



DL-SE 06-165/T-EN54 safe STR

- frameless design
- strobe light
- suitable also for very thin ceilings

EN54

CE

EN 54-24:2008
:
:

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68307 Mannheim, Germany

CE-Symbol gemäß Richtlinie 93/68EWG

The DL-SE 06-165/T-EN54 safe STR combines EN 54-24 certified voice alarm functionality with integrated visual alert signalling via a powerful LED strobe. This makes the ceiling speaker an exceptionally effective solution for delivering both acoustic and visual alarms while blending seamlessly into a wide range of architectural environments.

The 6-watt ceiling speaker with its 165 mm full-range loudspeaker ensures clear voice reproduction and reliable alarm performance. A built-in 100 V transformer with three power taps provides flexibility for various installation and system requirements.
The ultra–cold white 3 W LED delivers extremely bright, highly visible strobe signalling with a colour temperature of 20,000 K and a light output of up to 200 lumens. Its wide 140° beam angle ensures uniform and easily perceptible illumination, even under challenging conditions. The strobe LED operates at a supply voltage of 24 V DC.

The powder-coated metal housing in RAL 9016 and IP21C protection ensures long-term durability and safety. A 2-pin ceramic terminal block, thermal fuse, and moisture impregnation of the speaker provide additional operational reliability.

This speaker is suitable for a ceiling strength of about 1-45 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-SE 06-165/T-EN54 safe STR
Artikel Nr.	20258667

Acoustics

Power	6/3/1,5 W
Impedance (100V)	1667/3333/6667 ohm
Speaker ø	165 mm
Frequency Range	63 ~ 16000 Hz
Frequency Response	56 ~ 18000 Hz
SPL 1W/1m, peak	97,0 dB
SPL 1W/4m, peak	92,7 dB
SPL IEC268-5, 1W/1m	92,0 dB
Sensitivity EN54-24, 1W/1m	92,0 dB
Sensitivity EN54-24, 1W/4m	80,0 dB
Dispersion -6dB, 500Hz	180° h/v
Dispersion -6dB, 1KHz	175° h/v
Dispersion -6dB, 2KHz	150° h/v
Dispersion -6dB, 4KHz	90° h/v

