



## TS-C 50-1000/T-EN54

- Aluminium housing
- Weather proof
- BS 5839



EN 54-24:2008  
**Ref. Nr.:** 006-13  
**ID-Code:** SAA-LS06  
 1438/CPD/0315

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

CE-Symbol gemäß Richtlinie 93/68EWG

The 50W powered speaker is equipped with eight 77mm full-range loudspeaker chassis and a 100V transformer with 4 power adjustments. The powder-coated and shock-resistant aluminium housing in RAL 9006 guarantees long-term stability. For additional reliability, a 2-pin ceramic block and a thermal fuse are provided, and the speaker chassis is impregnated against wetness. Furthermore, sturdy cable glands 2 x PG9 are also provided.

The speaker is also secured with the high protection class IP 66 against the security risks of environmental influences.

The speaker is compliant with the British Standard BS 5839, Part 8.

The easy mounting with the included swivel bracket provides much flexibility for the installation.

The ball impact resistance of the sound column can only be guaranteed if a mounting bracket is used (article number 20132684). This can be ordered separately.

|             |                     |
|-------------|---------------------|
| Product     | TS-C 50-1000/T-EN54 |
| Artikel Nr. | 20122604            |

## Acoustics

|                            |                      |
|----------------------------|----------------------|
| Power                      | 50/30/15/7,5 W       |
| Impedance (100V)           | 200/333/667/1333 ohm |
| Speaker ø                  | 77 mm                |
| Frequency Range            | 250 - 15.800 Hz      |
| Frequency Response         | 110 - 18.000 Hz      |
| SPL 1W/1m, peak            | 102,8 dB             |
| SPL 1W/4m, peak            | 90,8 dB              |
| SPL Pmax/4m, peak          | 107,7 dB             |
| SPL IEC268-5, 1W/1m        | 95,0 dB              |
| SPL IEC268-5, Pmax/1m      | 112,0 dB             |
| Sensitivity EN54-24, 1W/1m | 94,7 dB              |
| Sensitivity EN54-24, 1W/4m | 82,7 dB              |
| Dispersion -6dB, 500Hz     | h=360°, v=73°        |
| Dispersion -6dB, 1KHz      | h=186°, v=33°        |
| Dispersion -6dB, 2KHz      | h=173°, v=17°        |
| Dispersion -6dB, 4KHz      | h=98°, v=6°          |

## Connections and Housing

|                               |                      |
|-------------------------------|----------------------|
| Connector                     | 2-pin ceramic block  |
| Terminal Diameter             | 4,0 mm               |
| Maximum Cable Passage         | 12,5 mm <sup>2</sup> |
| Max. cable cross section loop | 2x2mm <sup>2</sup>   |
| Temperature Range             | -25 / +70 C°         |
| Type A/B                      | B                    |
| Dimensions                    | 971x100x92 mm        |
| Weight (net)                  | 5,20 kg              |
| Housing                       | aluminium            |
| Colour                        | RAL 9006             |
| Mounting                      | Swivel bracket       |
| IP Rating                     | IP66                 |

## Certification

|                    |               |
|--------------------|---------------|
| Ref. Nr.           | 006-13        |
| ID-Code            | SAA-LS06      |
| Certificate Number | 1438/CPD/0315 |

