Surge protection	2.12	Satisfactory
Arctic kit	2.13	Satisfactory

Test	PAPI lights / FAA AC	Result
	Requirements / Type	It fulfils
<u>a. Environmental</u>		
Temperature	3.1.1	Satisfactory
Wind	3.1.5	Satisfactory
<u>b. Light Units</u>		
Photometry (Lamp)	3.2.1.10	Satisfactory
Light Unit Rigidity	3.2.2.1	Satisfactory
Light Unit Construction (Weight)	3.2.2.2	Satisfactory
Light Unit Construction (Mounting Height)	3.2.2.3	Satisfactory
Light Unit Construction (Prevention of rain or snow from accumulating)	3.2.2.4	Satisfactory
Light Unit Mounting Provisions (Mounting legs)	3.2.3.1.1	Satisfactory
Light Unit Mounting Provisions (Composition of mounting legs)	3.2.3.1.2a	Satisfactory
Light Unit Mounting Provisions (Frangible Coupling)	3.2.3.1.2b	Satisfactory
Light Unit Mounting Provisions (Adjusting hardware)	3.2.3.2	Satisfactory
Light Unit Adjustments	3.2.4.1	Satisfactory
Excessive Light Unit Tilt	3.2.5	Satisfactory
Light Unit Electrical Wiring	3.2.6	Satisfactory
<u>c. Equipment Grounding</u>	3.6	Satisfactory
<u>d. Failure of Lamp</u>	3.5	Satisfactory

As well as the requirements listed in ICAO Annex 14, Volume I, detailed below:

PAPI lights	ICAO		Result
	Photometry Requirements	Chromaticity Requirements	It fulfils
PAPI-LED-X	Figure A2-23 -Appendix 2-	5.3.5.30 / 31 Figure A2-6 -Appendix 2-	Satisfactory

And for the record for the appropriate purposes we issue and sign this Certification in Barcelona, on December 16 of 2020.

Inspector Bureau Veritas
Laura Arcas

