INCEILING P8

InCeiling Premium Series

The InCeiling P8 built-in speakers are part of the InCeiling Premium series and expand the portfolio of high-quality ceiling-mounted solutions. New membrane technology with ATB bass/midrange drivers (aluminium titanium black) ensures precise and dynamic music reproduction, while the swivelling tweeter system with AB domes (aluminium black) enables targeted sound dispersion. Installation is easy thanks to Easy-Lock technology, the supplied installation template and Phoenix-compatible connectors. The frameless metal grilles with magnetic fastenings can be painted to match the surroundings, allowing them to be integrated almost invisibly into any wall or ceiling.



MECHANICAL PARAMETERS

Description		Built-in Loudspeaker
Principle		2-way
Connection		4-pin PCB Connector with Loop-Through Output max. Speaker Cable Cross-Section 12 AWG (4mm²)
Driver Sizes	1 ×	25 mm, AB Tweeter
	1 ×	210 mm, ATB Woofer/Midrange
Diameter		273 mm
Installation Cut-Out		247 mm
Installation Depth		98 mm
Ceiling Thickness		36 mm
Weight		2,3 kg

PRODUCT INFORMATION







Swivel tweeter and level adjustment





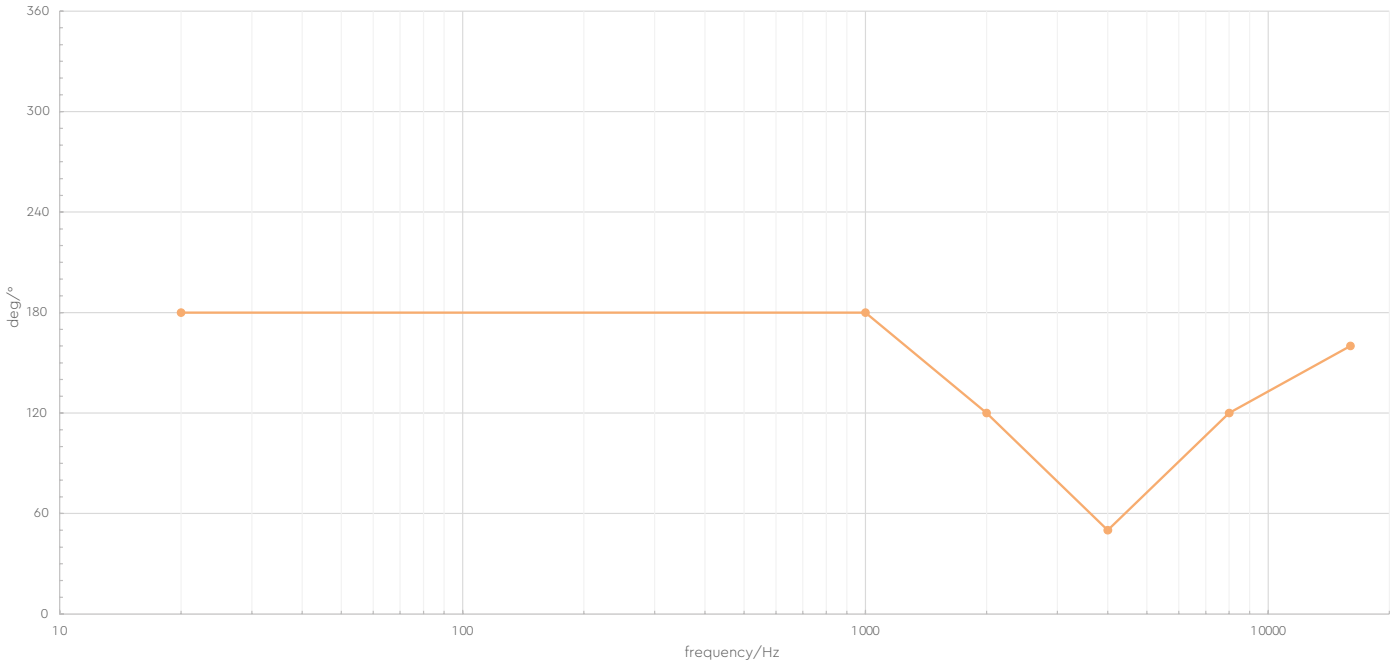
The compact ATB chassis made of aluminium-titanium composite material ensures precise impulse fidelity and natural timbres. The tweeter is swivelling, allowing precise alignment of the high-frequency range for an optimal listening position.
In addition, the integrated level adjustment allows fine tuning of the high frequencies (+/–) to optimally adjust the sound to the room acoustics.

