

DL-H 60-165/T plus white-EN54

- UV-resistant
- easy power adjustment
- 2-way system

EN54

CE
25

EN 54-24:2008
Ref. Nr.: 023-15
ID-Code: SAA-LS33
1438-CPR-0766

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

CE-Symbol gemäß Richtlinie 93/68EWG

The 60W speaker is equipped with a 165mm 2-way bass-reflex system and offers powerful sound with a wide and homogeneous dispersion. The DL-H has a 100V transformer with 3 power adjustments, these can be easily adjusted by a rotary switch on the top of the sphere. Low-impedance operation is also possible.

The impact-resistant, UV-resistant ABS plastic housing in RAL 9016 guarantees lasting stability. Additional operational safety is provided by the 2-pin ceramic terminal block, a thermal fuse, a PG screw connection integrated into the canopy and the moisture impregnation of the loudspeaker. The loudspeaker is protected against the risks of environmental influences with protection class IP65.

The connection is made via a 2-core, 4.5m long cable. Quick and uncomplicated installation using mounting hooks and canopy.

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

Product	DL-H 60-165/T plus white-EN54
Article No	20238101

Acoustics

Power	60 / 30 / 15 (8)W
Impedance (100V)	167 / 333 / 667 / 8 ohm
Speaker ø	165 mm
Frequency Range	70 - 20.000 Hz
Frequency Response	60 - 22.000 Hz
SPL 1W/1m, peak	87 dB
SPL 1W/4m, peak	75 dB
SPL Pmax/4m, peak	92,7 dB
SPL IEC268-5, 1W/1m	86,2 dB
SPL IEC268-5, Pmax/1m	103,4 dB
Sensitivity EN54-24, 1W/1m	86,2 dB
Sensitivity EN54-24, 1W/4m	73,8 dB
Dispersion -6dB, 500Hz	210° h/v
Dispersion -6dB, 1KHz	140° h/v
Dispersion -6dB, 2KHz	105° h/v
Dispersion -6dB, 4KHz	70° h/v

Connections and Housing

Connector	2-pin ceramic block
Terminal Diameter	3,2 mm
Maximum Cable Passage	8 mm²
Temperature Range	-10 / +55 C°
Type A/B	A
Dimensions	256x316 mm
Weight (net)	3,6 kg
Housing	ABS
Colour	RAL 9016
Mounting	Mounting hook
IP Rating	IP65

