



DL-S 60-165/T plus black-EN54

1. bass-reflex
2. shallow installation depth
3. magnetic grille

EN54

CE

EN 54-24:2008
:
:

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68307 Mannheim, Germany

CE-Symbol gemäß Richtlinie 93/68EWG

With a low-profile design, the DL-S voice alarm loudspeaker series, certified EN 54-24, blends seamlessly into any environment.

With a powerful 2-way bass-reflex system and an impressive 60W, the new DL-S 60 sets new standards for clear and powerful sound. The 165mm woofer of high-quality polypropylene and the precise 25mm tweeter guarantee excellent music reproduction.

The loudspeaker offers a wide dispersion behaviour, filling the room with exceptional sound. Connection options are convenient via the screw terminal with IN-OUT for loop connections, while power adjustments via a rotary switch enable individual sound customisation.

This speaker offers the flexibility of low-impedance operation, allowing it to be optimised for different requirements. The magnetic grille and screw mounting system simplify installation and ensure an elegant appearance.

The speaker's housing, made of high-quality ABS plastic, not only promises long-lasting performance but also blends aesthetically into any environment.

Product	DL-S 60-165/T plus black-EN54
Artikel Nr.	20258866

Acoustics

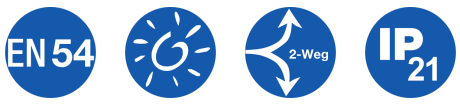
Power	60/30/15/7.5 (8) W
Impedance (100V)	167/333 /667/1333 ohm
Speaker ø	165 mm
Frequency Range	63 ~ 21.000
Frequency Response	70 ~ 20.500
SPL 1W/1m, peak	93,1 dB
SPL 1W/4m, peak	81,1 dB
SPL Pmax/4m, peak	98,8 dB
SPL IEC268-5, 1W/1m	91,3 dB
Sensitivity EN54-24, 1W/1m	89,6 dB
Sensitivity EN54-24, 1W/4m	77,6 dB
Dispersion -6dB, 500Hz	180° h/v
Dispersion -6dB, 1KHz	180° h/v
Dispersion -6dB, 2KHz	105°/96° h/v
Dispersion -6dB, 4KHz	57°/75° h/v

Connections and Housing

Connector	6-pin screw terminal
Maximum Cable Passage	4,9 mm²
Temperature Range	-10 / +55 C°
Type A/B	A
Dimensions	322x128 mm
Ceiling Cut-out	2,5 mm
Weight (net)	3,01 kg
Housing	ABS
Colour	RAL 9005
Mounting	screw system
IP Rating	IP21

