



DS 100/T plus black-EN54

- Waveguide Technology
- 2-Way Bass reflex
- IP66

EN54

CE
26

EN 54-24:2008
Ref. Nr.: 021-09
ID-Code: SAA-LS26
1438-CPR-0983

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68307 Mannheim, Germany

CE-Symbol gemäß Richtlinie 93/68EWG

The DS 100/T plus-EN54 is the compact powerhouse of our PRO series, with specially developed waveguide technology. Whether sports venues, exhibition halls or stages - the DS-100/T plus-EN54 offers a club atmosphere through an exceptional sound experience with excellent speech intelligibility, certified according to EN54-24.

The attractive design in an impact-resistant ABS housing with an aluminium grille is available in RAL 9005. The 100W speaker is equipped with two 4" performance mid-bass woofers, a 2-way bass reflex system and a high-performance tweeter including a waveguide in D'Appolito arrangement.

A tweeter switch provides a 4dB boost for possible sound correction in near-wall and near-ceiling installations. The loudspeaker offers 4 different 100V power adjustments, and low-impedance operation is also possible.

The loudspeaker is weatherproof with IP66 protection rating. A sturdy aluminium bracket ensures flexible mounting, indoors as well as outdoors. The connection is made via screw terminals for cable cross-sections up to 4 mm², and the feed line into the enclosure via a PG11 cable gland in the cover plate.

This loudspeaker is also available as a professional line array.

Product	DS 100/T plus black-EN54
Article No	20238339

Acoustics

Power	100/50/25 W
Impedance (100V)	100/200/400/ or 1x4 ohm
Speaker ø	100 mm
Frequency Range	54 - 20.500 Hz
Frequency Response	49 - 22.000 Hz
SPL 1W/1m, peak	91 dB / 95 dB (Tweeter +4dB)
SPL 1W/4m, peak	79 dB / 83 dB (Tweeter +4dB)
SPL Pmax/4m, peak	102 dB / 106 dB (Tweeter +4dB)
Sensitivity EN54-24, 1W/1m	86,3 dB
Sensitivity EN54-24, 1W/4m	74,3 dB
Dispersion -6dB, 500Hz	160°/230° h/v
Dispersion -6dB, 1KHz	65°/140° h/v
Dispersion -6dB, 2KHz	120°/100° h/v
Dispersion -6dB, 4KHz	145°/68° h/v
Dispersion -6dB, 8KHz	97° (h) / 1x unit 30° (v) / 2x unit 22° (v) 3x unit 14° (v) / 4x unit 7° (v) / @0°

Connections and Housing

Connector	Screw terminal
Terminal Diameter	2,3 mm
Maximum Cable Passage	4 mm²
Max. cable cross section loop	4 mm²
Temperature Range	-25 / +70 °C
Type A/B	B
Dimensions	341x245x192 mm
Weight (net)	10,0 kg
Housing	ABS
Colour	RAL 9005
Mounting	Mounting bracket
IP Rating	IP66

