

DL 06-165/T-EN54

- quick mounting
- shock-resistant housing
- BS 5839

EN54

CE
11

EN 54-24:2008
Ref. Nr.: 010-14
ID-Code: SAA-LS01
1438-CPR-1119

ic audio GmbH, Boehringerstraße 14a,
68307 Mannheim, Germany

CE-Symbol gemäß Richtlinie 93/68EWG

The 6W powered speaker is equipped with a 165mm full-range loudspeaker chassis and a 100V transformer with 3 power adjustments. The powder-coated metal version with a perforated grid cover in RAL 9010 guarantees lasting stability. For additional reliability, a 2-pin ceramic block, and a thermal fuse are provided and the speaker chassis is impregnated against wetness.

The speaker is also secured with protection class IP 55 against the security risks of environmental influences. Quick and easy mounting with spring clamps and short tension distance. The connecting cables can be supplied by rubber grommets in the fire dome.

The speaker is also compliant with the British Standard BS 5839, Part 8. Special paint of the speaker in 4-digit RAL- or NCS-colour available at extra cost.

The fire dome is included in the delivery.

This speaker is suitable for a ceiling strength of about 2-45 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 06-165/T-EN54
Article No	20102191

Acoustics

Power	6/3/1,5 W
Impedance (100V)	1667/3333/6667 ohm
Speaker ø	165 mm
Frequency Range	404 - 10.100 Hz
Frequency Response	80 - 24.000 Hz
SPL 1W/1m, peak	102,5 dB
SPL 1W/4m, peak	90,5 dB
SPL Pmax/4m, peak	98,2 dB
SPL IEC268-5, 1W/1m	93,0 dB
SPL IEC268-5, Pmax/1m	100,8 dB
Sensitivity EN54-24, 1W/1m	93,0 dB
Sensitivity EN54-24, 1W/4m	81,0 dB
Dispersion -6dB, 500Hz	h/v 180°
Dispersion -6dB, 1KHz	h/v 175°
Dispersion -6dB, 2KHz	h/v 100°
Dispersion -6dB, 4KHz	h/v 50°

Connections and Housing

Connector	2-pin ceramic block
Terminal Diameter	3,2 mm
Maximum Cable Passage	8 mm²
Max. cable cross section loop	2x2 mm²
Temperature Range	-10 / +55 C°
Type A/B	A
Dimensions	220x110 mm
Ceiling Cut-out	198 mm
Weight (net)	1,43 kg
Housing	metal
Colour	RAL 9010
Mounting	Quick fit mounting
IP Rating	IP55