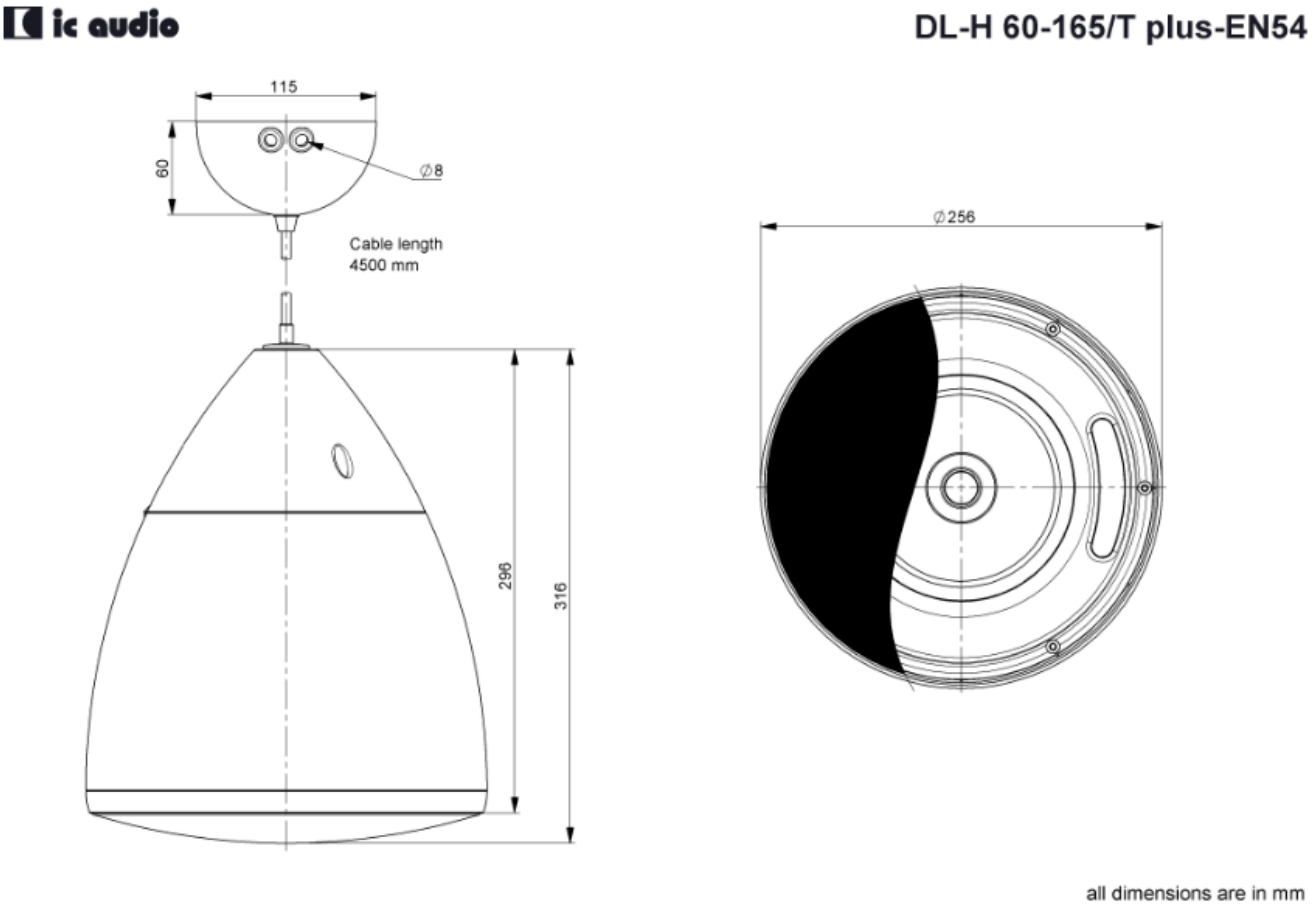
Certification

Ref. Nr.	023-15
ID-Code	SAA-LS33
Certificate Number	1438-CPR-0766

Product Attributes

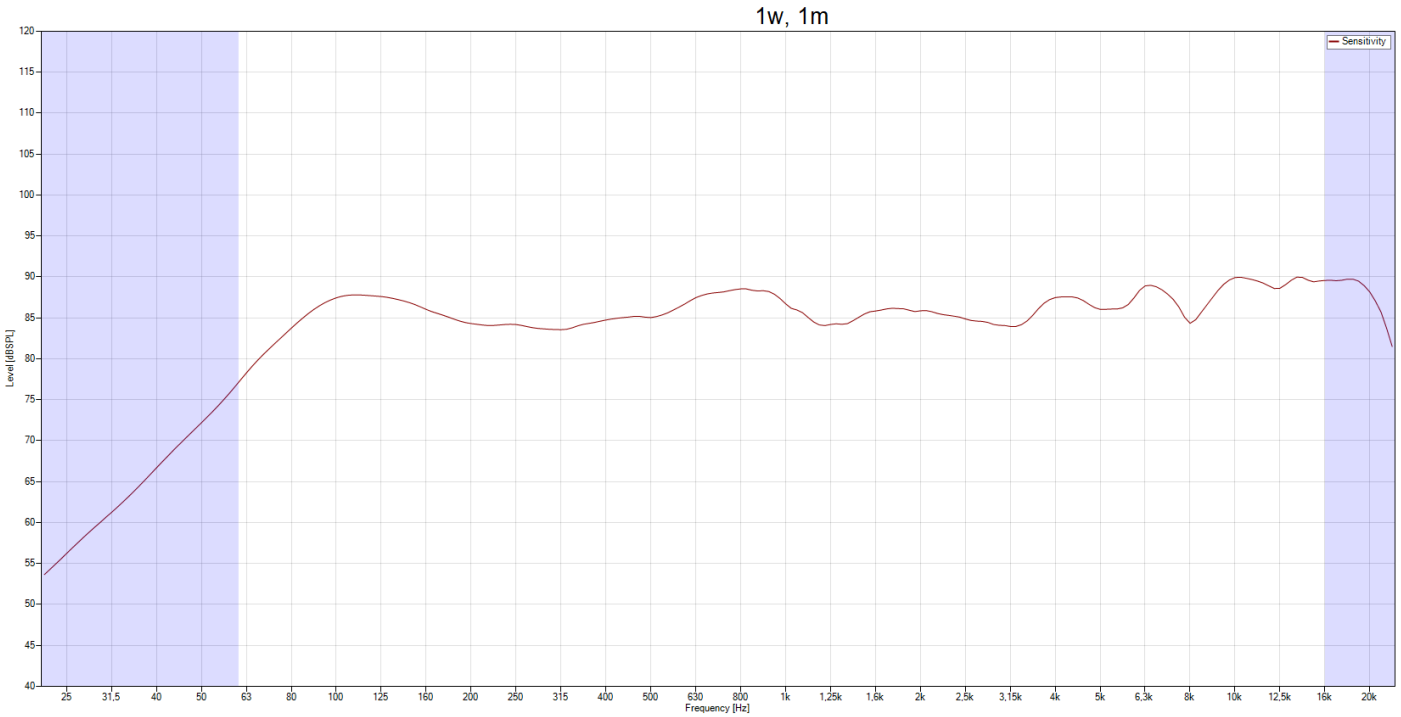


Technical Drawing

