



# KYRA12\_O

Outdoor design column speaker 12 x 2"

## Highlights:

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- IP55 Ingress protection
- AWX5™ waterproof connector
- 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.\*\*

To guarantee the optimal performance and long term reliability in outdoor circumstances, various specific features are provided. The connection of the loudspeaker is performed using a waterproof rotatable AWX-5 connector whereby the desired power tap can be selected depending on the rotation of the connector. Secondly, the 12 drivers receive a special coating to protect them from the elements while an acoustically transparent and water-repellent cloth driver keeps penetrating water at a safe distance.

Further added reliability is achieved by using an aluminum front grill and a stainless steel mounting bracket. Together, these improvements result in a weatherproof IP55 column speaker of exceptional quality and design!

\*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:

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



## Impedance:

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## Voltage:

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## System specifications:

Speaker type		Broadband column
Max. Power		240 W
RMS Power		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
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
Ingress Protection rating		IP55
Temperature	Operating	-20 - +50 $^{\circ}$ C
Incline angle	Bottom	13 $^{\circ}$
	Left	42 $^{\circ}$
	Right	42 $^{\circ}$
Connectors		Waterproof AWX-5 connector
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		Aluminium grill
Construction		Aluminium with plastic side covers
Dimensions		70 x 1006 x 101 mm (W x H x D)
Colours		Black (KYRA12/OB - RAL9005)
		White (KYRA12/OW - RAL9003)
Accessories	Included	2-way Revolving mounting bracket
		5-pin AWX5 connection cable

## Variants:

- KYRA12/OB - Outdoor black version
- KYRA12/OW - Outdoor 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.

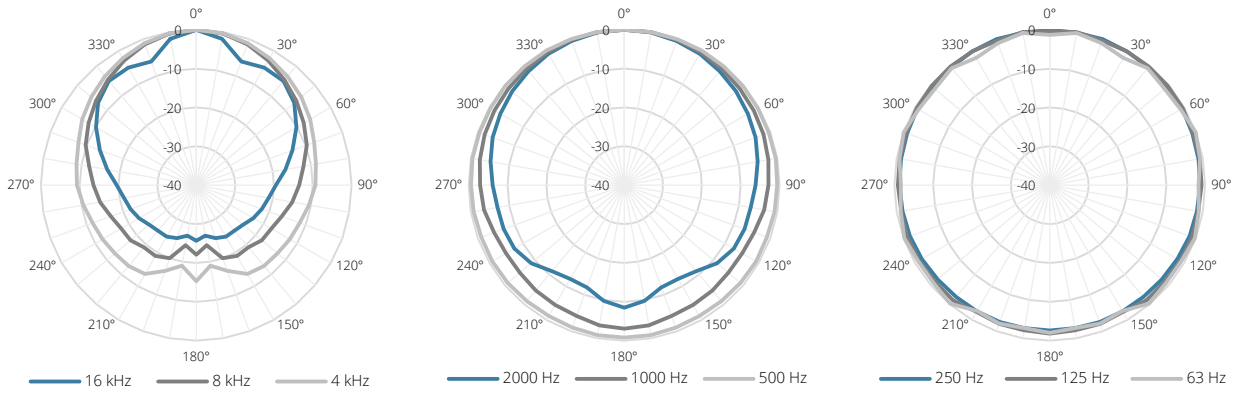
It shall be fitted with a multi-tapping line transformer allowing the speaker for being used in 70/100V public address systems or standard low impedance (12 $\Omega$ ) audio systems. It must have an RMS power handling of 60 Watt with a maximum power handling of 120 Watt and the frequency response ( $\pm 3$  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 174° horizontal and 9° vertical coverage pattern (-6 dB avg 1 kHz - 4 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.