ELECTRICAL PARAMETERS

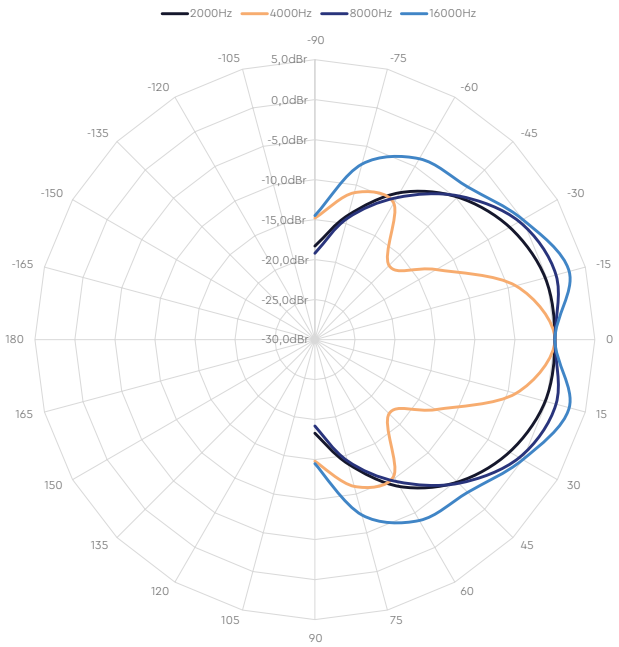
Frequency Response (-3dB/-10dB)	47...38.000 Hz / 33...40.000 Hz
Transmission Range	42...40.000 Hz
Crossover Frequency	3.000 Hz
Coverage Angle (1kHz – 8kHz)	120° conical
Sensitivity (2,83 V/1 m)	86,5 dB
Maximum Sound Pressure Level	107 dB
Nominal / Music Power Capability	80 / 160 watt
Nominal Impedance	8 Ohm
Minimum Impedance	7,2 Ohm

