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AEX CS 332 Splashproof Ceiling Loudspeaker

AEX CS 332 Splashproof Ceiling Loudspeaker Owner's Manual

Contents

AEX CS 332 Splashproof Ceiling Loudspeaker

Product Information

Specifications:

- **Model:** CS 332 Splashproof Ceiling Loudspeaker
- **Frequency Response:** 110 Hz ~ 20 kHz
- **Dimensions:** Dia 127 x 77 mm
- **Weight:** 0.35 kg
- **Power Handling:** 6 W rated at 100 V
- **Impedance:** Multiple impedance line matching transformer for 70 V or 100 V systems
- **Speaker Component:** 75 mm dynamic full range loudspeaker
- **Mounting:** Spring mounting system for flush ceiling installation
- **Grille:** Circular high impact ABS with front metal mesh

Product Usage Instructions

Installation:

1. Choose a suitable location on the ceiling for mounting the speaker.
2. Ensure the ceiling void is clear of obstructions for proper sound distribution.
3. Use the spring mounting system to securely attach the speaker to the ceiling.
4. Connect the speaker to the appropriate power source based on the impedance requirements.

Power Tapping Adjustment:
The line matching transformer allows for multiple power tappings. Adjust the power tapping settings according to your system requirements for optimal sound output.

Maintenance:
Regularly clean the grille and speaker components to ensure clear sound transmission and longevity of the product.

Frequently Asked Questions

- **Can the CS 332 be used in wet environments?**
  While the CS 332 is splashproof, it is not recommended for use in direct contact with water. It is best suited for indoor installations.
- **How do I know which power tapping setting to use?**
  The power tapping setting should be based on the size of the room and desired sound level. Higher power settings are suitable for larger areas or louder volumes.
- **Can I paint the grille to match my ceiling color?**
  It is not recommended to paint the grille as it may affect the sound quality and durability of the product. The off-white color is designed to blend well with most ceiling types.
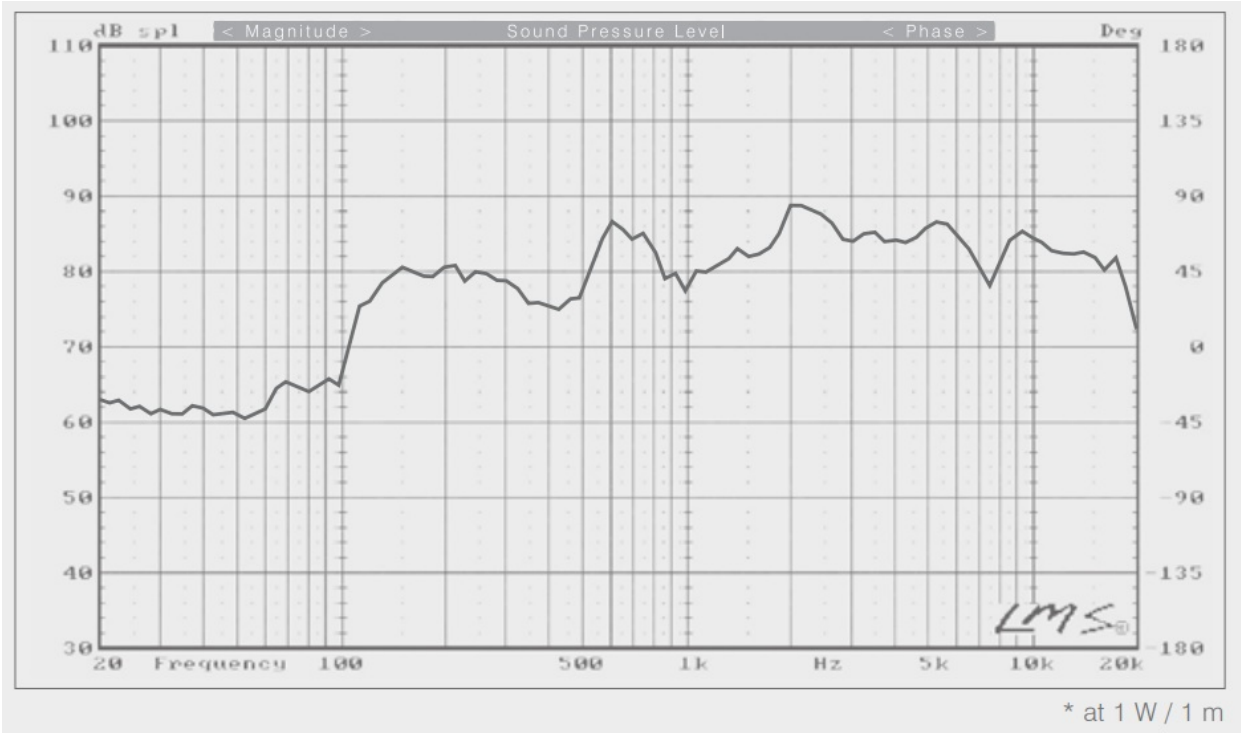
INTRODUCTION

