INCEILING P6 OUTDOOR

InCeiling Premium Series

The InCeiling P6 outdoor recessed loudspeakers are part of the InCeiling Premium series and are designed for use in areas exposed to splashing water. 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 stainless steel grille with magnetic fastening ensures high corrosion resistance and allows for discreet integration into walls and ceilings.

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 ×	165 mm, ATB Woofer/Midrange
Diameter		232 mm
Installation Cut-Out		207 mm
Installation Depth		85 mm
Ceiling Thickness		37 mm
Weight		1,7 kg

PRODUCT INFORMATION

Swivel tweeter and level adjustment

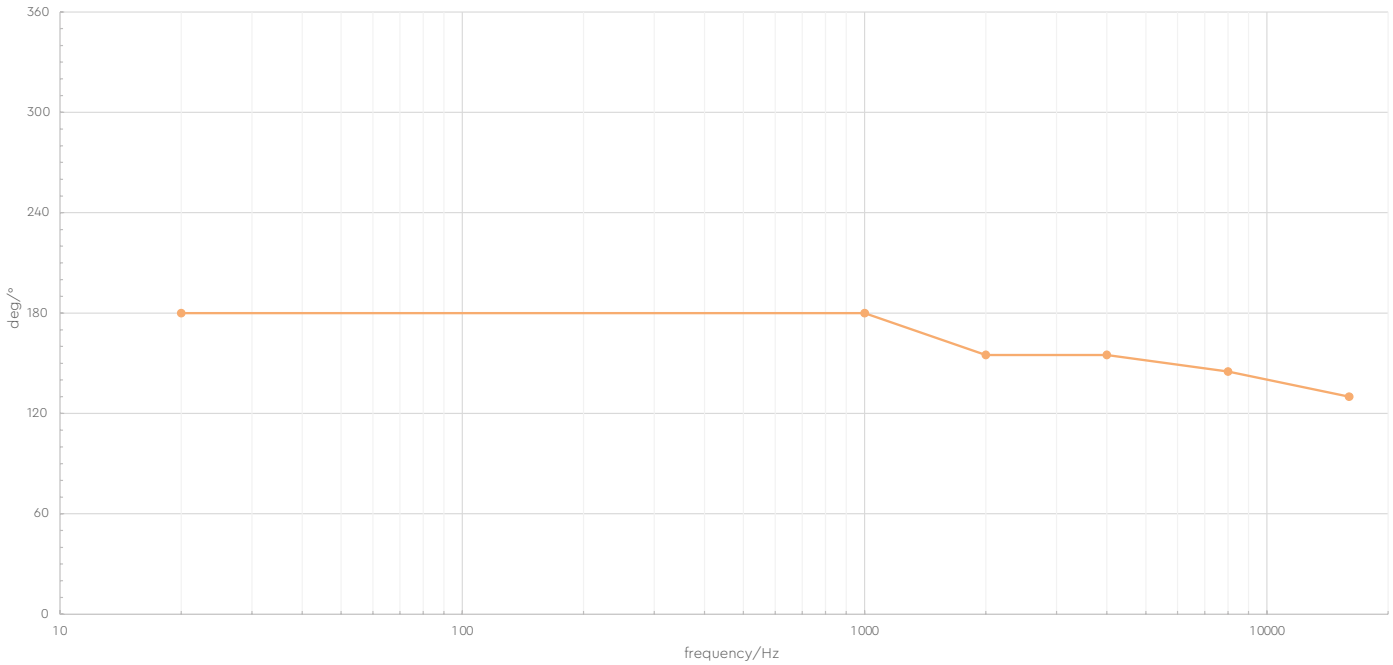
The compact ATB chassis made of aluminium-titanium composite material ensures precise impulse fidelity and natural timbres. The tweeter is swivelling, allowing precise alignment of the high-frequency range for an optimal listening position.
In addition, the integrated level adjustment allows fine tuning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