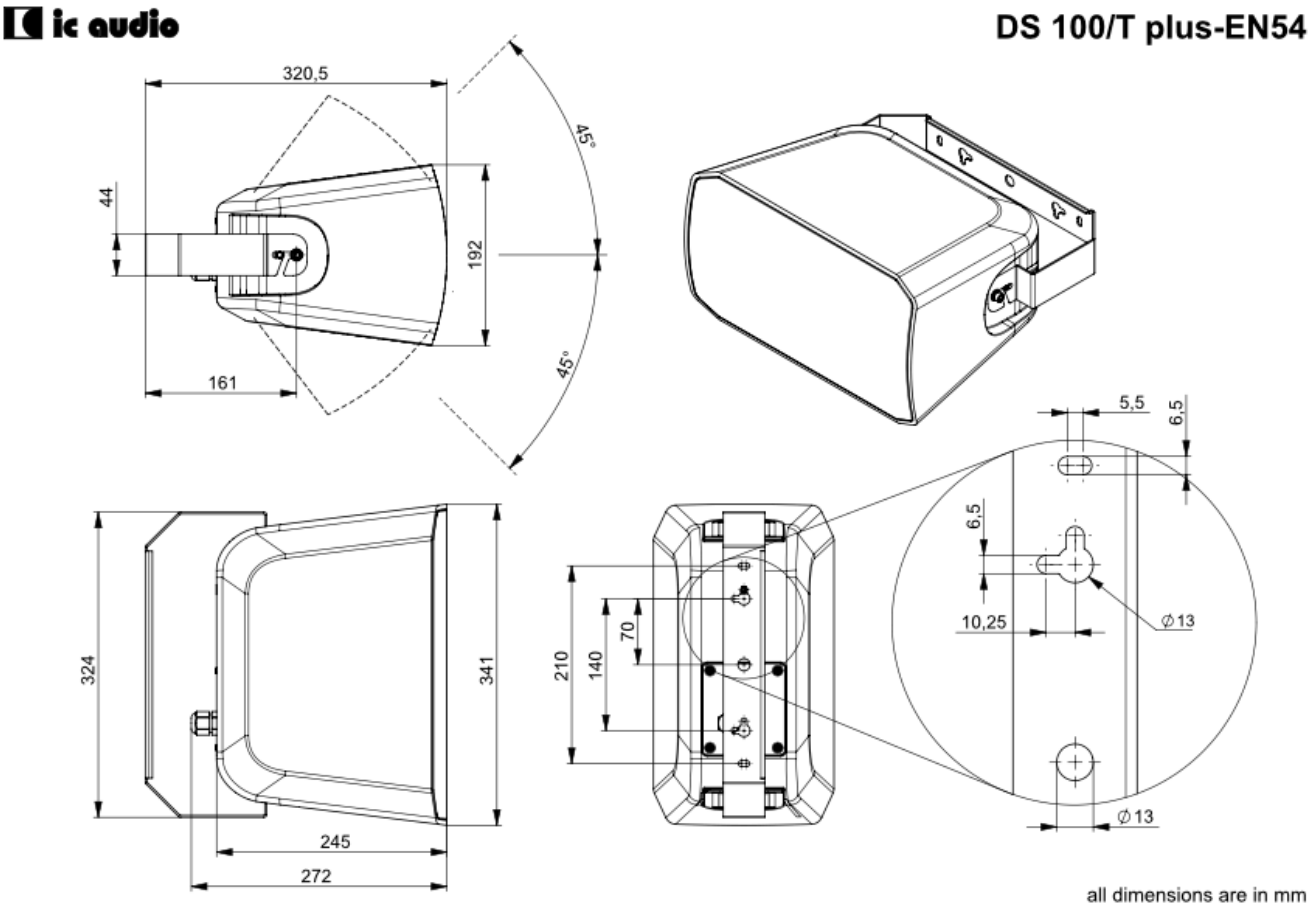
Certification

Ref. Nr.	021-09
ID-Code	SAA-LS26
Certificate Number	1438-CPR-0983

Product Attributes