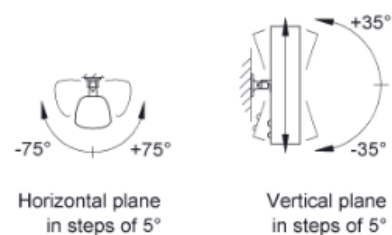
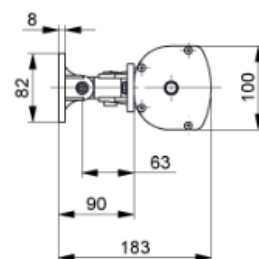
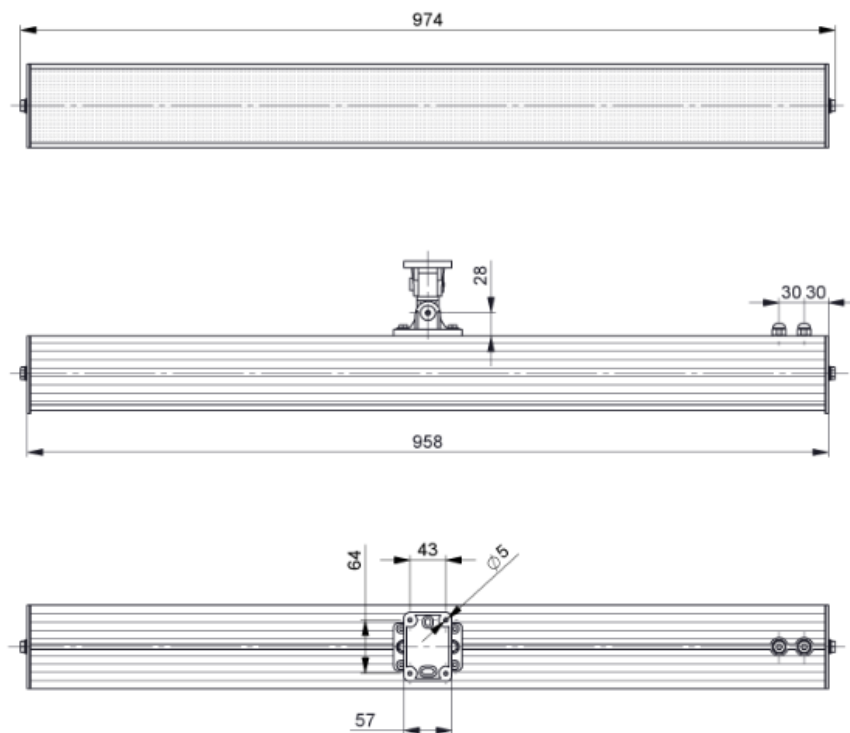
## Product Attributes



