



DL-E-AB 06-100/T-EN54 safe

- High sound pressure level
- Low mounting depth
- Quick mounting

EN54

CE
25

EN 54-24:2008
Ref. Nr.: 006-13
ID-Code: SAA-LS06
1438-CPR-0997

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CE-Symbol gemäß Richtlinie 93/68EWG

A/B-line ceiling speaker with high-quality plastic contact protection for voice alarm applications, EN 54-24 certified, suitable for voice announcements and background music with excellent sound quality in buildings.

The 2x6W powered speaker is equipped with two full-range loudspeakers and two 100V transformers with 3 power adjustments, each. An extremely flat construction method allows a low mounting depth. For additional safety, ceramic blocks, and thermal fuses are provided and the speaker chassis is impregnated against dampness. Protection class IP 21C secures the speaker against the impact of environmental influences.

Quick and easy mounting with spring clamps and short tension distance. Perfectly suitable for installations where the installation depth is very limited. This speaker is suitable for a ceiling strength of 3-45 mm. Our specification is primarily related to solid ceilings, for ceilings with soft materials higher ceiling thicknesses could be necessary. In addition, stronger cables and other fittings may also result in changes in the appropriate setup. With regard to the variety of materials and manufacturers, we recommend building a sample of the speaker to match the requirements accurately.

Product	DL-E-AB 06-100/T-EN54 safe
Article No	20142905

Acoustics

Power	2x6/3/1,5 W
Impedance (100V)	2 x 1667/3333/6667 ohm
Speaker ø	100 mm
Frequency Range	103 - 20.100 Hz (single) | 107 - 19.600 Hz (double)
Frequency Response	96 - 23.300 Hz (single) | 101 - 22.900 Hz(double)
SPL 1W/1m, peak	88,0 dB (single) | 94,0 dB (double)
SPL 1W/4m, peak	76,0 dB (single) | 82,0 dB (double)
SPL Pmax/4m, peak	83 dB (single) | 89 dB (double)
SPL IEC268-5, 1W/1m	85,0 dB (single) | 89,0 dB (double)
SPL IEC268-5, Pmax/1m	92,8 dB (single) | 96,8 dB (double)
Sensitivity EN54-24, 1W/1m	85,0 dB (single) | 89,0 dB (double)
Sensitivity EN54-24, 1W/4m	73,0 dB (single) | 77,0 dB (double)
Dispersion -6dB, 500Hz	180° h/v (s/d)
Dispersion -6dB, 1KHz	180° h/v (s/d)
Dispersion -6dB, 2KHz	180° h/v (single) | 77°/137° h/v (double)
Dispersion -6dB, 4KHz	150°/100° h/v (single) | 33°/90° h/v (double)

Connections and Housing

Connector	2-pin ceramic block
Temperature Range	-10 / +55 °C
Type A/B	A
Dimensions	246x68 mm
Ceiling Cut-out	218 mm
Weight (net)	1,10 kg
Housing	metal
Colour	RAL 9016
Mounting	spring clamp
IP Rating	IP21