Connections and Housing

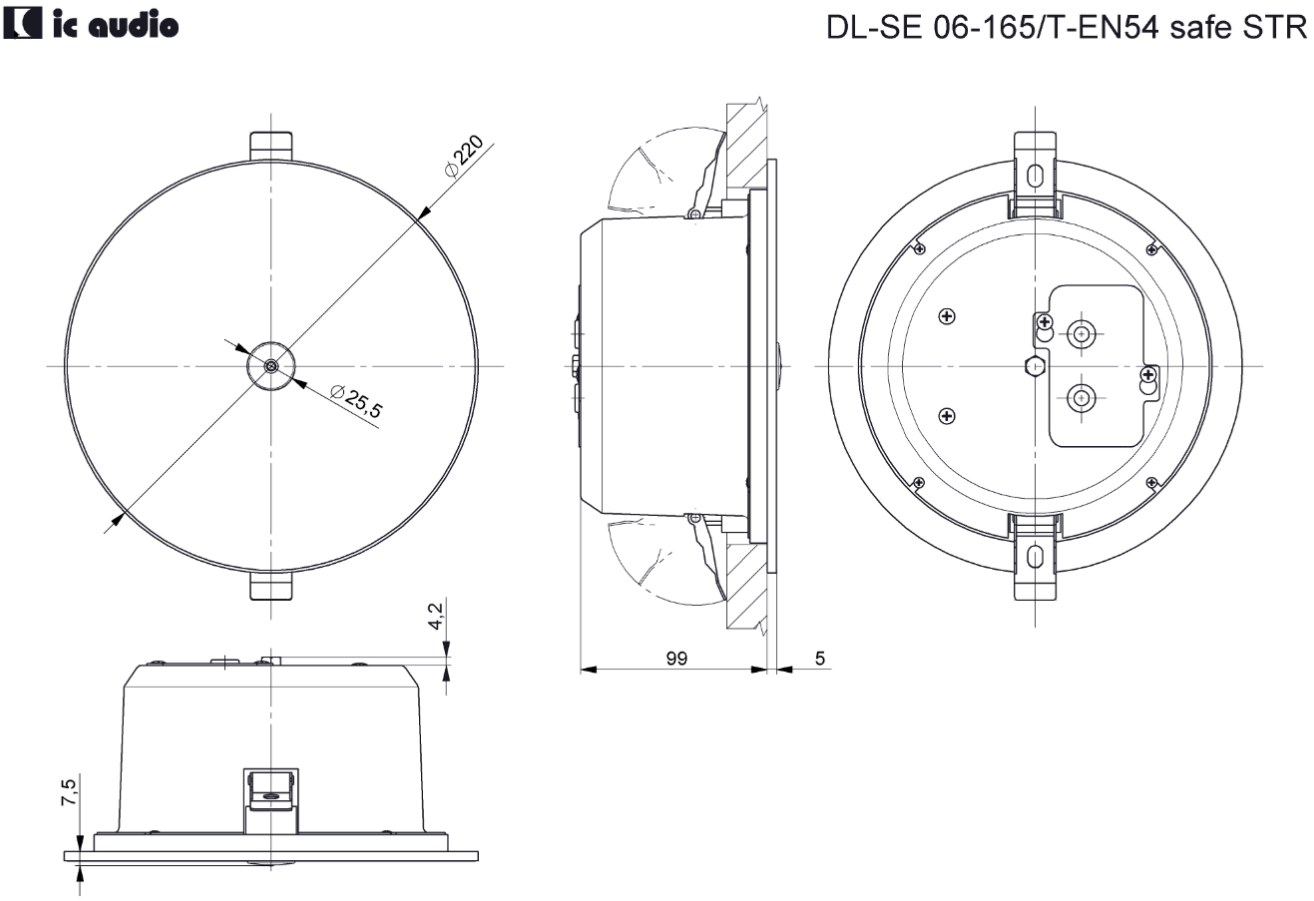
Connector	4-pin ceramic block
Maximum Cable Passage	8 mm²
Temperature Range	-10 / +55 °C
Type A/B	A
Dimensions	220x104 mm
Ceiling Cut-out	188 mm
Weight (net)	1,18 kg
Housing	metal
Colour	RAL 9016
Mounting	spring clamp
IP Rating	IP21

