

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, **LUA15** 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 50 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.

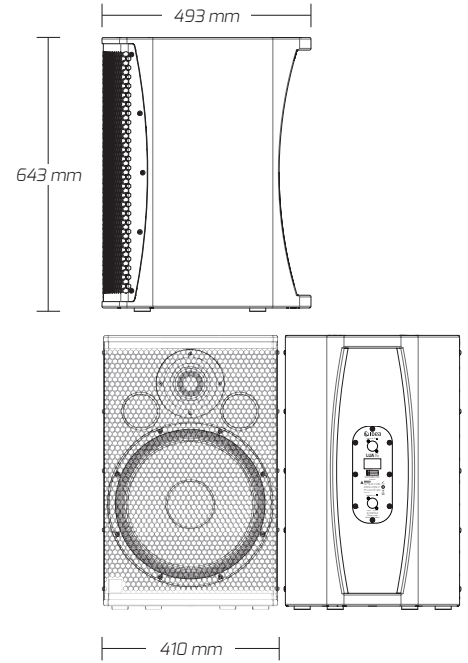
The curved-cabinet **LUA15** has been designed for easy and straightforward setup and installation with a bottom 35mm pole mount socket and 2xM8 inserts to use with the optional U-bracket. Wall-mounted in half space **LUA15** can also be used in fixed installations as full-range sound system (thanks to the dual front-firing ports) at BGM levels, or to be always surprisingly powerful in combination with **BASSO** subwoofers.

Although **LUA15** can perfectly work as standalone systems, the integration of LF reinforcement subwoofers clearly benefit the system performance. **LUA15** 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

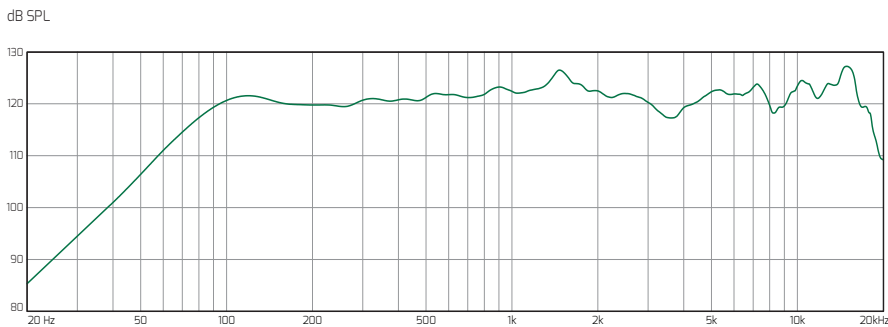
Enclosure design	Curved Cabinet - Bass-Reflex
LF Transducers	1 x 15" woofer
HF Transducers	1.75" Voice Coil Compression Driver (1.4 Exit, 120 mm magnet)
RMS Power Handling *	400 W
Nominal Impedance	8 Ohm
SPL (Continuous/Peak)	123/129 dB SPL
Frequency Range (-10 dB)	55 - 20000 Hz
Frequency Range (-3 dB)	78 - 18000 Hz
Coverage	80° Axisymmetric
Dimensions (WxHxD)	410 x 643 x 493 mm (16,1 x 25,3 x 19,4 inch)
Weight	23,9 kg (52,7 lbs)
Connectors	2 x Neutrik speakON® NL-4 in parallel
+/-1	Input
+/-2	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	Wall mount accessory (WM) 35 mm Pole (K&M-2133B) 35 mm Tripod (K&M-21302)