Certification

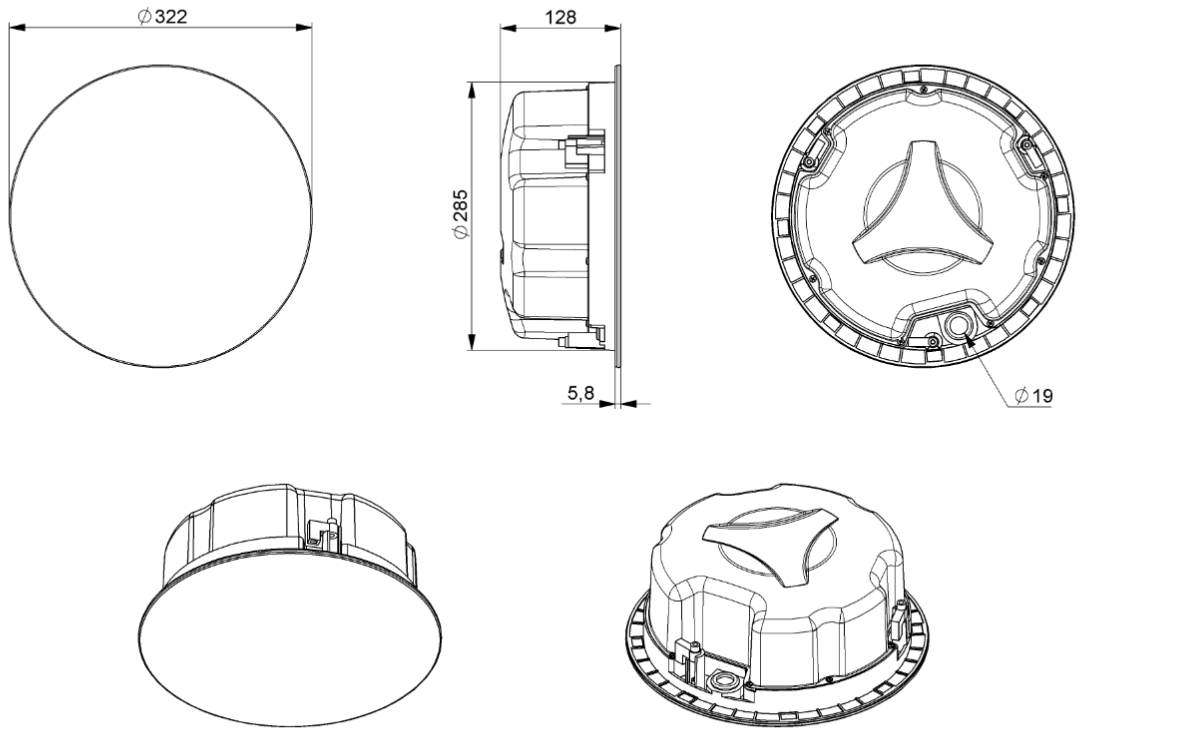
Product Attributes



Technical Drawing

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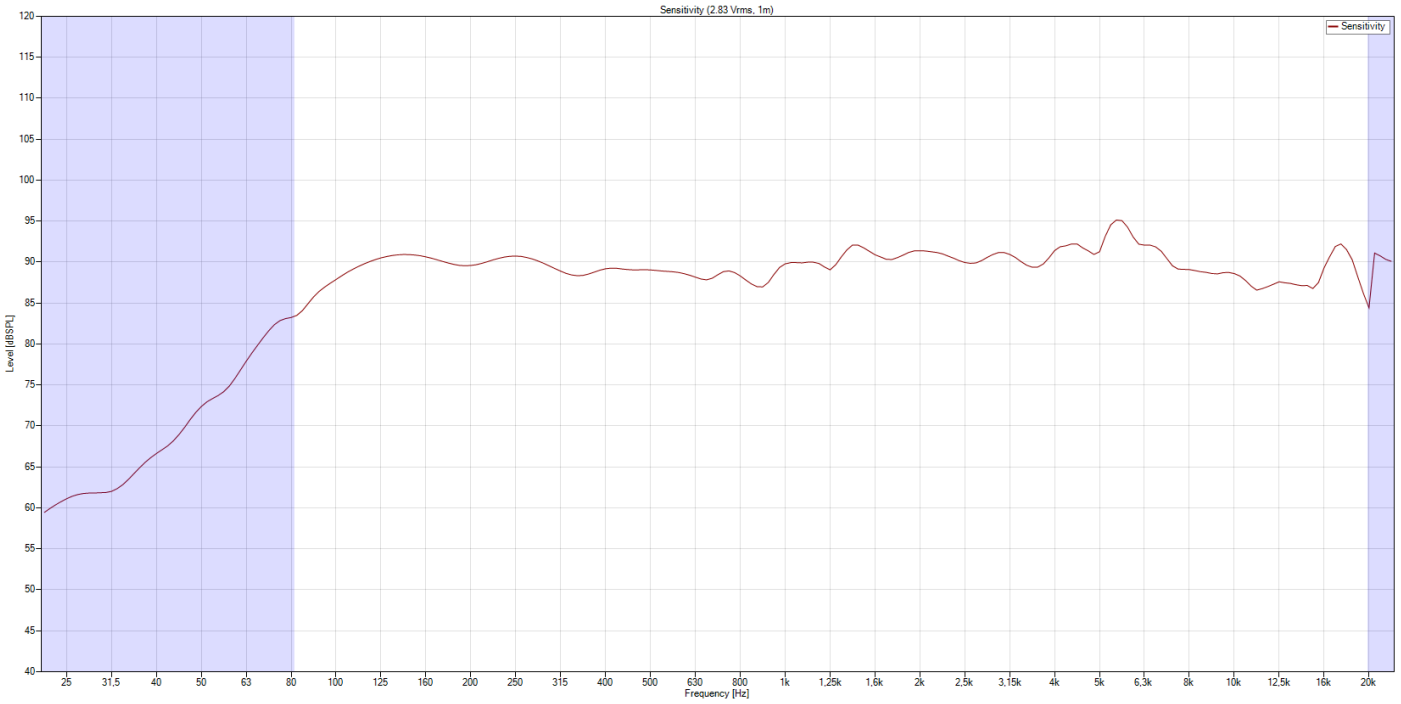
DL-S 60-165/T plus-EN54



