## DL 06-165/T-EN54 STR

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

EN54

CE 14

EN 54-24:2008
**Ref. Nr.**: 010-14
**ID-Code**: SAA-LS01
1438-CPR-0233

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68307 Mannheim, Germany

CE-Symbol gemäß Richtlinie 93/68EWG

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 100mm 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 other fittings may also result in changes to the general setup. With regard to the variety of materials and

| | |
|---|---|
| Product | DL 06-165/T-EN54 STR |
| Artikel Nr. | 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

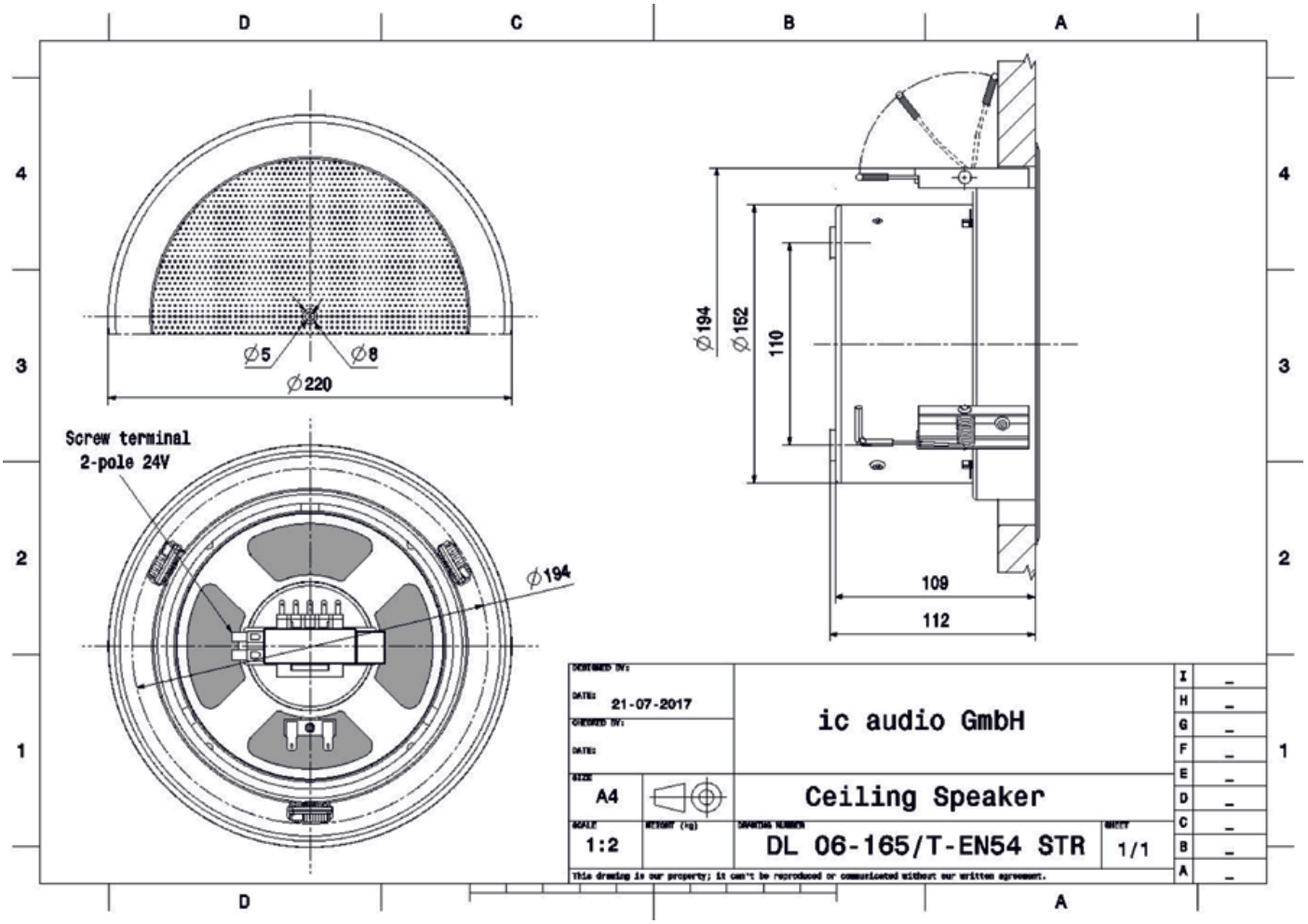
| | |
|---|---|
| Connector | 2-pin ceramic block |
| Terminal Diameter | 3,2 mm |
| Maximum Cable Passage | 8 mm² |
| Max. cable cross section loop | 2x2 mm² |
| Temperature Range | -10 / +55 C° |
| Dimensions | 220x110 mm |
| Ceiling Cut-out | 198 mm |
| Weight (net) | 1,44 kg |
| Housing | metal |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

