

DL 06-165/T-EN54 STR

- quick mounting
- shock-resistant housing
- LED strobe flashlight

EN54

CE 17

EN 54-24:2008
Ref. Nr.: 010-14
ID-Code: SAA-LS01
1438-CPR-1119

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

CE-Symbol gemäß Richtlinie 93/68EWG

Please note: Discontinued product! The successor model is DL-SE 06-165/T-EN54 safe STR.

The 6W powered speaker is equipped with a 165mm full-range loudspeaker chassis and a 100V transformer with 3 power adjustments. In addition, the loudspeaker has a LED strobe flashlight that, in a new version with 14 candela, delivers almost 3 times brightness. This very high-performance white LED provides 1.400 lux at a distance of 100 mm and a flashing frequency of 75 flashes per minute. With 18 lumens of light and a wide beam angle (75°), the strobe flashlight provides bright and uniform area illumination. Operating voltage of the flashing light: 24 VDC, current consumption max.: 9 mA.

The powder-coated metal version with a perforated grid cover in RAL 9010 guarantees lasting stability. A 2-pin ceramic block and a thermal fuse provide additional reliability. The speaker chassis is impregnated against wetness.

The speaker offers protection class IP 21C against the security risks of environmental influences. Quick and easy mounting with spring clamps and short tension distance. The connecting cables can be supplied by rubber grommets in the fire dome.

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 fire dome is included in the delivery.

This speaker is suitable for a ceiling strength of approx. 2-45 mm. Our specification is primarily related to solid ceilings. An increase in the ceiling depth could be necessary for ceilings with softer materials. Stronger cables and

Product	DL 06-165/T-EN54 STR
Article No	20206742

Acoustics

Power	6/3/1,5 W
Speaker ø	165 mm
Frequency Range	404 - 10.100 Hz
Frequency Response	80 - 24.000 Hz
Light intensity	14 cd
SPL 1W/1m, peak	102,5 dB
SPL 1W/4m, peak	90,5 dB
SPL Pmax/4m, peak	98,2 dB
SPL IEC268-5, 1W/1m	93,0 dB
SPL IEC268-5, Pmax/1m	100,8 dB
Sensitivity EN54-24, 1W/4m	81,0 dB
Dispersion -6dB, 500Hz	180° h/v
Dispersion -6dB, 1KHz	175° h/v
Dispersion -6dB, 2KHz	100° h/v
Dispersion -6dB, 4KHz	50° h/v

Connections and Housing

Connector	2-pin ceramic block
Terminal Diameter	3,2 mm
Maximum Cable Passage	8 mm²
Max. cable cross section loop	2x2 mm²
Temperature Range	-10 / +55 C°
Dimensions	220x110 mm
Ceiling Cut-out	198 mm
Weight (net)	1,44 kg
Housing	metal
Colour	RAL 9010
Mounting	Quick fit mounting
IP Rating	IP21