Certification

Ref. Nr.	006-13
ID-Code	SAA-LS06
Certificate Number	1438-CPR-0997

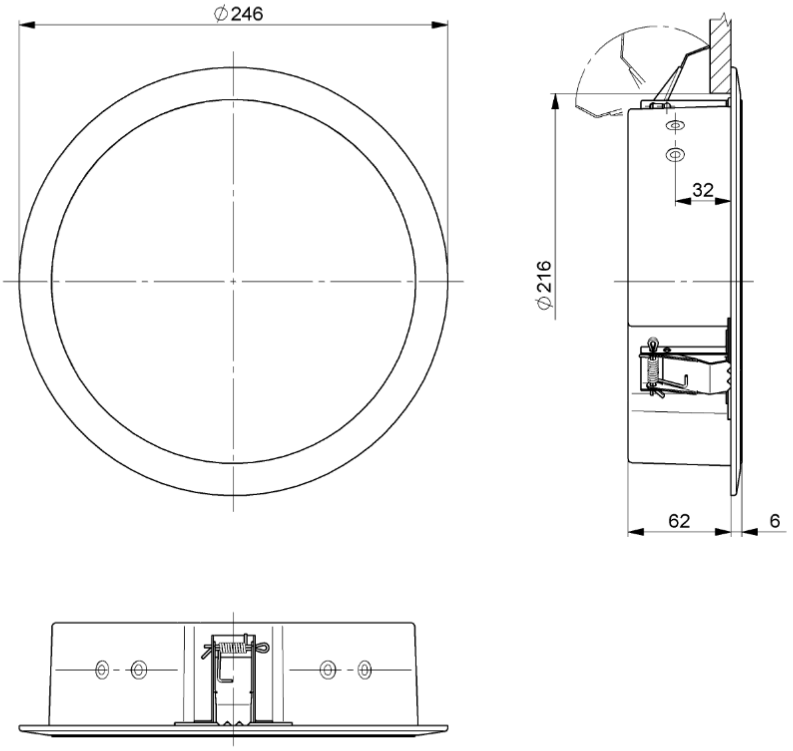
Product Attributes



Technical Drawing

