

# 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

## Product information:

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.

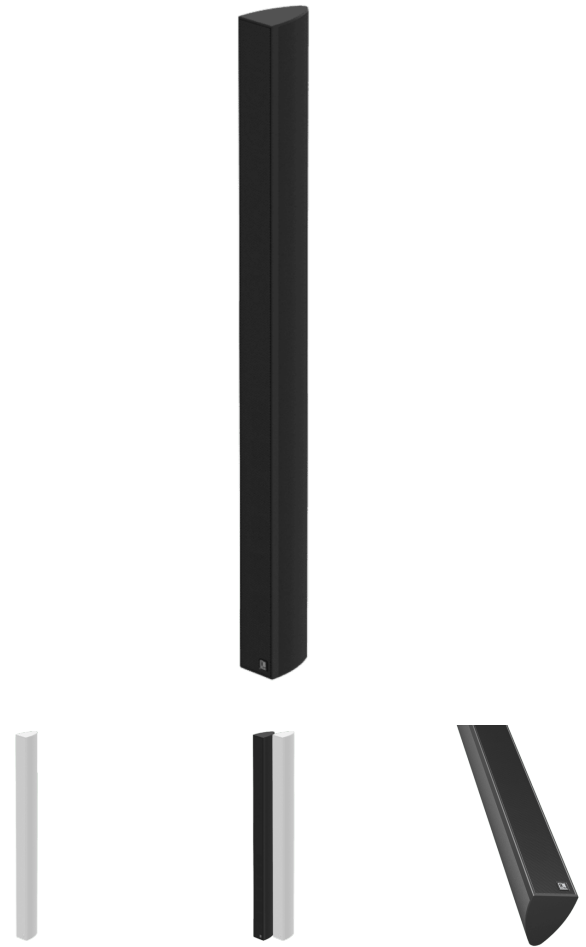
A multi-tapping line transformer allows it to be connected to 70V/100V public address systems with different power taps for 40W, 20W and 10W and/or low impedance (12Ω) systems.\*\*

\*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
- Corporate
- Houses of worship
- Events



## Impedance:

Ω 12 Ohm

## Voltage:

⚡ 70-100 Volt

## System specifications:

Speaker type		Broadband column
Peak power handling		480 W
Program power handling		240 W
RMS/AES power handling		120 W
Impedance		12 $\Omega$
Sensitivity (1W/1m)		92 dB
Sound Pressure (Max. W/1m)		113 dB
Frequency	Range (-10 dB)	120 Hz - 20 kHz
	Response ( $\pm$ 3 dB)	150 Hz - 20 kHz
Drivers		12 x 2"
Line Transformer Tappings	1	40 W - 125 $\Omega$ (70V)
	2	250 $\Omega$ - 100 V / 40 W - 70 V / 20 W
	3	500 $\Omega$ - 100 V / 20 W - 70 V / 10 W
	4	1000 $\Omega$ - 100 V / 10 W - 70 V / 5 W
Ingress Protection rating		IP3x
Temperature	Operating	-20 - +50 $^{\circ}$ C
Incline angle	Left	42 $^{\circ}$
	Right	42 $^{\circ}$
	Bottom	13 $^{\circ}$
Dispersion	Horizontal	174 $^{\circ}$ (-6 dB avg 1 kHz - 4 kHz)
	Vertical	9 $^{\circ}$ (-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:

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

## Architects' and Engineers' Specifications:

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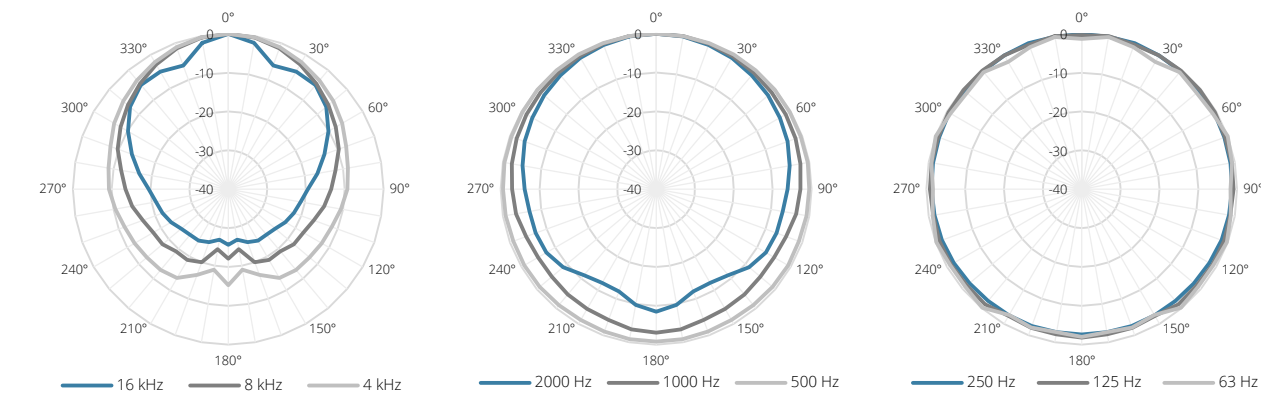
The loudspeaker must be a surface-mount column type, consisting of 12 x 2" aluminum cone full-range drivers, which are fitted inside a slim and elegant designed enclosure.