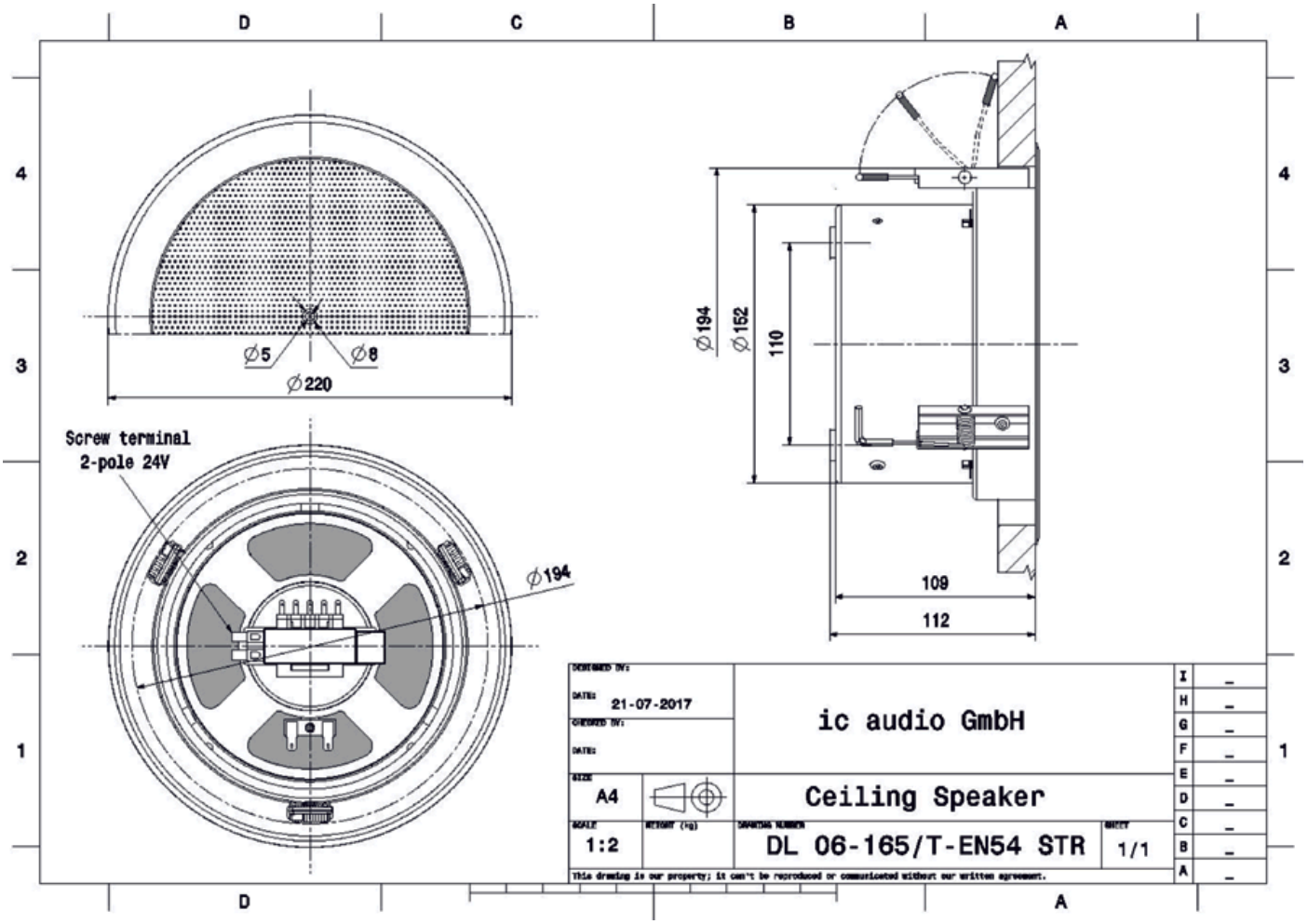
Certification

Ref. Nr.	010-14
ID-Code	SAA-LS01
Certificate Number	1438-CPR-1119

Product Attributes

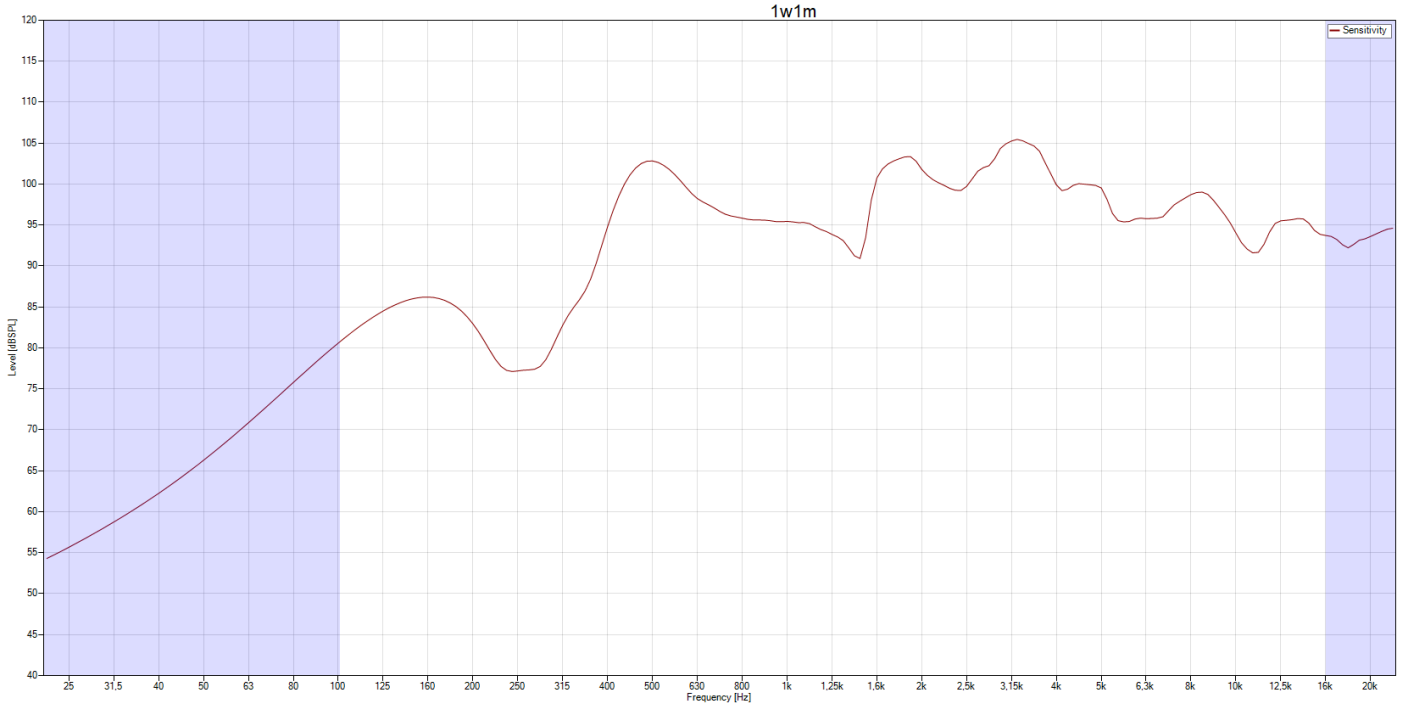


Technical Drawing