Certification

Ref. Nr.	010-14
ID-Code	SAA-LS01
Certificate Number	1438-CPR-1119

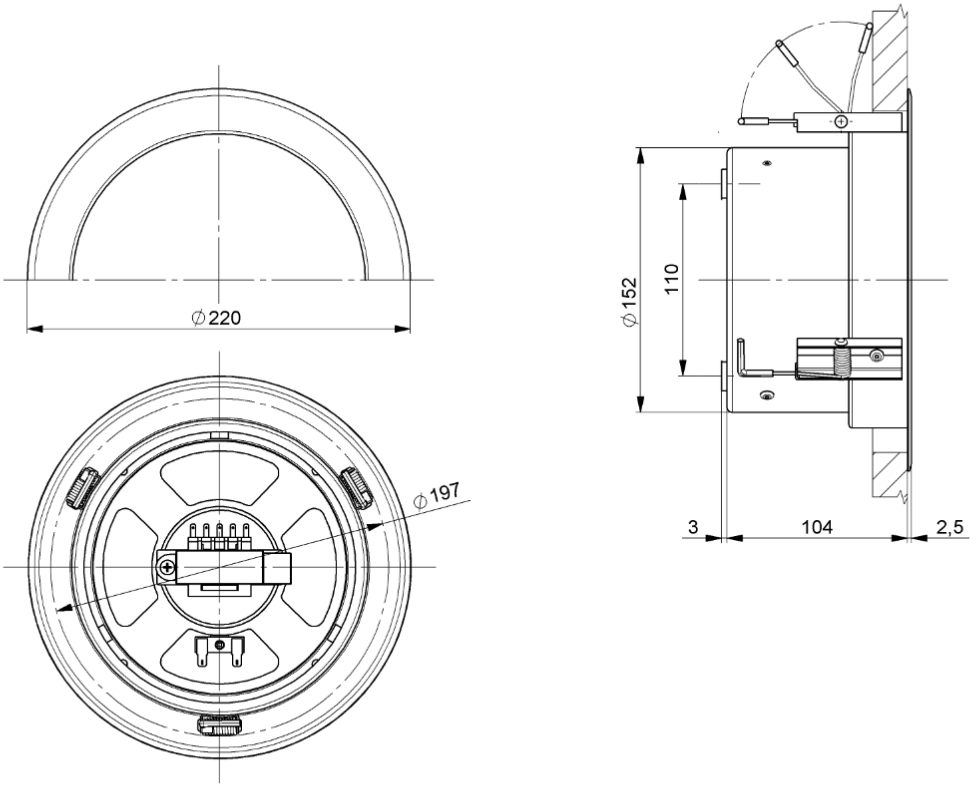
Product Attributes



Technical Drawing

ic audio

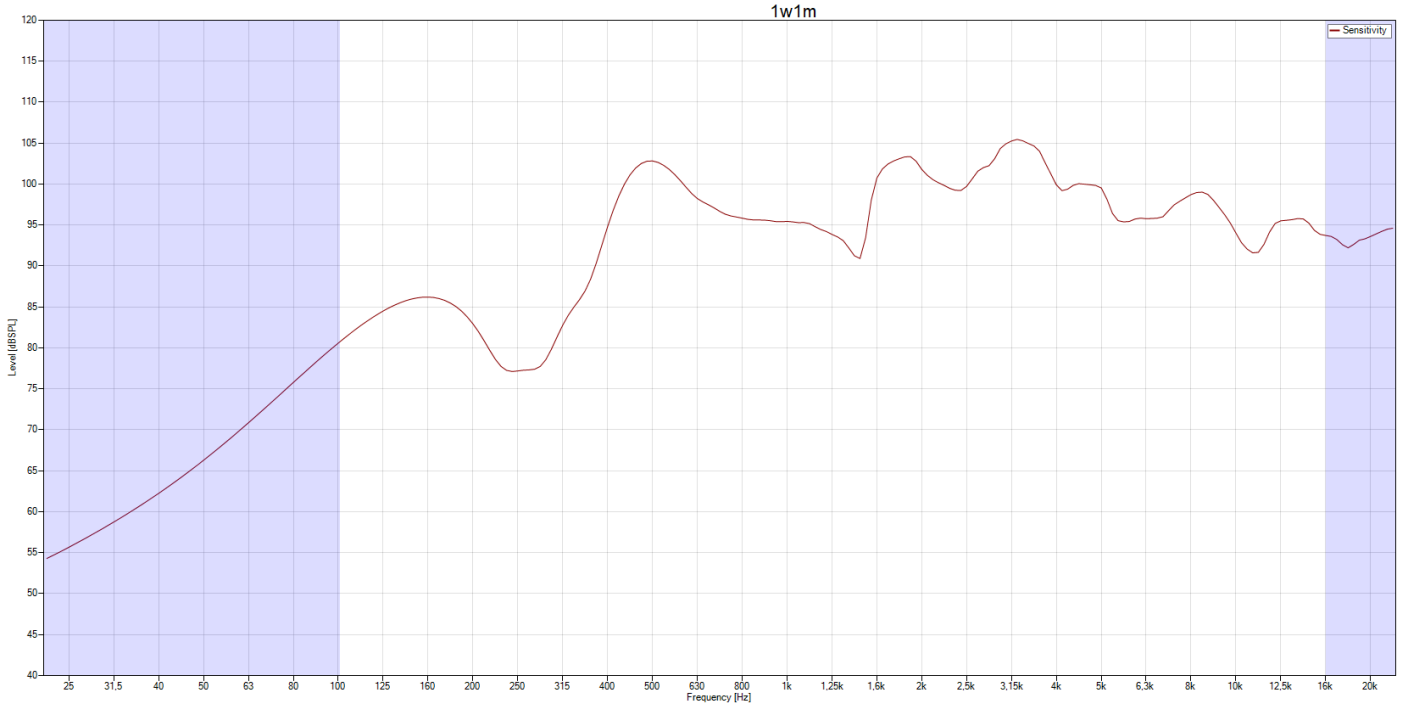
DL 06-165/T-EN54



