KYRA12

Design column speaker 12 x 2"

Highlights:

- Multi-functional wall bracket allowing swiveling and down-tilting
- Slimline aluminum design
- 12 x 2" high-quality broadband speakers
- Multi-tapping 70V / 100V line transformer

The KYRA12 design column speaker consists of 12 x 2" high-quality aluminum cone full-range drivers, delivering extraordinary clarity and detailed sound. The overall continuous power handling reaches 120 Watt and the beamwidth of 174° x 9° (-6 dB avg 1 kHz - 4 kHz)* makes it the perfect match for acoustically difficult venues, reducing echo and microphone feedback which optimizes the speech intelligibility in reverberant venues.

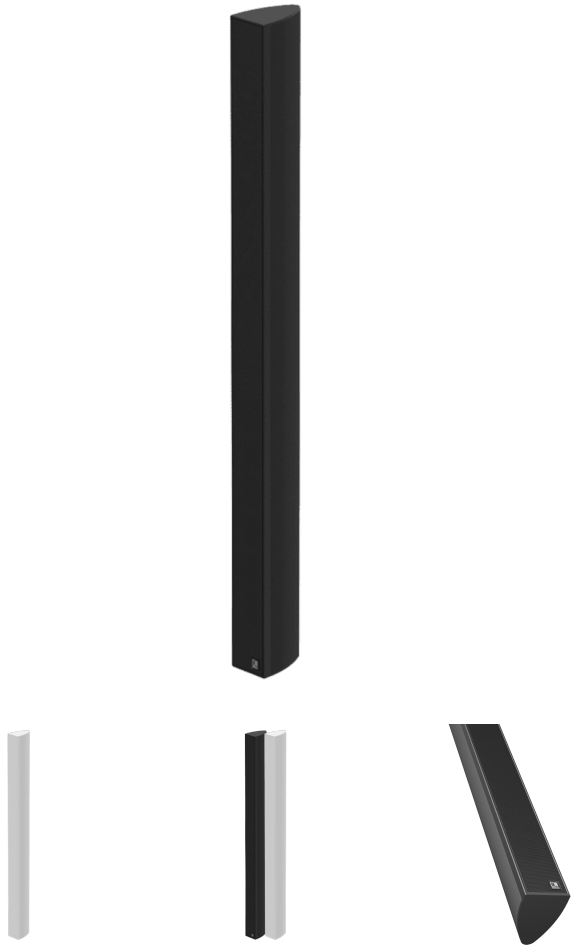
A multi-tapping line transformer allows it to be connected to 70V/100V public address systems with different power taps for 40W, 20W and 10W and/or low impedance (12Ω) systems.**

*Given dispersion values are the average beamwidth within the 1 kHz – 4 kHz frequency range (-6 dB - 1/3 oct), which are critical for the speech intelligibility in the main application field of these loudspeakers.

**Due to an optimized calibration, the KYRA12, compared to its predecessor the AXIR, will have a standard low impedance of 12 ohms instead of 6 ohms.

Applications:

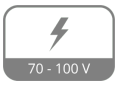
- Education
- Public facilities
- Corporate spaces
- Houses of worship
- Events



Impedance:



Voltage:



We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.

System specifications:

Speaker type		Broadband column
Program power handling		240 W
RMS/AES power handling		120 W
Impedance		12 Ω
Sensitivity (1W/1m)		92 dB
Sound Pressure (Max. W/1m)		113 dB
Frequency	Range (-10 dB)	120 Hz - 20 kHz
	Response (± 3 dB)	150 Hz - 20 kHz
Drivers		12 x 2"
Line Transformer Tappings	1	40 W - 125 Ω (70V)
	2	250 Ω - 100 V / 40 W - 70 V / 20 W
	3	500 Ω - 100 V / 20 W - 70 V / 10 W
	4	1000 Ω - 100 V / 10 W - 70 V / 5 W
Ingress Protection rating		IP3x
Temperature	Operating	-20 - +50 °C
Incline angle	Left	42°
	Right	42°
	Bottom	13°
Dispersion	Horizontal	174° (-6 dB avg 1 kHz - 4 kHz)
	Vertical	9° (-6 dB avg 1 kHz - 4 kHz)