Certification

Product Attributes

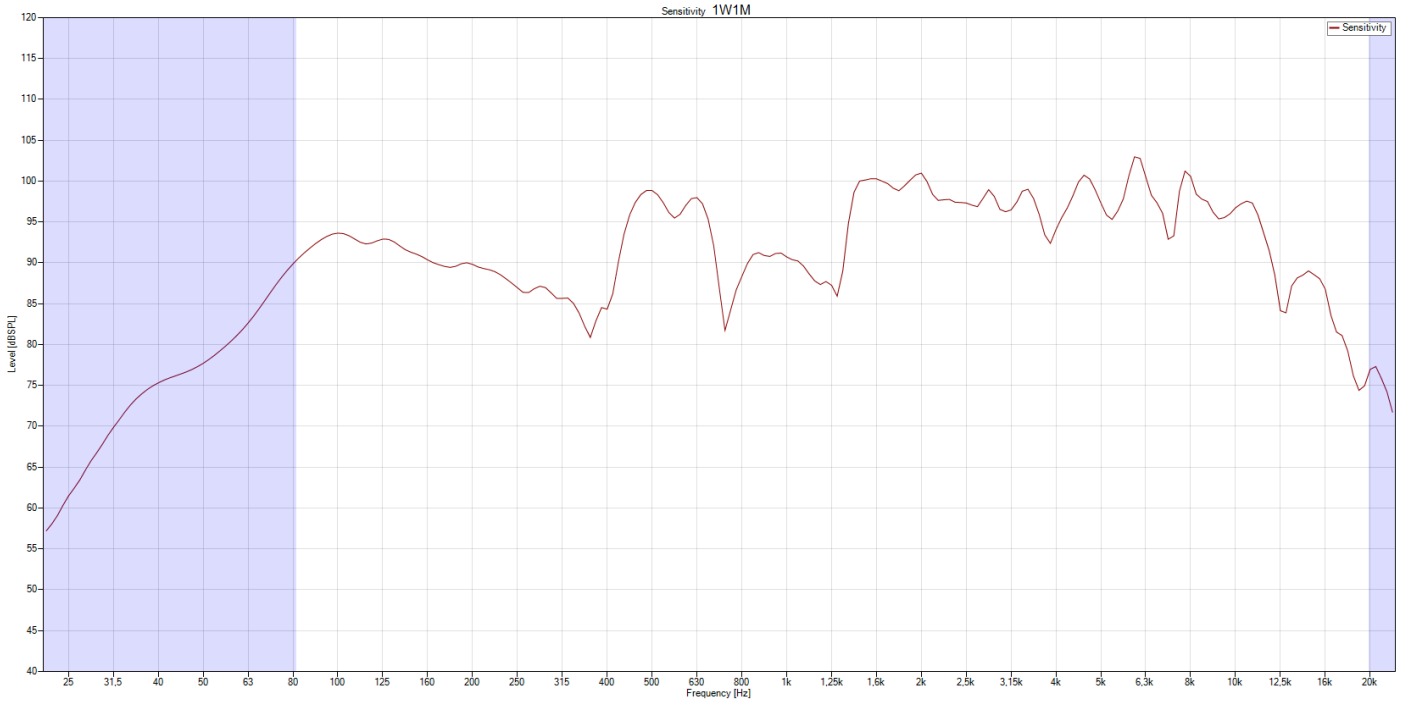


Technical Drawing

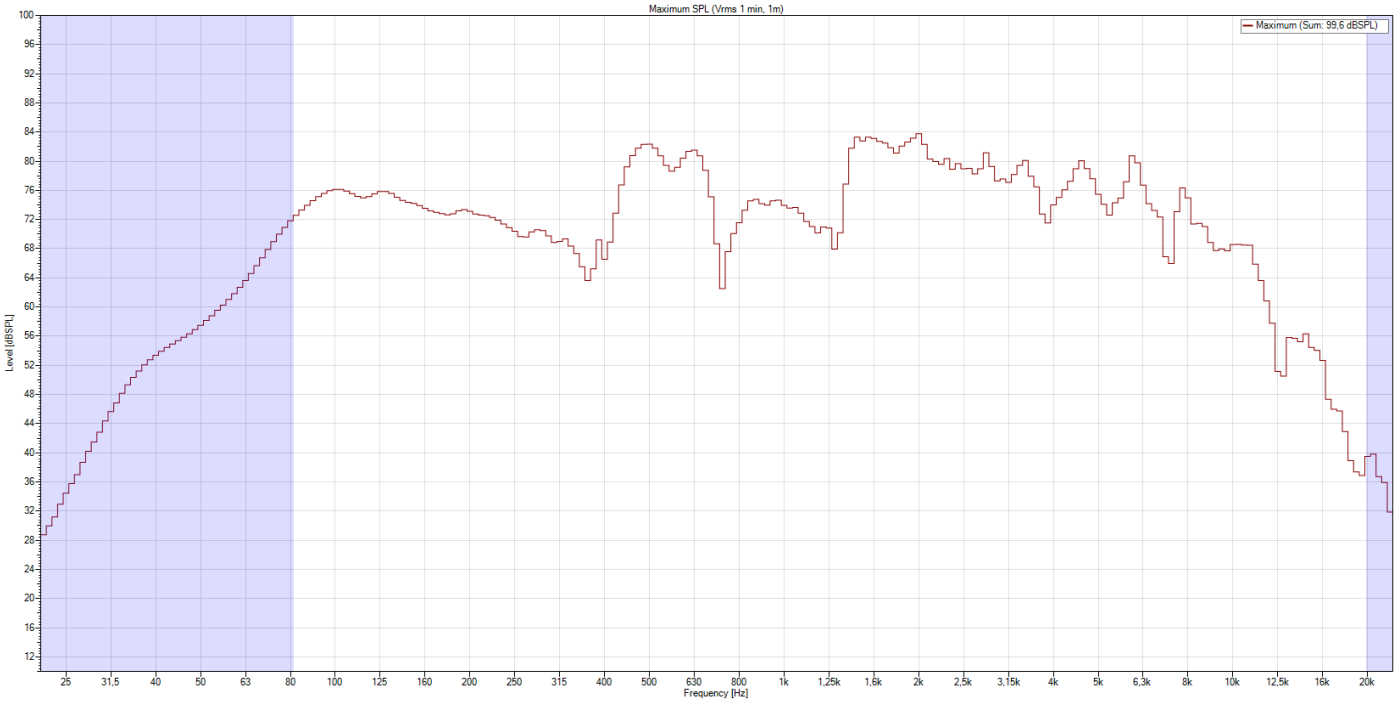


Frequency Response Diagram

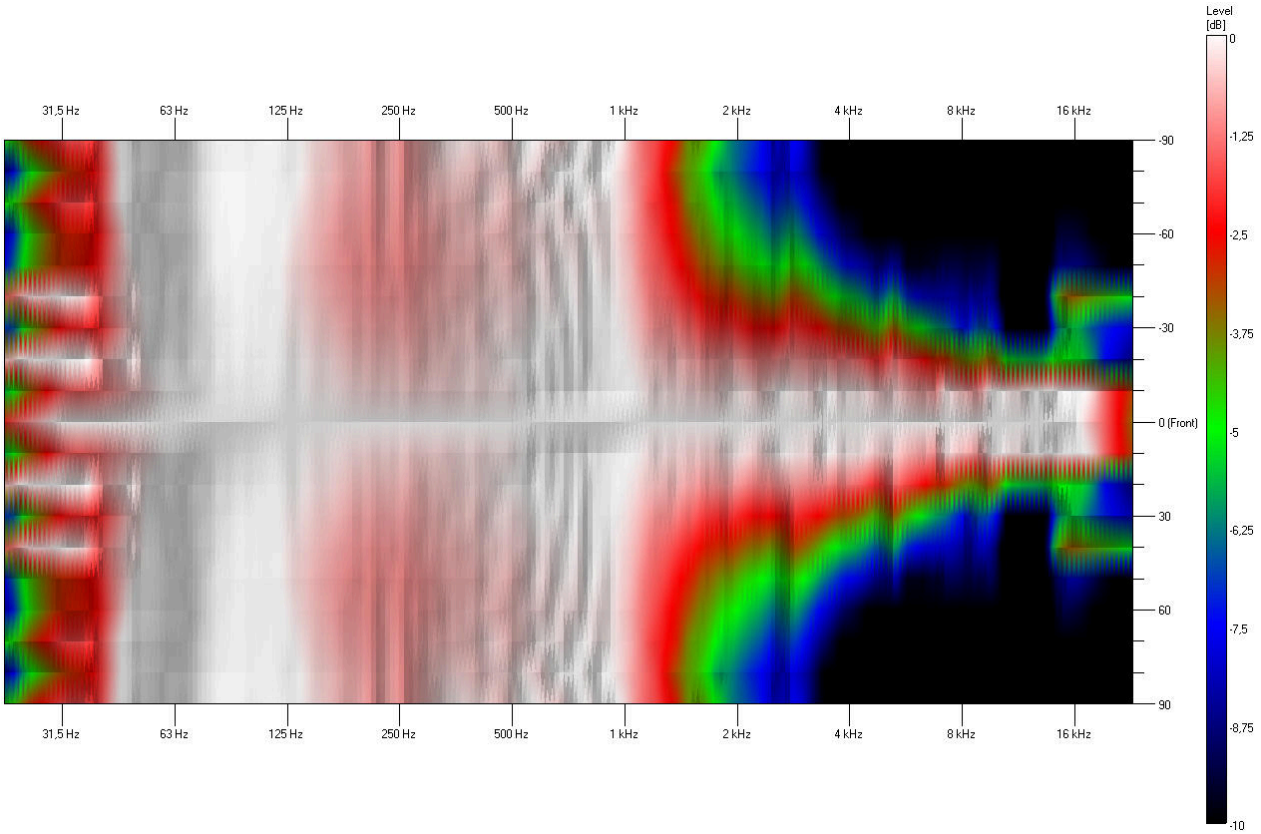
Sensitivity



SPL Max

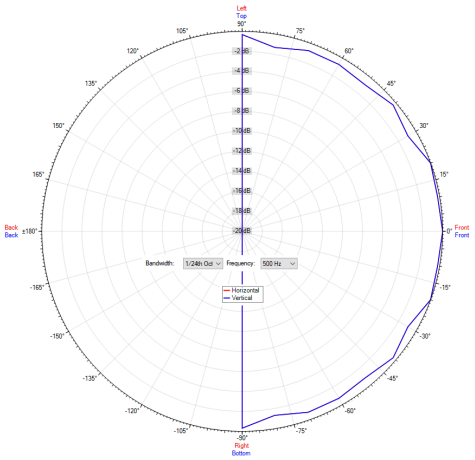


