

MIA-82

COMMERCIAL LOUDSPEAKERS

Slim Compact Column Loudspeaker



PRODUCT OVERVIEW

MIA-82 is a an elegant, unique a compact design column loudspeaker, built in a single aluminium piece to avoid vibrations and mechanical stress. MIA-82 includes 8x2.5" drivers with an RMS rating of 150W and behave as a mini line array with the disposition of 8 drivers per column and the possibility of working in 16 Ω or 64 Ω by selecting them behind the logo without the need to remove the grille.

MIA-82 is available in black and white colour, is IP44 graded ready for outdoor applications. As a highlight, it includes the HANDY wall-mount incredibly versatile smart pan and tilt bracket made out of stainless-steel permits adjusting the height at any point of the length of the column.

KEY FEATURES

- Column passive loudspeaker for surface mounting.
- 8x2.5" woofers Mini In-line Array.
- Possibility of working in 16 Ω or 64 Ω by selecting them behind the logo without the need to remove the grille.
- Aluminium one-piece non resonant compact enclosure.
- Stack Output.
- HANDY wall-mount versatile pan and tilt bracket included. Made out of stainless-steel that permits adjusting the height at any point of the length of the column.
- Weather-protected with an IP44 rating.
- Available in black and white.
- [EASE files available.](#)



APPLICATIONS

- Retail
- Education
- Corporate
- Leisure
- Sports & Wellness
- Hospitality

TECHNICAL SPECIFICATIONS

MIA-82

| SYSTEM | |
|------------------------------------|--|
| Effective Freq. Range ¹ | 165Hz-20kHz (-10dB) |
| Coverage angle ² | 165° x 41° (HxV) |
| Power handling | 150 W RMS / 600 W Peak |
| Sensitivity ³ | 105 dB (1W/1m) |
| Maximum SPL ⁴ | 127 dB continuous / 133 dB peak |
| Recommended amplifier power | 300W RMS |
| TRANSDUCERS | |
| Ways | 1-way full range |
| Driver | 8 x 2.5" Loudspeaker |
| Nominal impedance | 16Ω / 64Ω |
| PHYSICAL | |
| Connection type | Double INPUT/LINK connector, Euroblock type |
| Power type selector | Front selection by toggle switch |
| Installation options | Surface / Wall mounting |
| Environmental | IP44 |
| Enclosure material | Aluminium |
| Grille material | Aluminium |
| Grille fixing system | Side Insertion mount system |
| Mounting system | Stainless Steel Wall Bracket |
| Operating temperature | Min: 0°C ; 32°F Max: 35°C ; 95°F |
| Operating humidity | <85% HR |
| Storage temperature | Min: -10°C ; 14°F Max: 50°C ; 122°F |
| Storage humidity | <90% HR |
| Included accessories | HANDY wall-mount bracket, 2x Euroblock connector |
| Finished colour | White (RAL9003) or Black (RAL9005) |
| Dimensions (WxHxD) | 83 x 648 x 87 mm / 3.27 x 25.51 x 3.43 in. |
| Weight | 2.65 kg / 5.84 lb |
| Pieces per box | 1 |
| Shipping dimensions (WxHxD) | 135 x 920 x 160 mm / 5.31 x 36.22 x 6.30 in. |
| Shipping weight | 3.45 kg / 7.61 lb |

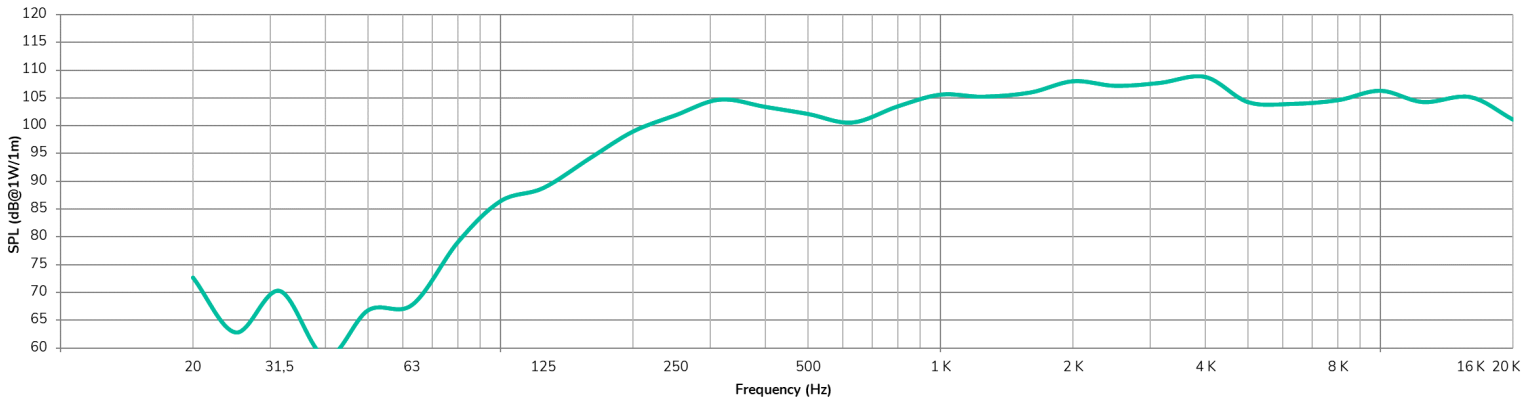
¹ below the sound pressure level at specified sensitivity

