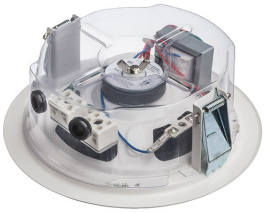

DL-E 10-165/T-EN54 safe

- high sound pressure level
- low mounting dept
- with firedome FE-series BS 5839 compliant

EN54

CE

EN 54-24:2008
Ref. Nr.: 006-13
ID-Code: SAA-LS06
1438-CPR-0347

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

CE-Symbol gemäß Richtlinie 93/68EWG

The 10W powered speaker is equipped with a 165mm full-range loudspeaker chassis and a 100V transformer with 3 power adjustments. The powder coated metal similar to RAL 9016 guarantees long-term stability. Thanks to an innovative air flow system, the DL-E provides sound characteristics which are attributed to a conventional bass refelex speaker. An extremely flat construction method allows a low mounting depth of only 76mm, with less than 1 kg product weight. For additional reliability, a 4 pin-ceramic block, a thermal fuse is provided and the speaker chassis is impregnated against wetness. The speaker is also secured with protection class IP 21C against the security risks of environmental influences.

Quick and easy mounting with spring clamps and short tension distance. Perfectly suitable for installations where the installation depth is very limited. In combination with the firedome FE-165-EN54 the speaker is compliant with the British Standard BS 5839, Part 8. Special paint of the speaker in 4-digit RAL- or NCS-colour available at extra cost. The innovative PET-plastic contact protection is included in the delivery and protected by an European patent (publication no. **2768238**).

This speaker is suitable for a ceiling strength of about 3 – 45 mm. Our specification is primarily related to solid ceilings, for ceilings with soft materials a higher ceiling thicknesses could be necessary. In addition, stronger cables and other fittings may also result in changes of the appropriate setup. With regard to the variety of materials and manufacturers, we recommend to build in a sample of the speaker to match the requirements accurately.

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Technical Data (Electrical)

Description	DL-E 10-165/T-EN54 safe
Power	10/5/2,5 W
Impedance (100V)	1000/2000/4000 ohm
Frequency Range	232 - 11.900 Hz
Frequency Response	71 - 23.500 Hz
SPL IEC268-5 , 1W/1m	87,0 dB
SPL EN54-24, Pmax/4m	85,0 dB
Sensitivity EN54-24, 1W/4m	75,3 dB
Sensitivity EN54-24, 1W/1m	87,3 dB
Dispersion -6dB, 500Hz	V 180° H 180°
Dispersion -6dB, 1KHz	V 180° H 180°
Dispersion -6dB, 2KHz	V 145° H 145°
Dispersion -6dB, 4KHz	V 72° H 72°

Please note: Because of many different types of ceiling materials and ceiling strengths we recommend to build in a sample of the speaker to match the requirements accurately.

Technical Data (Mechanical)

Dimensions	199 x 73 mm
IP Rating	IP21
Weight (net)	0,72 kg
Ceiling Cut-out	166 mm
Temperature range	-10 / +55 °C
Mounting	spring clamp
Connector	4-pin ceramic block
Colour	RAL 9016

