



DL-S 10-130/T plus-EN54

- 2-way system
- thermal fuse
- magnetic fastening of grille

EN54

CE 15

EN 54-24:2008
Ref. Nr.: 018-15
ID-Code: SAA-LS18
1438-CPR-0431

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

CE-Symbol gemäß Richtlinie 93/68EWG

2-Way-Ceiling speaker with fire dome for voice alarm applications certified EN 54-24, suitable for voice announcements and background music with excellent sound quality in buildings. The 10W powered speaker is equipped with a 130mm 2-way system with a high-quality tweeter and a 100V transformer with 4 power adjustments. Low-impedance operation is also possible. The impact-resistant plastic housing in RAL 9016 guarantees long-term stability. A thermal fuse provides additional safety.

Thanks to an innovative magnetic fastening, the finely perforated speaker grille can quickly be removed or replaced by a grille with a different colour, even after the installation.

Protection class IP 21C secures the speaker against the impact of environmental influences. The speaker chassis is impregnated against dampness. Easy installation via the screw mounting system.

Product	DL-S 10-130/T plus-EN54
Artikel Nr.	20142904

Acoustics

Power	10/5/2.5 (8) W
Impedance (100V)	1000/2000/4000 ohm
Speaker ø	130 mm
Frequency Range	104 - 22.700 Hz
Frequency Response	111 - 21.600 Hz
SPL 1W/1m, peak	92,1 dB
SPL 1W/4m, peak	80,1 dB
SPL Pmax/4m, peak	90,1 dB
SPL IEC268-5, 1W/1m	87,0 dB
Sensitivity EN54-24, 1W/1m	87,8 dB
Sensitivity EN54-24, 1W/4m	75,8 dB
Dispersion -6dB, 500Hz	h/v 180°
Dispersion -6dB, 1KHz	h/v 180°
Dispersion -6dB, 2KHz	h/v 110°
Dispersion -6dB, 4KHz	h/v 72°

Connections and Housing

Connector	5-pin screw terminal
Terminal Diameter	2,5 mm
Maximum Cable Passage	4,9 mm²
Max. cable cross section loop	2x4,9 mm²
Temperature Range	-10 / +55 °C
Type A/B	A
Dimensions	216,5 x 141 mm
Ceiling Cut-out	186 mm
Weight (net)	1,70 kg
Housing	ABS
Colour	RAL 9016
Mounting	Screw system
IP Rating	IP21

