LUA15

2-Way Passive Installation Loudspeaker

FEATURES

- A/V portable and installed sound reinforcement
- Mobile entertainers and voice reinforcement
- FG/BG music reproduction in distributed audio installed solutions
- Commercial and High Power Domestic applications

APPLICATIONS

- A/V portable and installed sound reinforcement
- Mobile entertainers and voice reinforcement
- FG/BG music reproduction in distributed audio installed solutions
- Commercial and High Power Domestic applications

OVERVIEW

LUA15 is a high-resolution loudspeaker with unique design ideal for high quality music playback in AV portable systems and distributed audio installed solutions.

Featuring premium European high-efficiency transducers, **LUA**15 HF assembly integrates a 1,75″ compression driver coupled with IDEA's proprietary Vertical-Horizontal symmetrical wide coverage horn and the LF section features a 15″ woofer with two frontal firing ports that deliver full-range audio playback (capable of extending LF frequency response down to 55 Hz) out of this rugged and durable 15 mm birch plywood cabinet with the exclusive design finish.

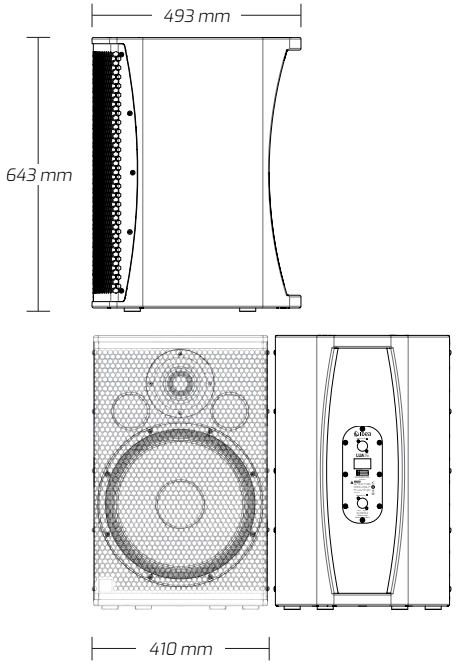
LUA15 matches the requirements for A/V and basic professional sound reinforcement applications as well as installations that benefit from a relatively compact design that delivers, in the mid-field at full power or in open spaces at BGM levels, sufficient LF response without subwoofers.

The curved-cabinet **LUA**15 has been designed for easy and straightforward setup and installation with a bottom 35mm pole mount socket and 2xM8 inserts to use with the optional U-bracket. Wall-mounted in half space **LUA**15 can also be used in fixed installations as full-range sound system (thanks to the dual front-firing ports) at BGM levels, or to be always surprisingly powerful in combination with **BASSO** subwoofers.

Although **LUA**15 can perfectly work as standalone systems, the integration of LF reinforcement subwoofers clearly benefit the system performance. **LUA**15 couples seamlessly with **BASSO** Series subwoofers delivering serious power density and astonishing natural, pleasant sonic quality that make this configuration an ideal choice for those environments demanding for unobtrusive, stylish but high quality, powerful solutions.

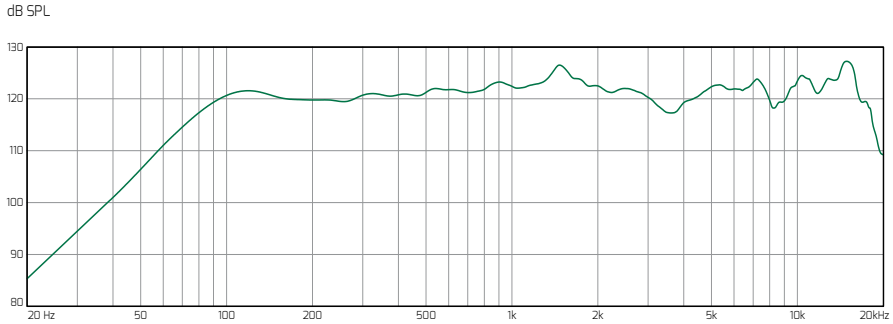
TECHNICAL DATA

Enclosure design	Curved
HF Transducers	1.75″ Voice Coil Compression Driver (1.4 Exit, 120 mm magnet)
LF Transducers	1 x 15″woofer
Power Handling (RMS)	400 W
Nominal Impedance	8 Ohm
SPL (Continuous/Peak)	123/129 dB SPL
Frequency Range (-10 dB)	55 - 20000 Hz
Frequency Range (-3 dB)	78 - 18000 Hz
Coverage	80° Axisymmetric
Dimensions (WxHxD)	410 x 643 x 493 mm (16.1 x 25.3 x 19.4 in)
Weight	23.9kg (52.7 lb)
Connectors **+/-1** **+/-2**	2 x Neutrik speakOn NL-4 in parallel Input Link
Cabinet Construction	15 mm Birch Plywood
Grille	1.5 mm perforated weatherised steel with protective foam
Finish	Durable IDEA proprietary Aquaforce high-resistance paint coating process
Handles	2 integrated handles
Feet/skates	4 Rubber feet
Installation	6 threaded M8 inserts. Bottom 36 mm pole mount socket
Accessories	35 mm Pole (K&M-21336)