ELECTRICAL PARAMETERS

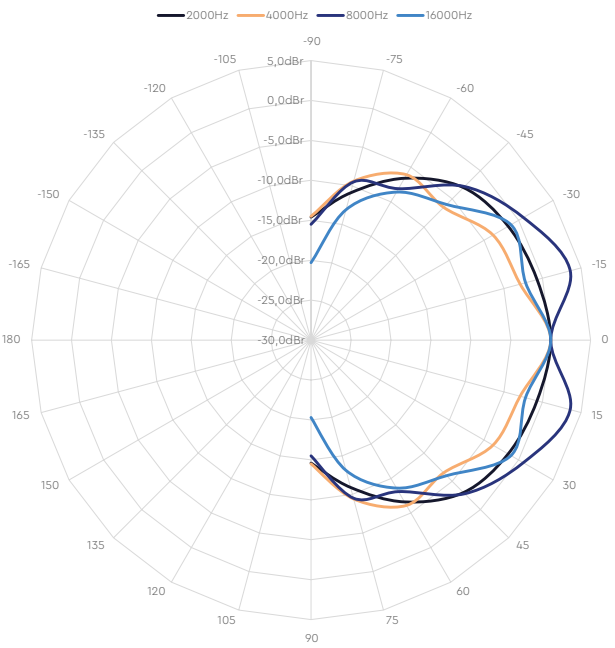
Frequency Response (-3dB/-10dB)	57...25.000 Hz / 40...26.000 Hz
Transmission Range	45...40.000 Hz
Crossover Frequency	3.000 Hz
Coverage Angle (1kHz – 8kHz)	150° conical
Sensitivity (2,83 V/1 m)	85,5 dB
Maximum Sound Pressure Level	105 dB
Nominal / Music Power Capability	75 / 120 watt
Nominal Impedance	8 Ohm
Minimum Impedance	7,3 Ohm