## Certification

| | |
|---|---|
| Ref. Nr. | 010-14 |
| ID-Code | SAA-LS01 |
| Certificate Number | 1438-CPR-0233 |

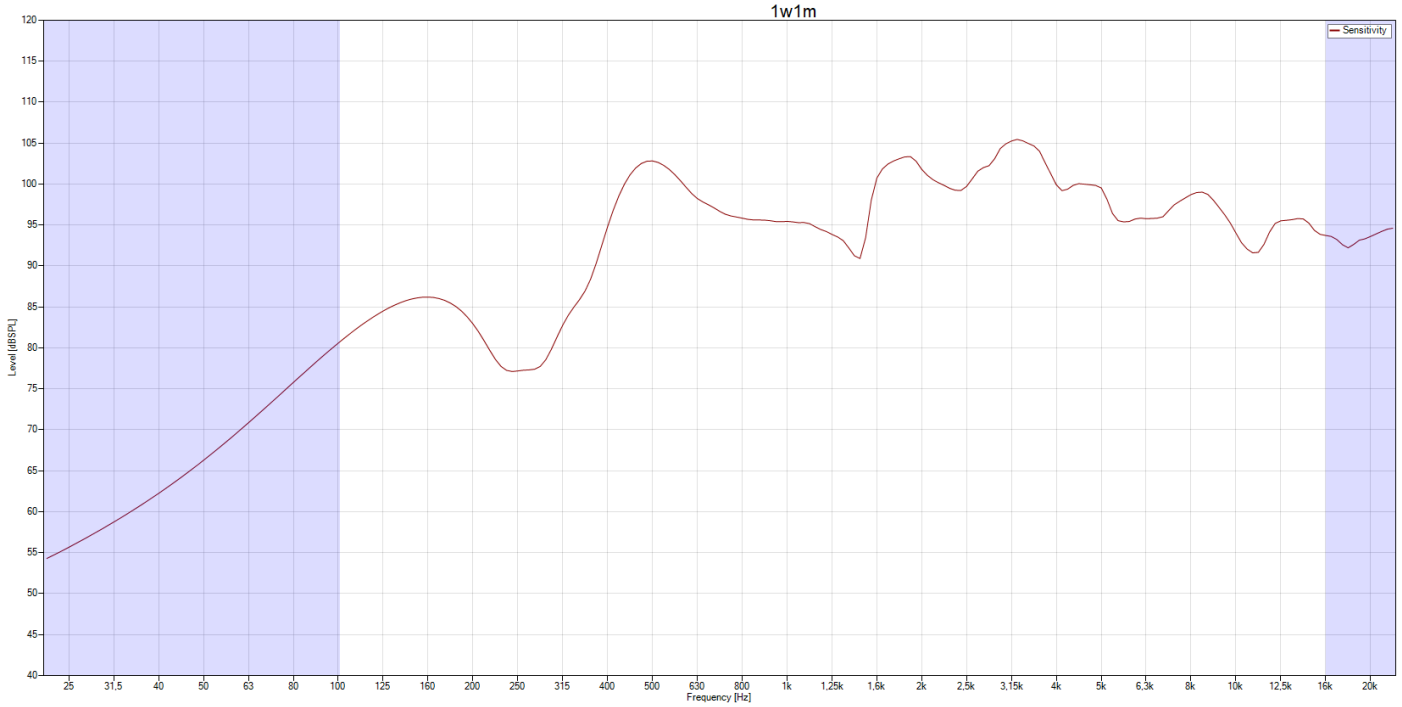
## Product Attributes

## Technical Drawing

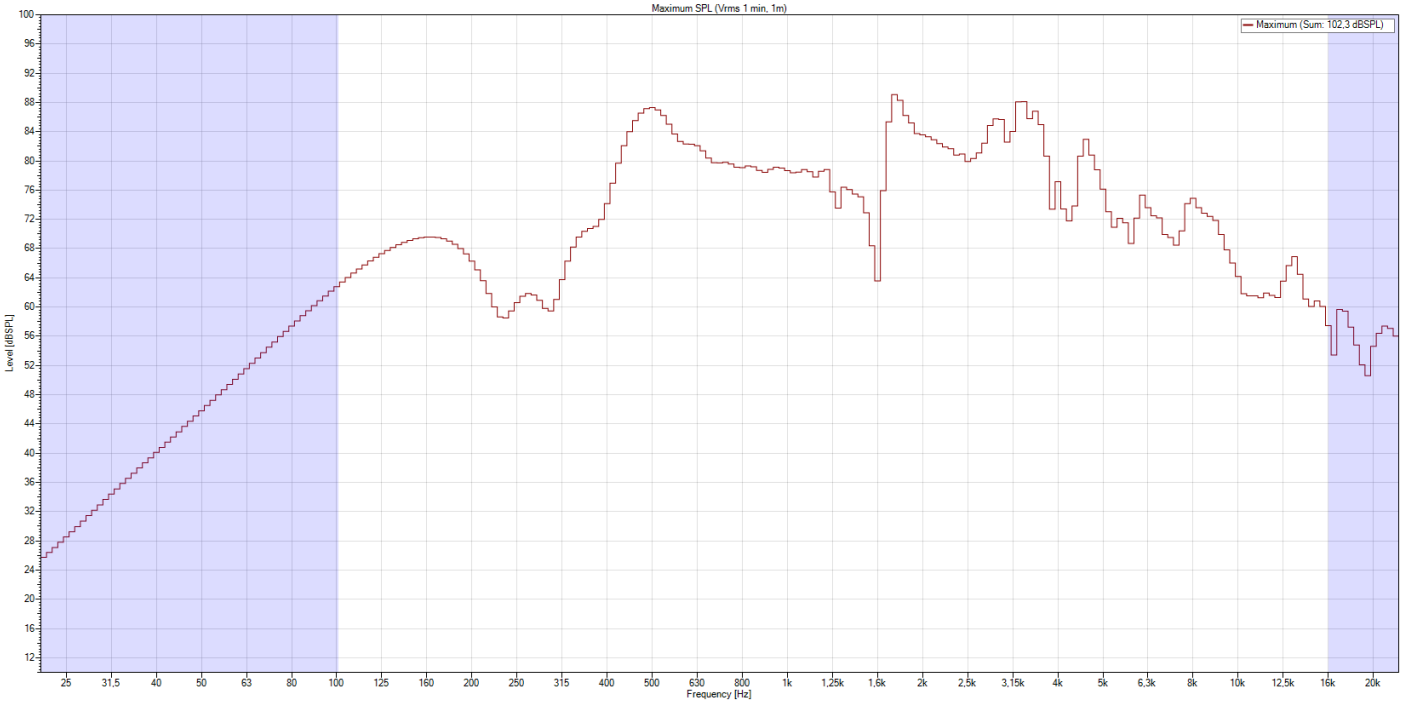