ACOUSTICAL MEASUREMENTS

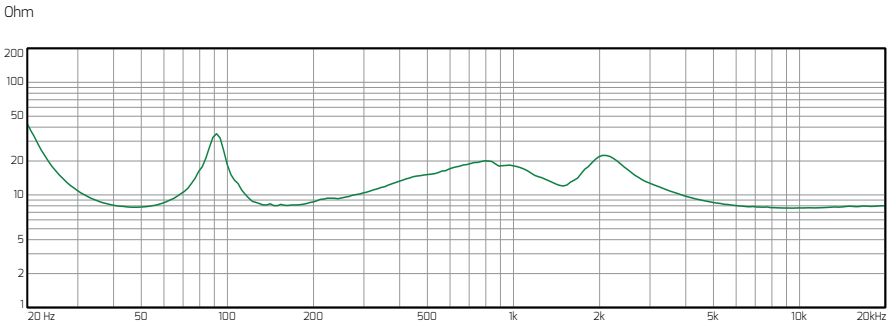
FREQUENCY RESPONSE



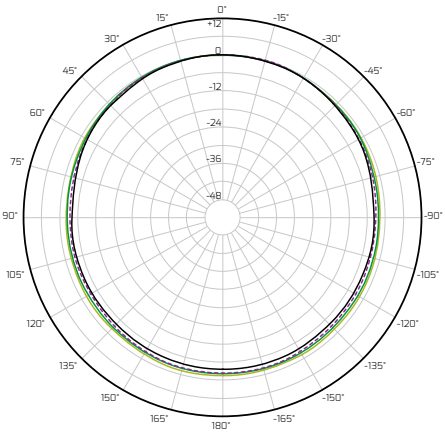
This graph shows the frequency response for a 1-watt swept sine signal in an anechoic environement (4pi), measured at 3 m and scaled down at 1 m.

In order to provide more precise information for acoustical analysis, a 1/12 octave smoothing has been applied.

