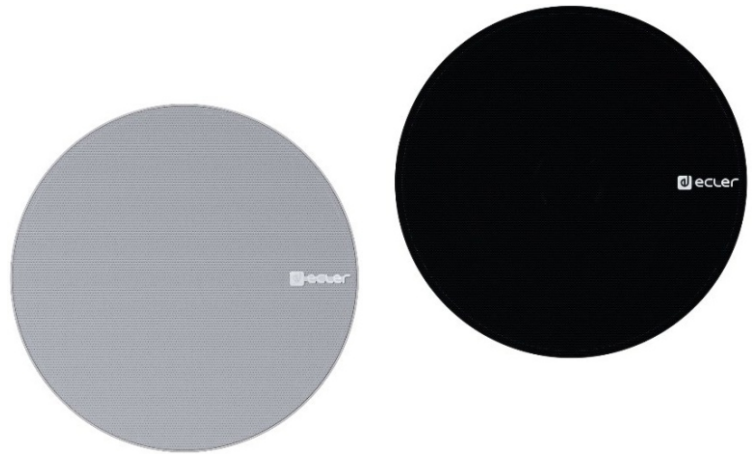


IC6i

CEILING LOUDSPEAKERS -

In ceiling / In-wall Loudspeaker



PRODUCT OVERVIEW

IC6i 2-way loudspeaker is the perfect option for 70/100 V and low impedance sound solutions. It mounts a 6.5" woofer and a 1" tweeter in a discreet design. IC series provides excellent sound quality thanks to their infinite baffle philosophy and a top-performance high frequency transducer.

KEYFEATURES

- Two-way ABS speaker, 40 WRMS.
- 6.5" woofer / 1" tweeter.
- Built-in audio transformer for 70/100 V use.
- Polypropylene woofer that resists heat and humidity.
- Frameless Magnetic grill.
- Front grill may be removed for painting.
- The Ecler logo is removable.
- Clip-type input terminals and low impedance / high impedance power tap selector.
- Cutting template included.
- Support system with 3 rotating tabs.
- Available in black (RAL9005) or white (RAL9003) finish.
- EASE files available.



APPLICATIONS

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

ACCESSORIES AND COMPATIBLE PRODUCTS

- IC-TB6



TECHNICAL SPECIFICATIONS

IC6i

SYSTEM	
Effective Freq. Range ¹	75Hz-20kHz (-10dB)
Coverage angle ²	163° conical
Power handling	40W RMS / 160W Peak
Sensitivity ³	93dB (1W/1m)
Maximum SPL ⁴	109dB continuous / 115dB peak
Power options	100V: 2.5 / 5 / 7.5 / 15W 70V: 1.25 / 2.5 / 3.75 / 7.5W
Recommended amplifier power	80 W RMS
TRANSDUCERS	
Ways	2-ways full range
Low frequency driver	6.5" Woofer
High frequency driver	1" Tweeter
Nominal impedance	8Ω
PHYSICAL	
Connection type	Clip-Type input terminals
Installation options	In-ceiling / In-wall
Enclosure material	ABS plastic
Grille material	Iron
Grille fixing system	Magnets
Mounting system	3 rotating tabs
Operating temperature	Min: -20°C ; -4°F Max: 70°C ; 158°F
Operating humidity	<85% HR
Storage temperature	Min: -20°C ; -4°F Max: 70°C ; 158°F
Storage humidity	<90% HR
External diameter	213 mm / 8.39 in.
Internal diameter	205 mm / 8.07 in.
Recommended cut out diameter	180 mm / 7.09 in.
Required depth	>73 mm / >2.87 in.
Included accessories	Cutting template
Optional Accessories	Ecler IC- TB6
Finished colour	White (RAL 9003) / Black (RAL 9005)
Dimensions (WxHxD)	213 x 213 x 72 mm. / 8.39 x 8.39 x 2.83 in.
Weight	1.6 Kg / 3.53 lb
Pieces per box	2
Shipping dimensions (WxHxD)	265x260x255 mm. / 10.43x10.24x10.04 in.
Shipping weight	4 kg / 8.82 lb