² 6dB below the sound pressure level than that at the direction of maximum level, Max. angle between 1 kHz and 4 kHz.

³ Measured on-axis, far field and referenced to 1 meter by inverse square law. Average from 100 Hz to 10 kHz.

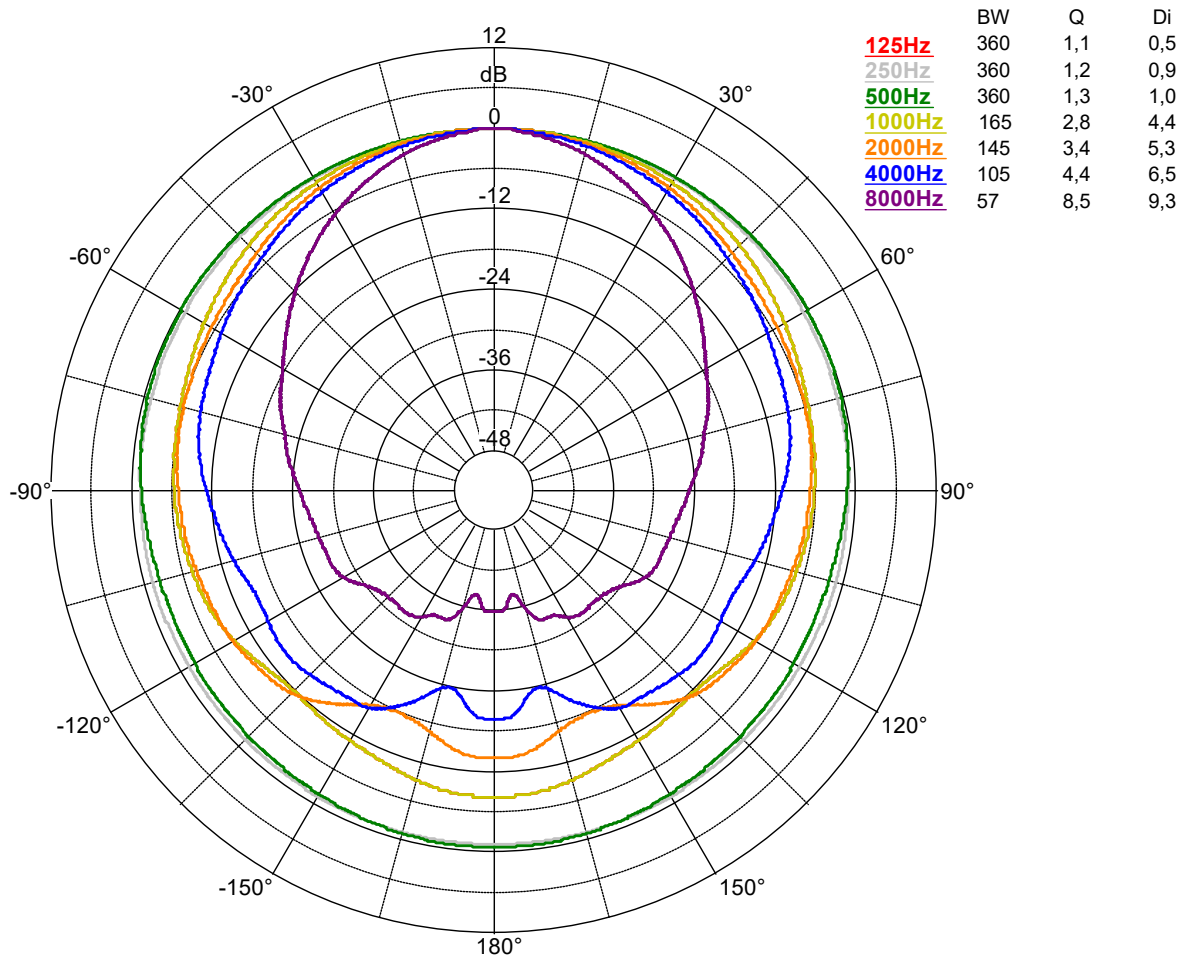
⁴ Calculated from sensitivity and power handling specifications, exclusive of power compression