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 ( $\pm 3$  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).

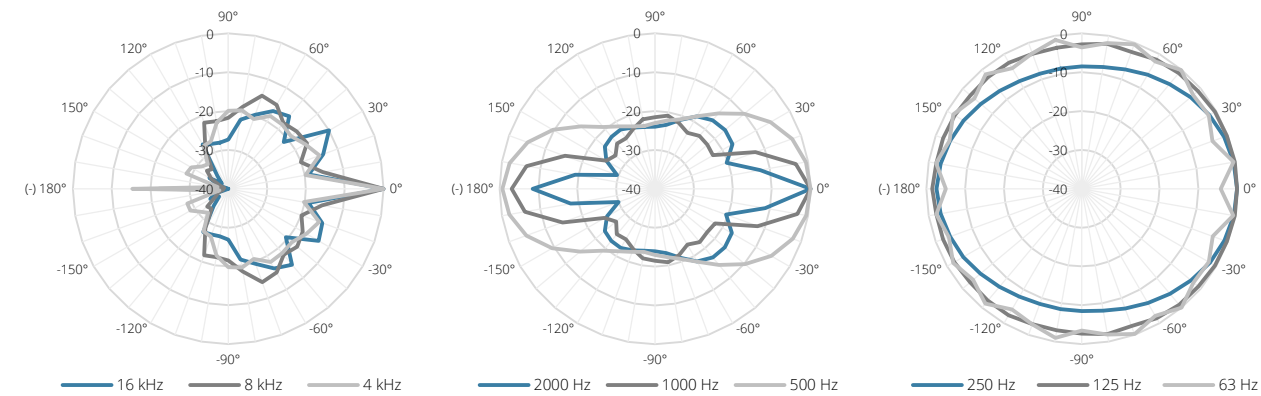
The line transformer power taps shall be selectable through a rotary selector switch on the rear side of the speaker and adjustable in steps of 40W, 20W and 10W for 70/100V (a 5W tapping is available for 70V use). Fast and reliable connections shall be possible through a 3-pin terminal block connector.

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.

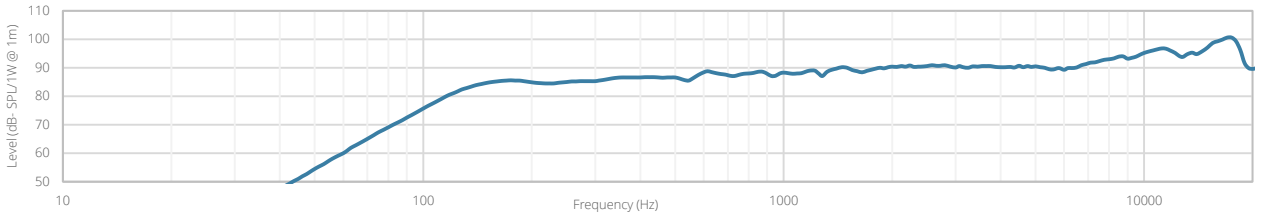
Horizontal Polars:



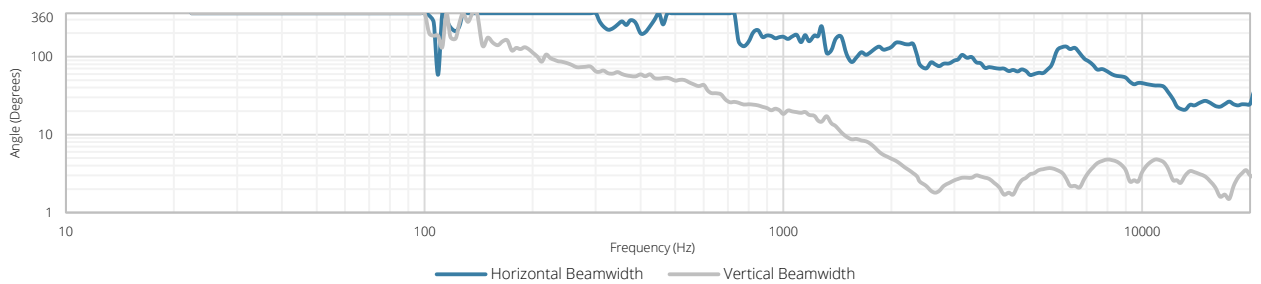
Vertical Polars:



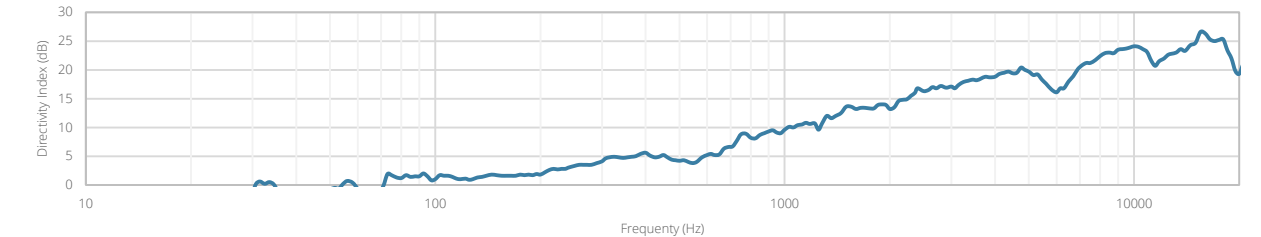
Sensitivity:

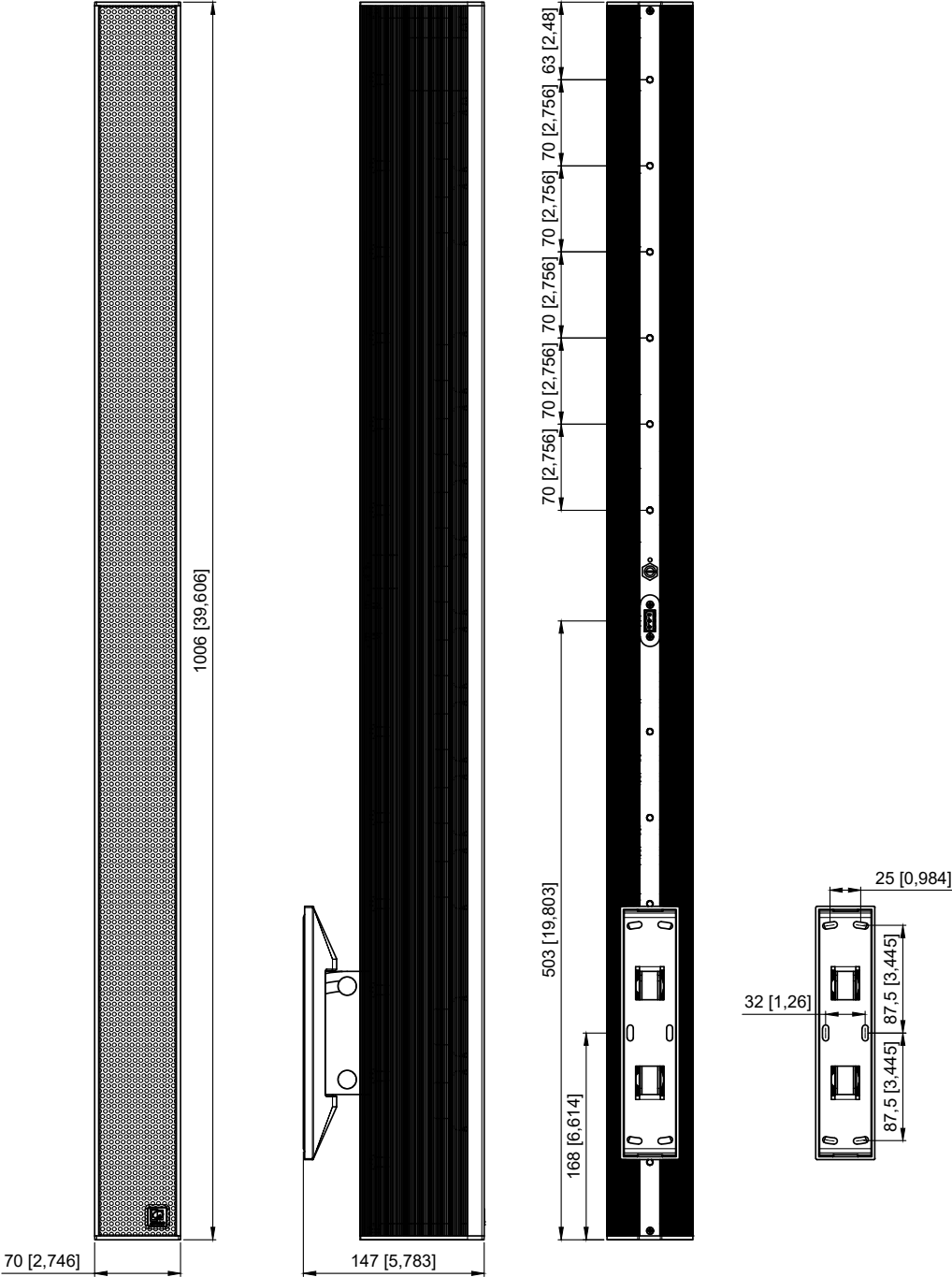



Beamwidth (-3dB):



Directivity index:





	<b>KYRA12</b>		<b>Product description</b> DESIGN COLUMN SPEAKER 120W - 70V/100V & 12 OHM		
	MM [INCH]	Scale 1 : 5	Outer dimensions (w x h x d) 70 x 1006 x 147 mm 2,746 x 39,606 x 5,783 "	Unit height N/A	Weight 4,05 kg 8,93 lbs