ACOUSTIC PARAMETERS

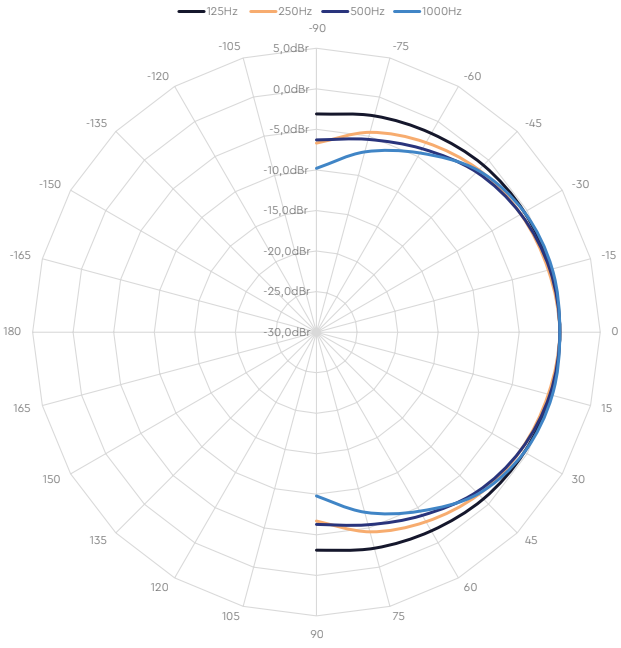
Dispersion Angle vs. Frequency



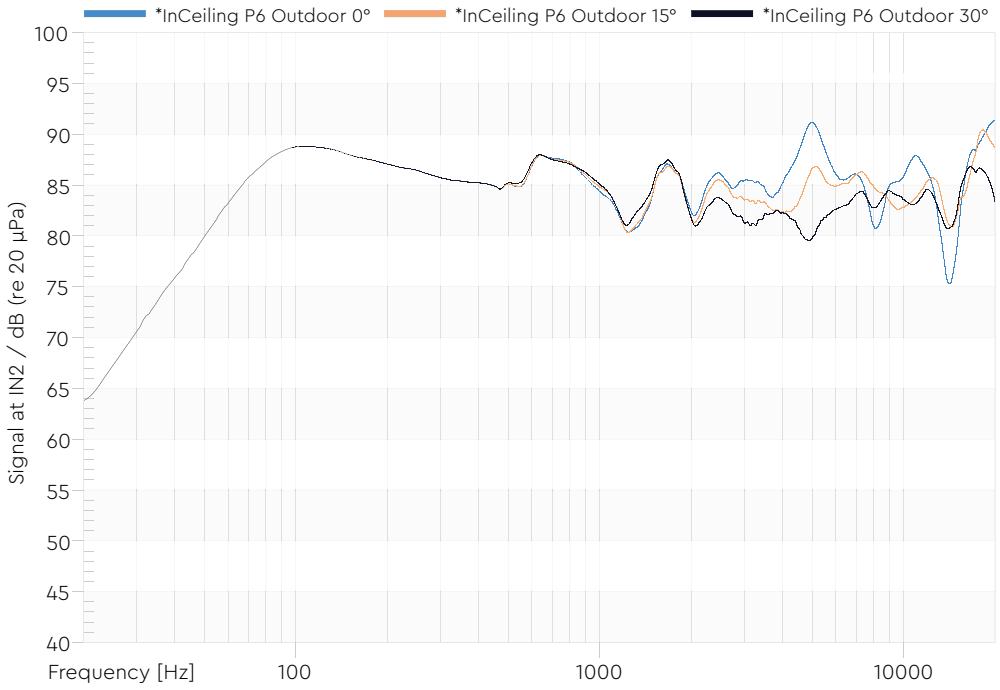
Dispersion Characteristics 2kHz-16kHz



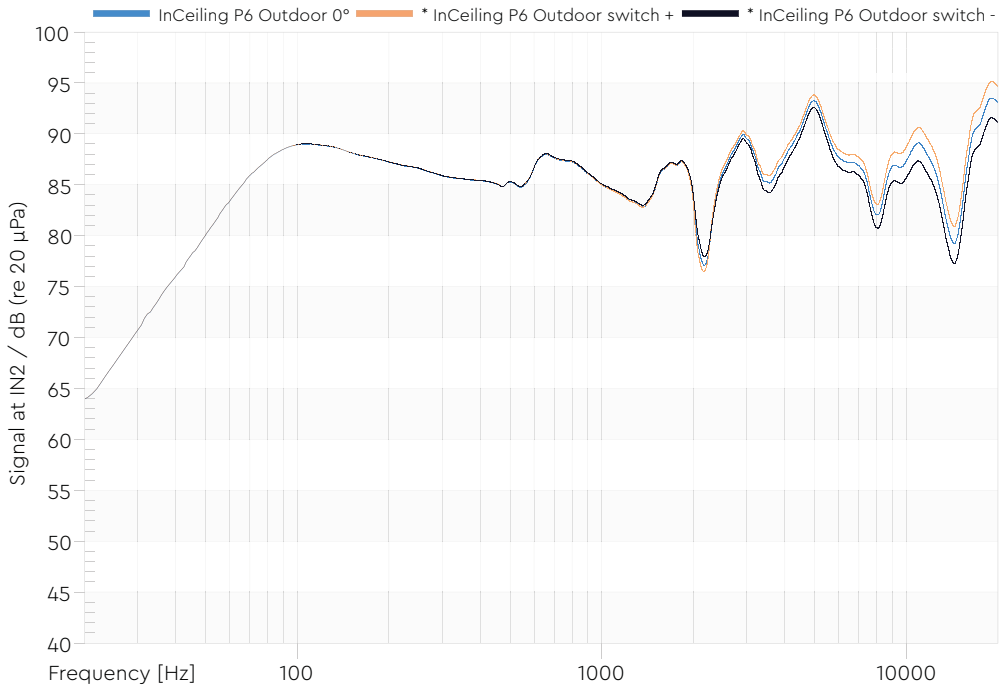
Dispersion Characteristics 125Hz-1kHz



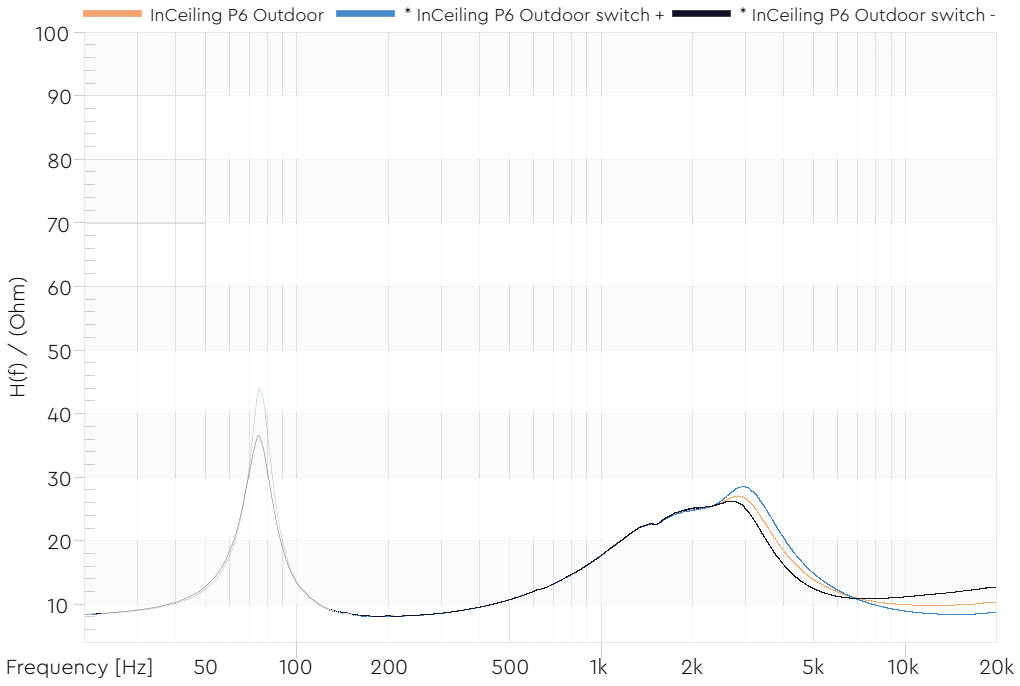
Frequency Response 1 m, Angle 0–30°



Frequency Response 1 m, on axis



Impedance



All measurements were made using KLIPPEL R&D System.