

WA 06-165/T black-EN54V

- Ball-proof
- Wall- and ceiling mounting
- BS 5839

EN54

CE
26

EN 54-24:2008
Ref. Nr.: 007-13
ID-Code: SAA-LS07
1438-CPR-0231

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 high-density, shock-resistant MDF wood housing in RAL 9005 provides a low resonance sound. A sturdy front grille made of steel guarantees enduring 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 the high protection class IP 54 against the security risks of environmental influences. It is also compliant with the British Standard BS 5839, Part 8.

The quick and easy installation via the enclosed screws prevents the speaker from dropping when installed on ceilings. The very stable construction also offers ball impact resistance and is excellently suited for use in sports facilities and schools.

Product	WA 06-165/T black-EN54V
Article No	20258946

Acoustics

Power	6/3/1,5 W
Impedance (100V)	1667/3333/6667 ohm
Speaker ø	165 mm
Frequency Range	197 - 21.900 Hz
Frequency Response	175 - 23.500 Hz
SPL 1W/1m, peak	100,6 dB
SPL 1W/4m, peak	88,6 dB
SPL Pmax/4m, peak	96,3 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	180° h/v
Dispersion -6dB, 1KHz	160° h/v
Dispersion -6dB, 2KHz	125° h/v
Dispersion -6dB, 4KHz	89° h/v

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	254x195x81 mm
Weight (net)	1,95 kg
Housing	MDF
Colour	RAL 9005
Mounting	screws
IP Rating	IP54