## Technical Drawing



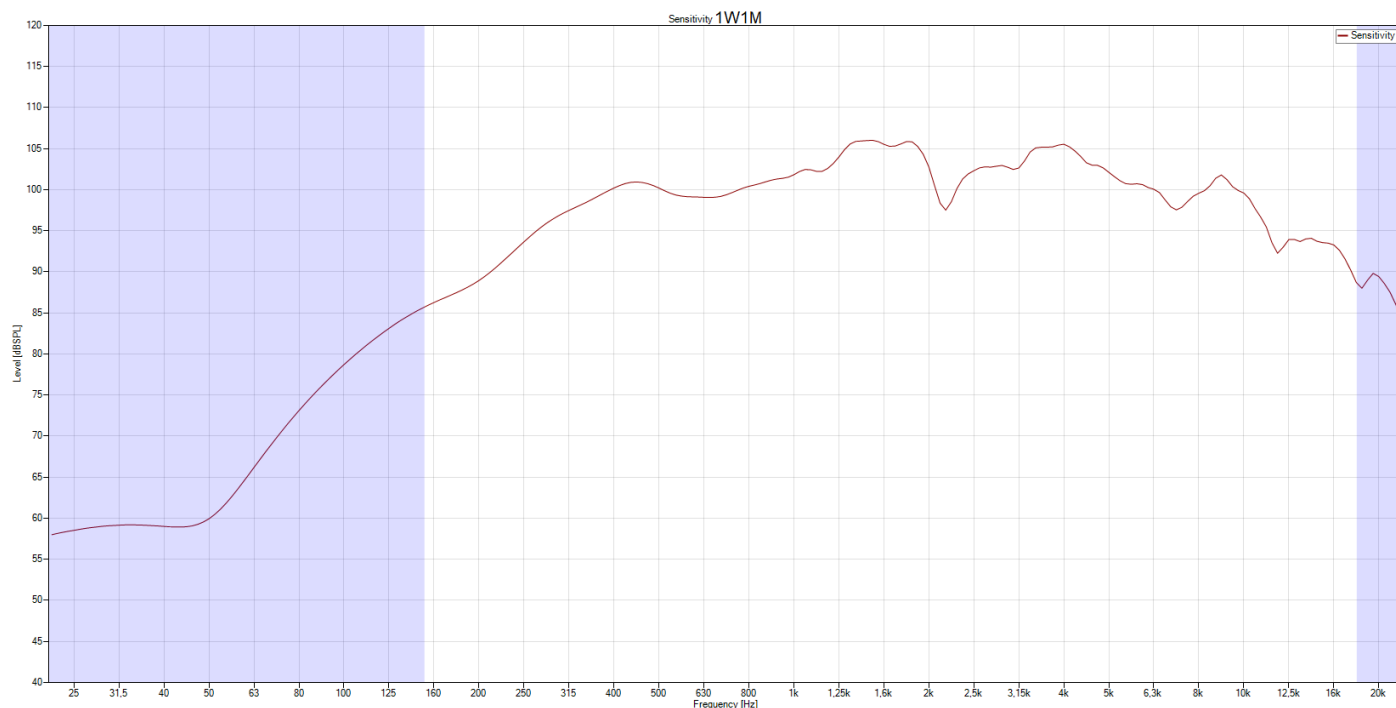
TS-C 50-1000/T-EN54



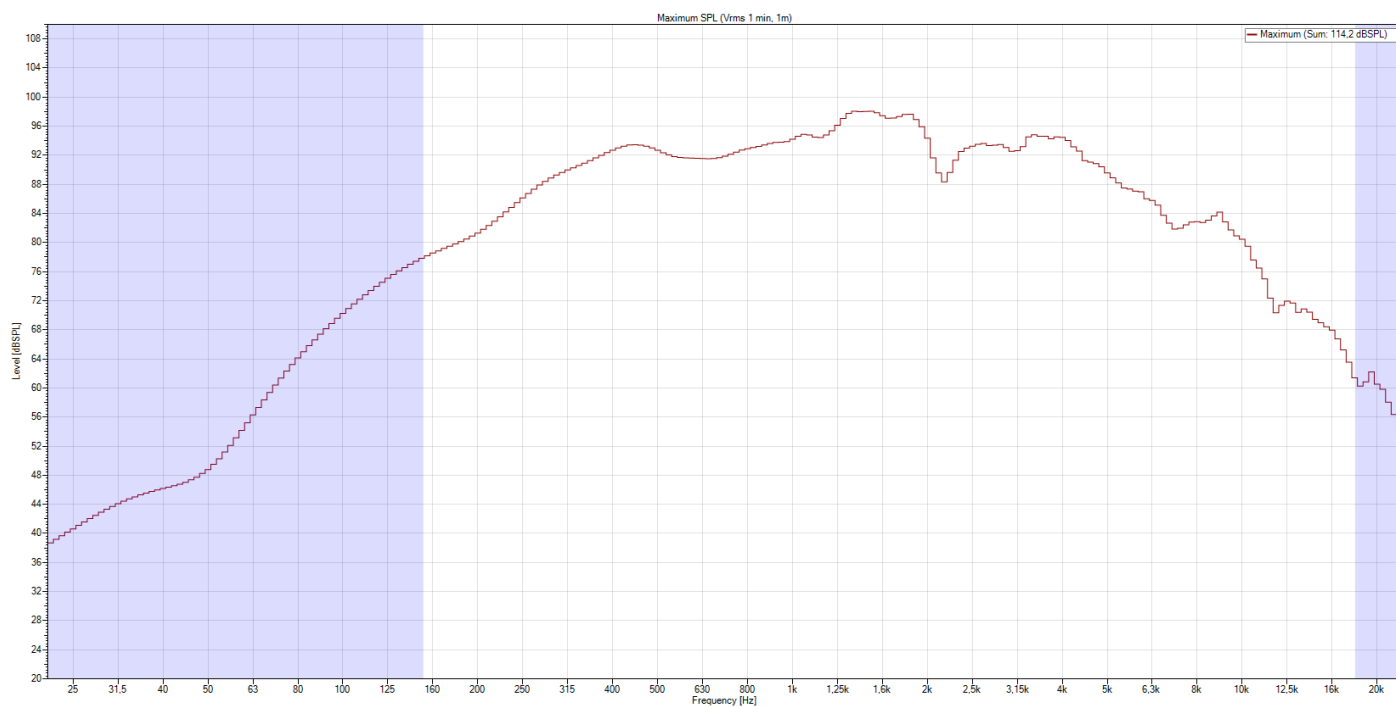
all dimensions are in mm

## Frequency Response Diagram