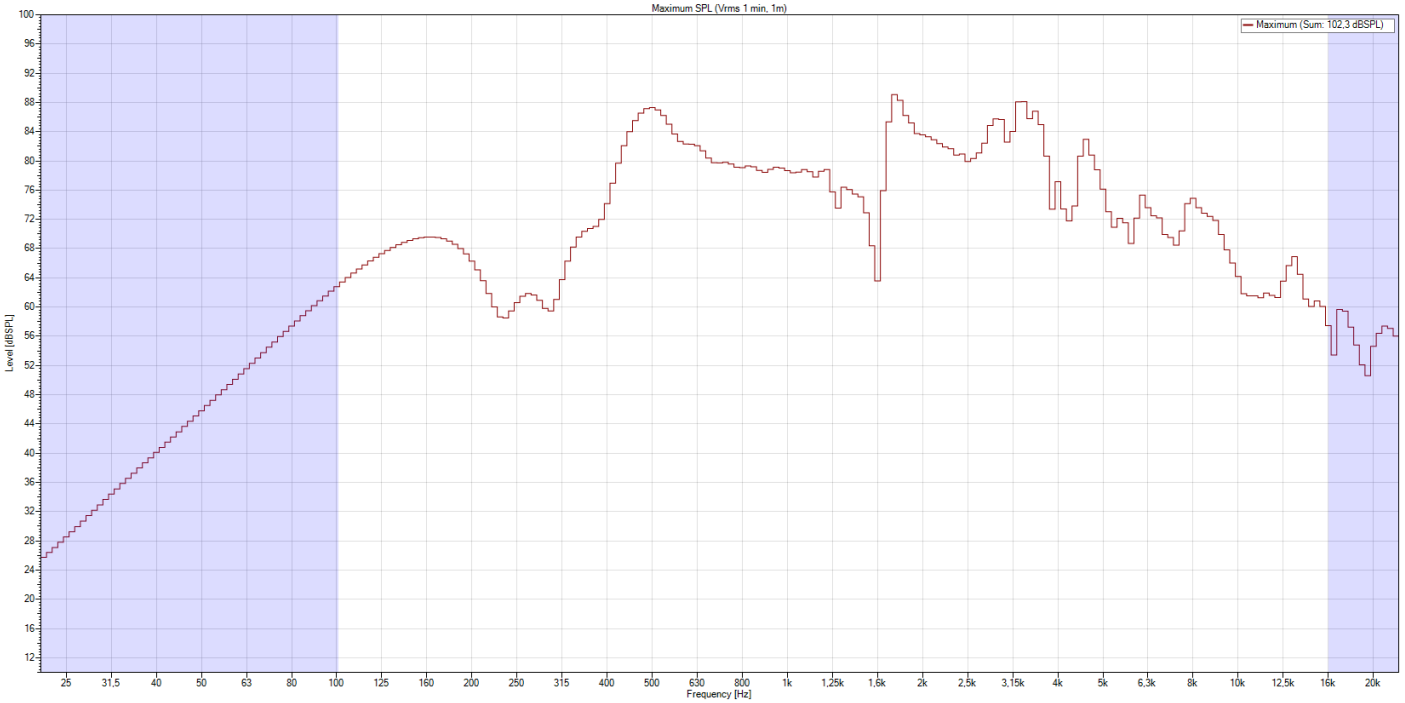
all dimensions are in mm

Frequency Response Diagram

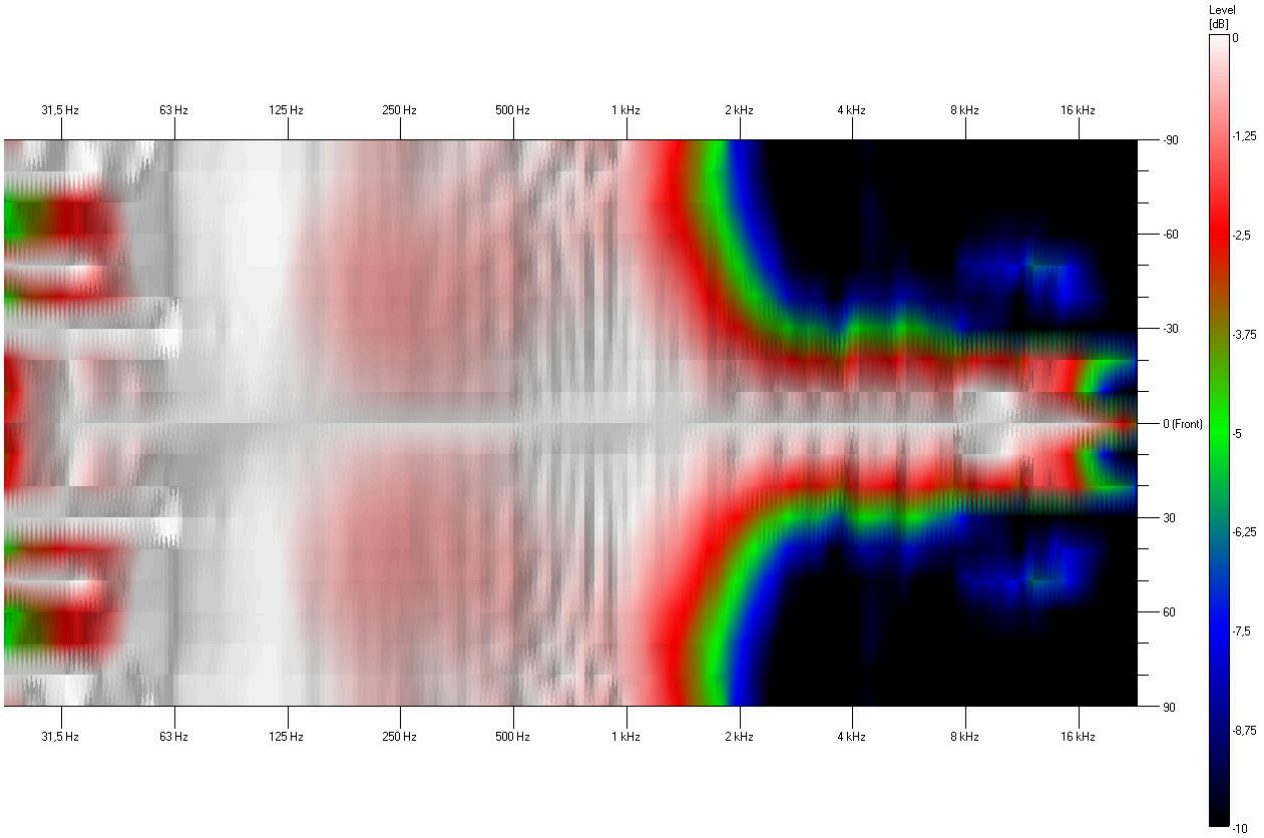
Sensitivity



SPL Max

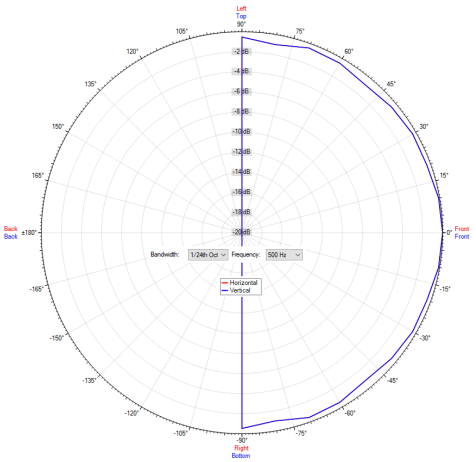


Isobar