Isobar

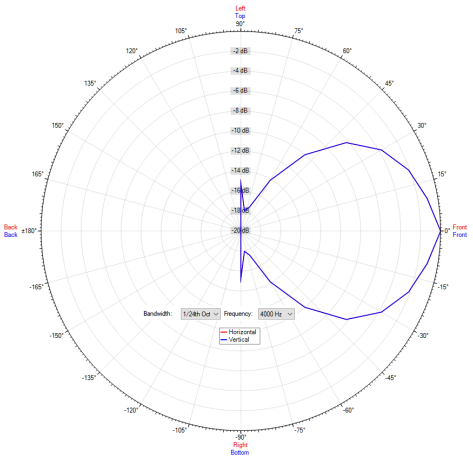

Level
[dB]
0
-1,25
-2,5
-3,75
-5
-6,25
-7,5
-8,75
-10
31,5 Hz
63 Hz
125 Hz
250 Hz
500 Hz
1 kHz
2 kHz
4 kHz
8 kHz
16 kHz
-90
-60
-30
0 (Front)
30
60
90

Polar Diagram

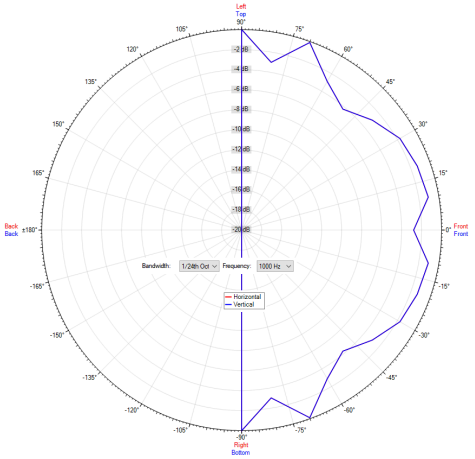