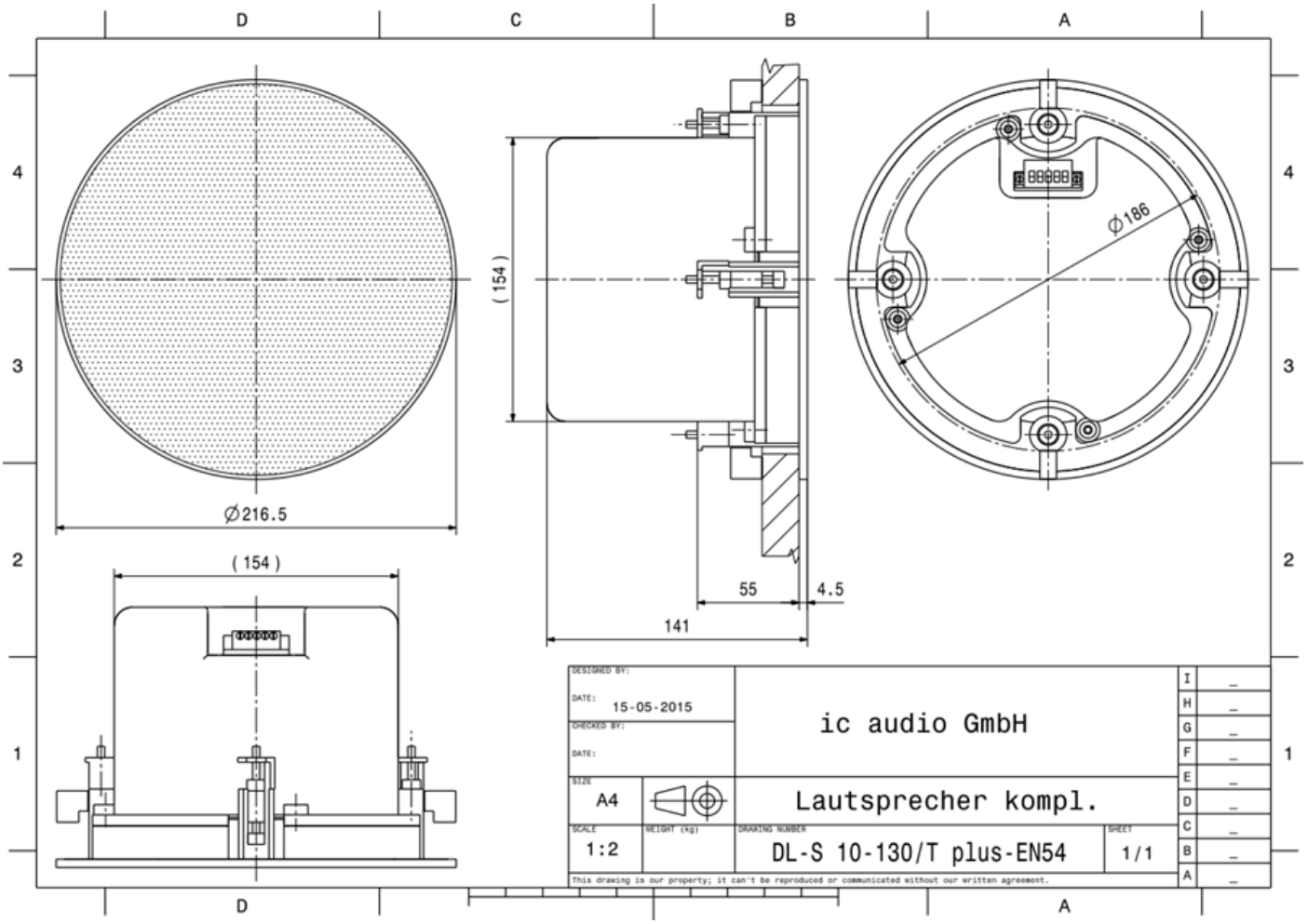
Certification

Ref. Nr.	018-15
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Certificate Number	1438-CPR-0431

