



## DL-A-AB 06-100/T-EN54

- Quick mounting
- Highest reliability
- BS 5839

EN54

CE
16

EN 54-24:2008
**Ref. Nr.**: 004-15
**ID-Code**: SAA-LS04
1438-CPR-0448

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68307 Mannheim, Germany

CE-Symbol gemäß Richtlinie 93/68EWG

The DL-A-AB 06-100/T-EN54 is a surface-mounted ceiling speaker designed with two independent speakers and 100V transformers to enable the economic operation of two separate speaker lines (A/B lines) for the highest security demands. In case of a failure of one speaker line, the redundancy of the chassis and the transformers will guarantee unimpaired function. The speaker is compliant with the British Standard BS 5839, Part 8.

The 2x6W powered speaker is equipped with two full-range loudspeakers and two 100V transformers with 3 power adjustments each. The surface-mounted loudspeaker for voice alarms, made of powder-coated metal in RAL 9010, impresses with its flat and elegant design for inconspicuous installations.

Equipped with ceramic clamps and thermal fuses, and impregnated against wetness. Easy installation with the included rear metal plate, fixed by screws on the ceiling.

| | |
|---|---|
| Product | DL-A-AB 06-100/T-EN54 |
| Article No | 20142910 |

## Acoustics

| | |
|---|---|
| Power | 2x6/3/1,5 W |
| Impedance (100V) | 2 x 1667/3333/6667 ohm |
| Speaker ø | 100 mm |
| Frequency Range | 182 - 17.400 Hz (single) \| 279 - 17.600 Hz (double) |
| Frequency Response | 192 - 23.500 Hz (single) \| 197 - 23.500 Hz (double) |
| SPL 1W/1m, peak | 97,6 dB (single) \| 102,9 dB (double) |
| SPL 1W/4m, peak | 85,6 dB (single) \| 90,9 dB (double) |
| SPL Pmax/4m, peak | 93,3 dB (single) \| 98,6 dB (double) |
| SPL IEC268-5, 1W/1m | 90,0 dB (single) \| 92,0 dB (double) |
| SPL IEC268-5, Pmax/1m | 97,8 dB (single) \| 99,8 dB (double) |
| Sensitivity EN54-24, 1W/1m | 90,0 dB (single) \| 92,0 dB (double) |
| Sensitivity EN54-24, 1W/4m | 78,0 dB (single) \| 80,0 dB (double) |
| Dispersion -6dB, 500Hz | 180°h/v (s/d) |
| Dispersion -6dB, 1KHz | 170° h/v (single) \| 160° h/v (double) |
| Dispersion -6dB, 2KHz | 132°/124° h/v (single) \| 72°/122° h/v (double) |
| Dispersion -6dB, 4KHz | 130°/103° h/v (single) \| 37°/86° h/v (double) |

## Connections and Housing

| | |
|---|---|
| Connector | 2-pin ceramic block |
| Temperature Range | -10 / +55 °C |
| Dimensions | 208x89 mm |
| Weight (net) | 1,90 kg |
| Housing | metal |
| Colour | RAL 9010 |
| Mounting | Screws |
| IP Rating | IP21 |