### Sensitivity

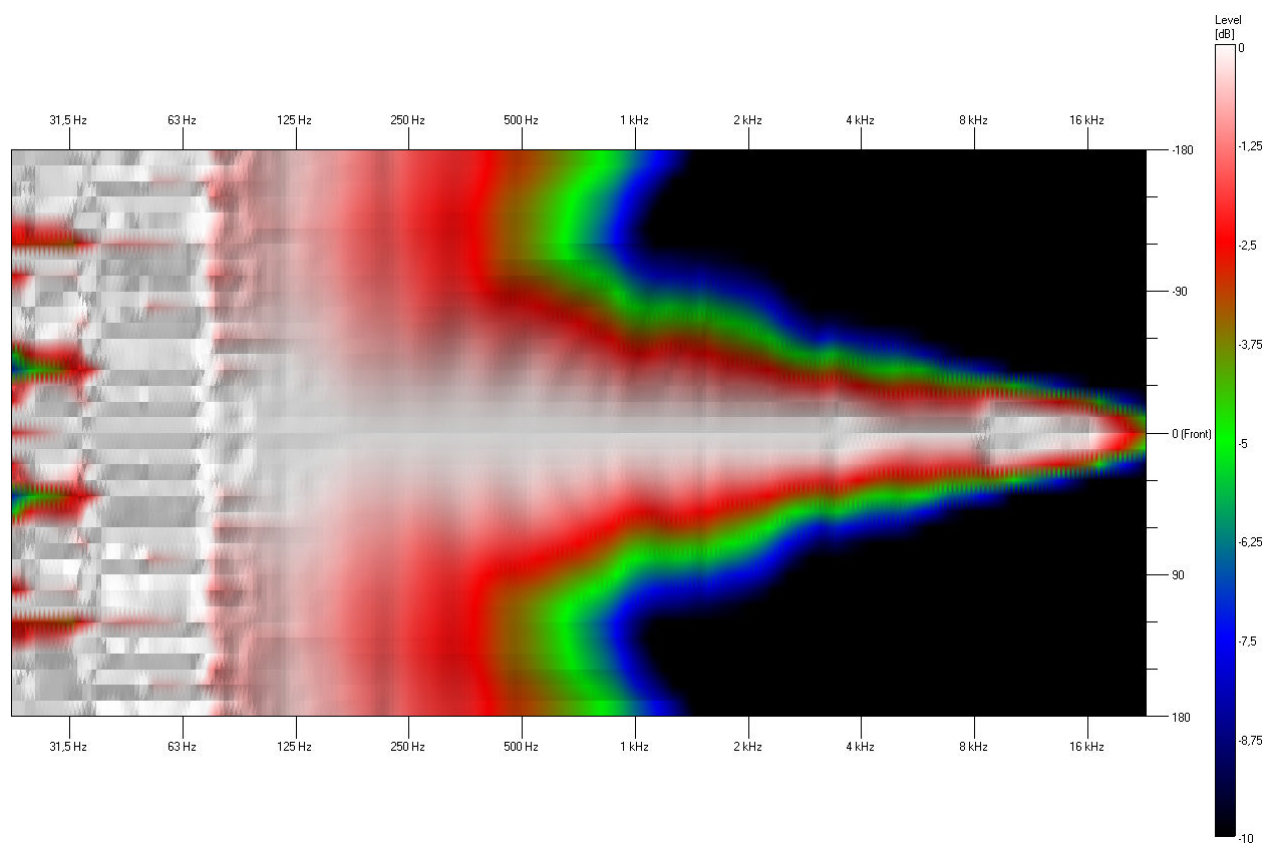


### SPL Max

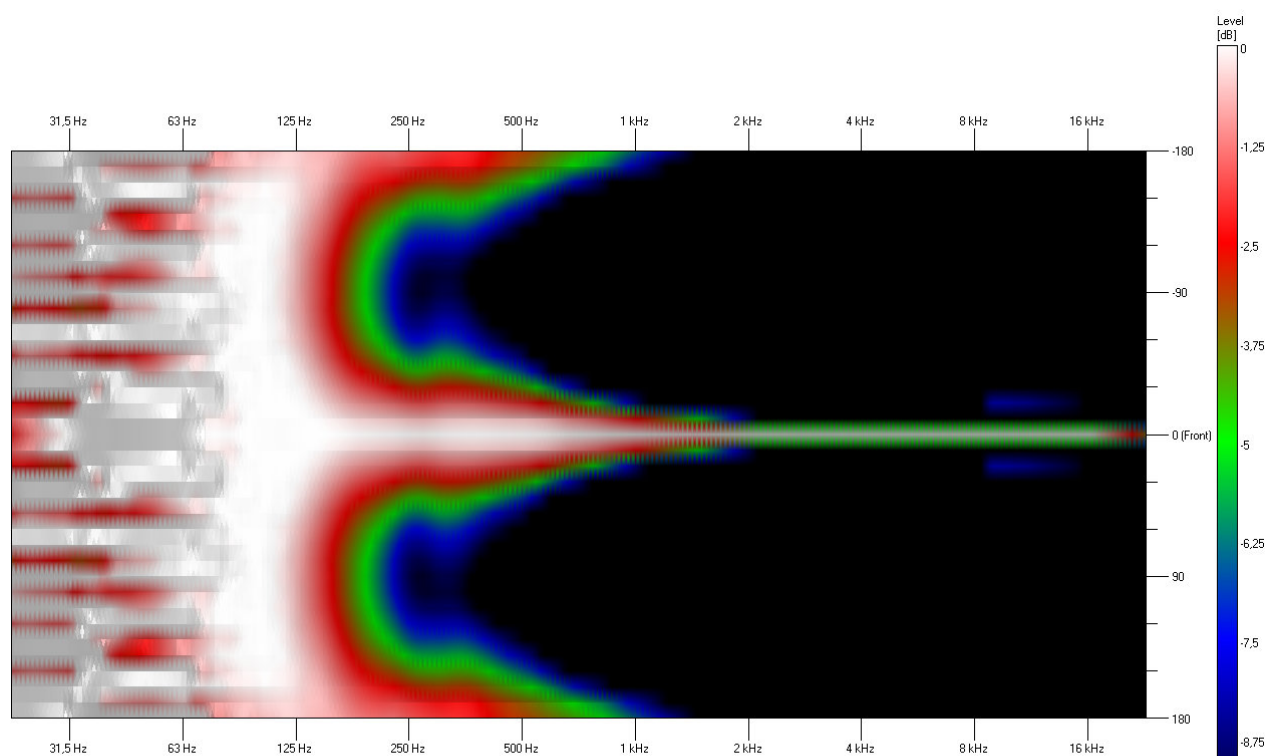


## Isobar

### Horizontal

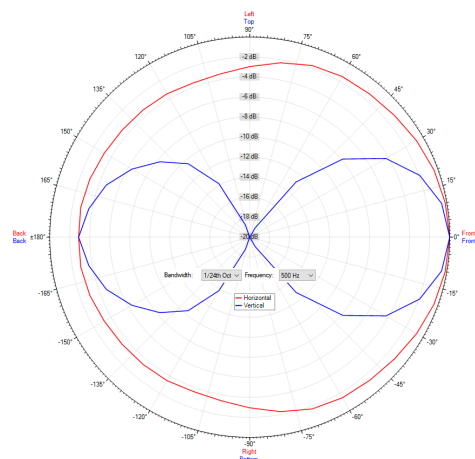