Polar Diagram 500Hz



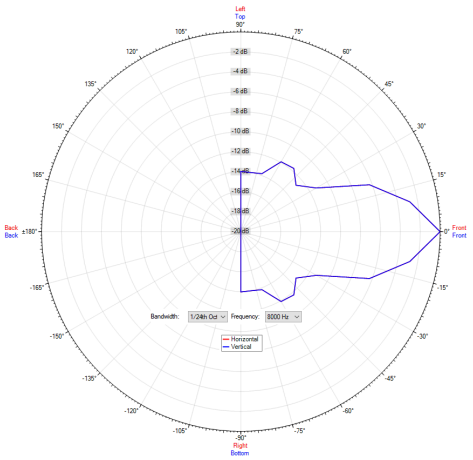
Polar Diagram 4000Hz



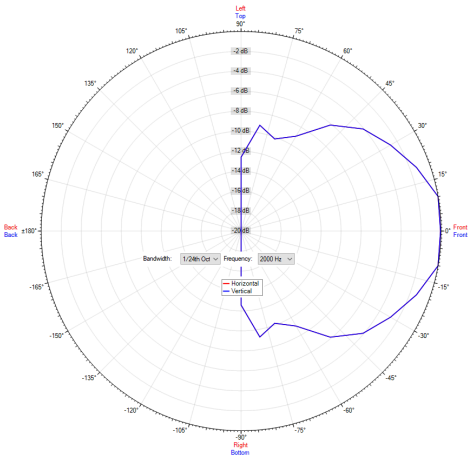
Polar Diagram 1000Hz



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.

Artikel Nr. : 20258667
Packing Unit: 8