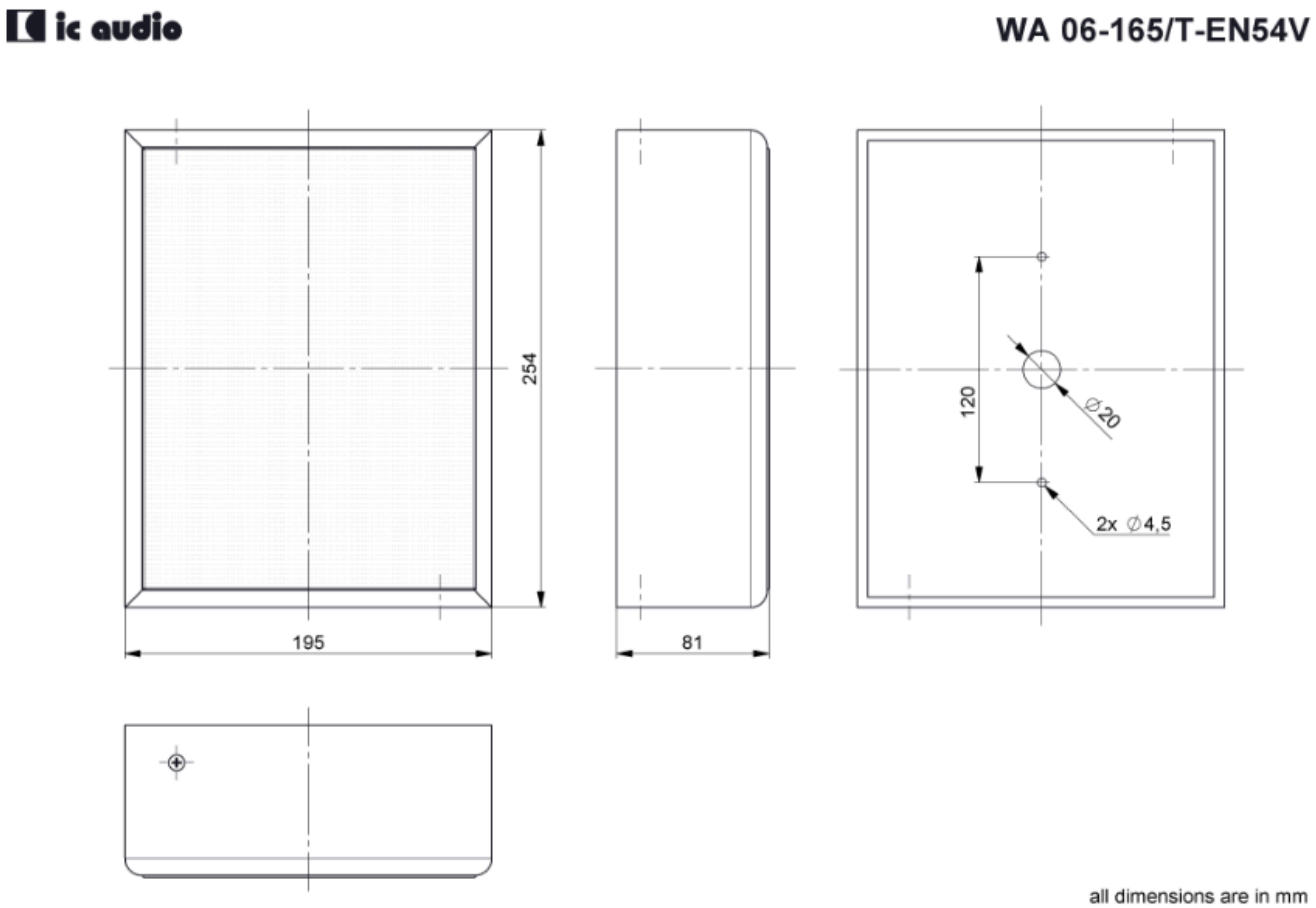
Certification

Ref. Nr.	007-13
ID-Code	SAA-LS07
Certificate Number	1438-CPR-0231

Product Attributes

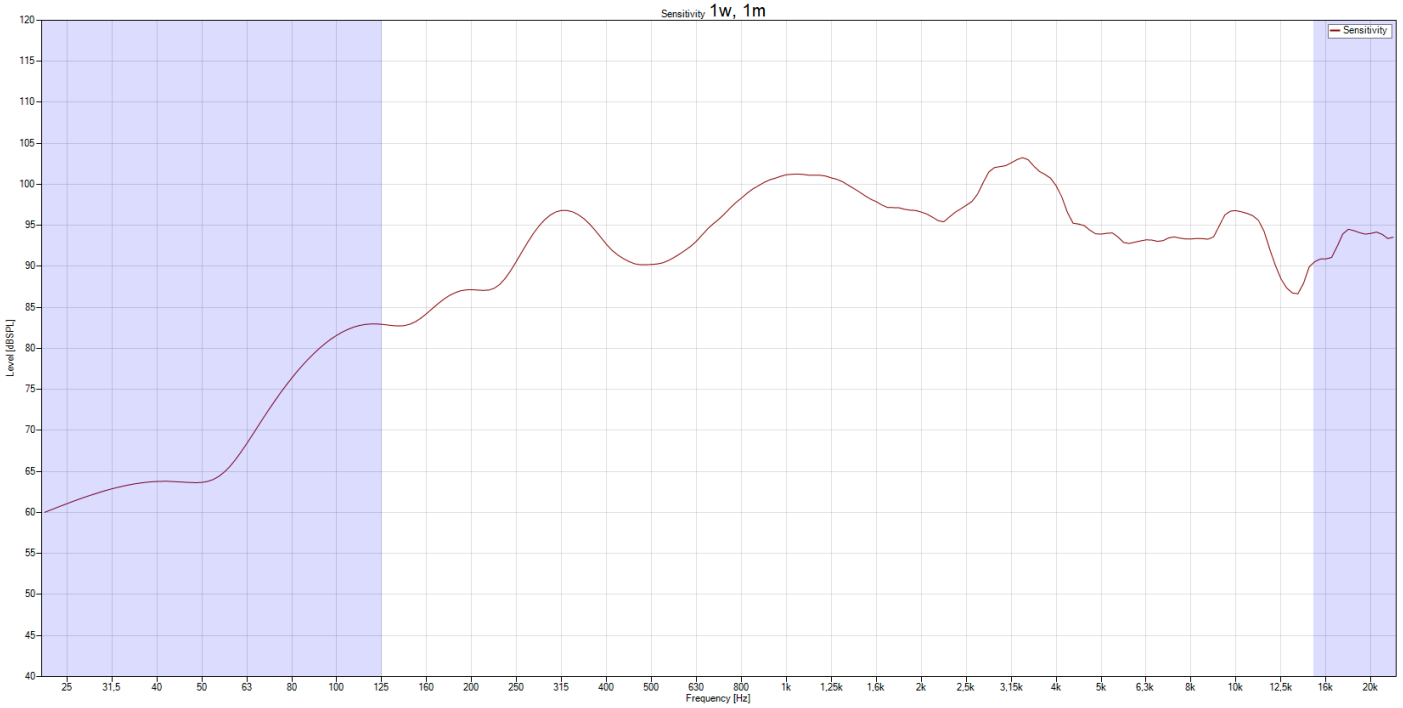


Technical Drawing