### Vertical

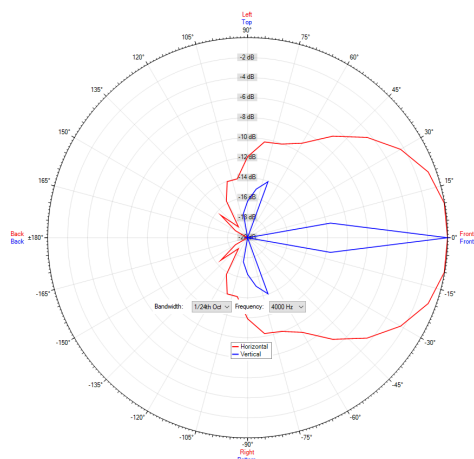


## Polar Diagram

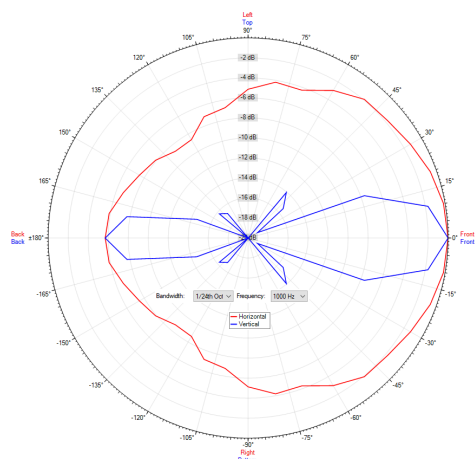
Polar Diagram 500Hz



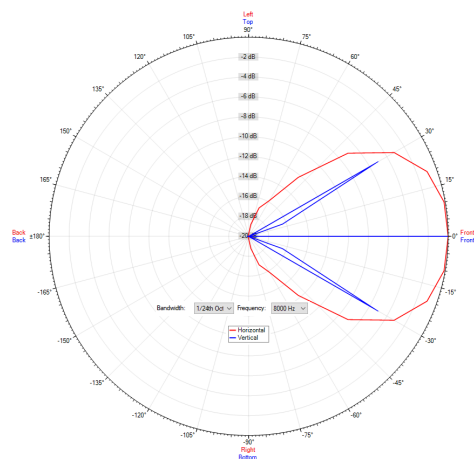
Polar Diagram 4000Hz



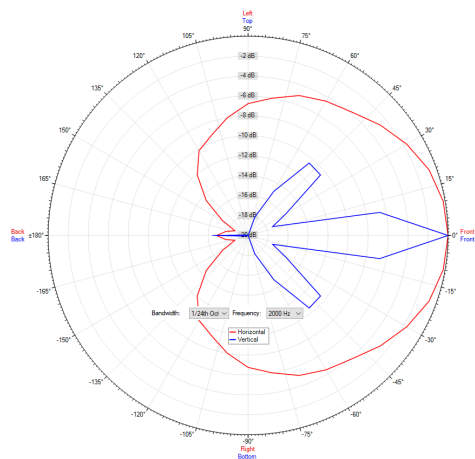
Polar Diagram 1000Hz



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.



Artikel Nr. : 20122604  
Packing Unit: 1

