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Certificate of Constancy of Performance 0359-CPR-00431



In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation), this certificate applies to the construction product(s).

Product(s): LDA Audio Tech Projection Loudspeakers

(refer to attached appendix for details and conditions)

Produced by or for: LDA AUDIO TECH (LDA AUDIO Y VIDEO PROFESIONAL S.L.)

Parque Tecnologico Andalucia, C/Severo Ochoa 31, 29590 Malaga (SPAIN)

Produced in the manufacturing plant(s):

Life Safety A/V (Guangzhou) Co., Ltd (LIFSAFCN.01)

No. 257 (Building 3, Floors 1-2) Jun Ye Road, Guangzhou GETDD East,

510530, China

Intended use: Fire Safety

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the

standard(s):

EN54-24:2008

Fire detection and fire alarm systems. Components of Voice Alarm

Systems - Loudspeakers

Under system 1 are applied and that the product(s) fulfils all the prescribed

requirements set out above.

This certificate was first issued on 9th December 2014 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body. A review of the product(s) and compliant standard(s) will be carried out after 5 years to ensure continued compliance.

Notified Body 0359

Intertek Testing & Certification Limited

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Daniel Griffin
Certification Manager

Date 09/12/2014 Issue 1

Review 09/12/2019

Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ, United Kingdom

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

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Appendix to Certificate of Constancy of Performance 0359-CPR-00431

The details and condition of use for the LDA Audio Tech Projection Loudspeakers, placed on the market by:

LDA AUDIO TECH (LDA AUDIO Y VIDEO PROFESIONAL S.L.)

Parque Tecnologico Andalucia, C/Severo Ochoa 31, 29590 Malaga (SPAIN)

To be used in accordance with the supplier's installation instructions and in conjunction with the following bases, ancillaries, sounder tones and sensitivity settings (where applicable):

Products compliant with EN54-24:2008

Variant	Manufacturing Location	Description
LDAPCM220TNS01	LIFSAFCN.01	20W Bidirectional Projection Loudspeaker
LDAPCM10TNS01	LIFSAFCN.01	10W Unidirectional Projection Loudspeaker
LDAPCM20TNS01	LIFSAFCN.01	20W Unidirectional Projection Loudspeaker

Conditions of use:

Suitable for outdoor (Type B) applications

Approved settings:

The following line voltage and power tap settings have been approved:-

	LDAPCM220TNS01 and LDAPCM20TNS01	LDAPCM10TNS01
Line Voltage	Power Tap	Power Tap
70V	10W, 5W, 2.5W, 1.25W	5W, 2.5W, 1.25W, 0.625W
100V	20W, 10W, 5W, 2.5W	10W, 5W, 2.5W, 1.25W

General Notes:

- 1. Evaluated under Intertek project number 12057984 and 101726256.
- 2. <u>No CE or other type approval is made or inferred outside of the attestation of conformity and the product performance as stipulated on this certificate.</u>

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Appendix to Certificate of Constancy of Performance 0359-CPR-00431 (continued)

Table of performance for EN54-24:2008 Harmonised technical specification					
Essential characteristics	Performance	Clauses	Notes		
Performance under fire condition.	Pass	4.2, 5.2, 5.3, 5.4, 5.5	а		
Operational reliability	Pass	4.3, 4.4, 4.5, 5.6, 5.18	b		
Durability of operational reliability: temperature resistance	Pass	5.7, 5.8, 5.9	b		
Durability of operational reliability: humidity resistance	Pass	5.10, 5.11, 5.12	b		
Durability of operational reliability: corrosion resistance	Pass	5.13			
Durability of operational reliability: impact and vibration resistance	Pass	5.14, 5.15, 5.16, 5.17			

Notes:

- a. The products covered by this standard are assumed to enter the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.
- b. For Clauses 5.7, 5.9, 5.10 and 5.18, Type B conditioning was applied.

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