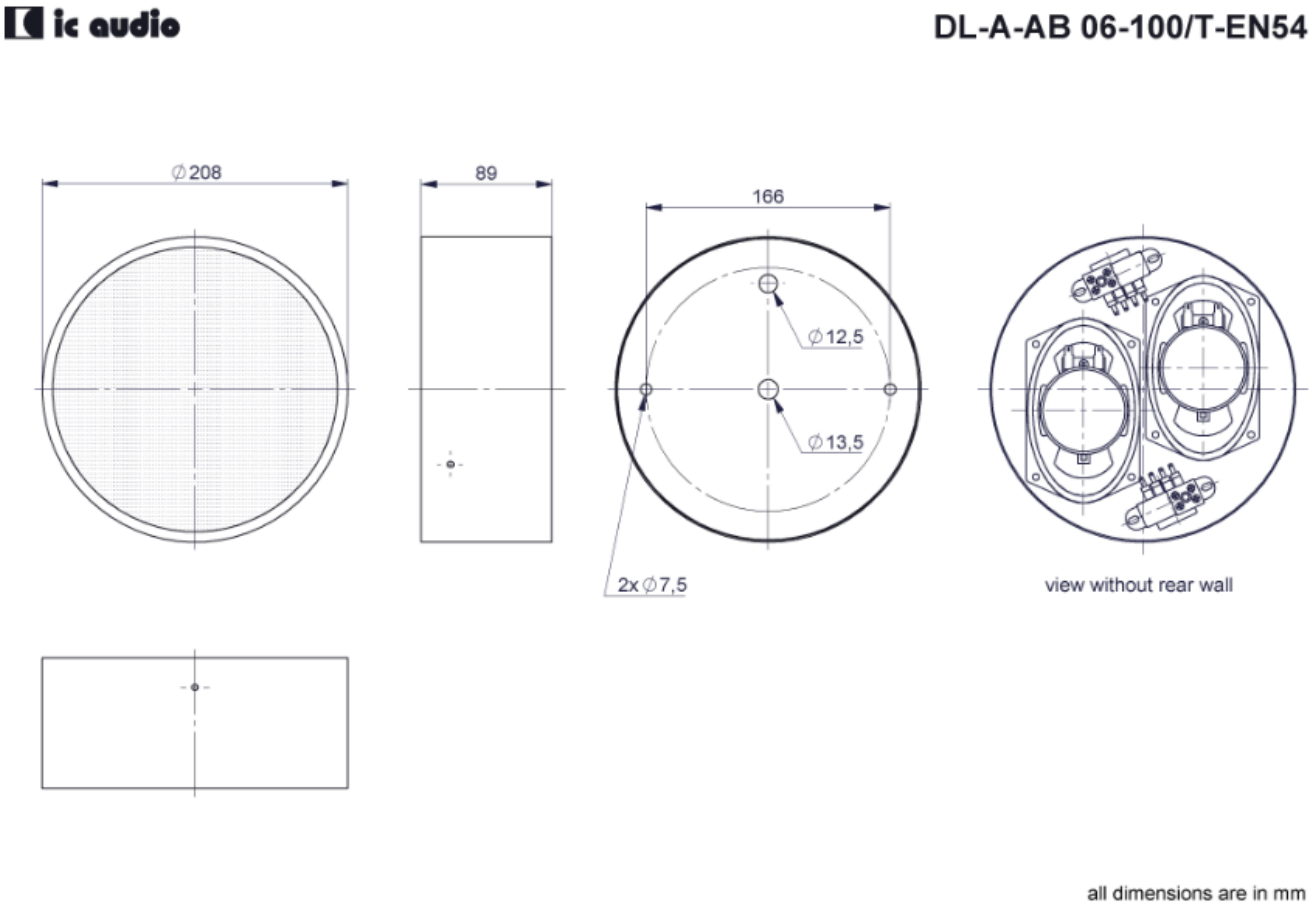
## Certification

| | |
|---|---|
| Ref. Nr. | 004-15 |
| ID-Code | SAA-LS04 |
| Certificate Number | 1438-CPR-0448 |