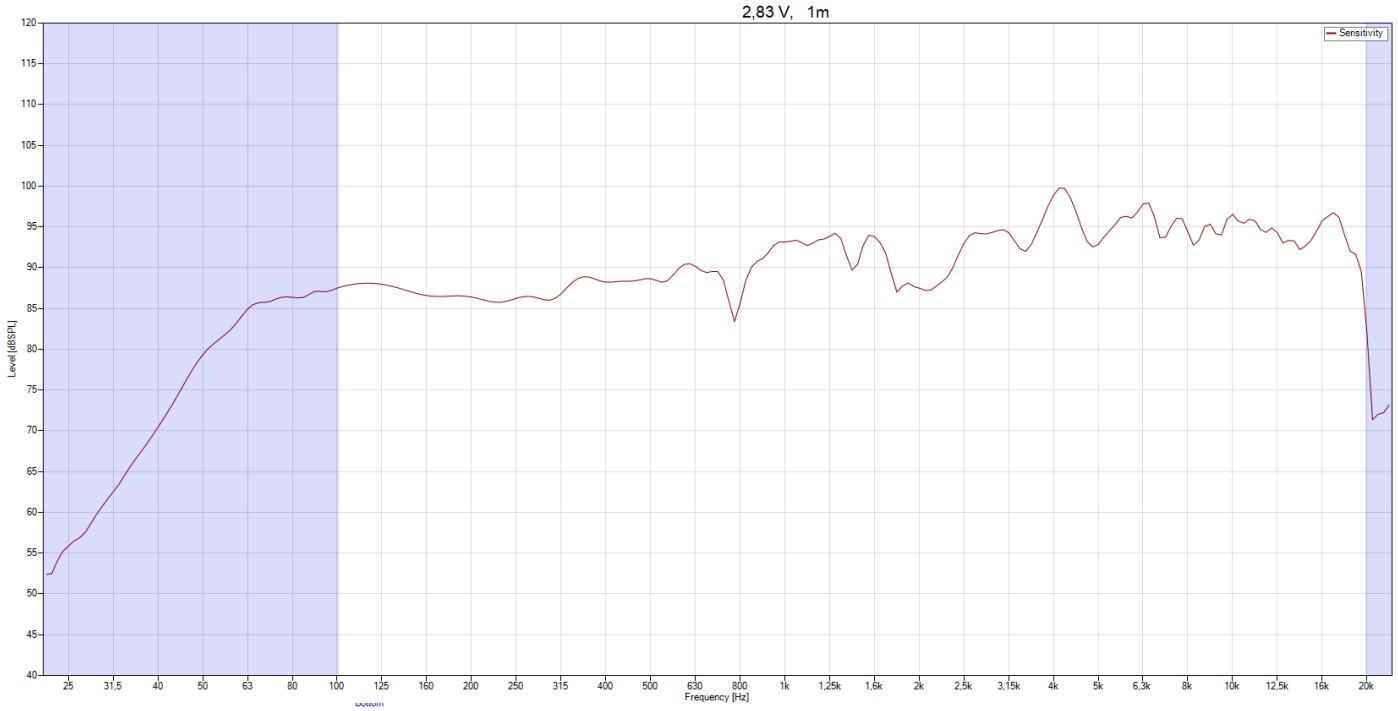


Technical Drawing

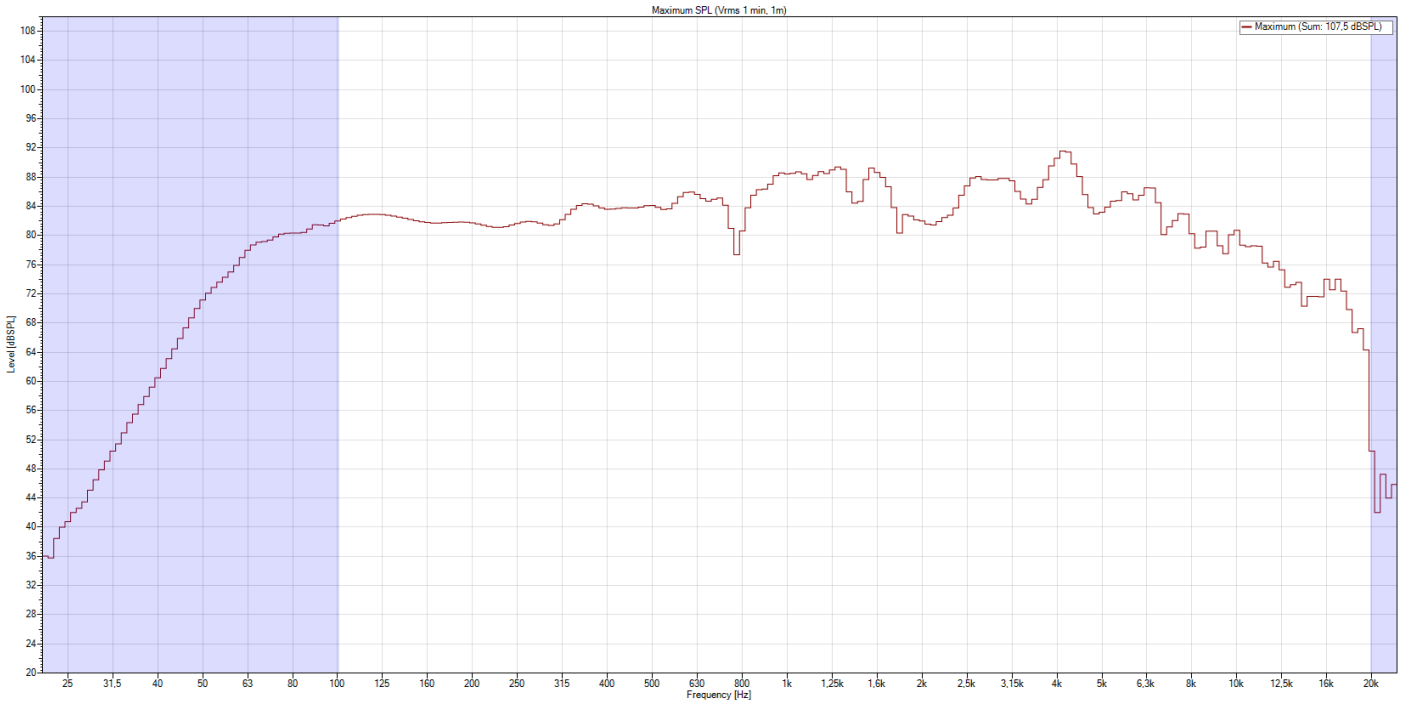


Frequency Response Diagram

Sensitivity

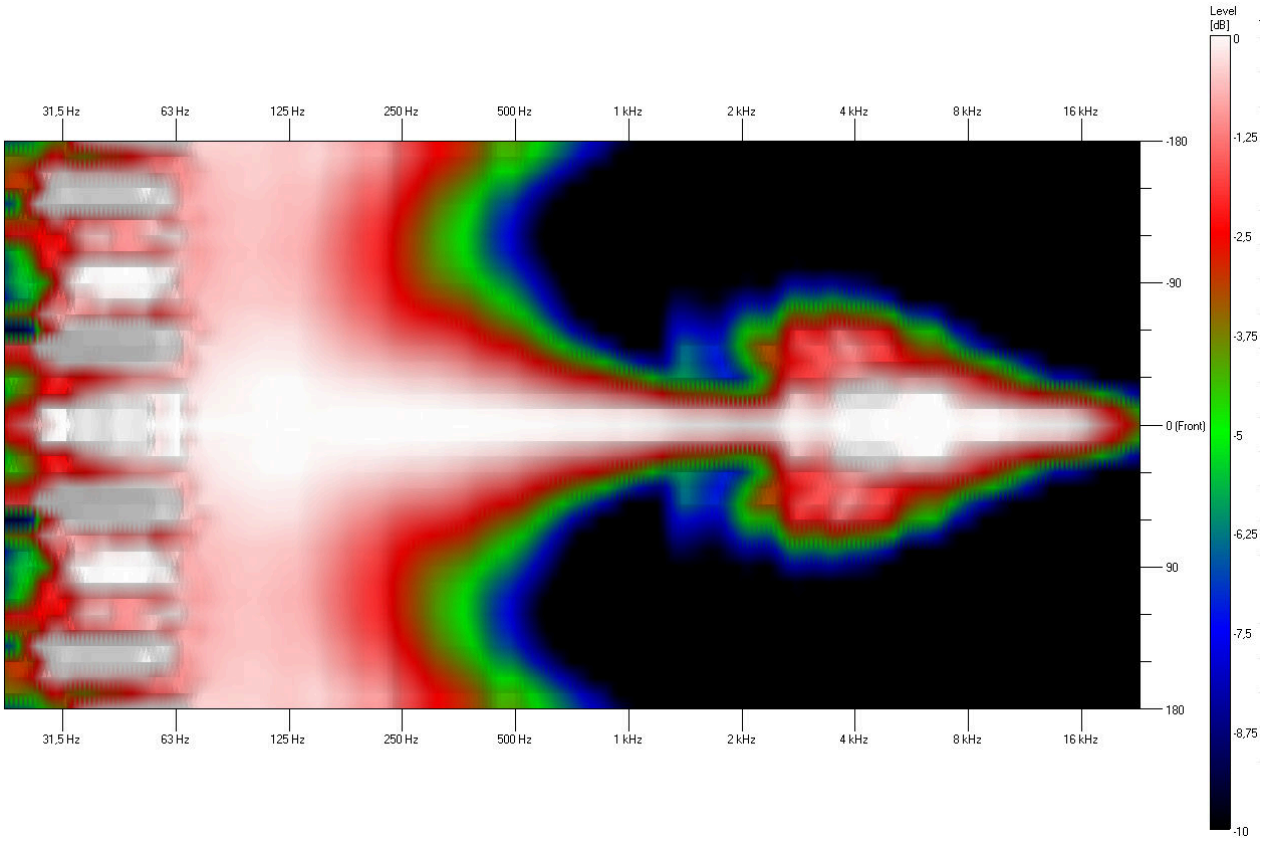