Product Features:

Front finish		Steel grill
Construction		Aluminium with plastic side covers
Dimensions		70 x 1006 x 101 mm (W x H x D)
Colours		Black (KYRA12/B - RAL9005)
		White (KYRA12/W - RAL9003)
Accessories	Included	2-way Revolving mounting bracket
		1 x 3-pin Euro Terminal Block Input connectors

Variants:

- KYRA12/B - Black version
- KYRA12/W - White version

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Architects' and Engineers' Specifications:

The loudspeaker must be a surface-mount column type, consisting of 12 x 2" aluminum cone full-range drivers, which are fitted inside a slim and elegant designed enclosure.

It shall be fitted with a multi-tapping line transformer allowing the speaker for being used in 70/100V public address systems or standard low impedance (12Ω) audio systems. It must have an RMS power handling of 60 Watt with a maximum power handling of 120 Watt and the frequency response (±3 dB) should range from 150 Hz to 20 kHz. The sensitivity must reach 92 dB when measured with an input signal of 1 Watt at a distance of 1 meter, while a maximum continuous sound pressure level of 113 dB should be reached. The nominal dispersion shall be a 260° horizontal and 90° vertical coverage pattern at -6dB (average 100 Hz - 10 kHz).

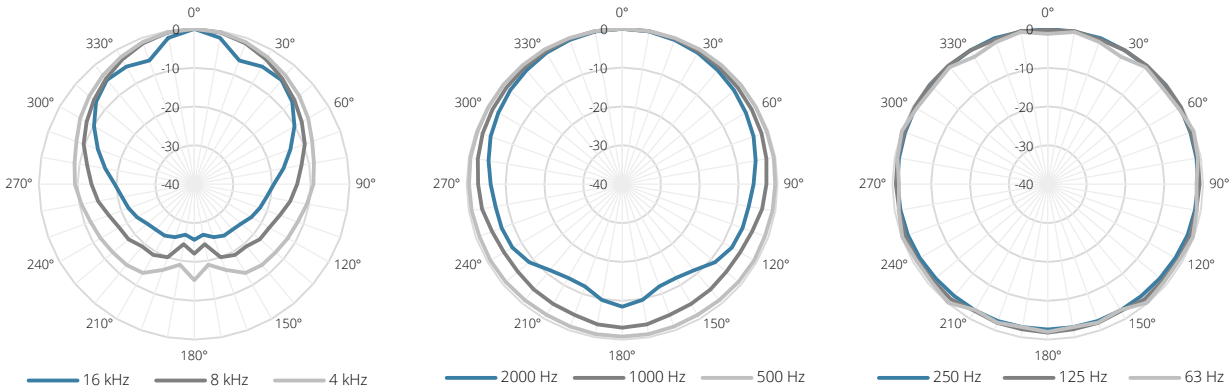
The line transformer power taps shall be selectable through a rotary selector switch on the rear side of the speaker and adjustable in steps of 40W, 20W and 10W for 70/100V (a 5W tapping is available for 70V use). Fast and reliable connections shall be possible through a 3-pin terminal block connector.

The speakers' enclosure shall be constructed of high-quality aluminum materials with a fine perforated steel grill front finishing which comes available in both white (RAL9003) and black (RAL9005) colors. Optimal directional placement shall be possible through the included multi-functional wall bracket allowing side swivelling over a range of 0° to 42° in both directions and down tilting with an angle up to 13°. The speakers' enclosure shall be 1008 mm high, 70 mm wide and 147 mm deep (including the height of the mounting bracket) and the weight shall not exceed 4.3 Kg.