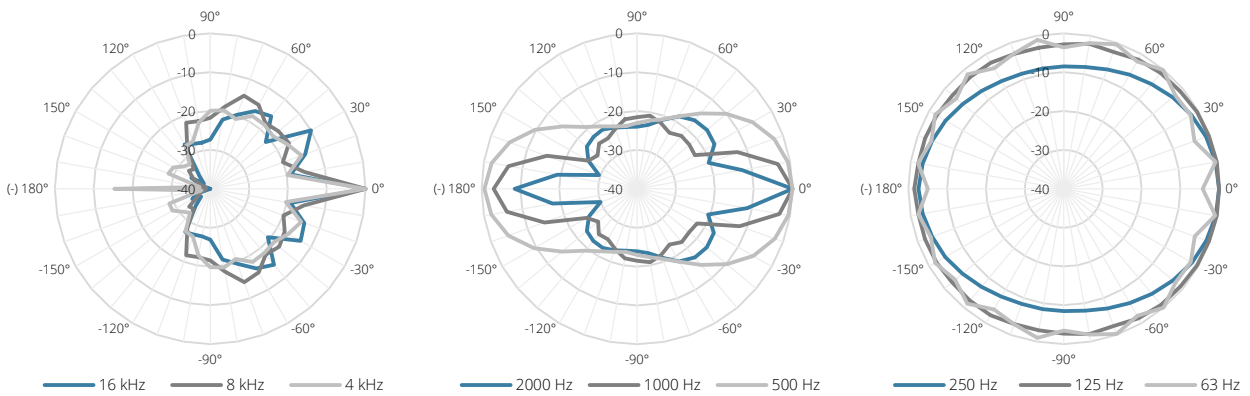
The speakers' enclosure shall be constructed of high-quality aluminum materials with a fine perforated steel grill front finishing which comes available in both white (RAL9003) and black (RAL9005) colors. Optimal directional placement shall be possible through the included multi-functional wall bracket 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.

# Acoustical data graphs:

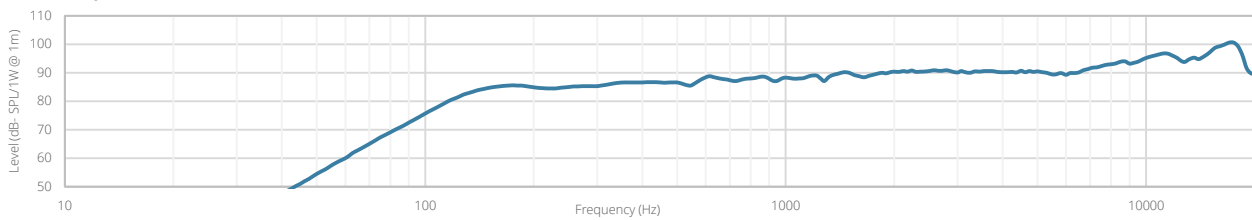
## Horizontal Polars:



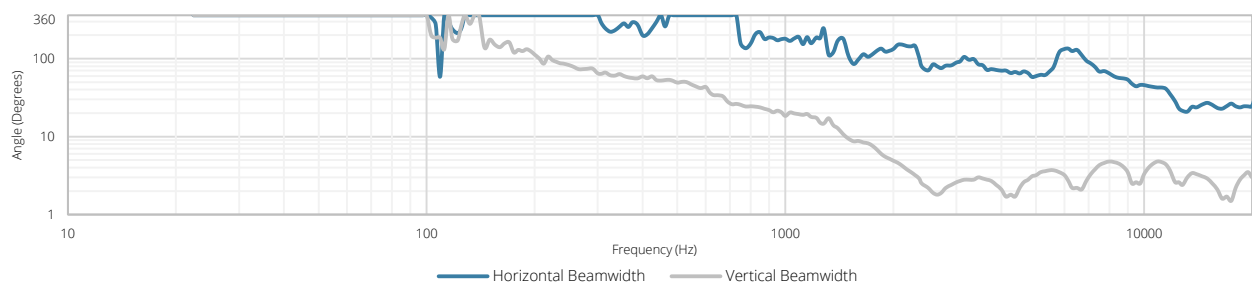
## Vertical Polars:



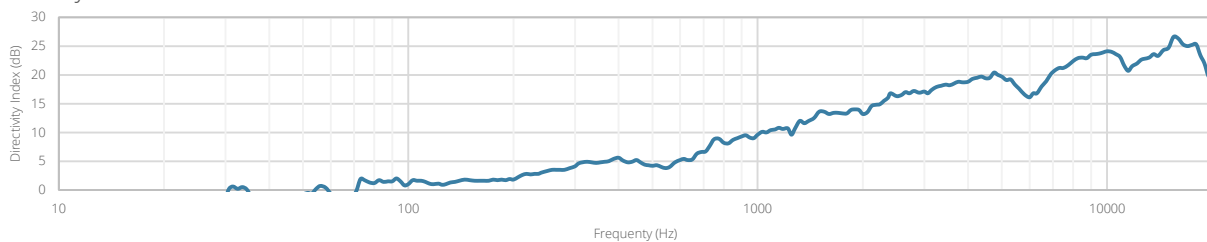
## Sensitivity:

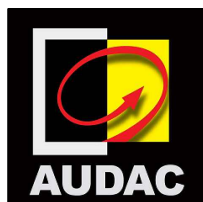
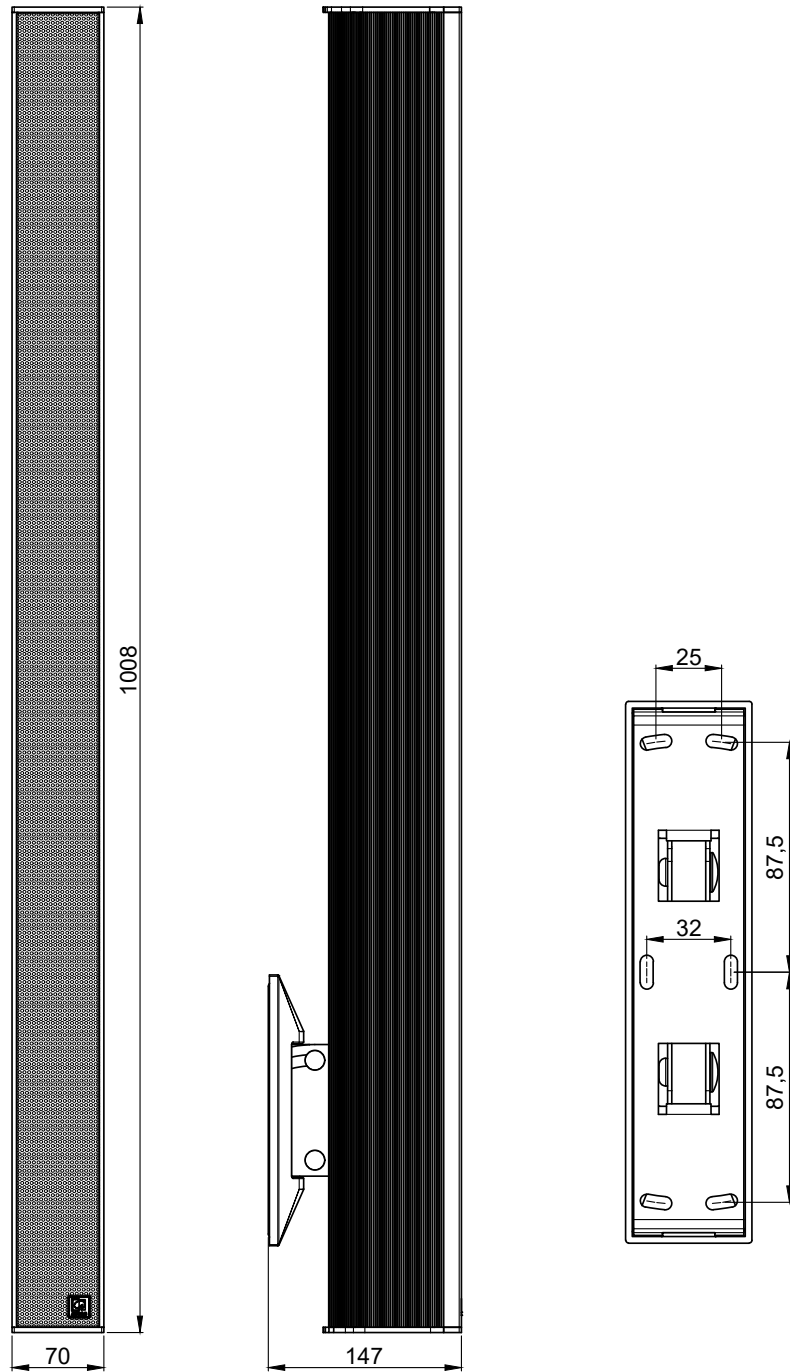


## Beamwidth (-3dB):



## Directivity index:





**KYRA12/O**

**Product description:**

DESIGN OUTDOOR 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