## Product Attributes

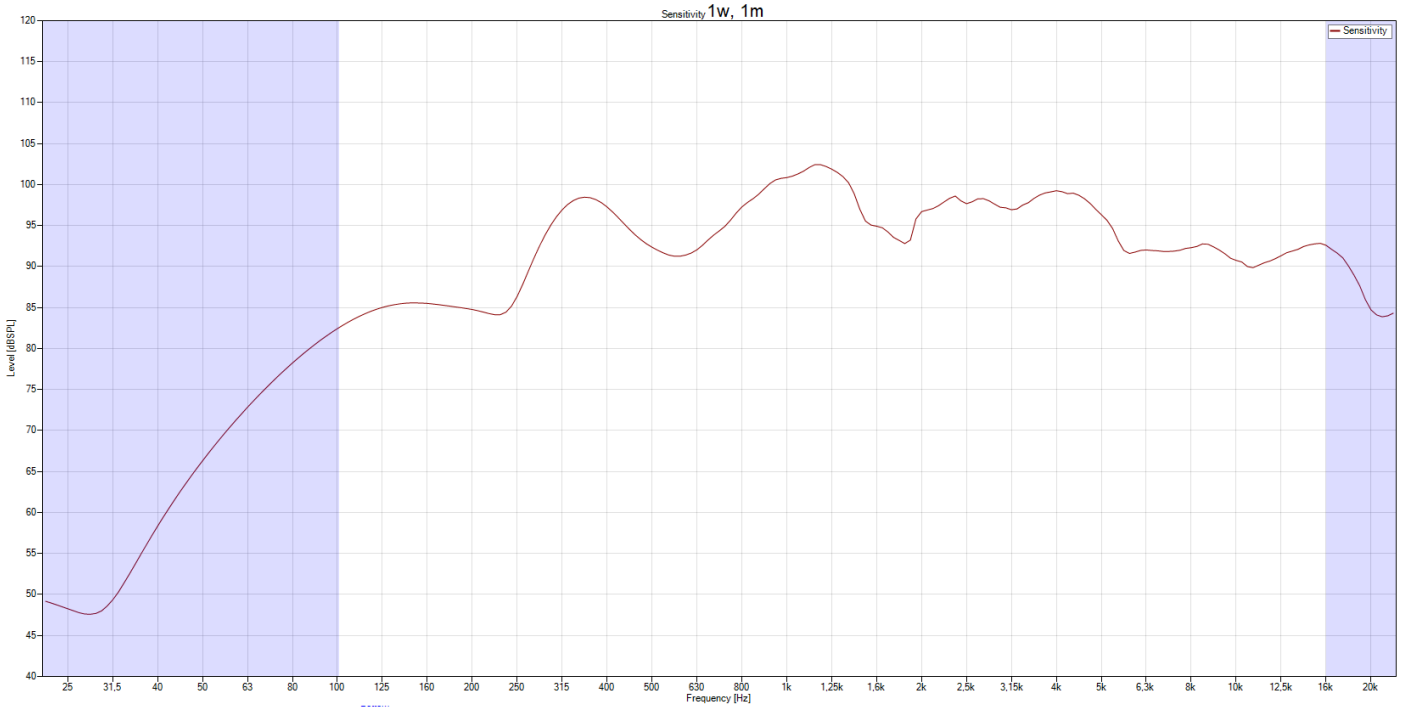


## Technical Drawing

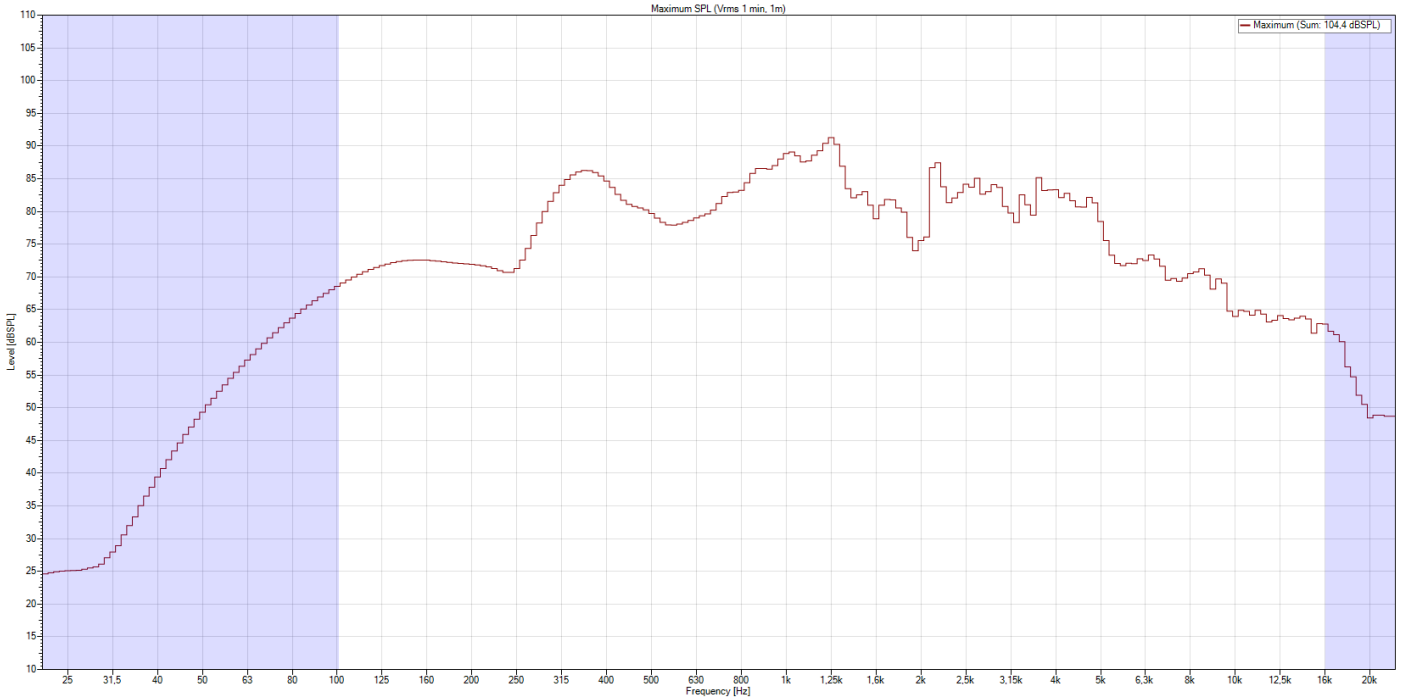


## Frequency Response Diagram

### Sensitivity