SPL Max

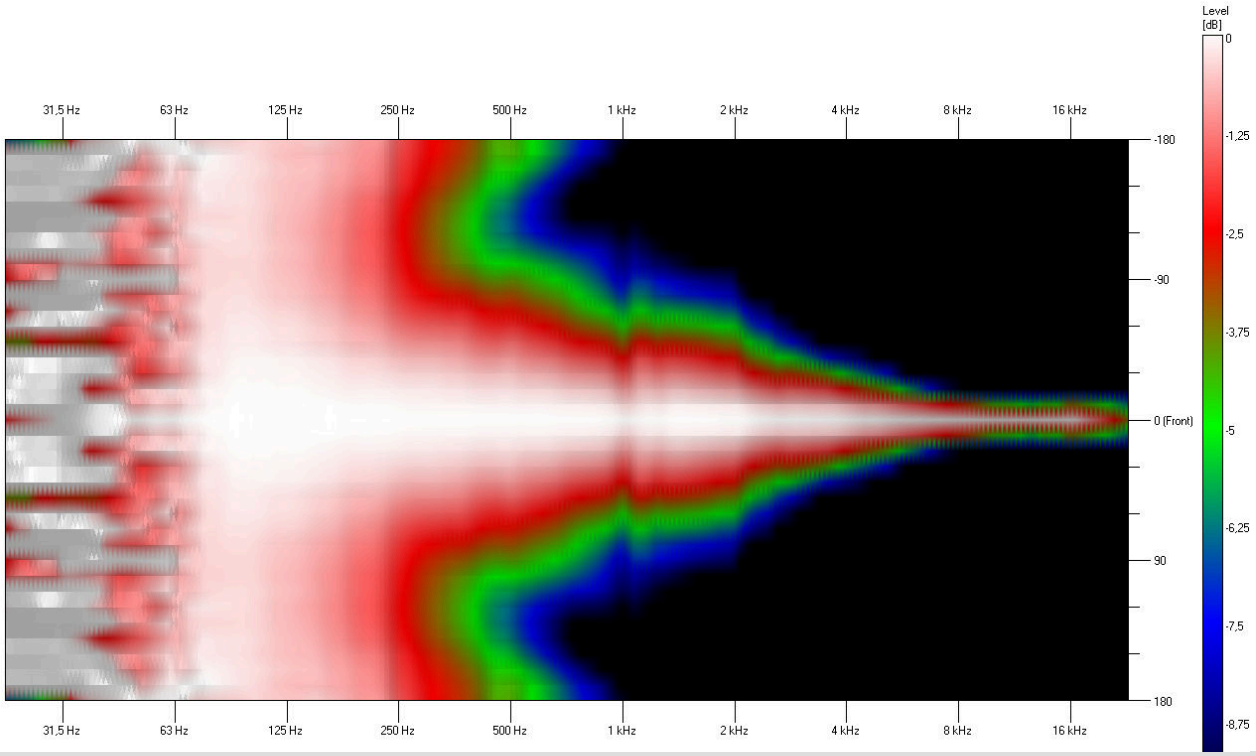


Isobar

Horizontal

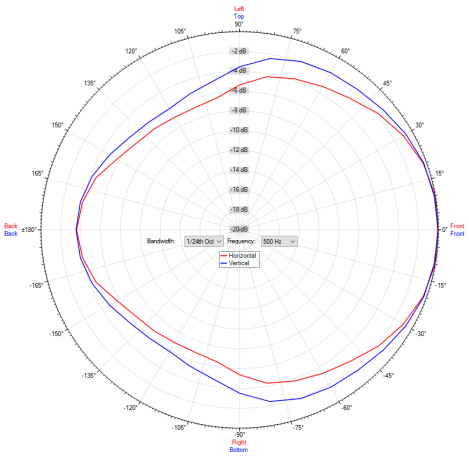


Vertical