Product Attributes

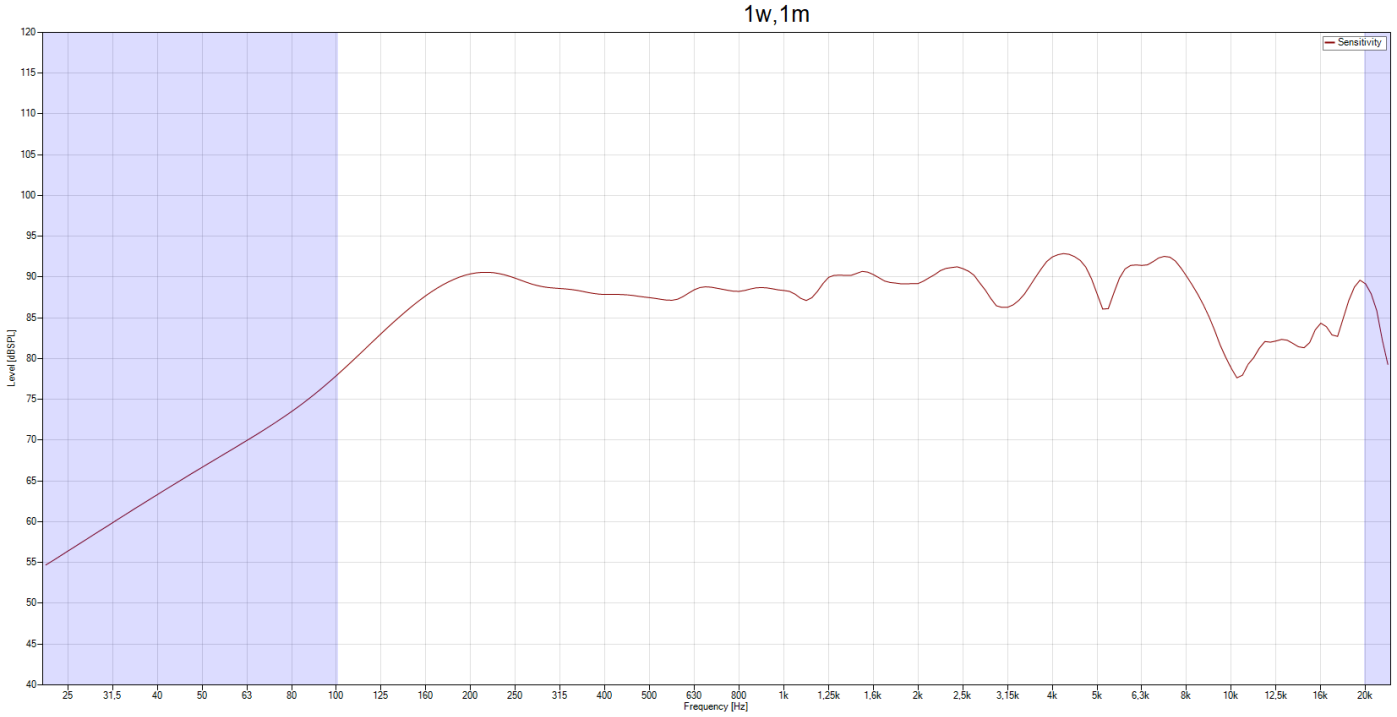


Technical Drawing

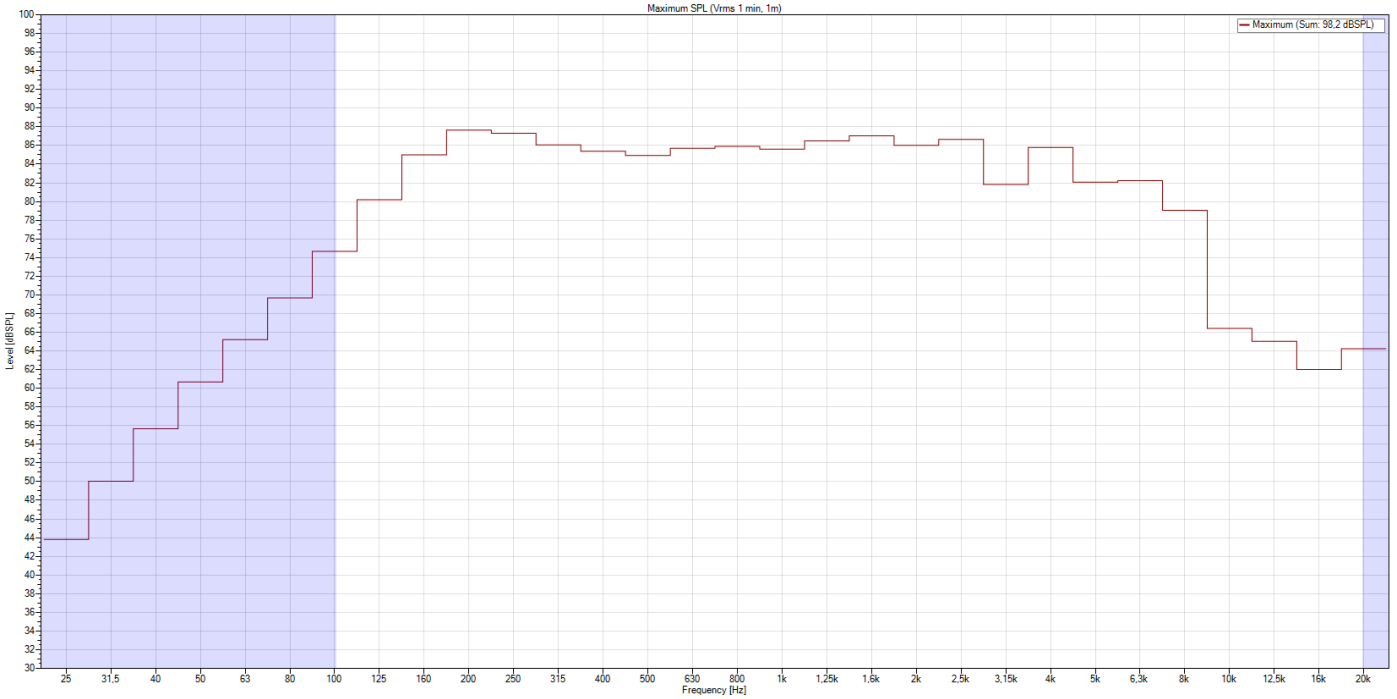


Frequency Response Diagram

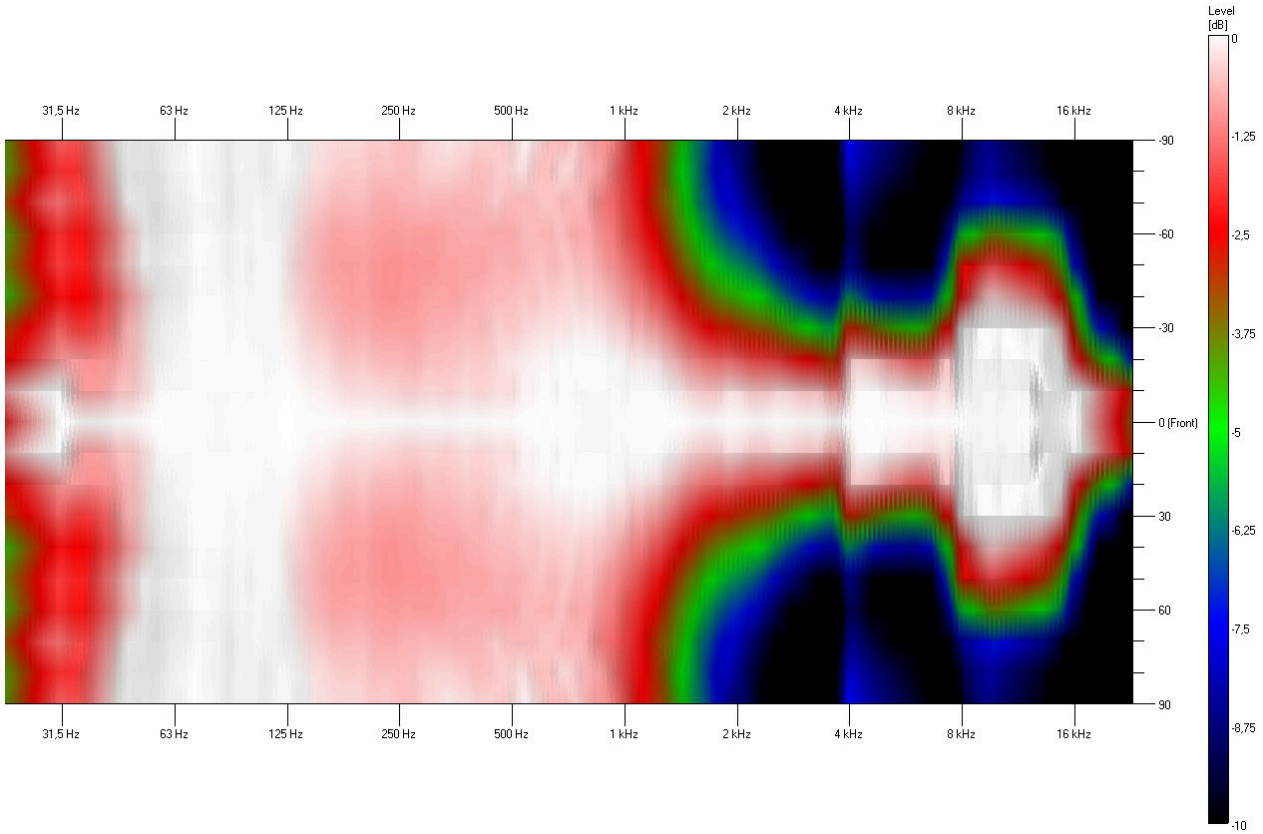
Sensitivity



SPL Max

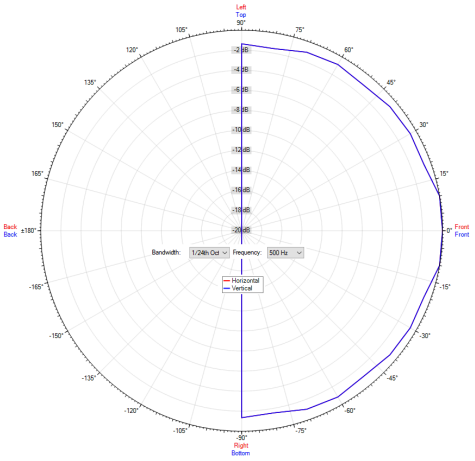


Isobar