* IEC filtered pink noise with a 6dB crest factor, 2 hours

ACOUSTICAL MEASUREMENTS

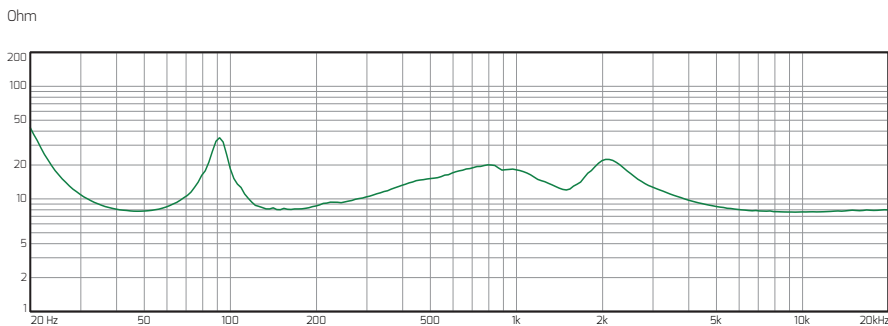
FREQUENCY RESPONSE



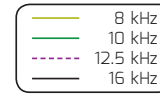
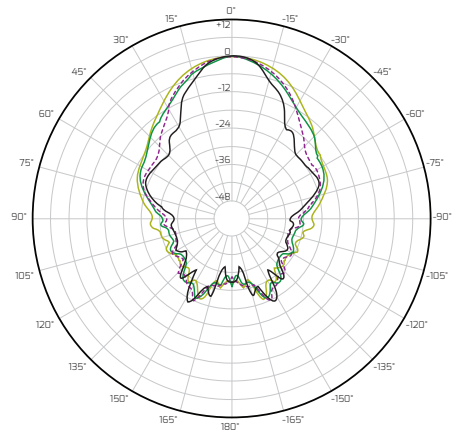
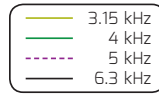
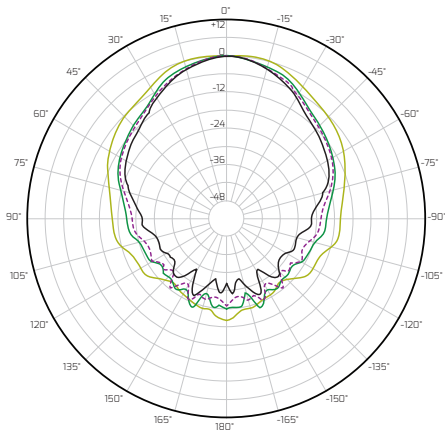
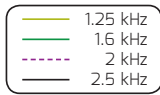
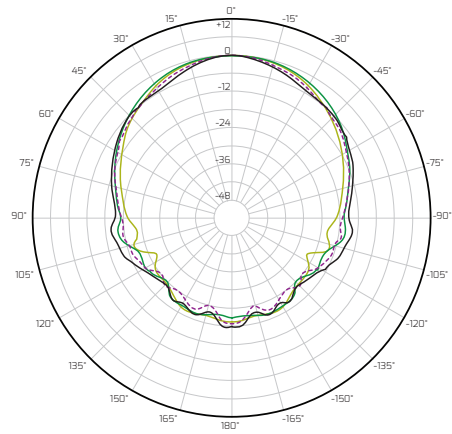
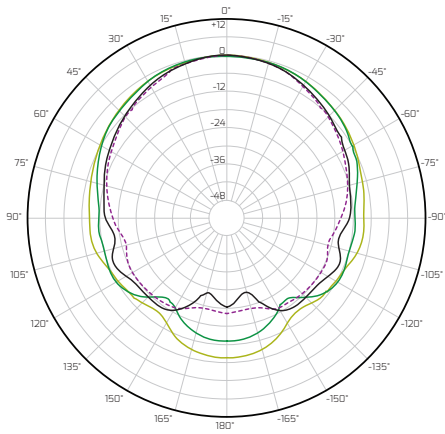
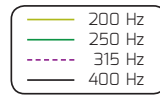
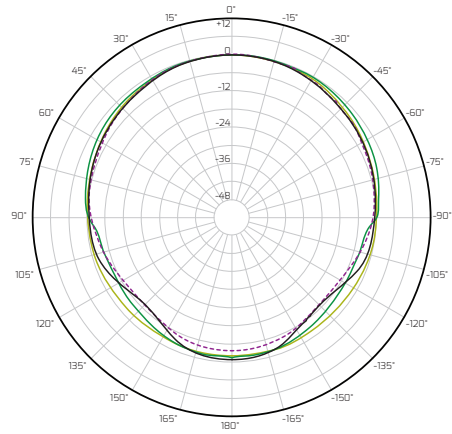
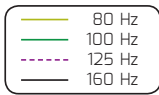
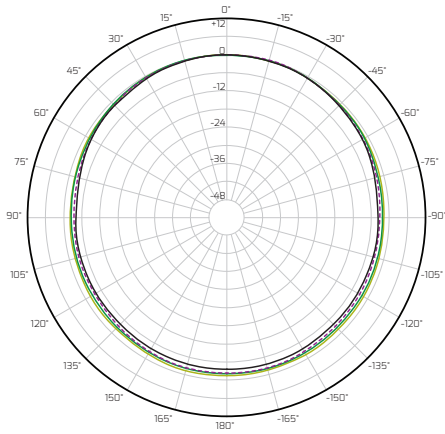
This graph shows the frequency response for a 1-watt swept sine signal in an anechoic environment (4pi), measured at 3 m and scaled down at 1 m.