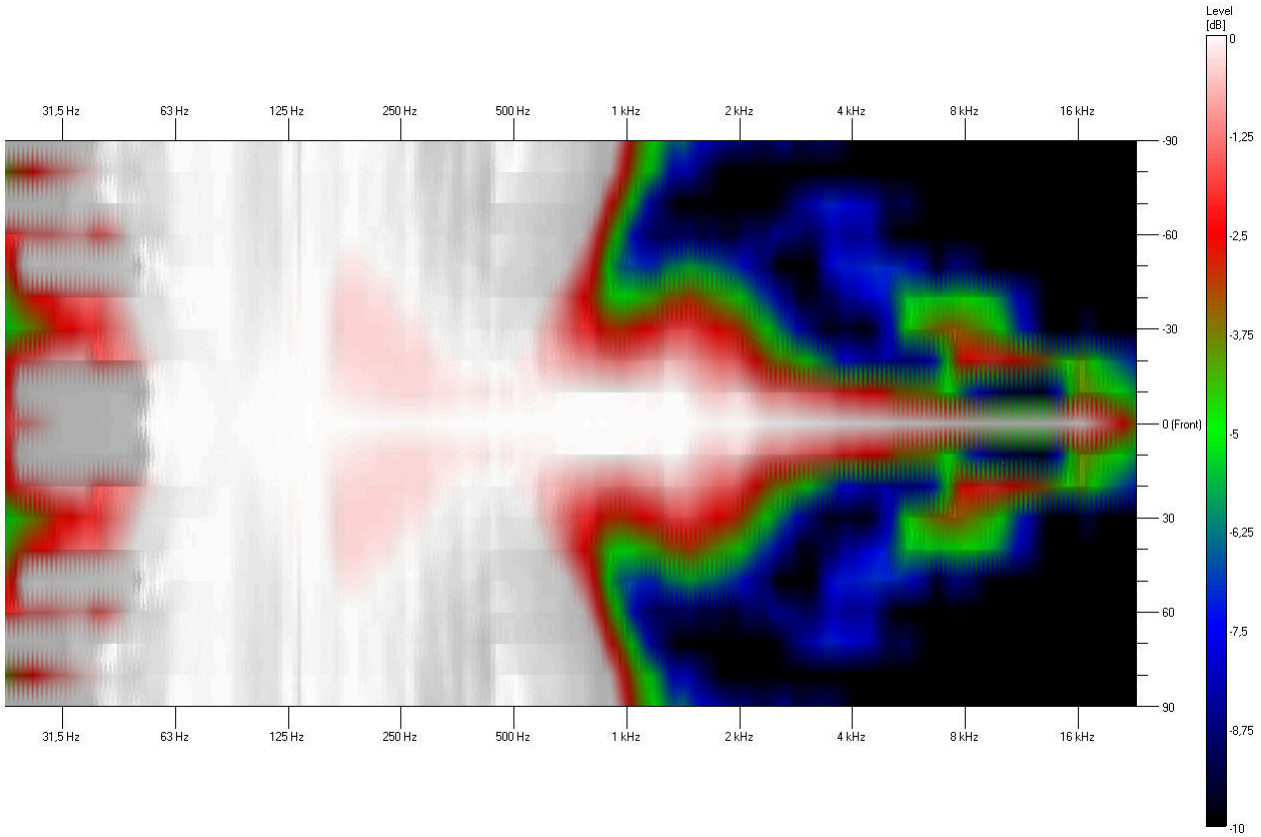



### SPL Max

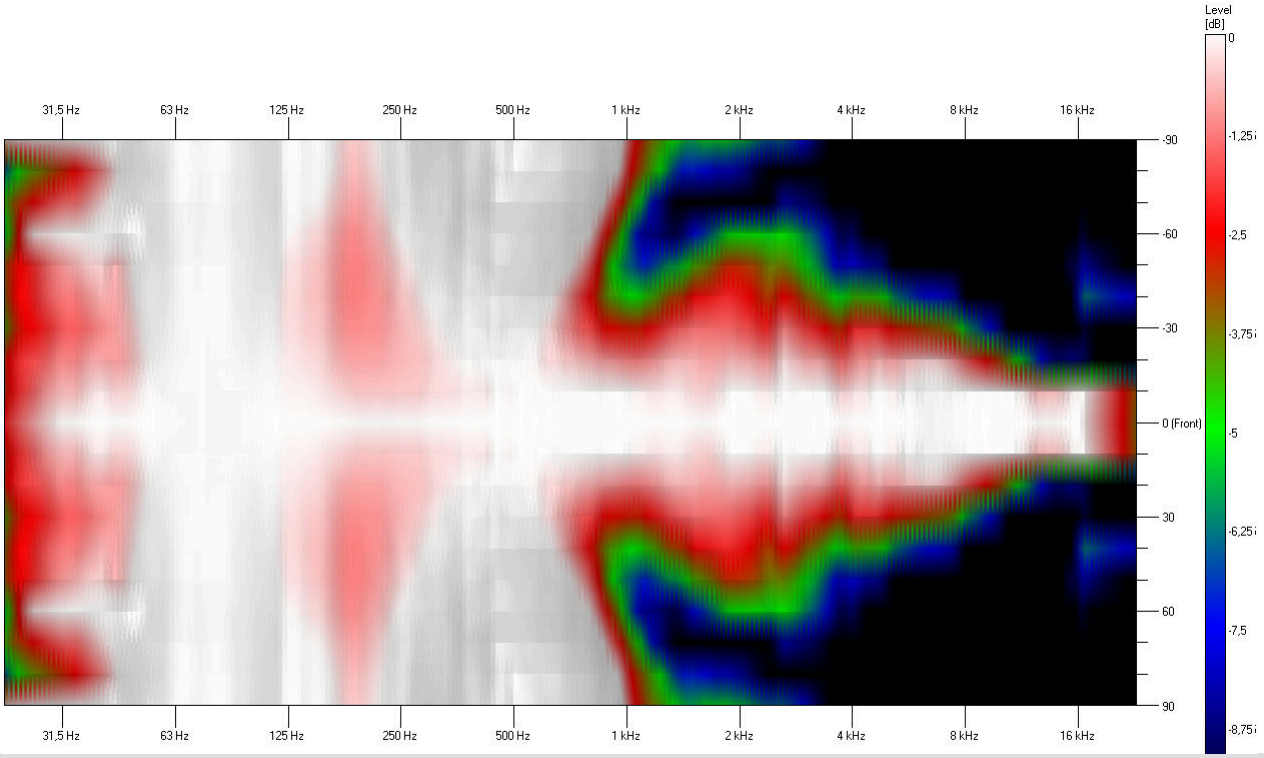


## Isobar

### Horizontal

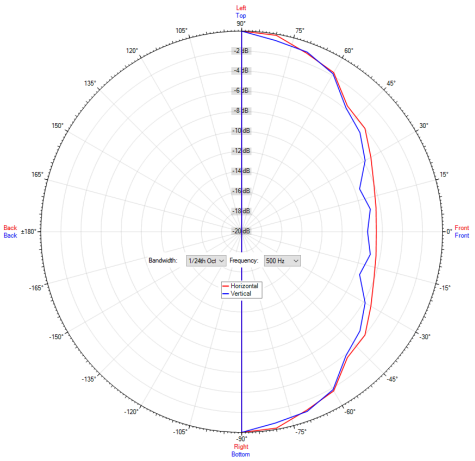