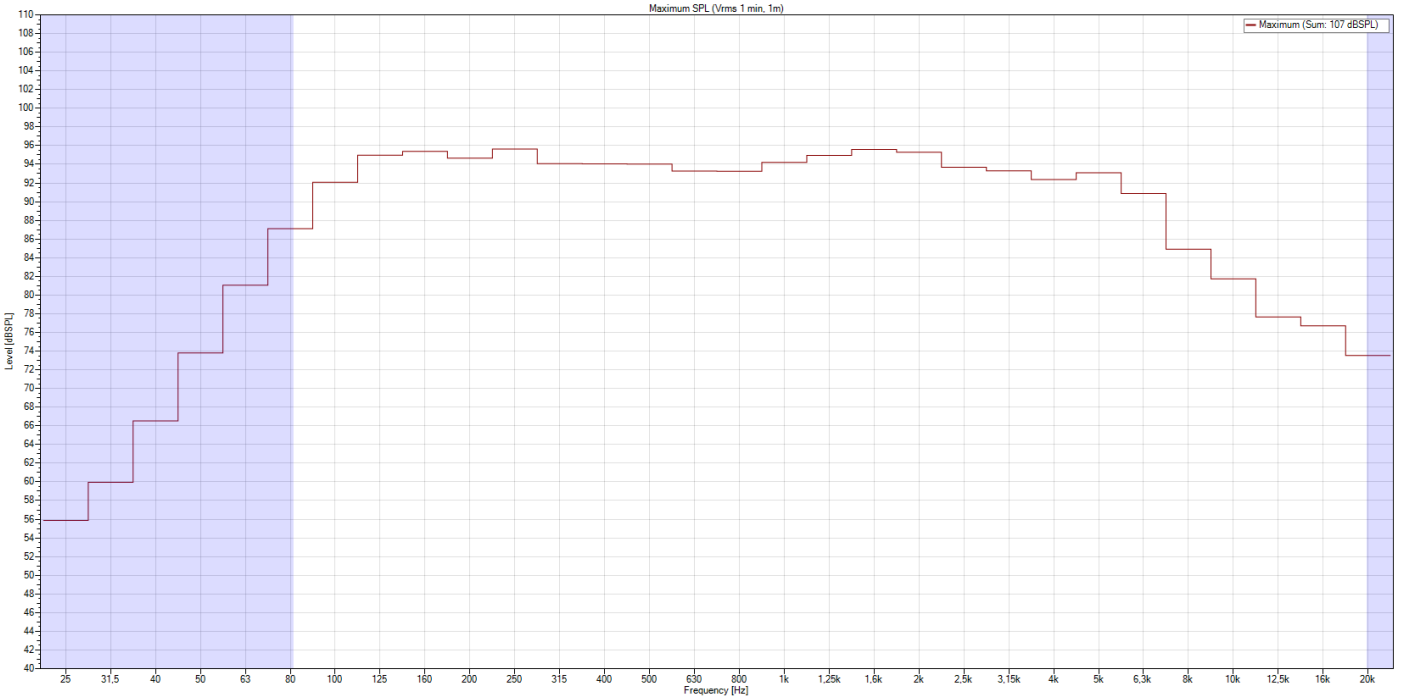
all dimensions are in mm

Frequency Response Diagram

Sensitivity

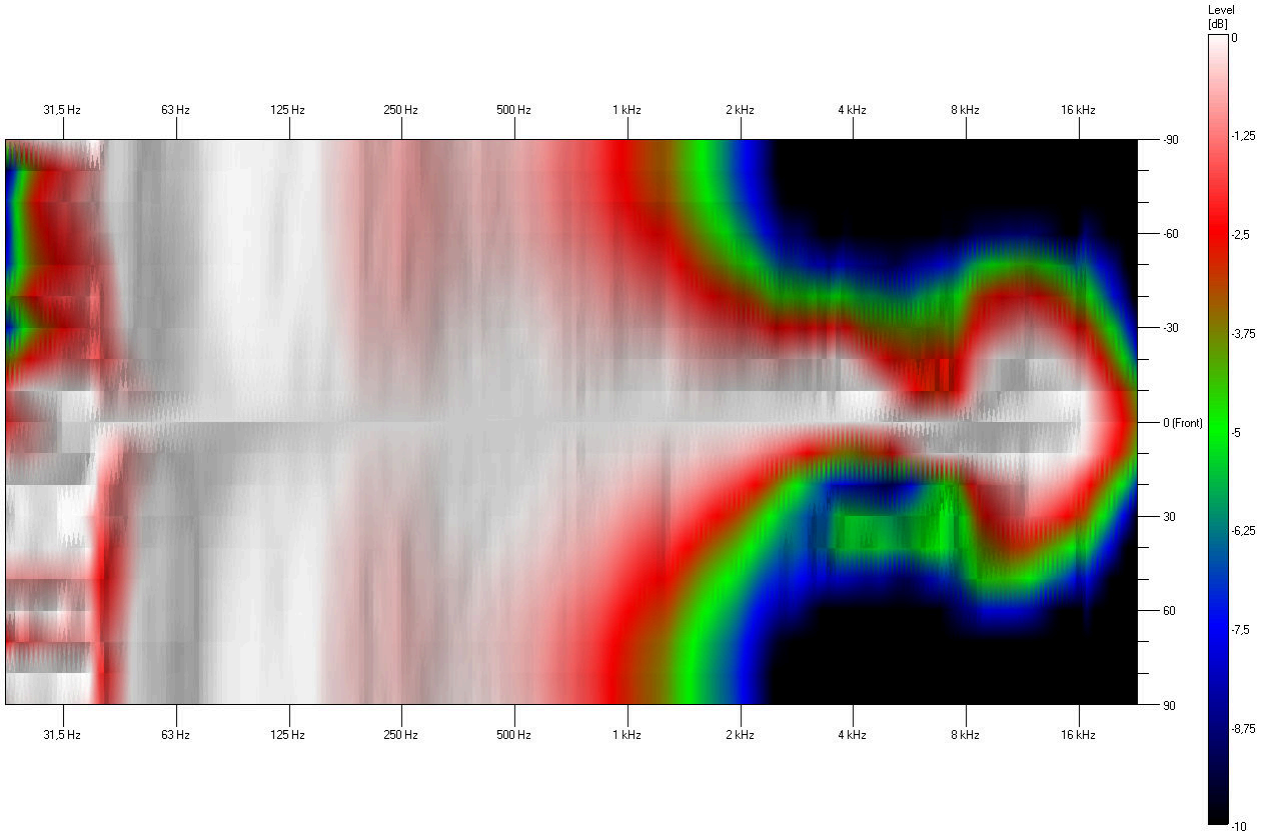


SPL Max

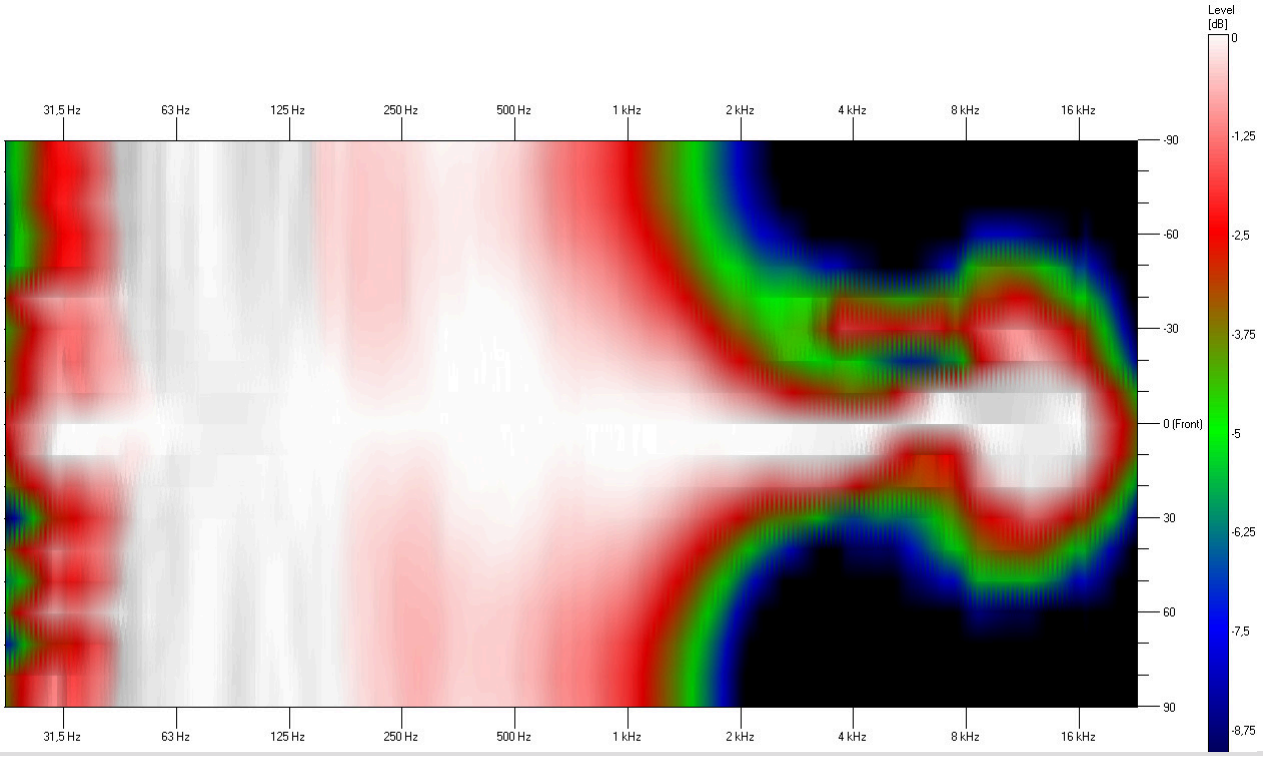


Isobar

Horizontal