- The CS 332 splash proof ceiling loudspeakers are specially designed for installation at areas where the unit is subjected to moisture & high humidity such as pool side, bathroom or at open covered walkways. These ceiling loudspeakers are able to withstand moisture due to its grille that is injected from high impact ABS and its loudspeaker component, being constructed for moisture proofing. The 75 mm dynamic full range loudspeaker compo-nent accurately reproduces the source signal with minimal sound discolou-ration. A front metal mesh, finished in off white, gives the unit an elegant appearance.
- Spring mounting reduces installation time without visible screws. An ABS back enclosure is provided to prevent crosstalk between adjacent zones via the ceiling void. The unit comes with a multiple impedance line match-ing transformer, suitable for 70 V or 100 V distributed loudspeaker system with a maximum power handling of 6 W rated at 100 V. Model CS 332L is a low impedance model (8 ohms), suitable for hotel installations where BGM channels are extended from the MATV system into the bathroom.
  - Off-white circular flush-mounted high impact ABS grille with an aesthetically pleasing front metal mesh.
  - 75 mm dynamic full range loudspeaker component for a wide frequency response.
  - Flush mounted on to the ceiling with its spring mounting system for ease of installation and improved aesthetics.
  - Ready fitted line matching transfomer with multiple power tappings of 6, 3 & 1.5 W at 100 V line / 3, 1.5, 0.75 W at 70 V (CS 332)
  - ABS back enclosure minimises crosstalk between adjacent zones via the ceiling void.
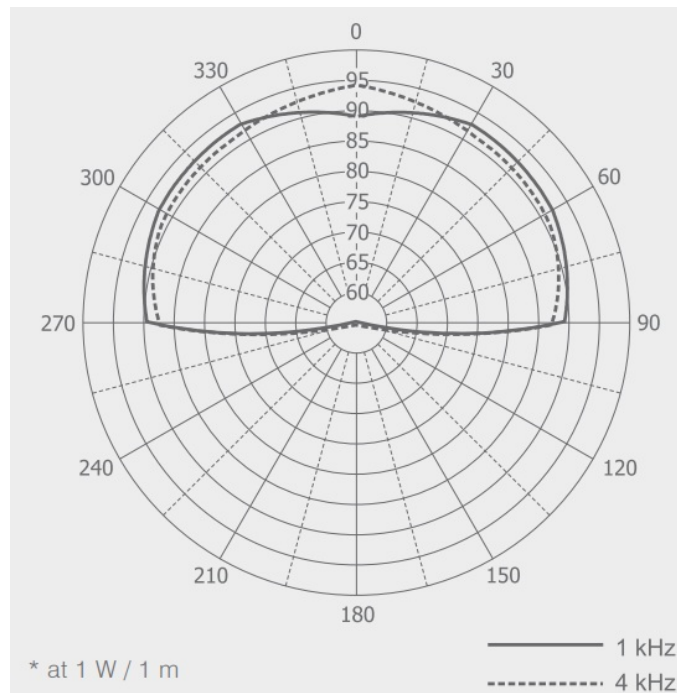 - 8 ohm model (CS 332L) available for low impedance applications.