Product Attributes

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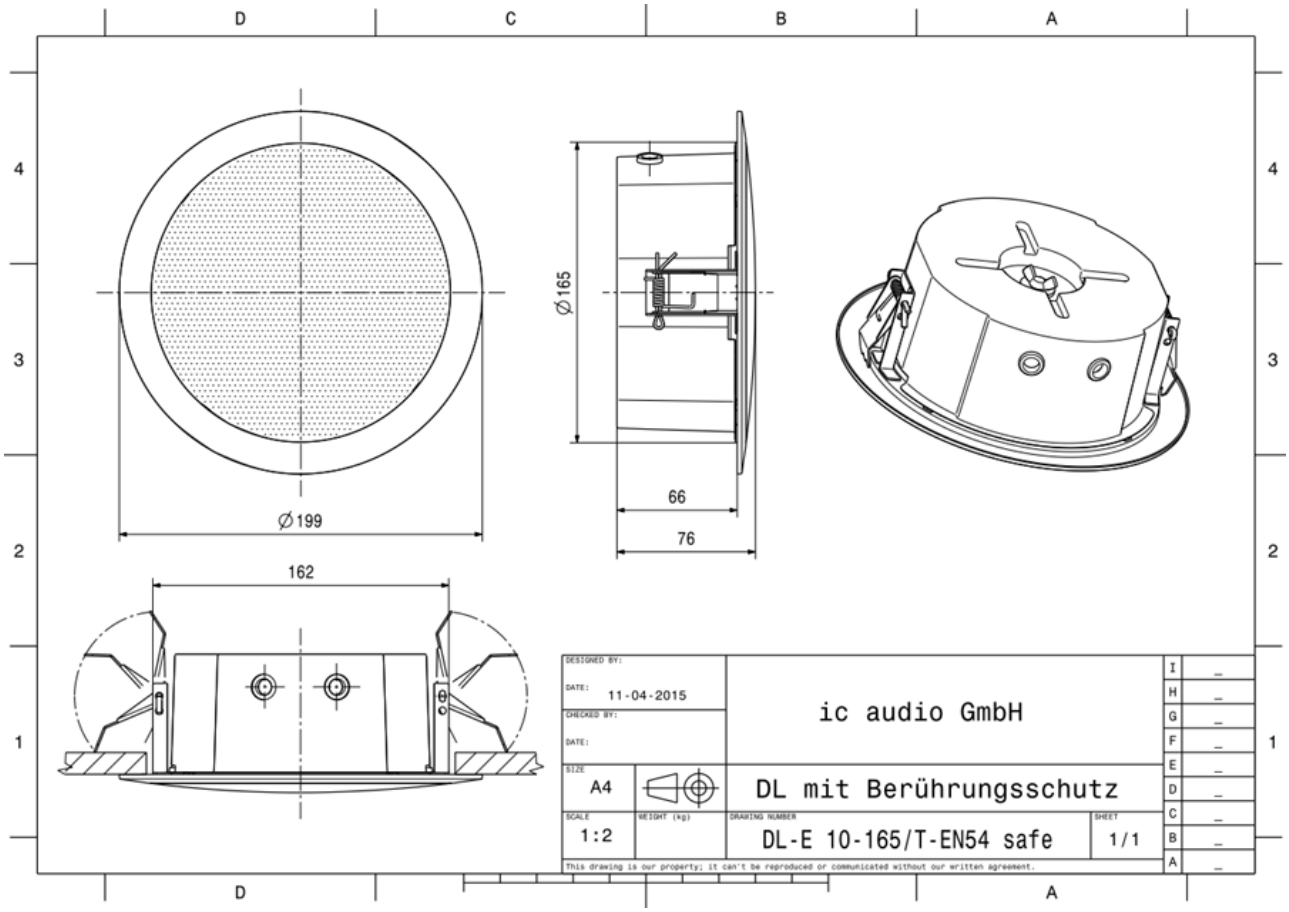
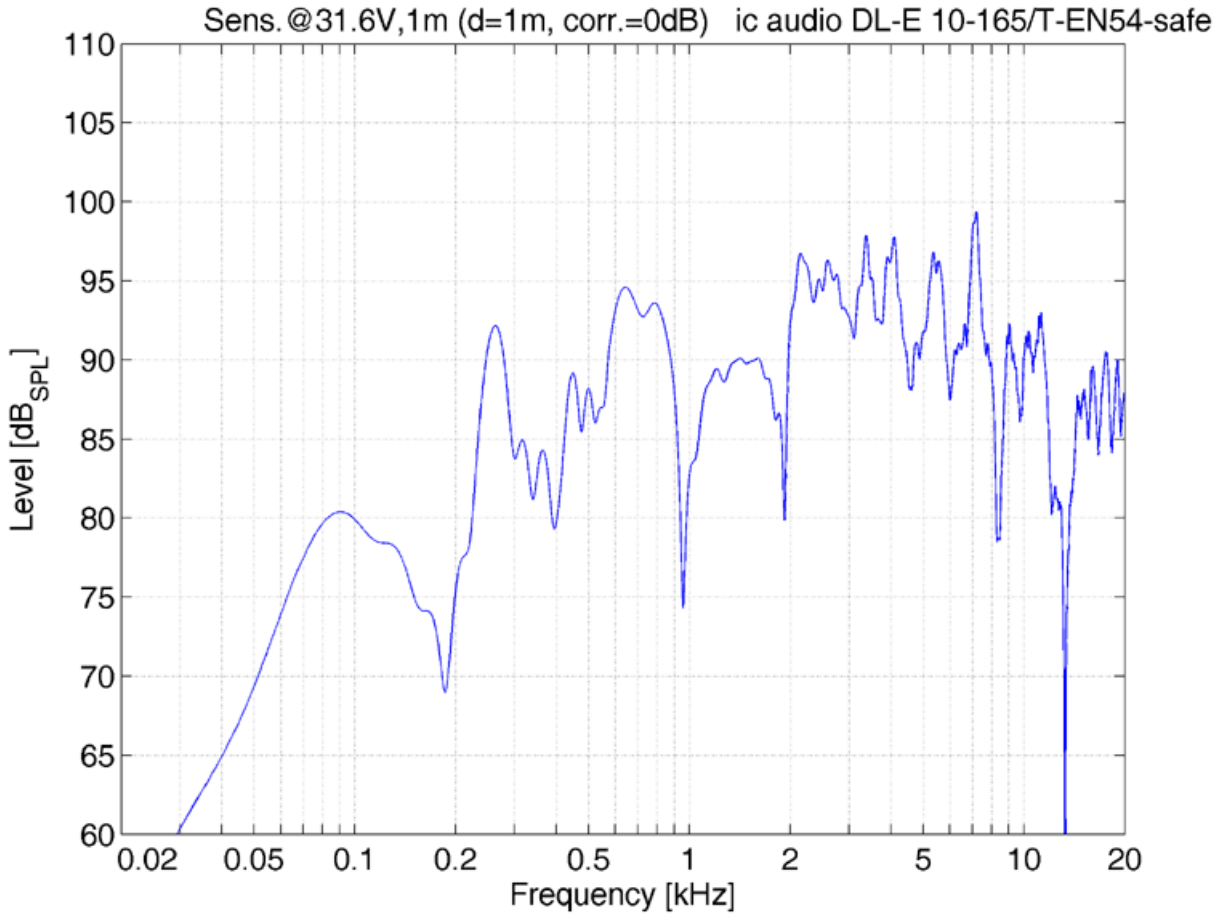
Technical Diagrams