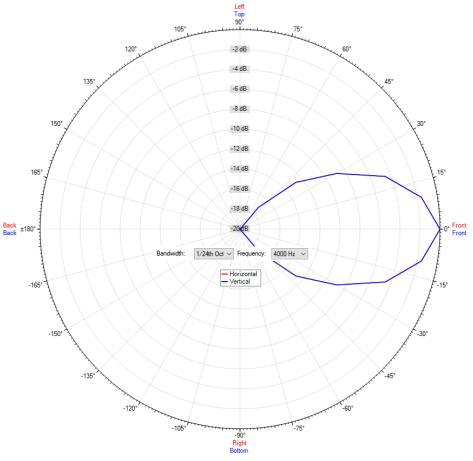

31,5 Hz
63 Hz
125 Hz
250 Hz
500 Hz
1 kHz
2 kHz
4 kHz
8 kHz
16 kHz
-90
-60
-30
0 (Front)
30
60
90
Level [dB]
0
-1,25
-2,5
-3,75
-5
-6,25
-7,5
-8,75
-10

Polar Diagram

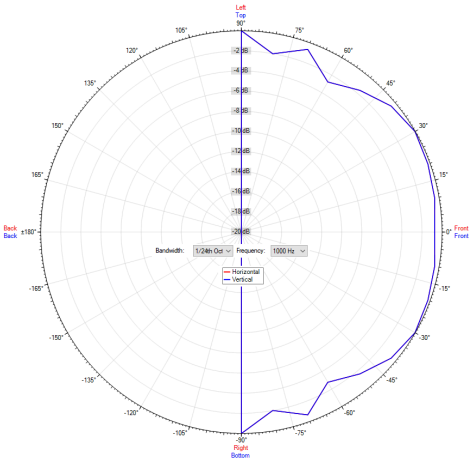
Polar Diagram 500Hz