Technical Specifications

	CS 332	CS 332L
Rated Input	100 V : 6 W (6 - 3 - 1.5 W) 70 V : 3 W (3 - 1.5 - 0.8 W)	6 W
Maximum Power	9 W	9 W
Rated Impedance	1.7 kΩ (1.7 - 3.3 - 6.3 kΩ)	8Ω
Sensitivity (1W / rated at 1m)	88 / 96 dB	88 / 96 dB
Coverage Angle (1 kHz, -6 dB)	180 deg.	180 deg.
Frequency Response	110 Hz ~ 20 kHz	110 Hz ~ 20 kHz
Speaker Component	75 mm Dynamic Full Range Loudspeaker	75 mm Dynamic Full Range Loudspeaker
Safety	Acc. to EN 60065	Acc. to EN 60065
Finish	Grille and Mesh; Pure White	Grille and Mesh; Pure White
Dimensions	Dia 127 x 77 mm	Dia 127 x 77 mm
Weight	0.46 kg	0.35 kg

Frequency Response

* at 1 W / 1 m

SPL Polar Plot

* at 1 W / 1 m

— 1 kHz

---------- 4 kHz
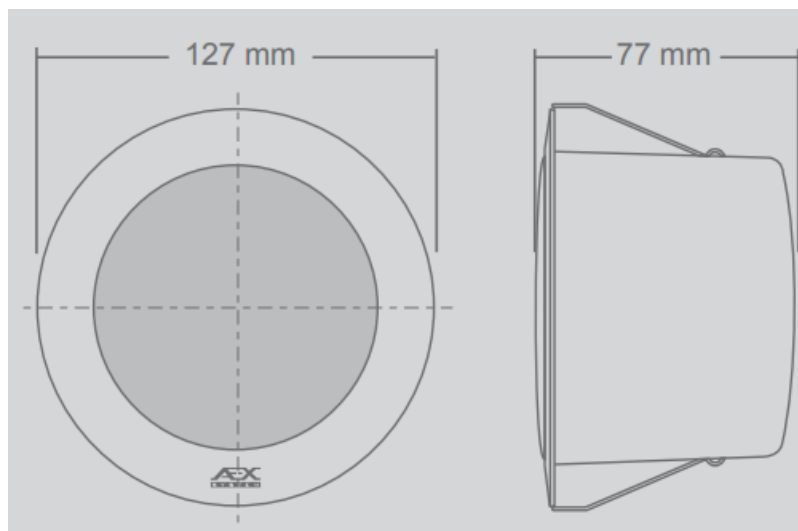
Engineers' Specifications

The splashproof ceiling loudspeaker unit shall consist of a 75 mm
dynamic full range loudspeaker driver, mounted on to a 127 mm circular pure white (RAL 9010) ABS grille. The unit shall be spring mounted to the ceiling to avoid visible mounting screws. (For CS 332 : A line matching transformer shall be provided with multiple power tappings of 6, 3 & 1.5 W (100 V) / 3, 1.5 & 0.8 W (70 V) suitable for distributed loudspeaker system.) The loudspeaker unit shall have a useable frequency range of 110 Hz ~ 20 kHz with a minimum SPL of 88 dB at 1 W/m and a coverage angle of 180 deg.. The weight of the speaker unit shall not exceed 0.46 kg (CS 332) / 0.35 kg (CS 332L) and dimensions shall be not more than 127 mm diameter and depth 77 mm.

WEB: www.aexsystem.com

Documents / Resources

AEX CS 332 Splashproof Ceiling Loudspeaker [pdf] Owner's Manual
CS 332L, CS 332 Splashproof Ceiling Loudspeaker, CS 332, Splashproof Ceiling Loudspeaker, Ceiling Loudspeaker, Loudspeaker

References

- **User Manual**