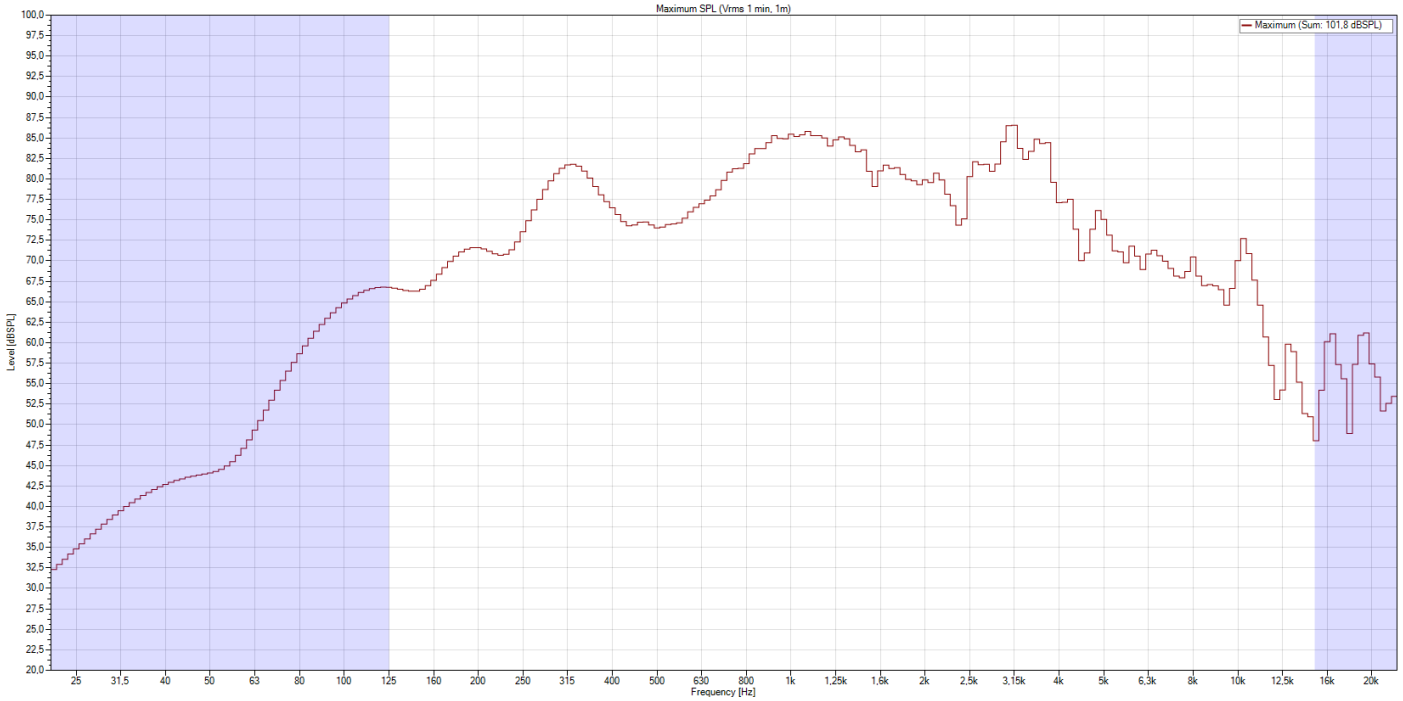


Frequency Response Diagram

Sensitivity

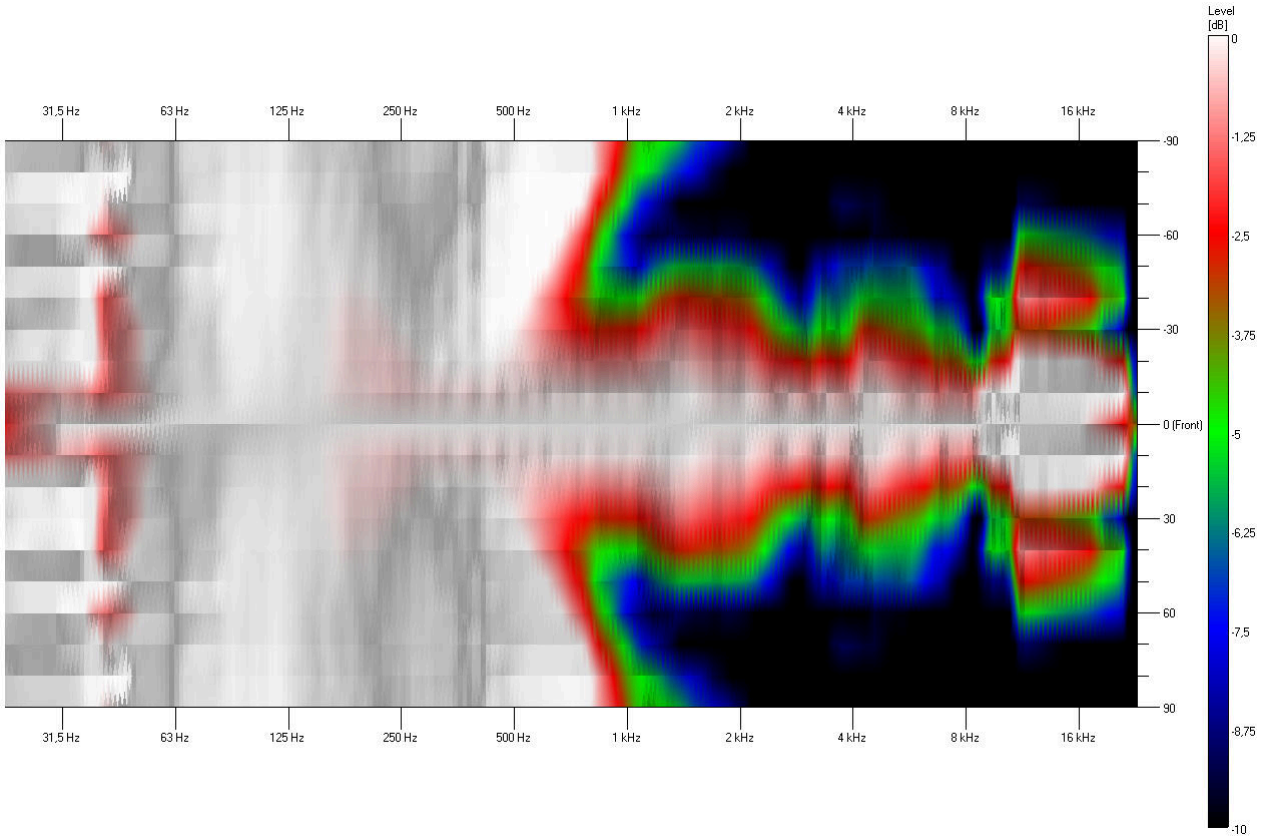


SPL Max

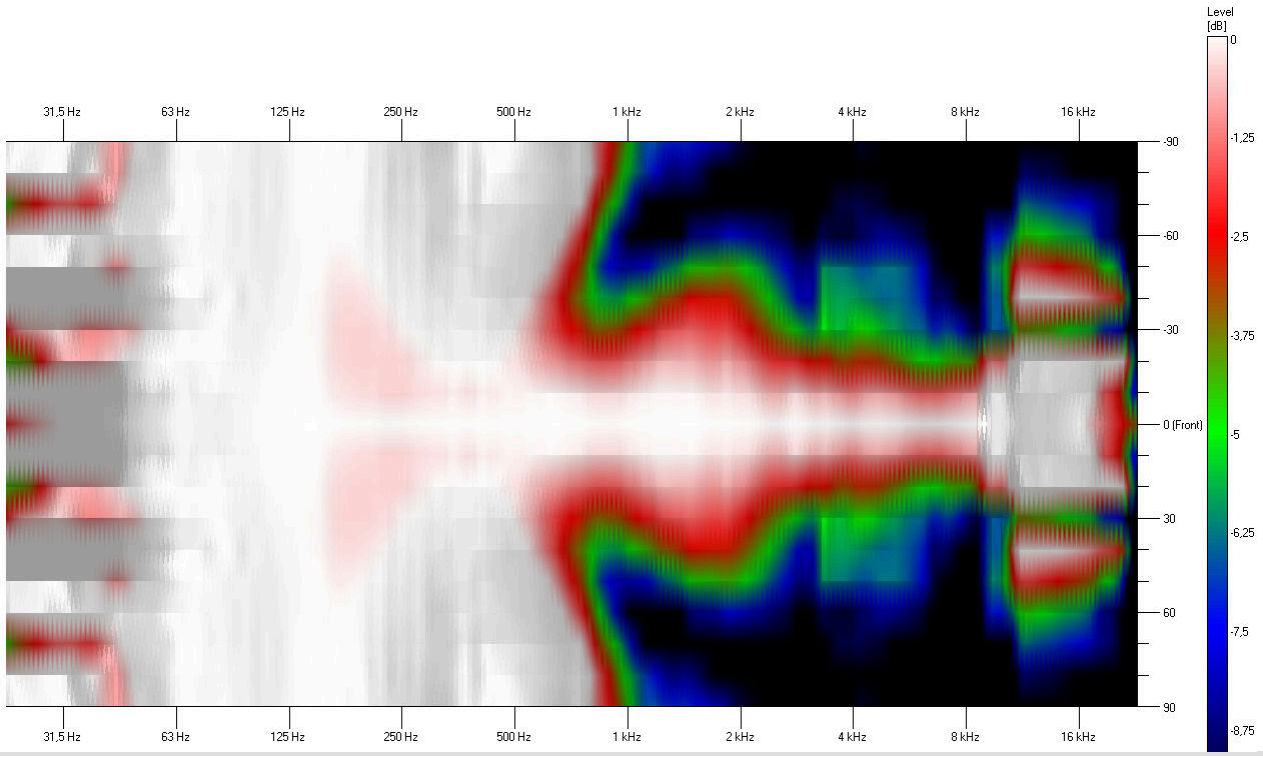


Isobar