### Vertical

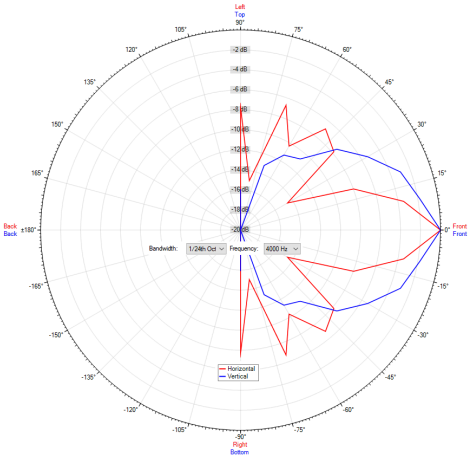


## Polar Diagram

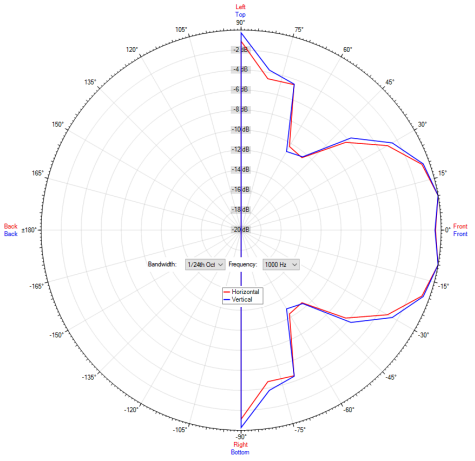
### Polar Diagram 500Hz



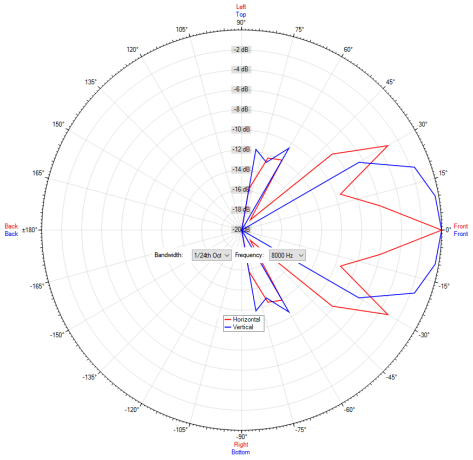

### Polar Diagram 4000Hz



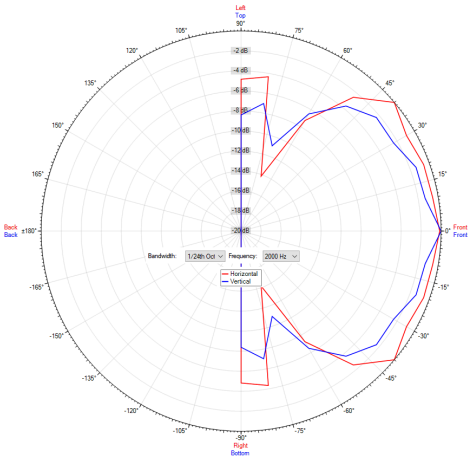

### Polar Diagram 1000Hz




### 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:** 20142910
**Packing Unit:** 8