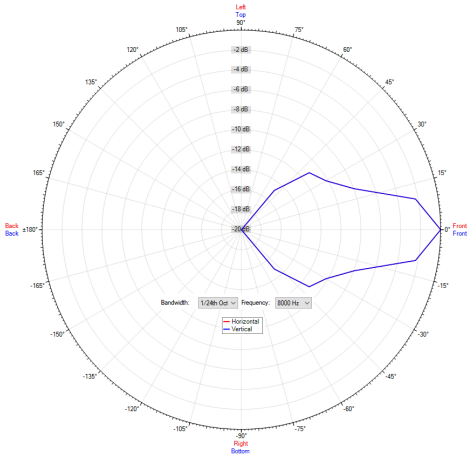
Polar Diagram 4000Hz



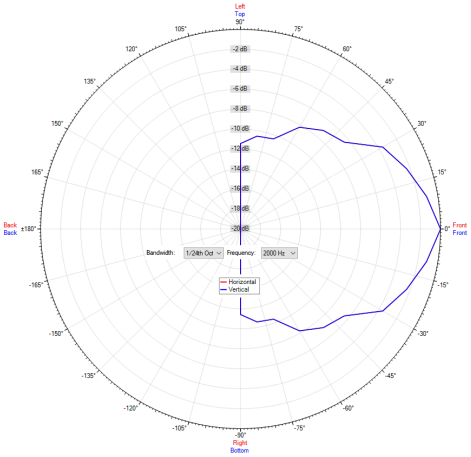
Polar Diagram 1000Hz



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.

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Packing Unit: 8