Frequency Response Diagrams



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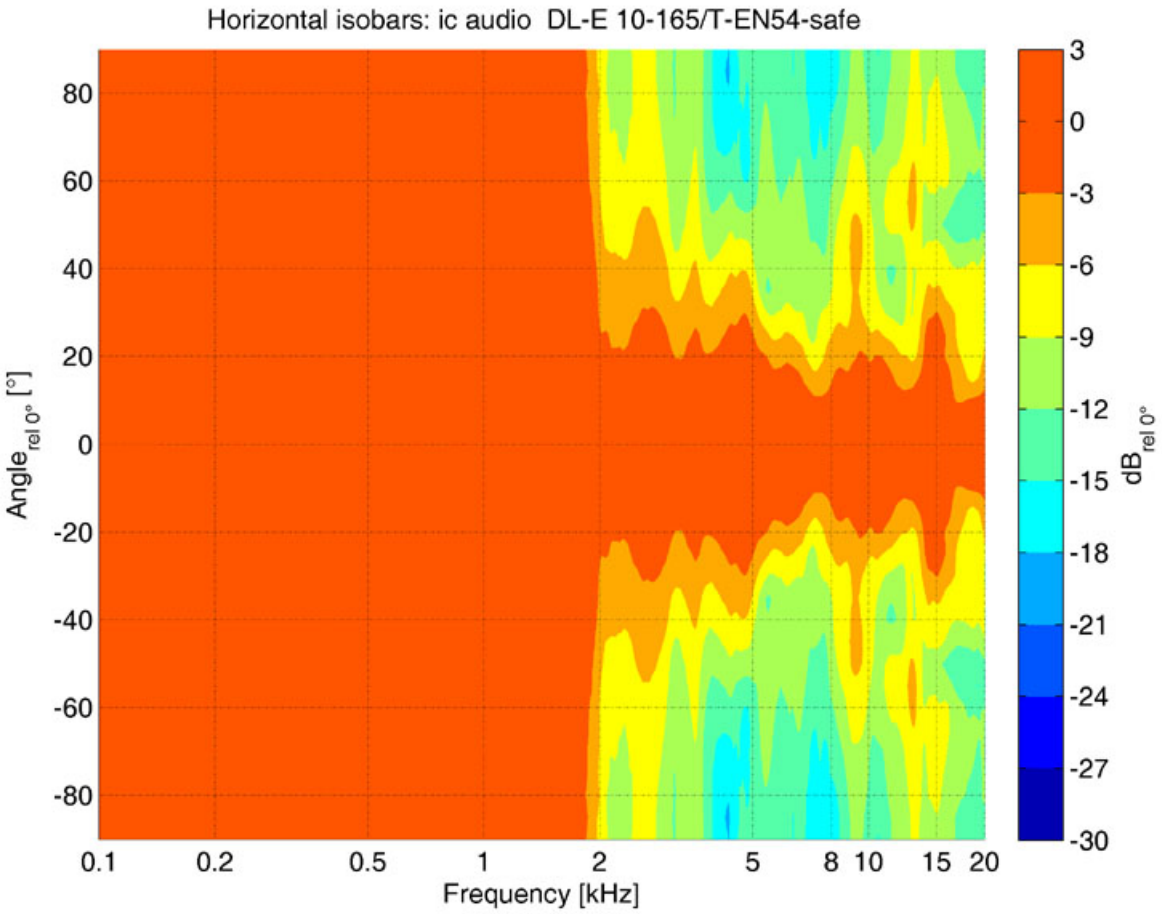
Polar Diagrams



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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 Nr.: 20142907

Packing Unit: 12

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Status: 2022-11-07