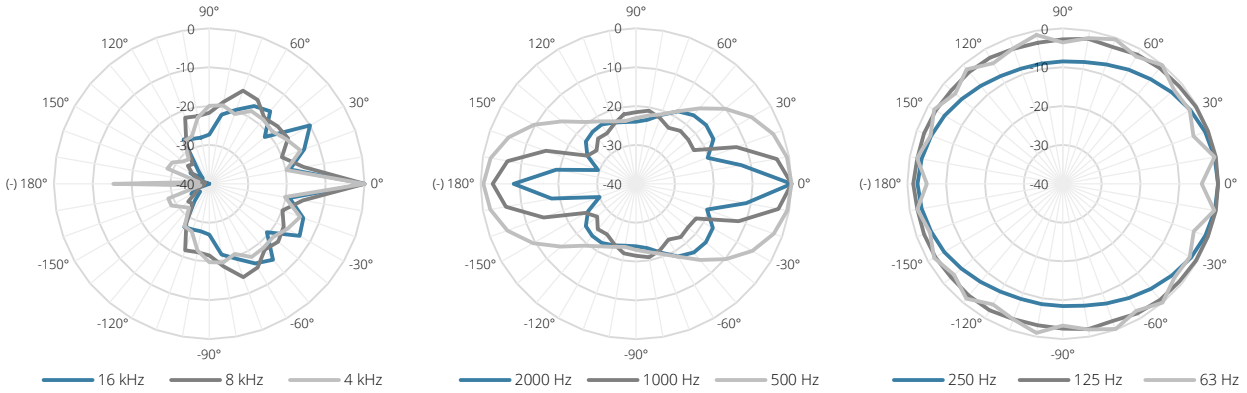
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Acoustical data graphs:

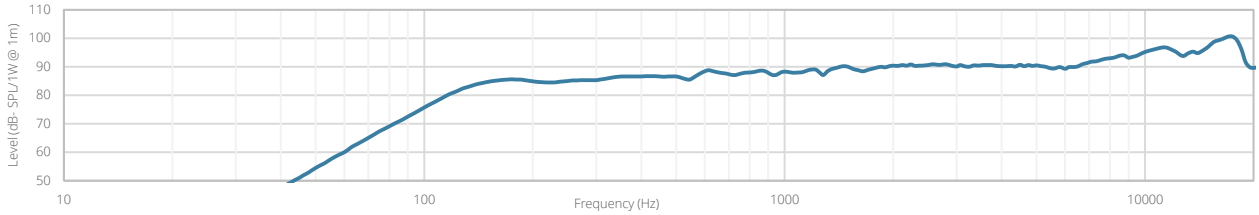
Horizontal Polars:



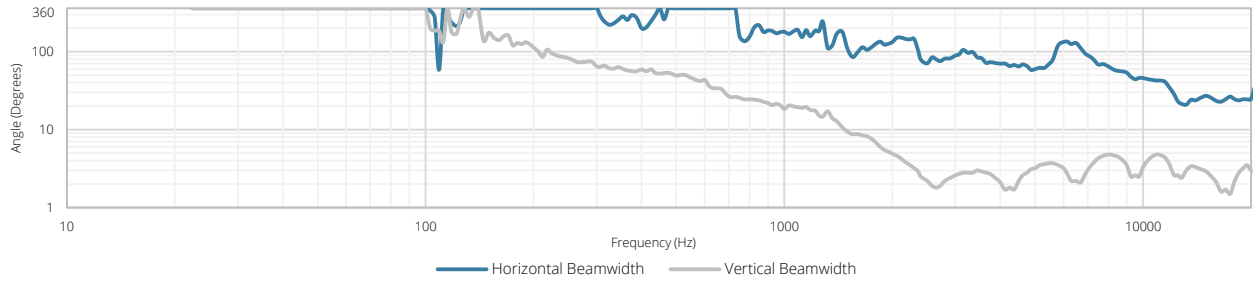
Vertical Polars:



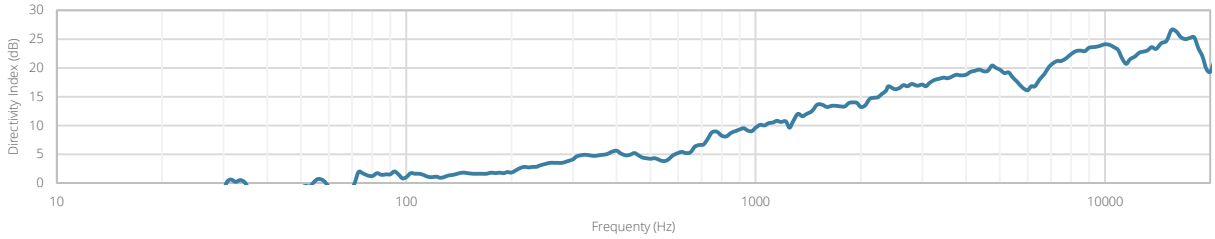
Sensitivity:



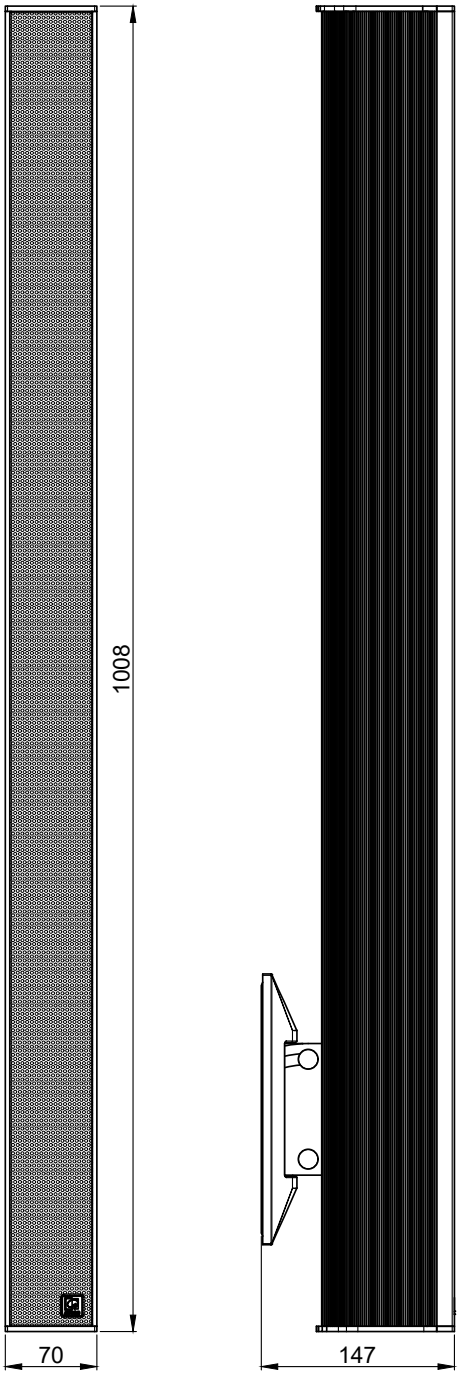
Beamwidth (-3dB):

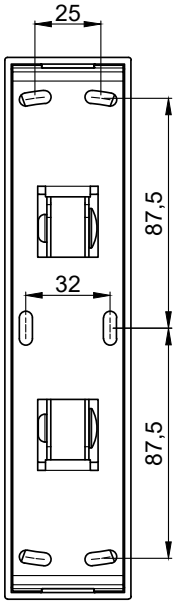


Directivity index:



Technical drawings:





AUDAC	**KYRA12**	**Product description:** DESIGN COLUMN SPEAKER 120W - 70V/100V & 12 OHM
	Weight: 4,3 kg	**Outer dimensions:** (w x h x d) 70 x 1008 x 147
		Unit height: N/A

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