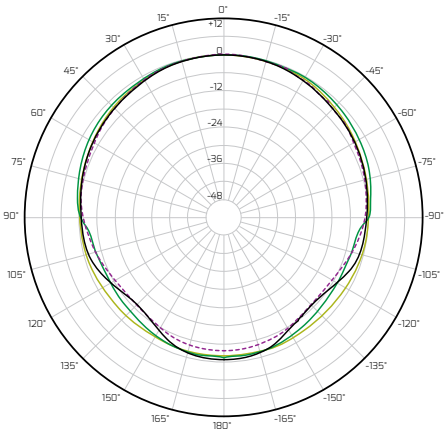
IMPEDANCE



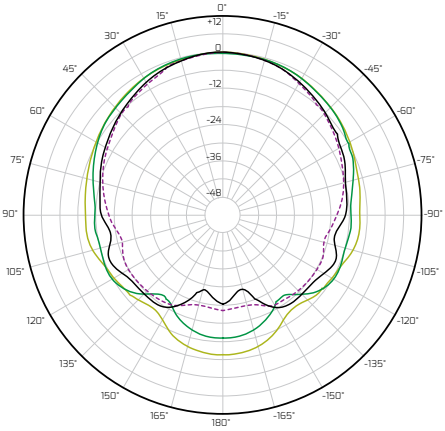
HORIZONTAL 1/3 OCTAVE POLARS



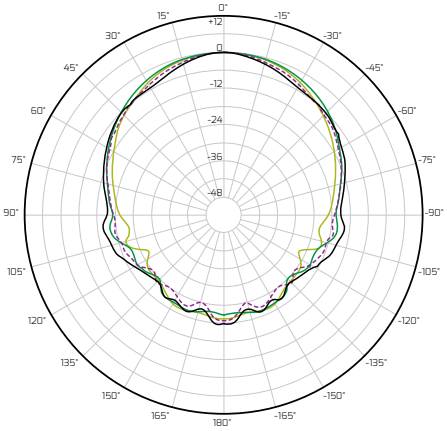
80 Hz
100 Hz
125 Hz
160 Hz



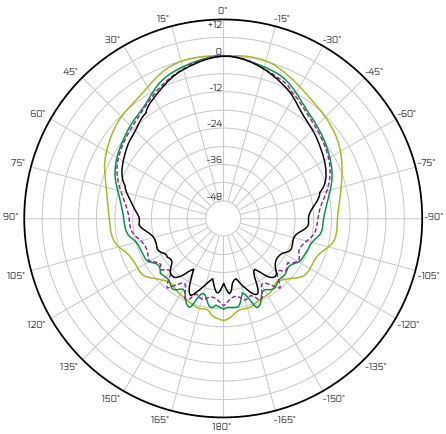
200 Hz
250 Hz
315 Hz
400 Hz



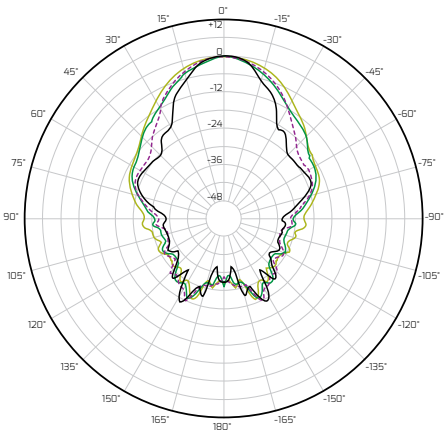
500 Hz
630 Hz
800 Hz
1000 Hz



1.25 kHz
1.6 kHz
2 kHz
2.5 kHz

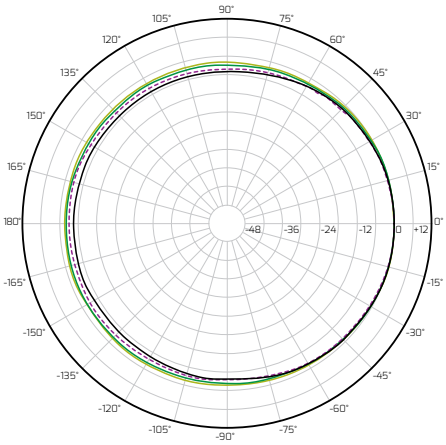


3.15 kHz
4 kHz
5 kHz
6.3 kHz



8 kHz
10 kHz
12.5 kHz
16 kHz

VERTICAL 1/3 OCTAVE POLARS



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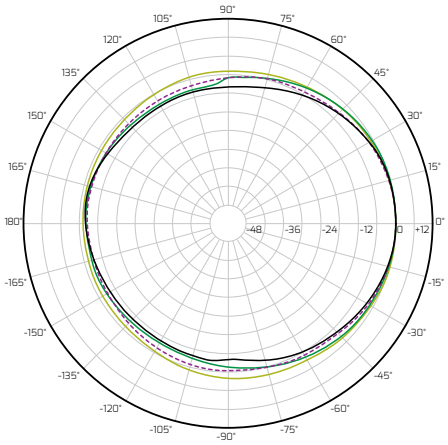

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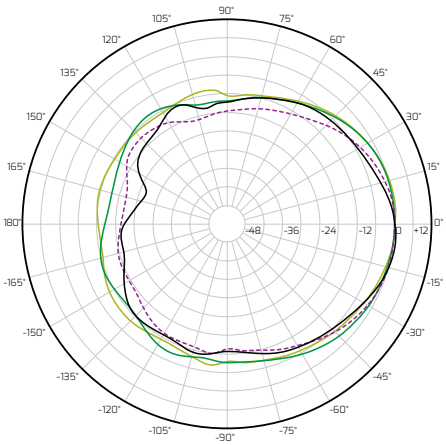

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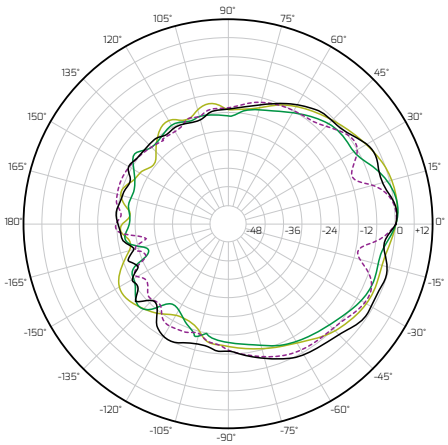

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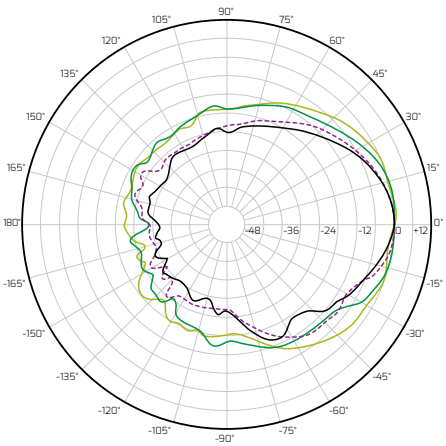

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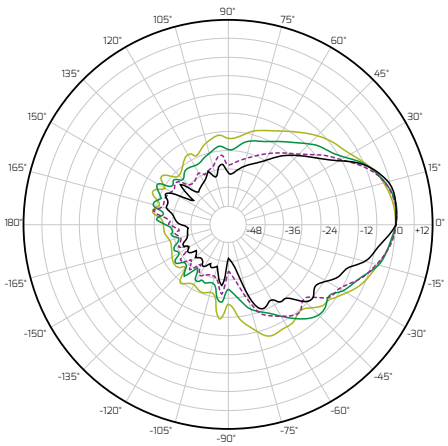

8 kHz
10 kHz
12.5 kHz
16 kHz

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