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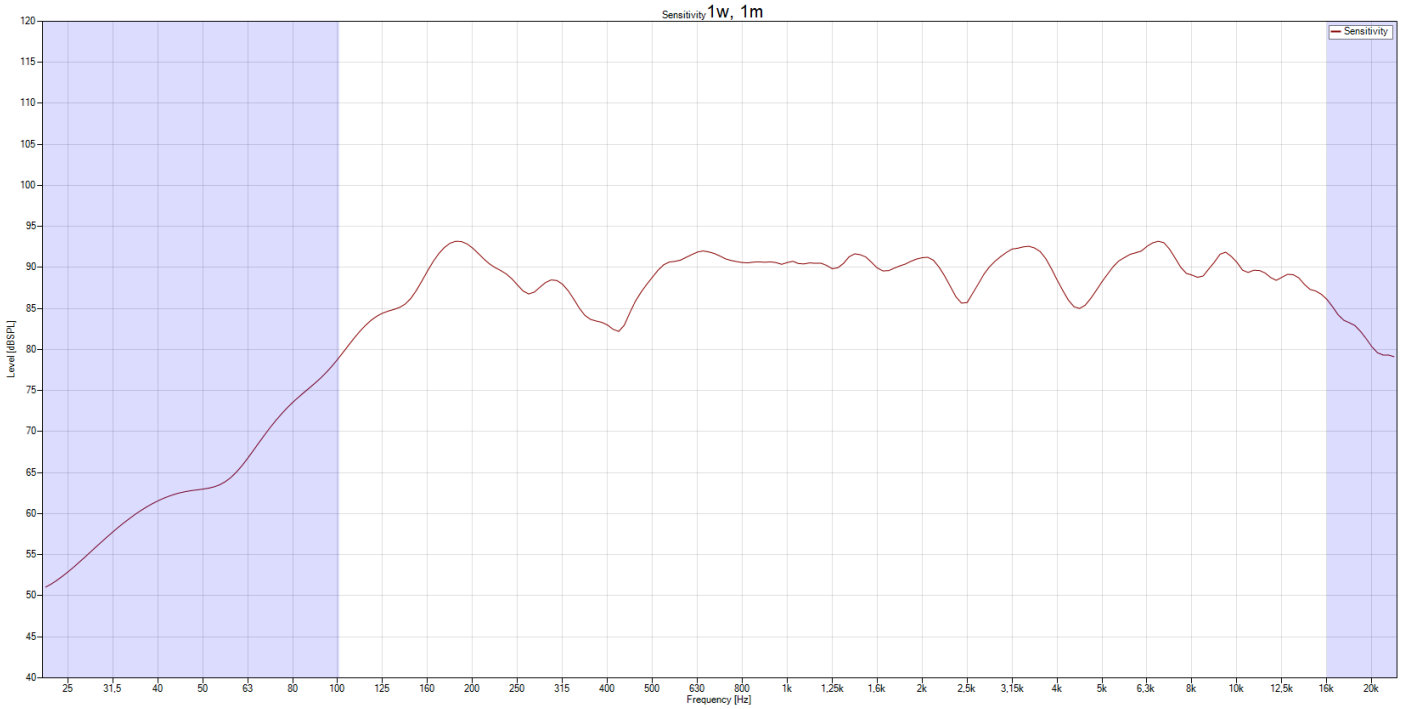
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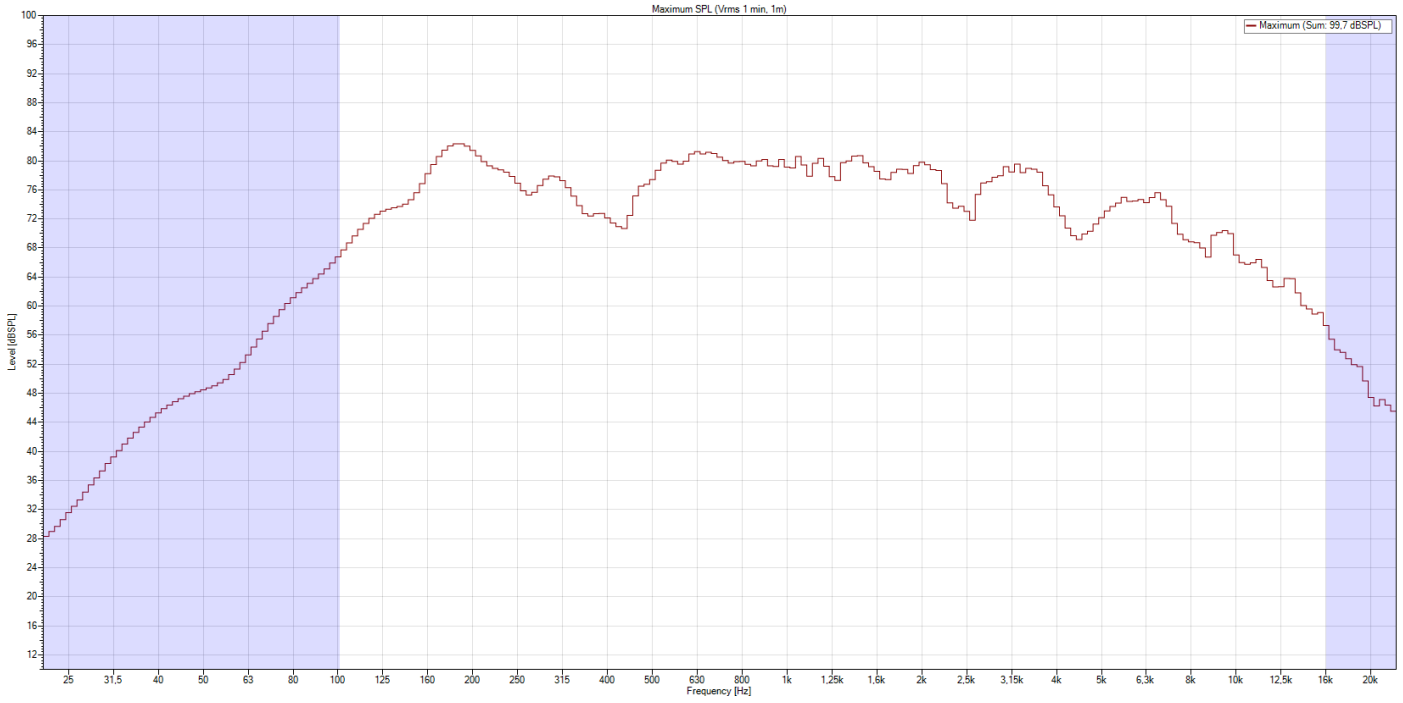
all dimensions are in mm