## Frequency Response Diagram

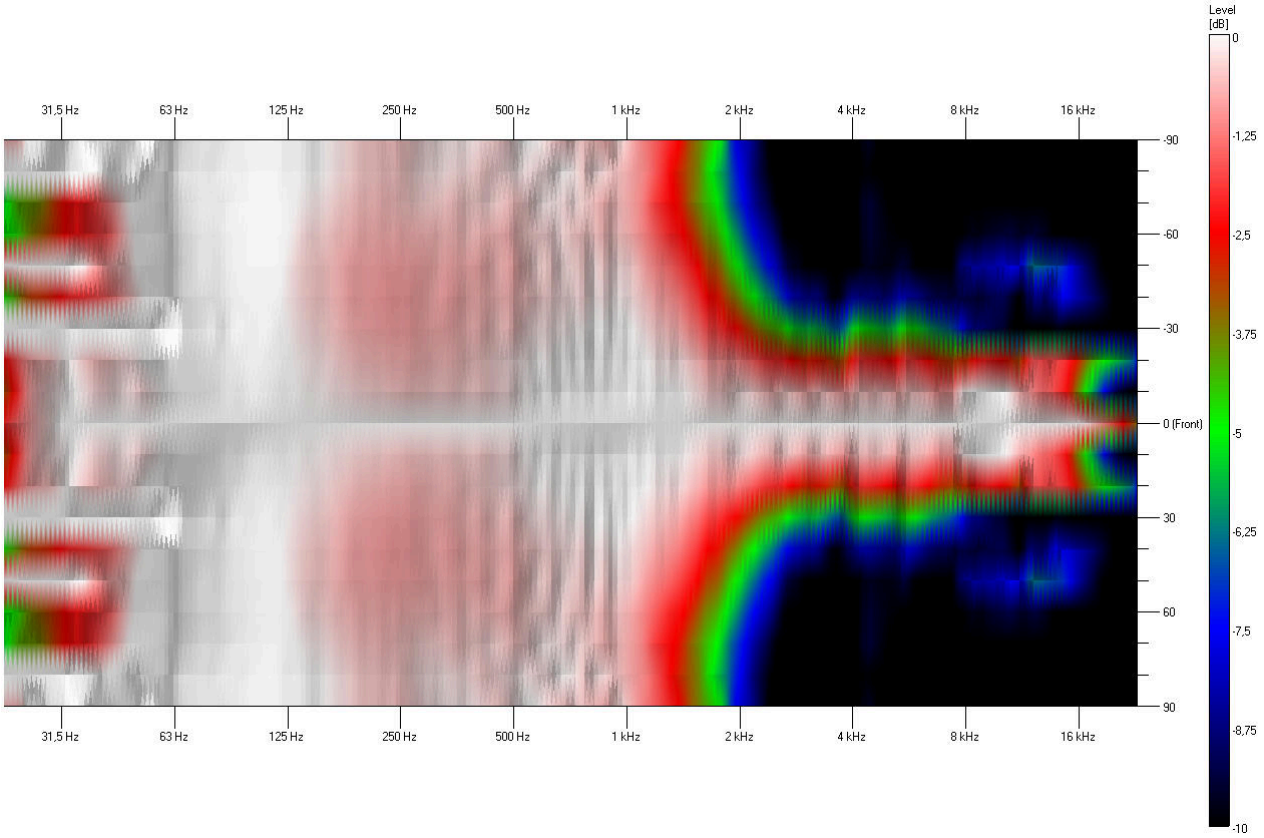
Sensitivity




SPL Max

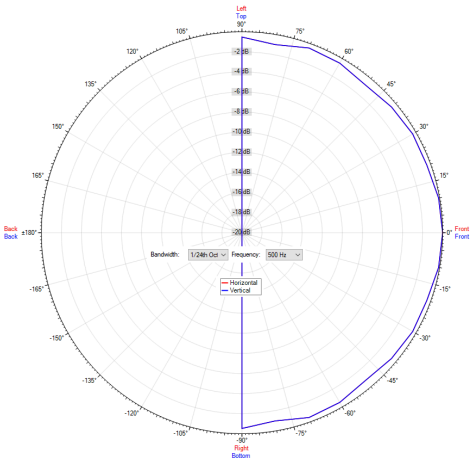


## Isobar

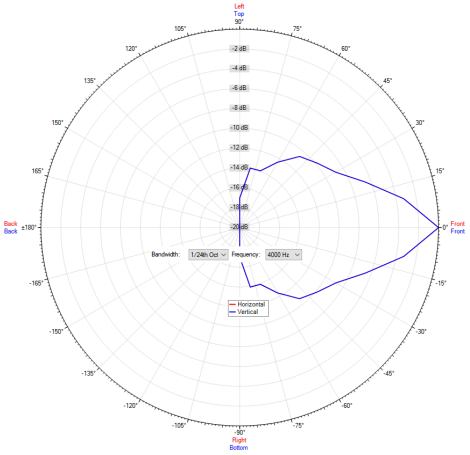

Level
[dB]
0