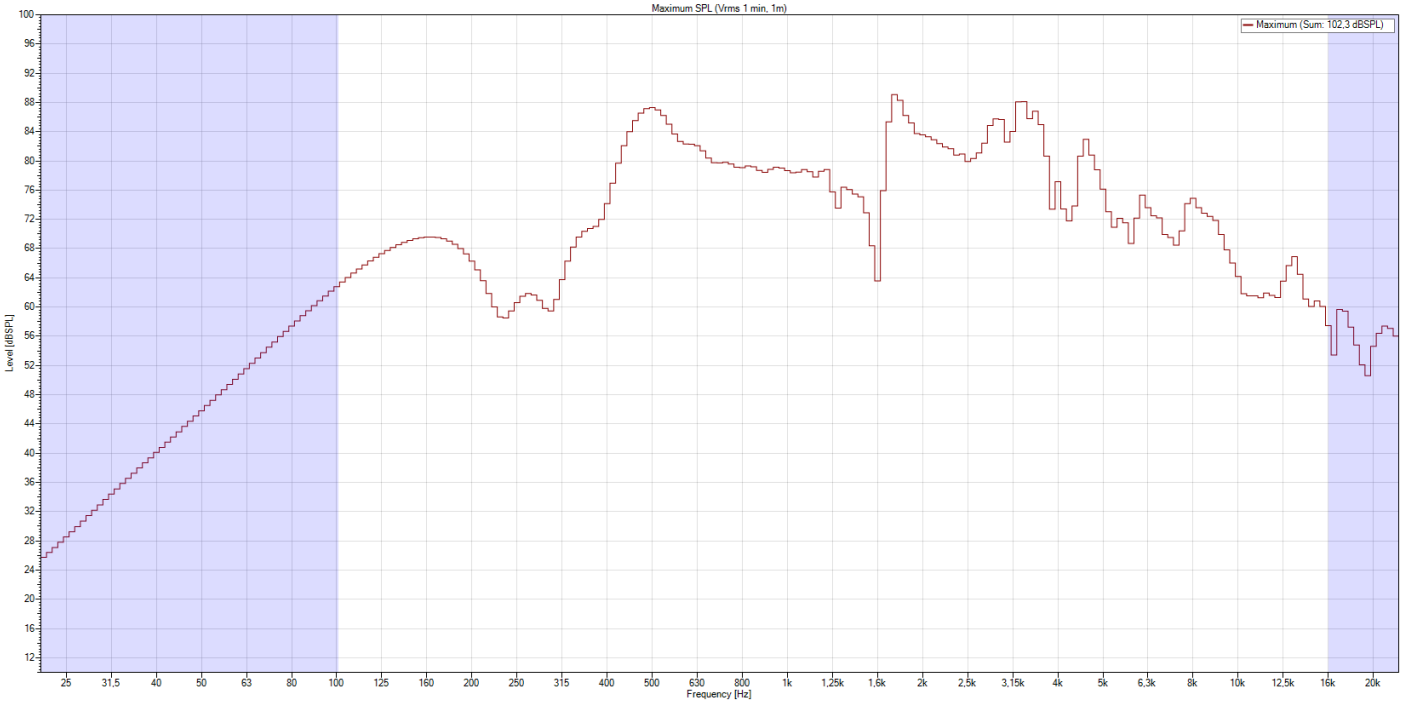


Frequency Response Diagram

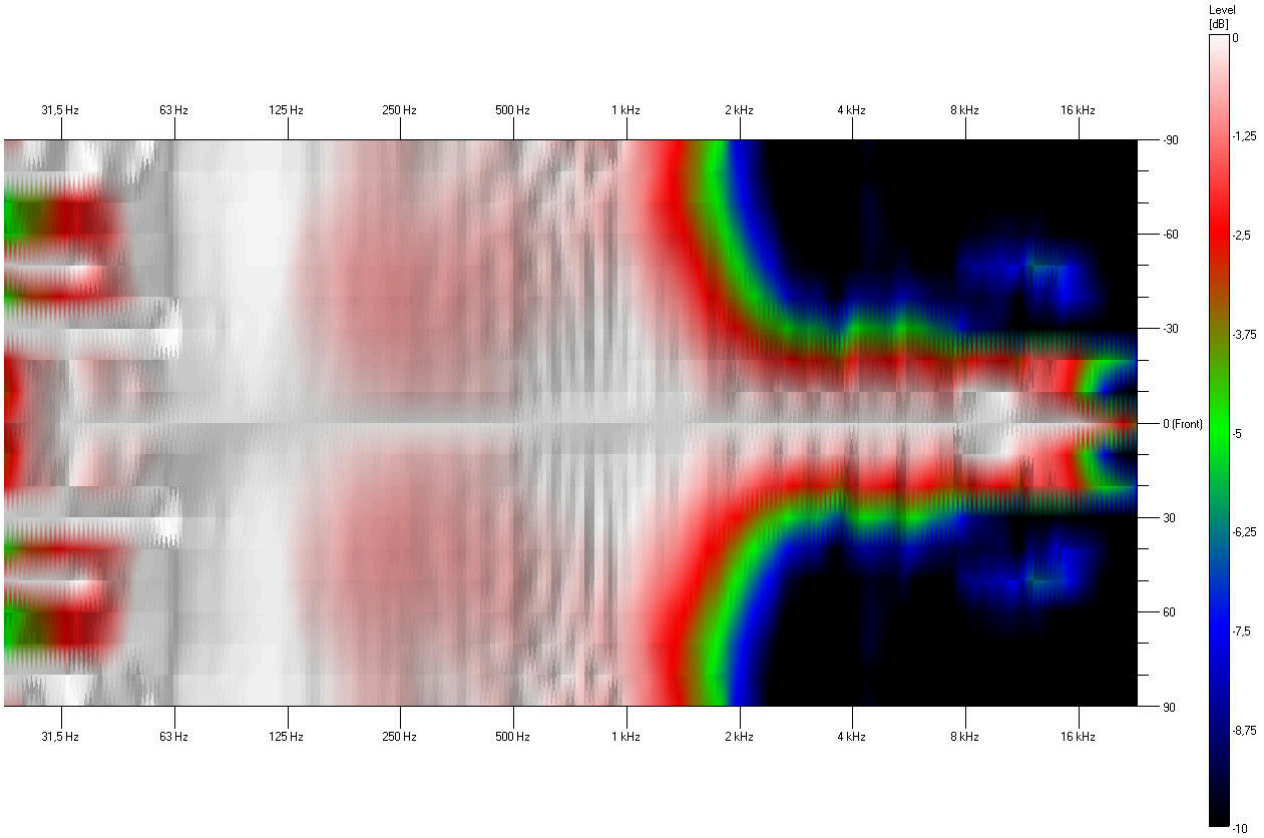
Sensitivity



SPL Max

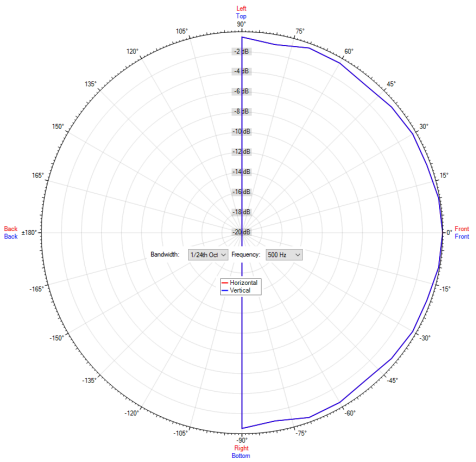


Isobar

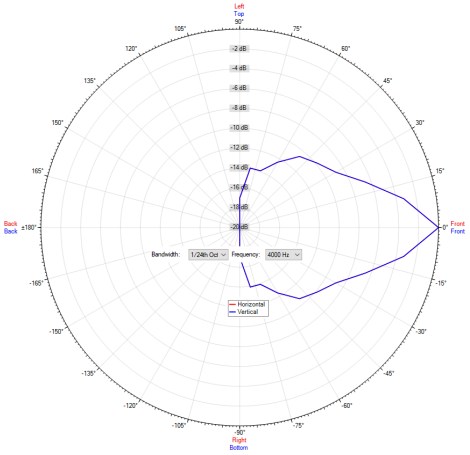

Level
[dB]
