

Ci5120QLM-THX

Architectural Speaker

A versatile THX Certified Ultra Architectural Speaker with MAT™

Since 1961, KEF has been committed to faithfully reproducing sound in its purest form – just as the artist intended. With decades of experience in acoustic innovation, the Ci-Q Series combines advanced technology from our premium ranges to deliver sound with remarkable detail and depth, ensuring an engaging experience in any setting.

The Ci5120QLM-THX responds to the growing demand for high-performance home theatre solutions in multipurpose rooms, where dedicated spaces are less common. Built to the same high standards expected from KEF, the Ci5120QLM-THX guarantees exceptional sound quality while its compact size makes it perfectly suited for both dedicated home cinemas and living rooms.

Featuring a 12th generation Uni-Q driver array and KEF's groundbreaking Metamaterial Absorption Technology (MAT), the Ci5120QLM-THX is THX Certified Ultra. This blend of advanced engineering and design ensures clear and impactful sound, making it ideal for a variety of spaces.

12th generation Uni-Q driver array with MAT

At the heart of Ci5120QLM-THX sits KEF's signature driver array – Uni-Q. Now in its 12th generation, this remarkable feat of engineering acts as a point source, dispersing sound more evenly allowing everyone to experience the same natural detailed sound, wherever in the room they are.

The Ci5120QLM-THX also benefits from another groundbreaking acoustic innovation: Metamaterial Absorption Technology (MAT). MAT is a highly complex maze-like structure that absorbs 99% of the unwanted sound from the rear of the tweeter, delivering a crisper, more natural treble performance.

Room-filling, high-fidelity sound

The Ci5120QLM-THX features four specially designed 120mm (4.75 in.) bass drivers that offer long throw capabilities and very low distortion, delivering deep, clean bass even from a compact driver.

Together with the Uni-Q driver array with MAT, it includes KEF's Flexible Decoupling Chassis, which reduces unwanted driver basket motion, ensuring that vibrations from the mid and high-frequency motor systems do not interfere with performance. Additionally, the re-engineered tweeter gap damper effectively tames resonances, significantly enhancing detail and clarity. The 3-way system design and fully optimised crossovers allow each driver to be optimally configured for its specific role, elevating performance to another level.

Carrying the THX® Certified Ultra designation, the Ci5120QLM-THX has exceeded the rigorous requirements for output levels, frequency response, signal-to-noise ratio and distortion. It recreates high-impact cinema sound with best-in-class audio fidelity, making it ideal for large-sized rooms. With its exceptional capabilities, it's perfect for music, gaming, TV, and films, providing an immersive audio experience in various spaces.

Hide your speakers, not your sound

'Hide your speakers, not your sound' is the concept behind KEF's comprehensive range of architectural speakers. The Ultra-Thin Bezel (UTB) offers the slimmest visible rim around the speaker, ensuring a sleek appearance. Designed to be discreet, these speakers feature a paintable magnetic metal grille that seamlessly blends into your wall. Furthermore, they are IP64 certified, making them splash and dust proof, perfect for various environments.



Summary of features

- Metamaterial Absorption Technology eliminates 99% of high-frequency distortion for pure, natural sound
- 100mm (4 in.) 12th generation Uni-Q with a 19mm (0.75 in.) vented aluminium dome embedded with MAT for exceptional acoustic accuracy
- Four specially designed 120mm (4.75 in.) long throw bass drivers minimises distortion for an ultra-deep, clean bass performance
- The 3-way system design and crossovers allow each driver to be optimally configured for its specific role
- THX® Certified Ultra for high impact cinema sound in a large-sized room
- Ultra-Thin Bezel (UTB) allows for easy blending into the room
- Paintable magnetic metal grille that fits effortlessly into the interior