-1,25
-2,5
-3,75
-5
-6,25
-7,5
-8,75
-10
31,5 Hz
63 Hz
125 Hz
250 Hz
500 Hz
1 kHz
2 kHz
4 kHz
8 kHz
16 kHz
-90
-60
-30
0 (Front)
30
60
90

## Polar Diagram

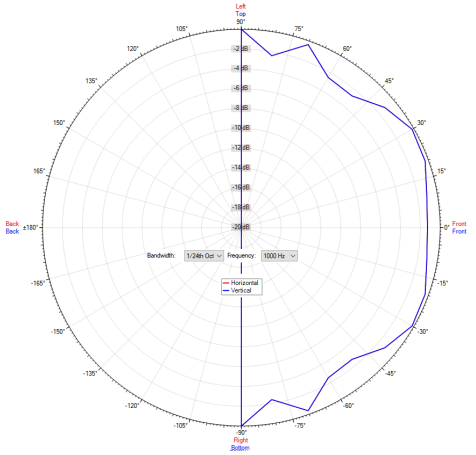
### Polar Diagram 500Hz



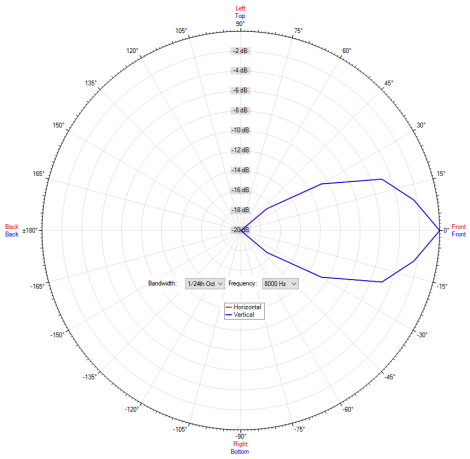

### Polar Diagram 4000Hz



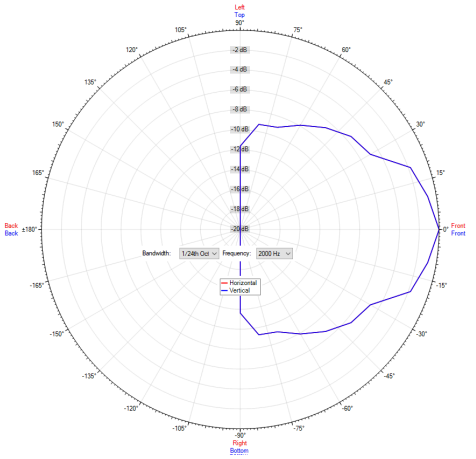

### Polar Diagram 1000Hz




### 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. :** 20206742
**Packing Unit:** 12