Frequency Response Diagram

Sensitivity

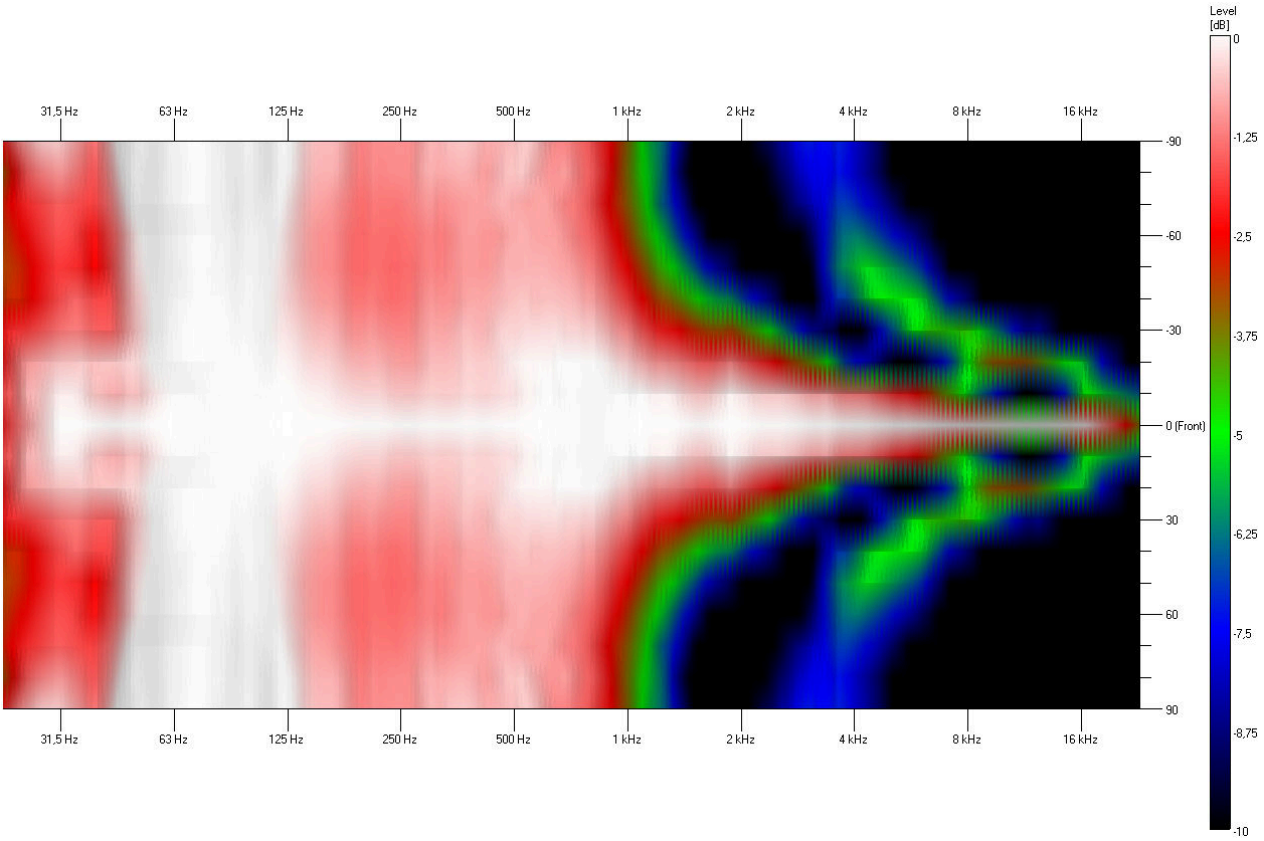


SPL Max

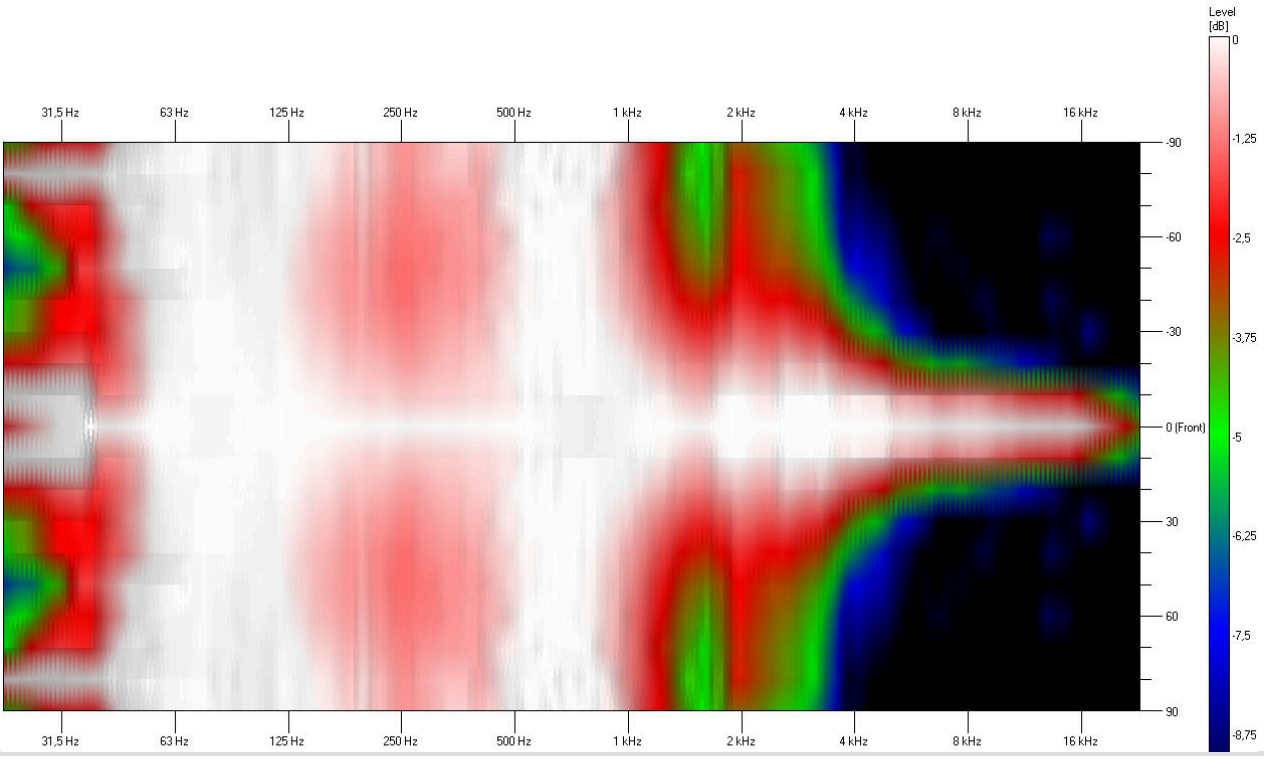


Isobar

Horizontal

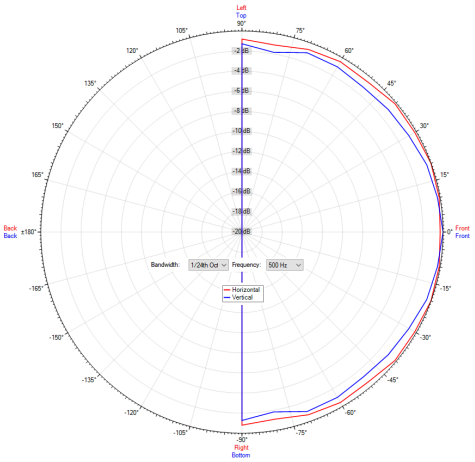


Vertical

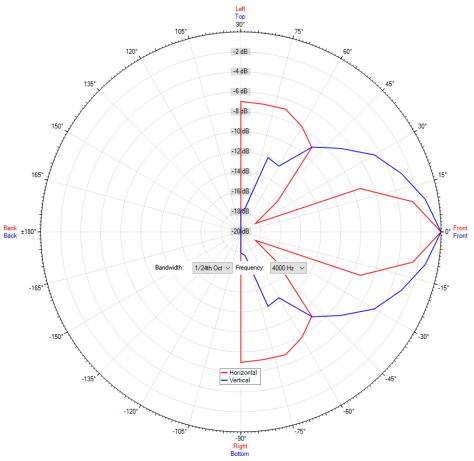


Polar Diagram

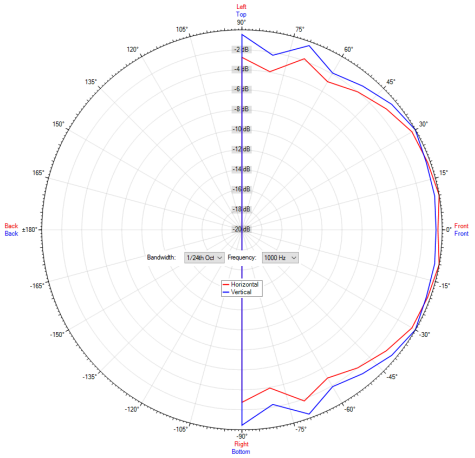
Polar Diagram 500Hz



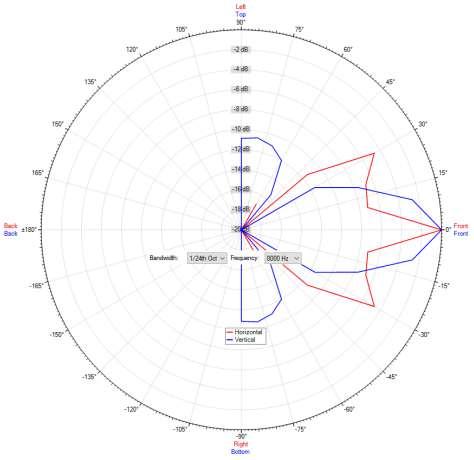
Polar Diagram 4000Hz



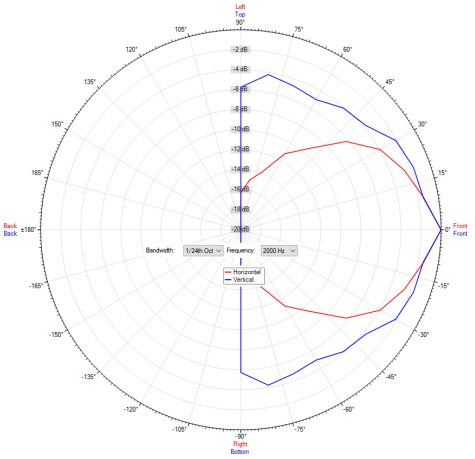
Polar Diagram 1000Hz



Polar Diagram 8000Hz



Polar Diagram 2000Hz



ic audio loudspeakers are tested and classified according to the IEC standard 60529 (degree of protection by enclosure) against the penetration of foreign objects and moisture. The classification is conforming to standards through characterization with a fixed code. This code consists of the letters IP (International Protection) followed by two digits. The first digit indicates the degree of protection against dust and the second digit the degree of protection against water. Please note that the testing of the products has been carried out in laboratory conditions which are not always 100% comparable with the conditions of different installation environments. This protection can be reduced due to normal wear and tear depending on the installation environment.

RoHS compliant (2011/65/EU)

The IP rating specified is based on ic audio test results, not on CNBOP-PIB test results. Certification only verifies the minimum requirements for EN54-24 compliance.

Article No: 20142905
Packing Unit: 8