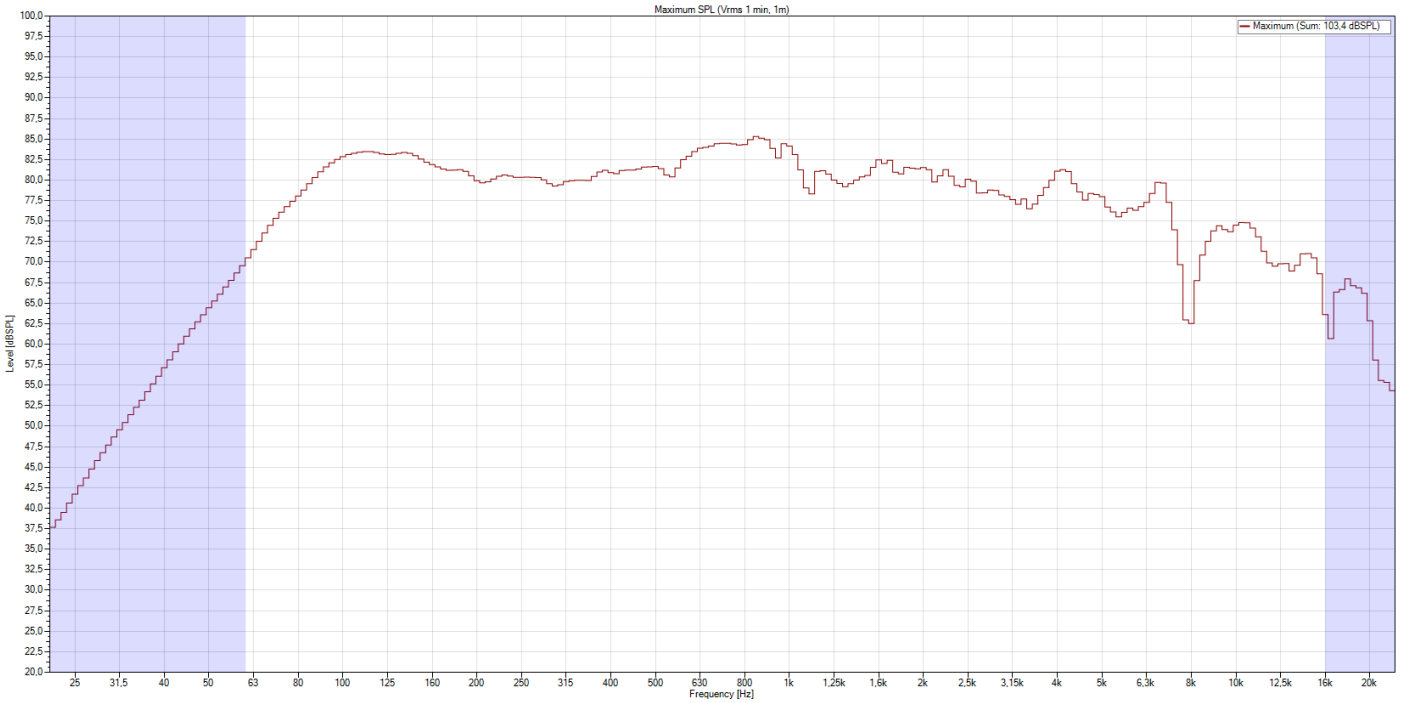


Frequency Response Diagram

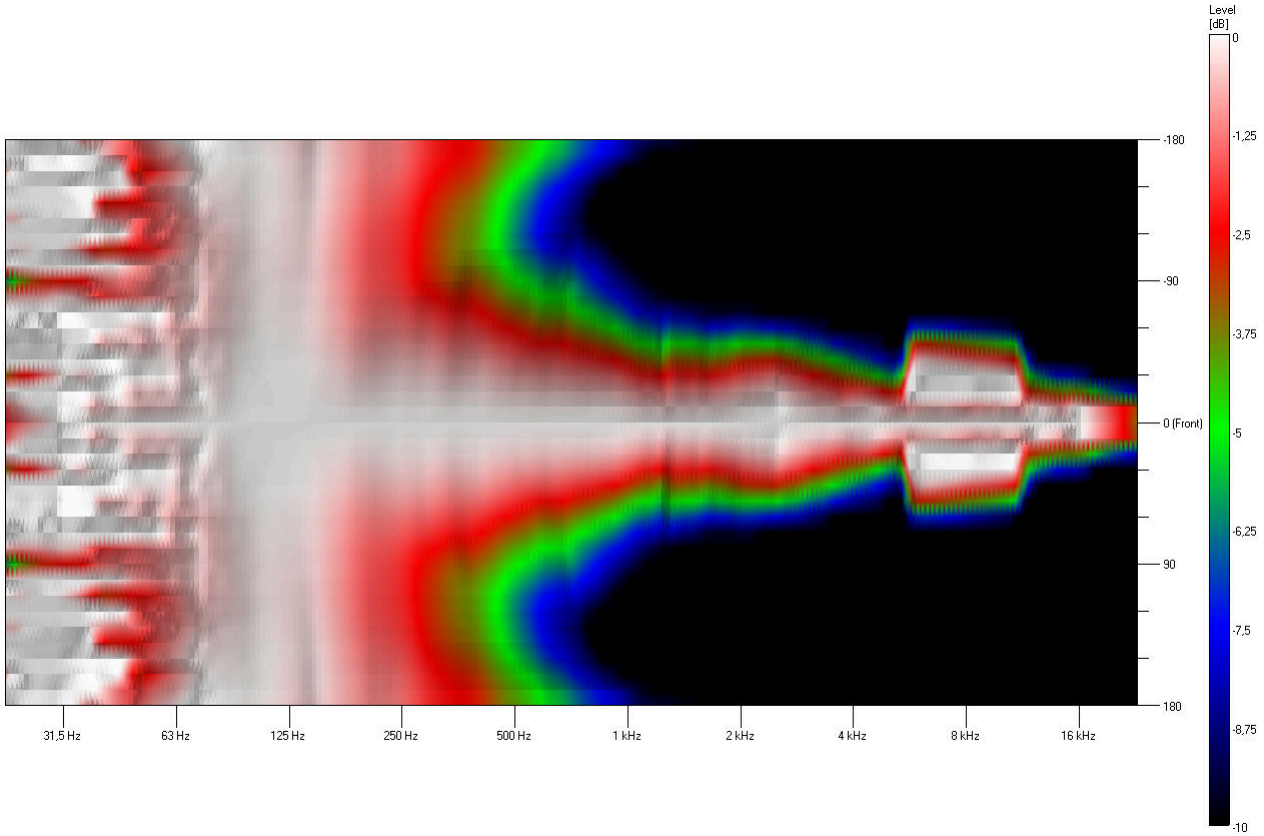
Sensitivity



SPL Max

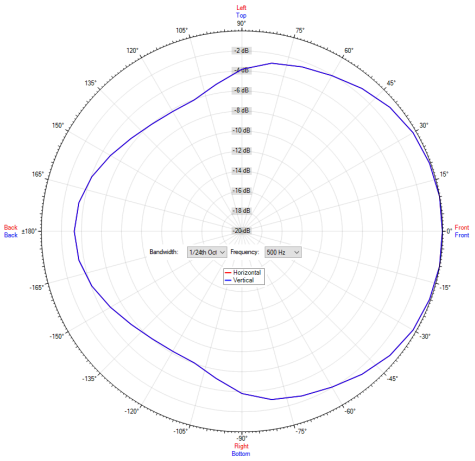


Isobar

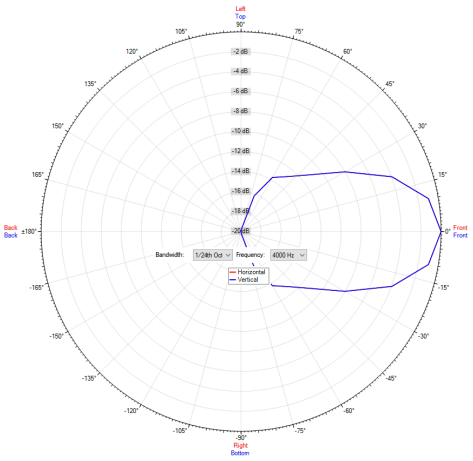