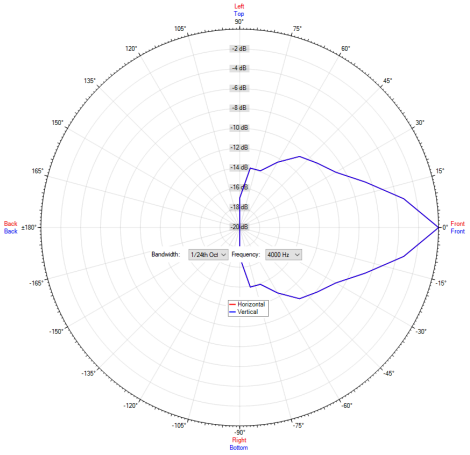

Level
[dB]
0
-1,25
-2,5
-3,75
-5
-6,25
-7,5
-8,75
-10
31,5 Hz
63 Hz
125 Hz
250 Hz
500 Hz
1 kHz
2 kHz
4 kHz
8 kHz
16 kHz
-90
-60
-30
0 (Front)
30
60
90

Polar Diagram

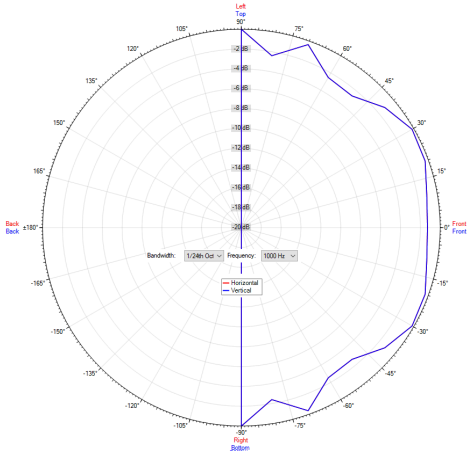