0
-1,25
-2,5
-3,75
-5
-6,25
-7,5
-8,75
-10
31,5 Hz
63 Hz
125 Hz
250 Hz
500 Hz
1 kHz
2 kHz
4 kHz
8 kHz
16 kHz
-90
-60
-30
0 (Front)
30
60
90

Polar Diagram

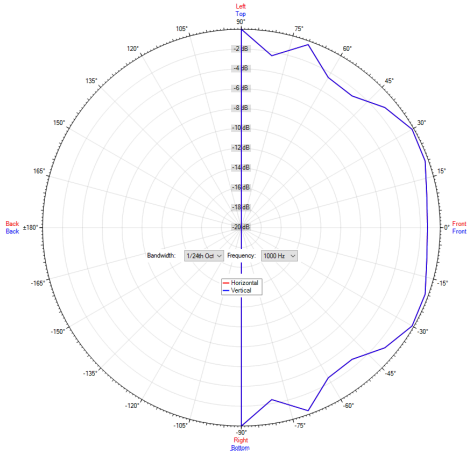
Polar Diagram 500Hz



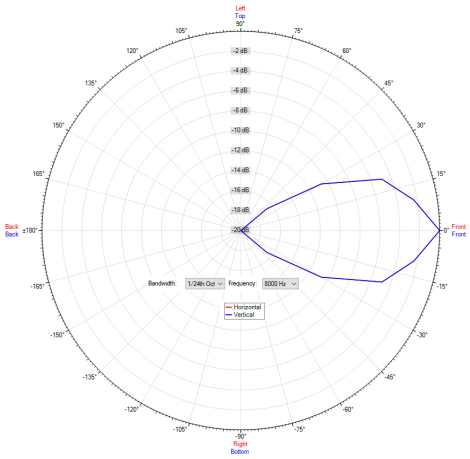
Polar Diagram 4000Hz



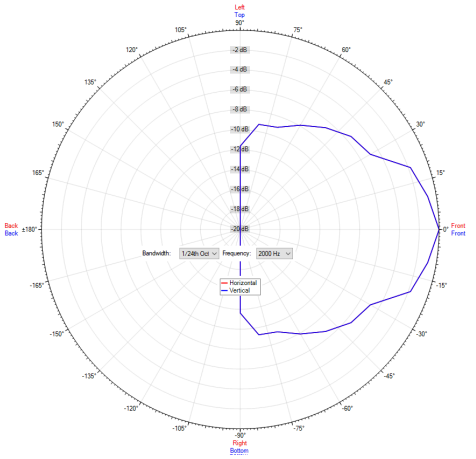
Polar Diagram 1000Hz



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.

Article No: 20206742
Packing Unit: 12