Level
[dB]
0
-1,25
-2,5
-3,75
-5
-6,25
-7,5
-8,75
-10
-180
-90
0 (Front)
90
180
31,5 Hz
63 Hz
125 Hz
250 Hz
500 Hz
1 kHz
2 kHz
4 kHz
8 kHz
16 kHz

Polar Diagram

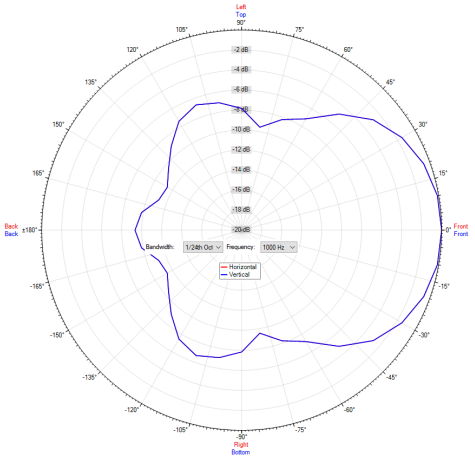
Polar Diagram 500Hz



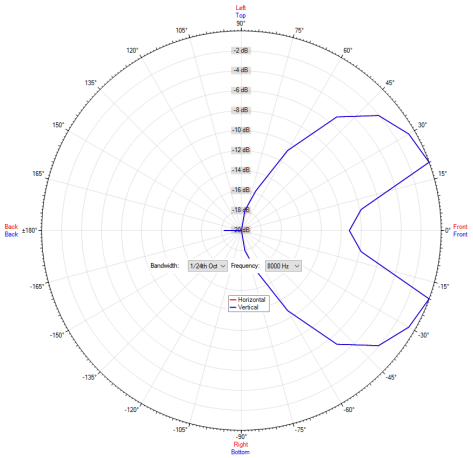
Polar Diagram 4000Hz



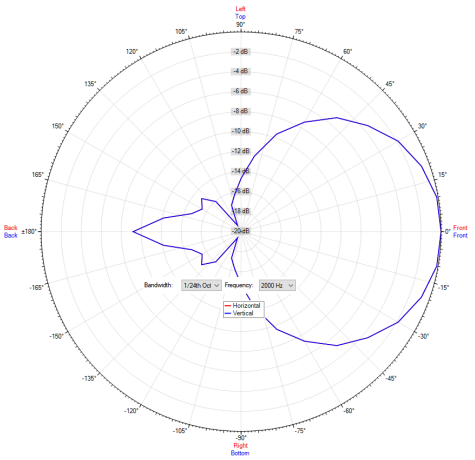
Polar Diagram 1000Hz



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: 20238101
Packing Unit: 4