Polar Diagram 500Hz



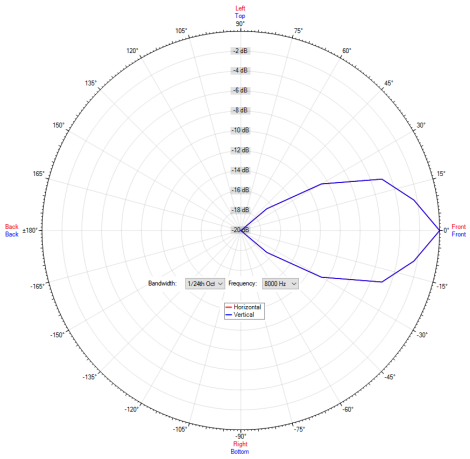
Polar Diagram 4000Hz



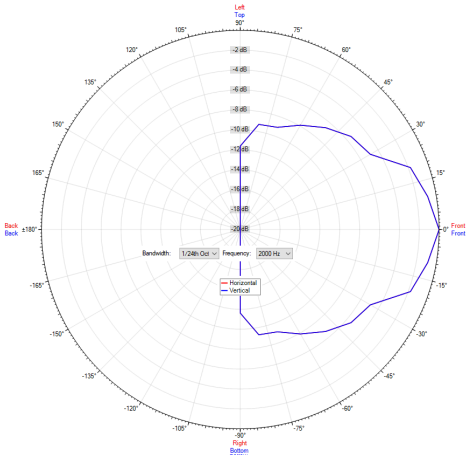
Polar Diagram 1000Hz



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: 20102191
Packing Unit: 12