FREQUENCY RESPONSE ON-AXIS

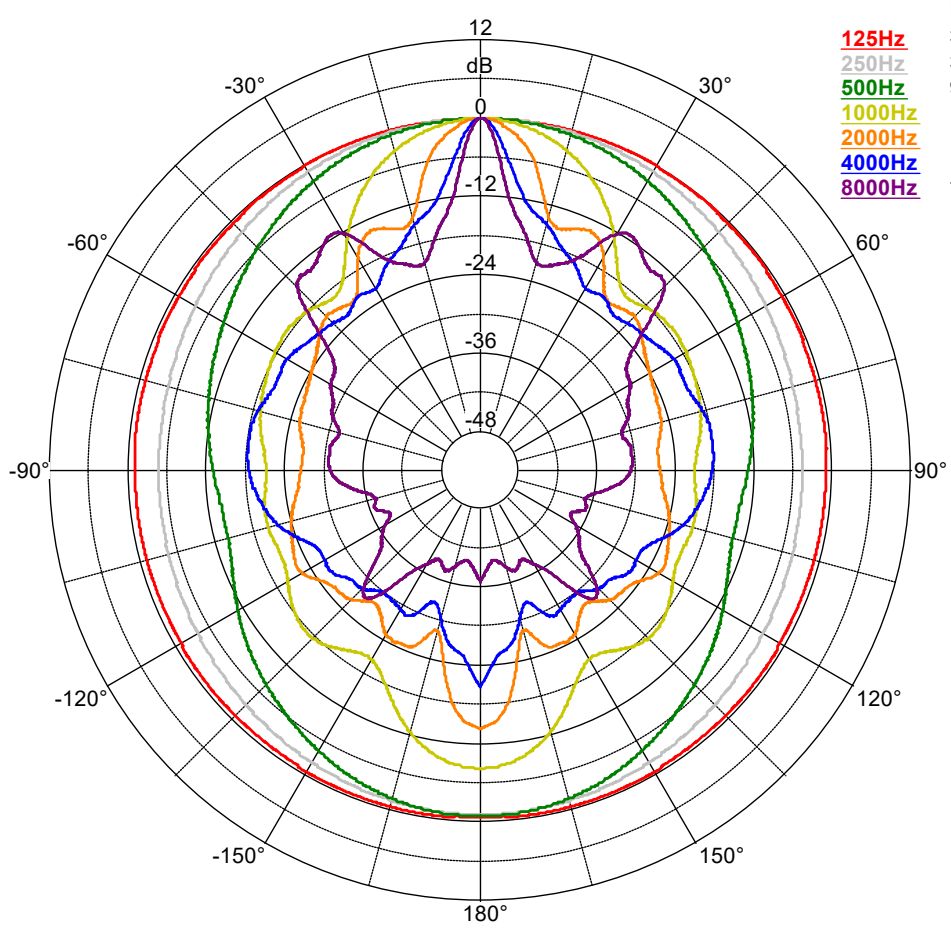


POLAR DIAGRAMS

HORIZONTAL



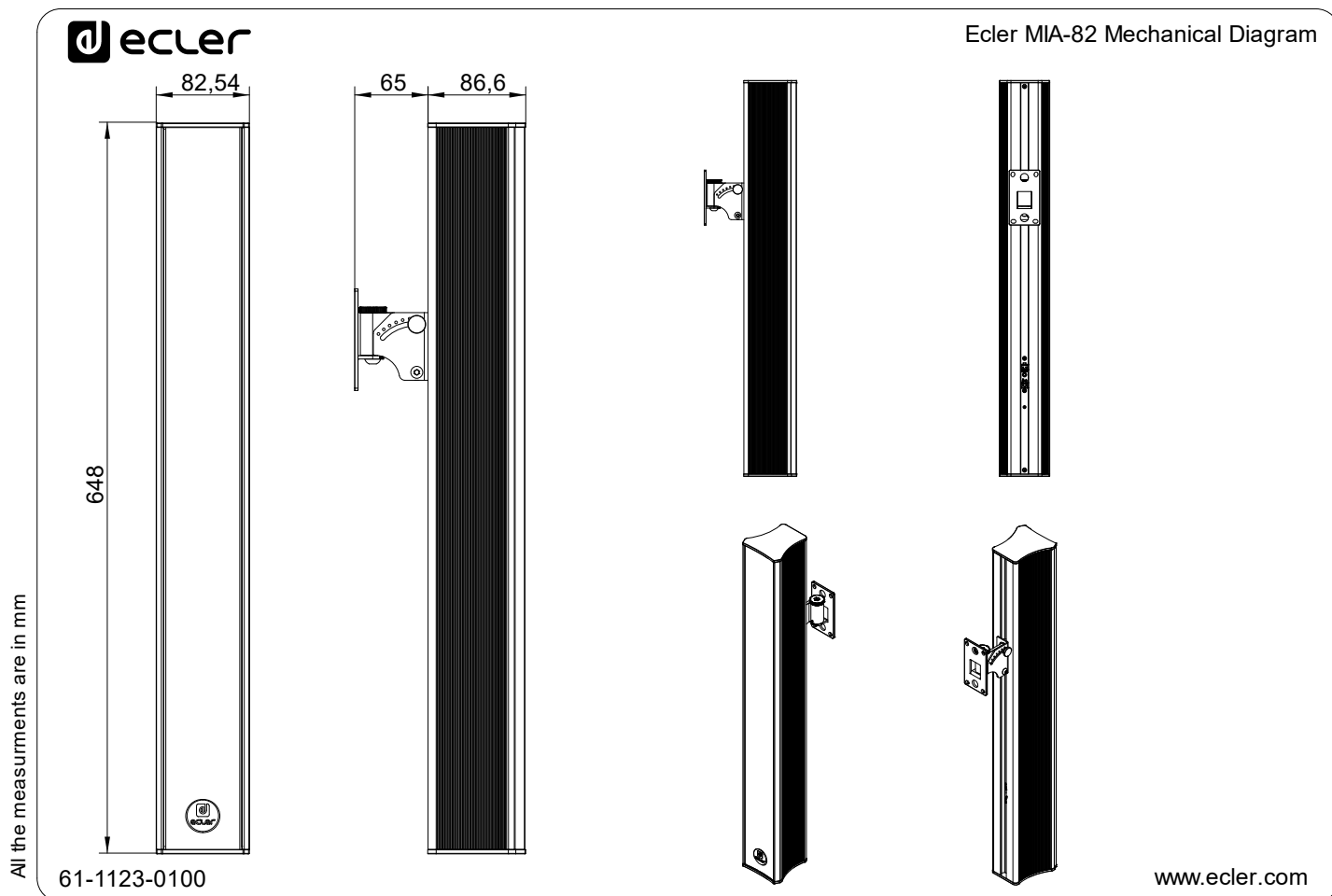
VERTICAL



| | BW | Q | Di |
|---------------|-----|------|------|
| 125Hz | 360 | 1,2 | 0,7 |
| 250Hz | 360 | 1,8 | 2,5 |
| 500Hz | 93 | 2,9 | 4,7 |
| 1000Hz | 41 | 9,7 | 9,9 |
| 2000Hz | 18 | 21,2 | 13,3 |
| 4000Hz | 10 | 35,3 | 15,5 |
| 8000Hz | 7 | 44,9 | 16,5 |

MECHANICAL DIAGRAM

All the measurements are in mm.



A&E SPECIFICATIONS

The loudspeaker shall be a 1-way full range surface mount column loudspeaker cabinet, incorporating 8x2.5" drivers. It shall have a power handling of 150 W RMS with a peak power handling of 600 W and the effective frequency range (± 10 dB) shall be from 165 Hz to 20 kHz. The sensitivity shall be 105 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 127 dB.

The coverage angle shall be $165^\circ \times 41^\circ$ (HxV). The loudspeaker shall have a switch located behind the logo, which allows to modify its impedance between 16Ω or 64Ω without removing the aluminium front grille. It shall have a non-resonant enclosure constructed out of a single aluminium piece. It shall be IP44 rated and shall be able to install outdoors.

The front finishing shall be made with an overlapping front aluminium grill with a rotatable logo, giving a slim and elegant impression. It shall include the HANDY wall-mount versatile pan and tilt bracket made out of stainless-steel that permits adjusting the height at any point of the length of the column, and 2x Euroblock connectors.

The column enclosure shall be 83 mm wide, 648 mm high and 87 mm deep and the weight shall not exceed 2.65 Kg.

The loudspeaker shall be the ECLER MIA-82.



All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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