Horizontal

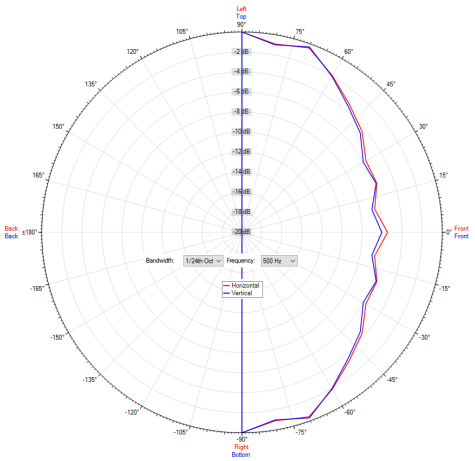


Vertical

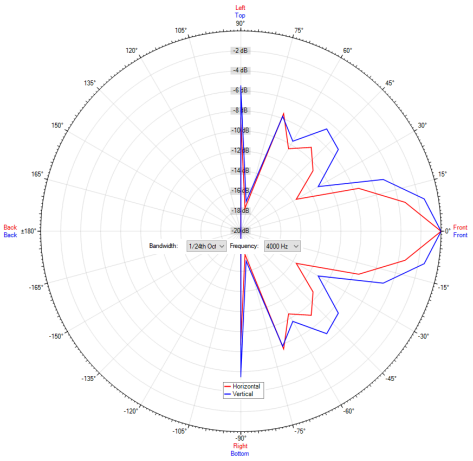


Polar Diagram

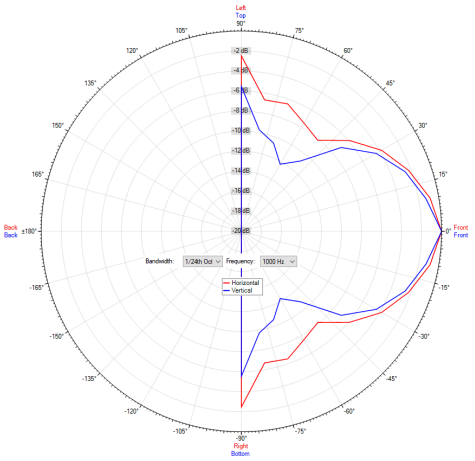
Polar Diagram 500Hz



