# ic audio GmbH

## DECLARATION OF PERFORMANCE

According to Construction Products Regulation EU N° 305/2011

**N° 020-14**

1. Unique Product identification code:

SAA-LS20

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

| Art.No. | Type | Description |
|---|---|---|
| 20142815 | DA-P 20-130/T-EN54 | Sound Projector, 20 watts, white, ABS, with thermal fuse and ceramic block, certified EN 54-24, BS 5839 compliant, IP21C, 1438/CPR/0388 |

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

**ic audio** GmbH
Boehringerstraße 14a
D-68307 Mannheim

Germany

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16.09.2014

Heinz Pfannenschmidt
Managing Director

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5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product:

System 1

7. Declaration of performance concerning a construction product covered by the harmonized standard:

Jednostka Certyfikująca | Certification Department
Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej
Państwowy Instytut Badawczy (CNBOP-PIB)
ul. Nadwiślańska 213, 05-420 Józefów, Poland
tel: (+48) 22 76 93 319, (+48) 22 76 93 345
fax: (+48) 22 76 93 356

performed type testing and the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control and issued the EC certificates of conformity:

EC Certificate of Conformity 1438/CPR/0388 CE

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not applicable, see item 7

9. Declared performance:

All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in point 3 above have been determined as described in the hEN mentioned in the table below.

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| Essential characteristics | Performance | Harmonized technical specification |
|---|---|---|
| Scattering (frequency range / sensitivity) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.2 |
| Nominal impedance | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.3 |
| Horizontal and vertical dispersion angle | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.4 |
| Maximum sound pressure level | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.5 |
| Nominal noise performance (durability) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.6 |
| Dry heat (operating) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.7 |
| Dry heat (endurance) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.8 |
| Cold (in operation) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.9 |
| Damp heat, cyclic (operating) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.10 |
| Damp heat, steady state (endurance) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.11 |
| Damp heat, cyclic (fatigue test) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.12 |
| Sulfur dioxide (SO2) corrosion (endurance) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.13 |
| Shock (operating) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.14 |
| Impact (operating) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.15 |
| Sinusoidal vibration (operating) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.16 |
| Vibration, sinusoidal (endurance) | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.17 |
| Enclosure testing | passed | Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.18 |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

    This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

16.09.2014

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Managing Director

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