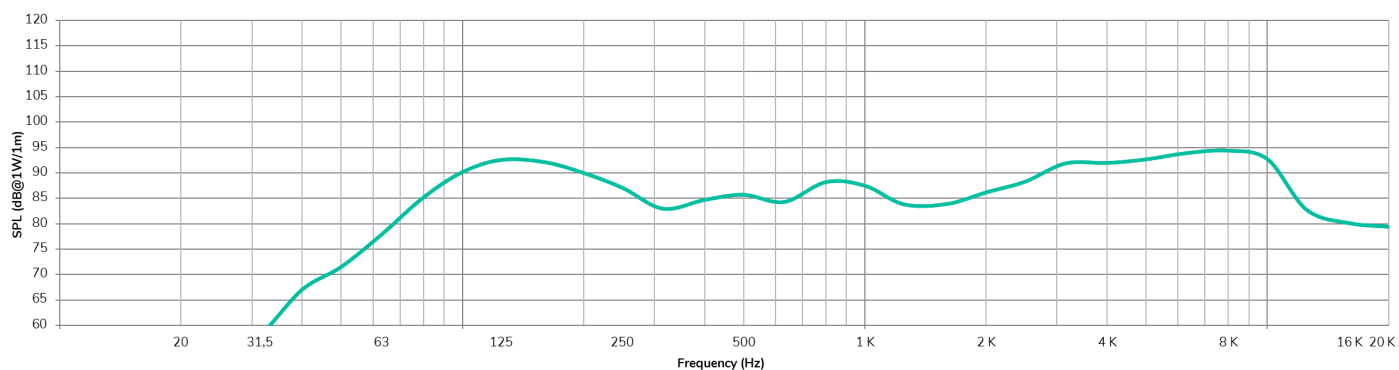
¹ below the sound pressure level at specified sensitivity

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

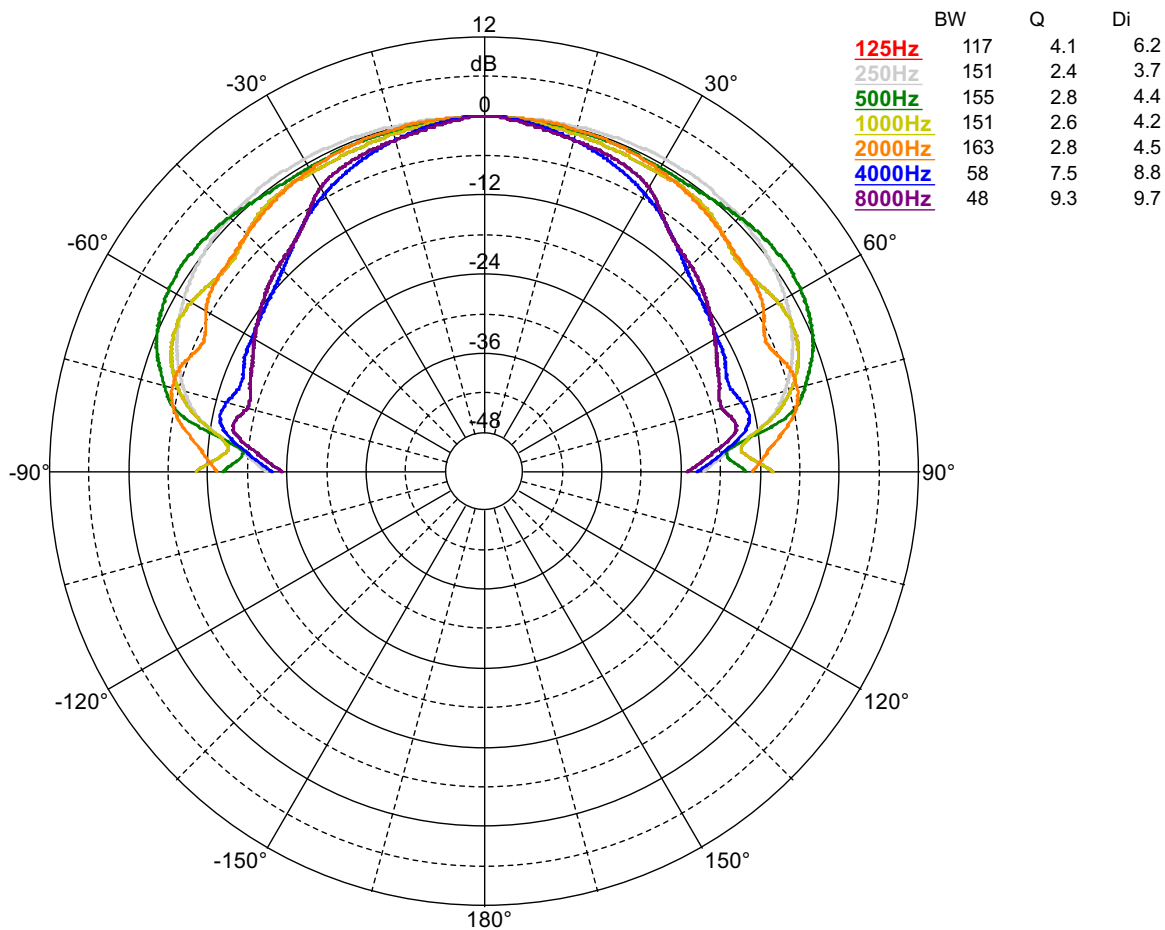
³ Measured on-axis, far field and referenced to 1 meter by inverse square law. Average from 100 Hz to 10 kHz.