ACOUSTIC PARAMETERS

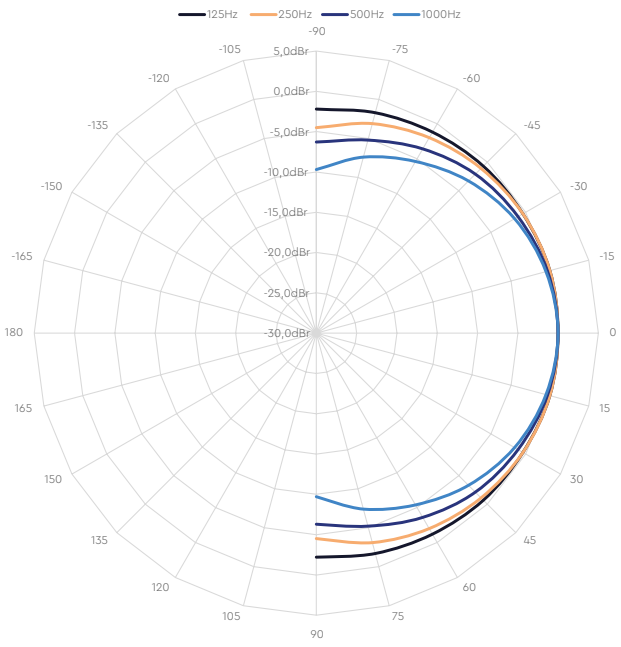
Dispersion Angle vs. Frequency



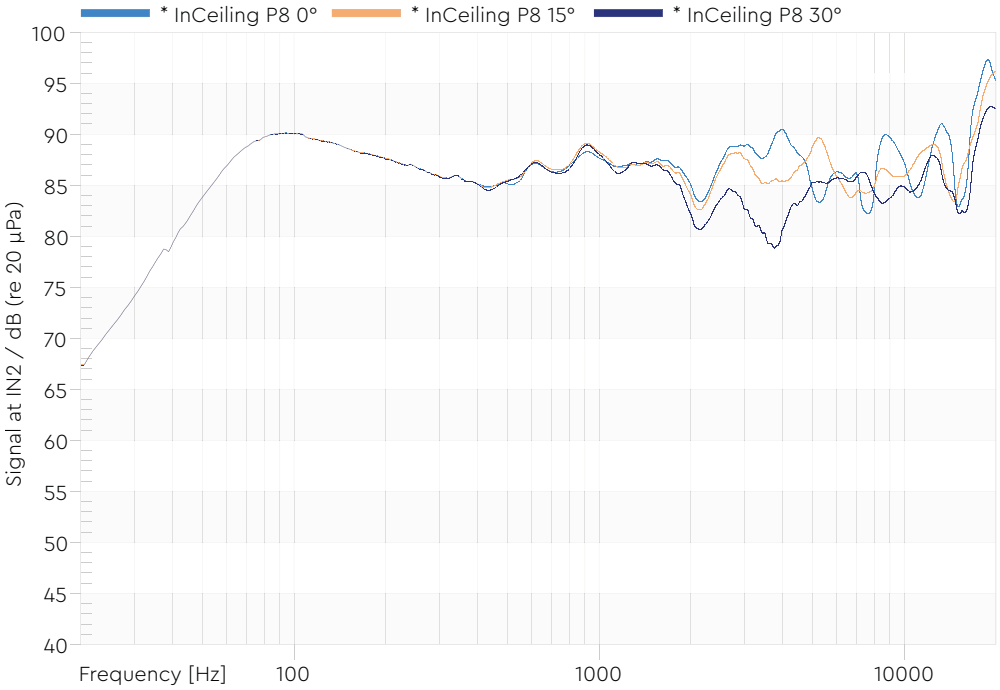
Dispersion Characteristics 2kHz-16kHz



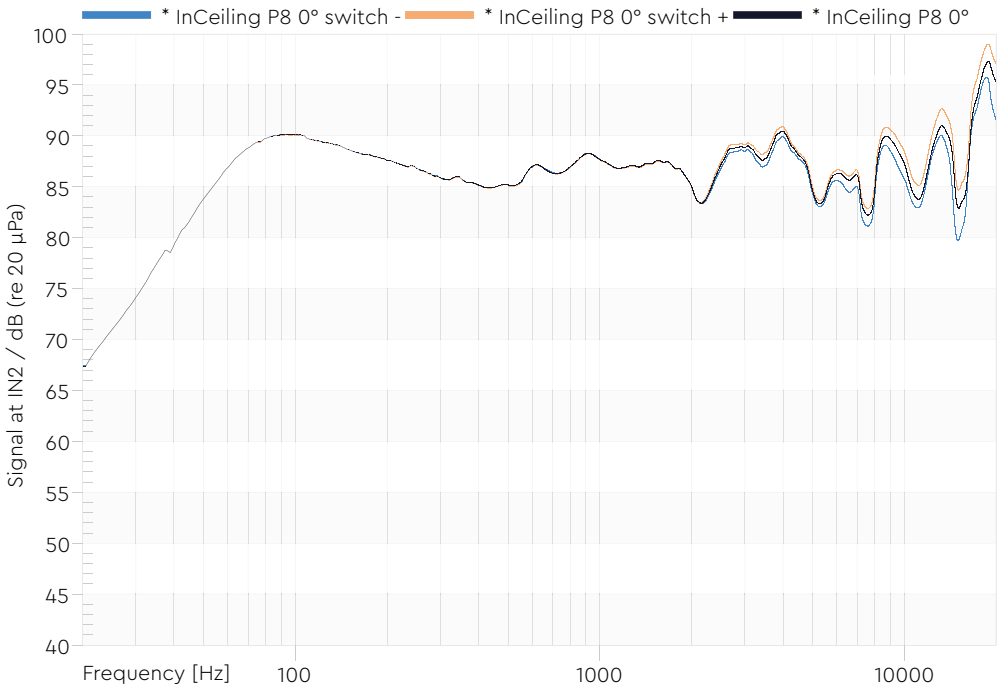
Dispersion Characteristics 125Hz-1kHz



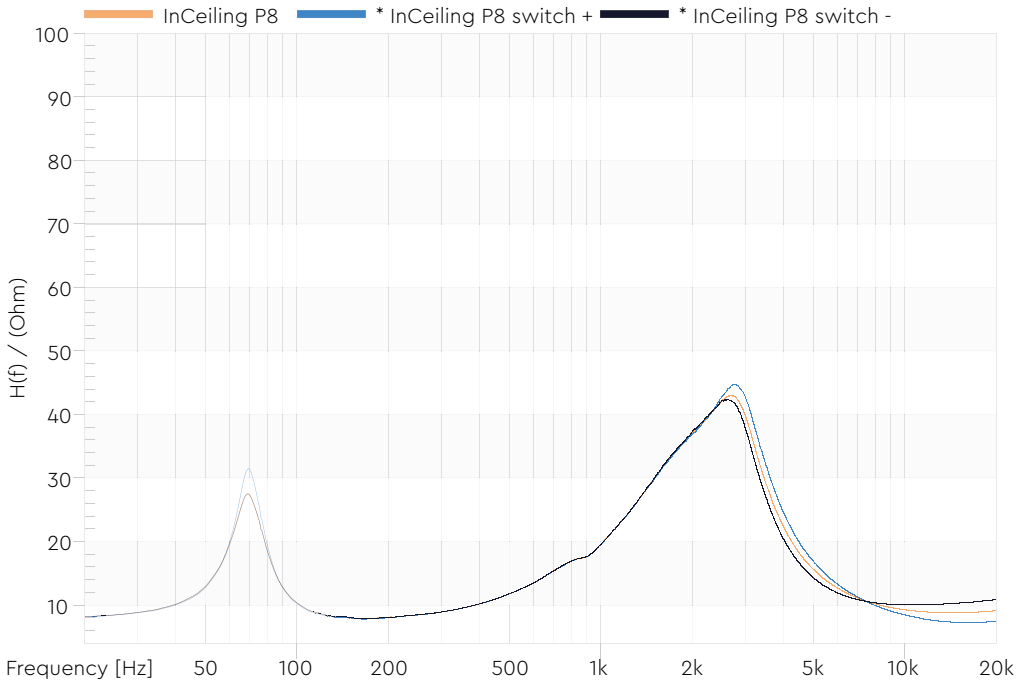
Frequency Response 1 m, Angle 0–30°



Frequency Response 1 m, on axis



Impedance



All measurements were made using KLIPPEL R&D System.