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

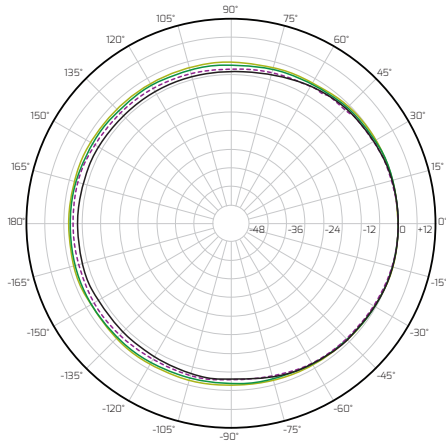
IMPEDANCE



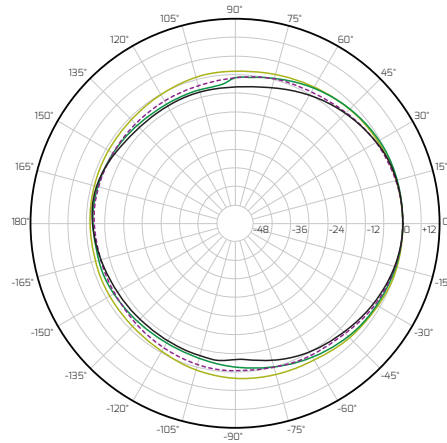
HORIZONTAL 1/3 OCTAVE POLARS



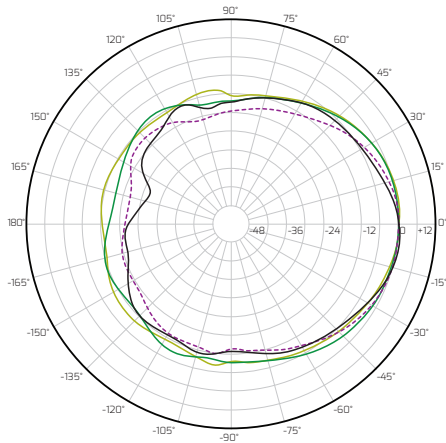
VERTICAL 1/3 OCTAVE POLARS



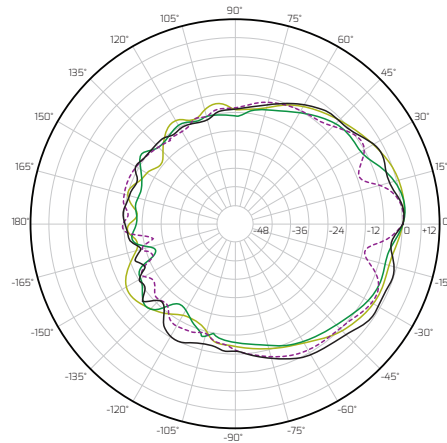
- 80 Hz
- 100 Hz
- - - 125 Hz
- 160 Hz



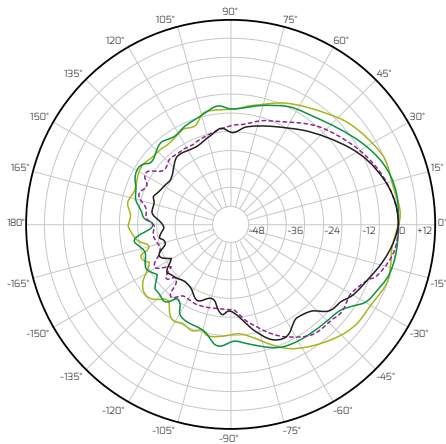
- 200 Hz
- 250 Hz
- - - 315 Hz
- 400 Hz



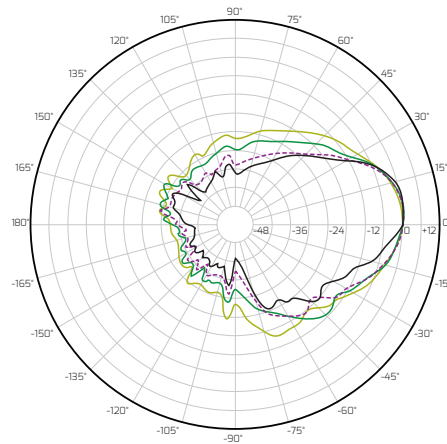
- 500 Hz
- 630 Hz
- - - 800 Hz
- 1000 Hz



- 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