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

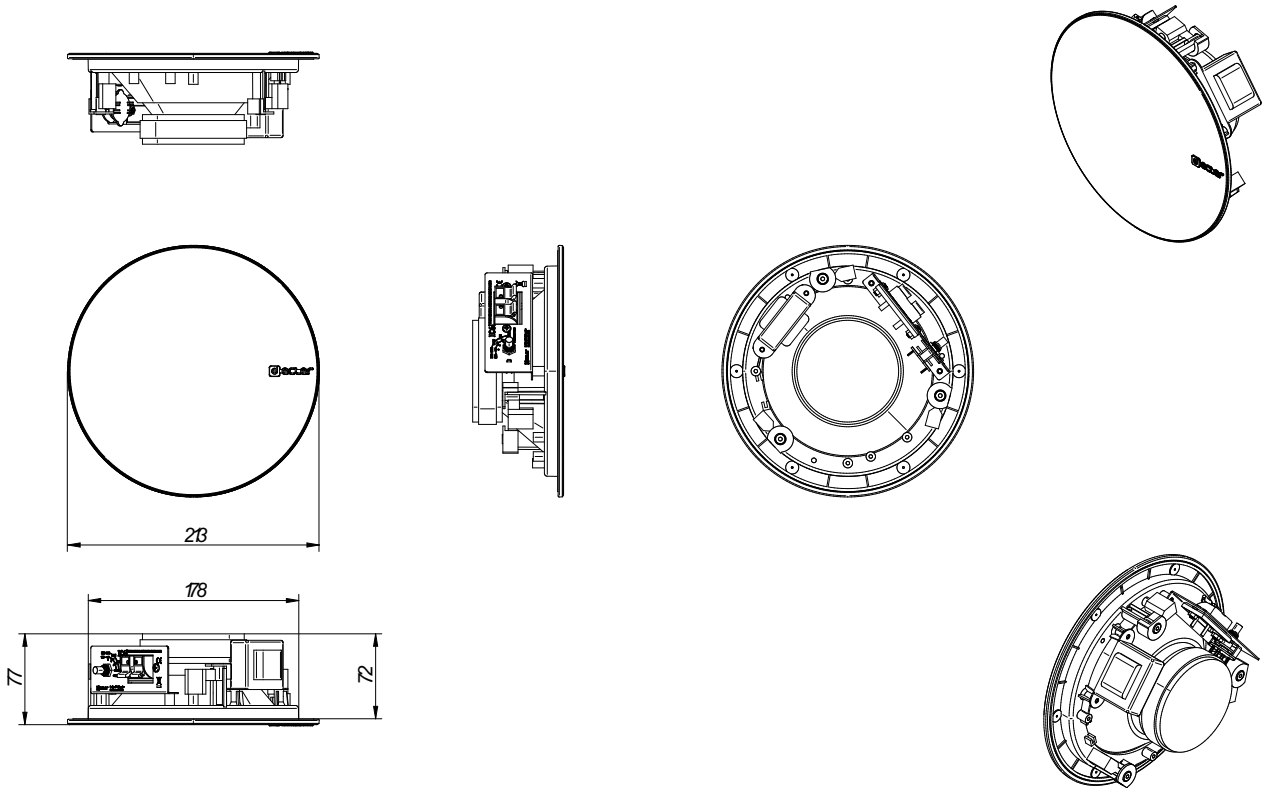
FREQUENCY RESPONSE ON - AXIS



POLAR DIAGRAMS



MECHANICAL DIAGRAM



A&E SPECIFICATIONS

The loudspeaker shall be a two-way full-range in-ceiling/in-wall type, equipped with a 6.5" polypropylene woofer and a 1" tweeter. It shall incorporate a built-in audio transformer for 70/100 V line operation, as well as support for low impedance (8Ω) configurations. The speaker shall be housed in an ABS plastic enclosure with a frameless iron grille secured by magnets, allowing for paint customization.

The unit shall have a nominal power handling of 40 W RMS (160 W peak), a sensitivity of 93 dB (1W/1m), and a maximum SPL of 109 dB continuous / 115 dB peak. The effective frequency response shall range from 75 Hz to 20 kHz (-10 dB), with a conical coverage angle of 163° .

Connection shall be via clip-type input terminals, and installation shall be facilitated by a 3-tab rotating mounting system. It shall be available in white (RAL 9003) or black (RAL 9005) finishes.

The loudspeaker shall have an external diameter of 213 mm, a depth of 72mm and the weight shall not exceed 1.6 kg. The cut out diameter shall be 180 mm. It shall have data files available that can be used with EASE acoustic simulation software.

The loudspeaker shall be the ECLER IC6i.