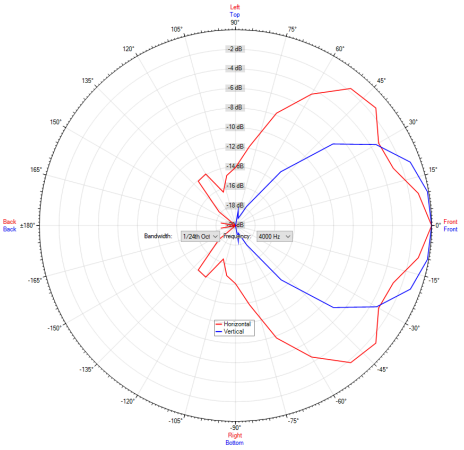


Polar Diagram

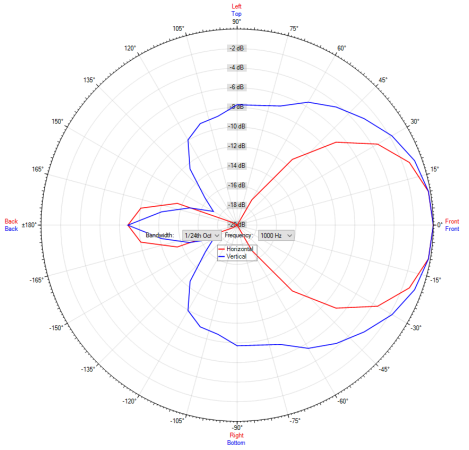
Polar Diagram 500Hz



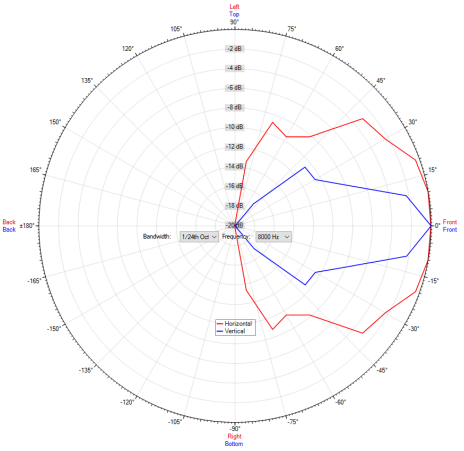
Polar Diagram 4000Hz



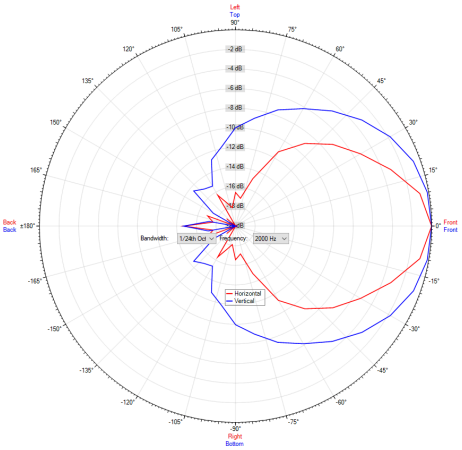
Polar Diagram 1000Hz



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: 20238339
Packing Unit: 1