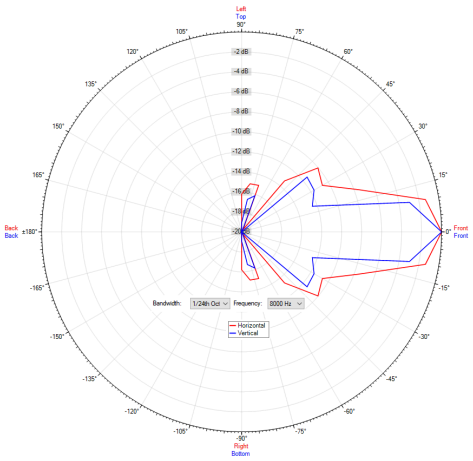
Polar Diagram 4000Hz



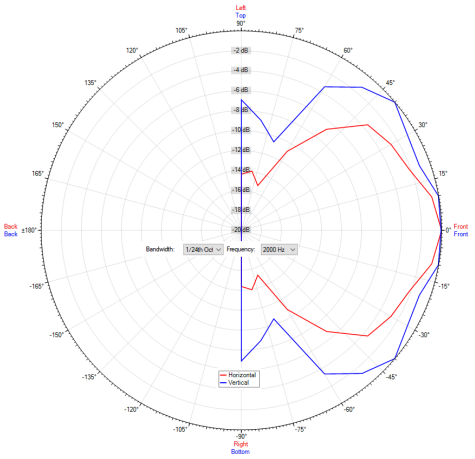
Polar Diagram 1000Hz



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: 20258946
Packing Unit: 8