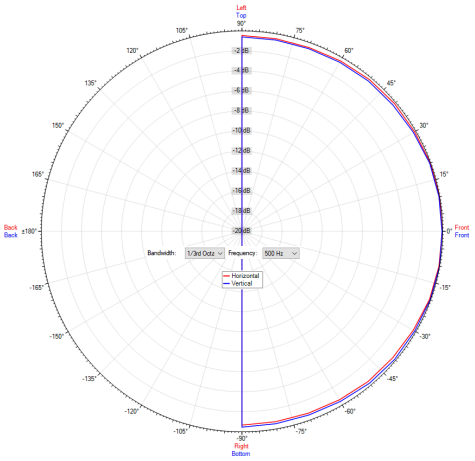


Vertical

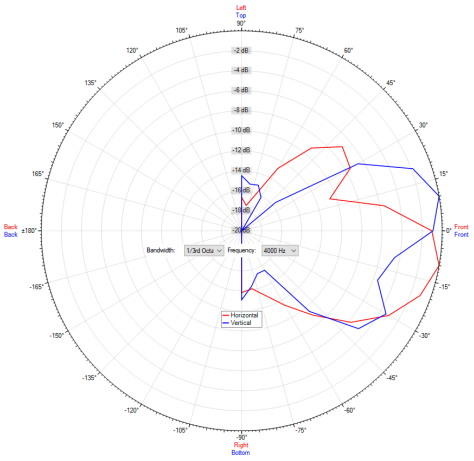


Polar Diagram

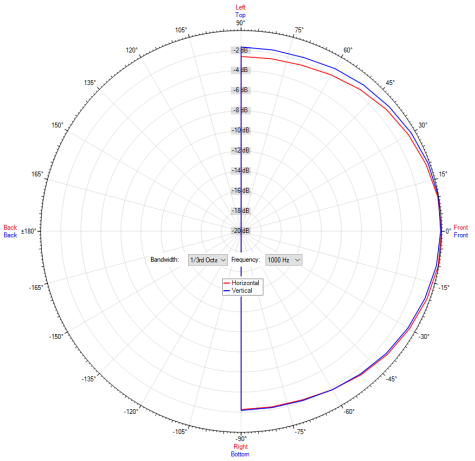
Polar Diagram 500Hz



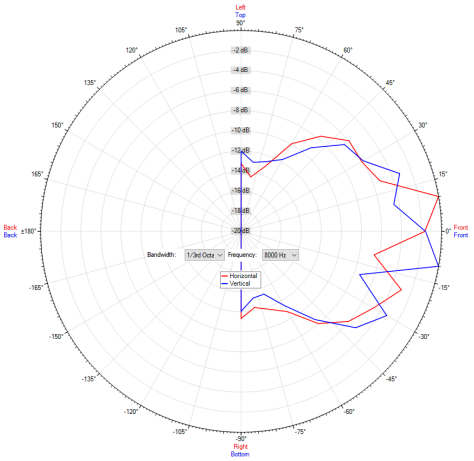
Polar Diagram 4000Hz



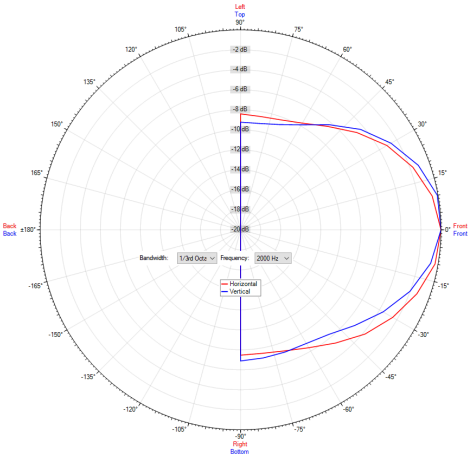
Polar Diagram 1000Hz



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.

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Packing Unit: 8