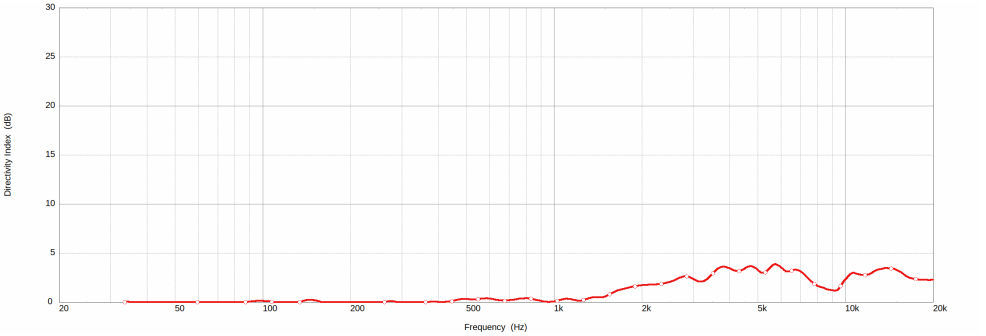


Specifications

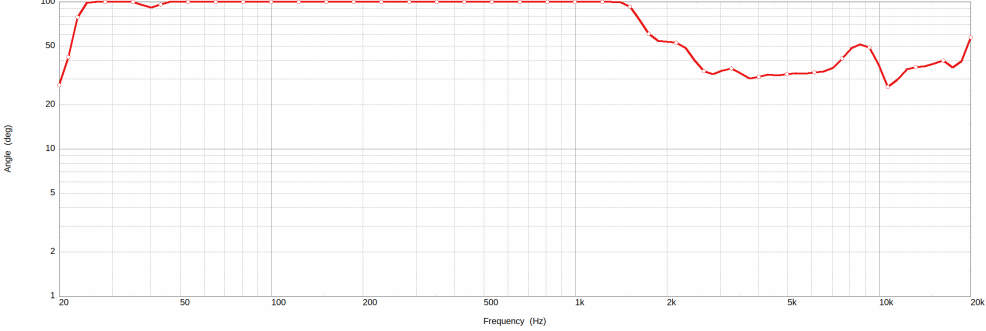
Model		Ci5120QLM-THX
Series		Q Series
Nominal impedance		4Ω
Sensitivity (2.83V/1m)		89dB
Frequency response (±6dB) open-backed		45Hz - 20kHz
Frequency range (-10dB)		38Hz - 20kHz
Nominal coverage (degrees)		150°
Max SPL (dB)		105dB
Crossover frequency		440Hz, 2.75kHz
Drive units	LF	4 x 120mm (4.75 in.)
	MF	100mm (4 in.) Uni-Q
	HF	19mm (0.75 in.) vented aluminium dome with Metamaterial Absorption Technology ¹
Recommended amplifier power		25 - 250 W
Recommended high-pass filter (Hz)		35Hz-100Hz*
Product external dimensions (H x W x D)		818 x 186 x 96mm (32.2 x 7.3 x 3.8 in.)
Cut-out dimensions (H x W)		795 x 163mm (31.3x 6.4 in.)
Net Weight		9.7KG (21.4 lbs.)
Gross Weight		Single box 12.8KG (28.2 lbs.) Master box 27KG (59.5 lbs.)
Mounting depth from surface		90mm (3.6")
Ideal Rear Volume(L)		70
Minimum Rear Volume(L)		35
THX-Certified		THX Certified Select
Safety and Regulatory Compliance		IP64
Ceiling Thickness (Maximum)		36mm (1.42 in.)
Ceiling Thickness (Minimum)		6mm (0.24 in.)

¹ Metamaterial Absorption Technology is a joint development with Acoustic Metamaterials Group.

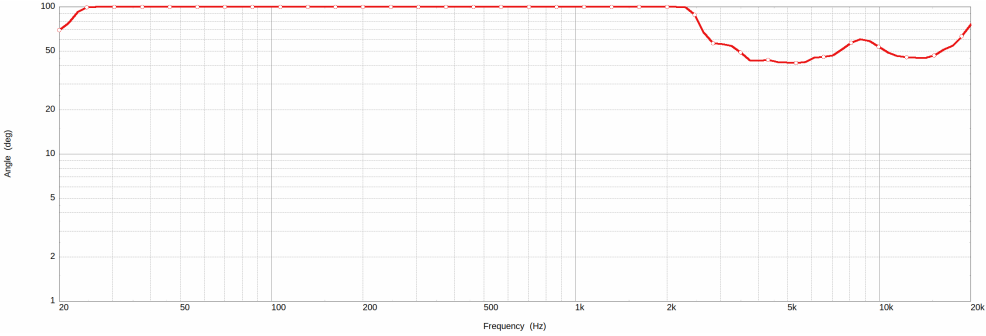
Directivity Index



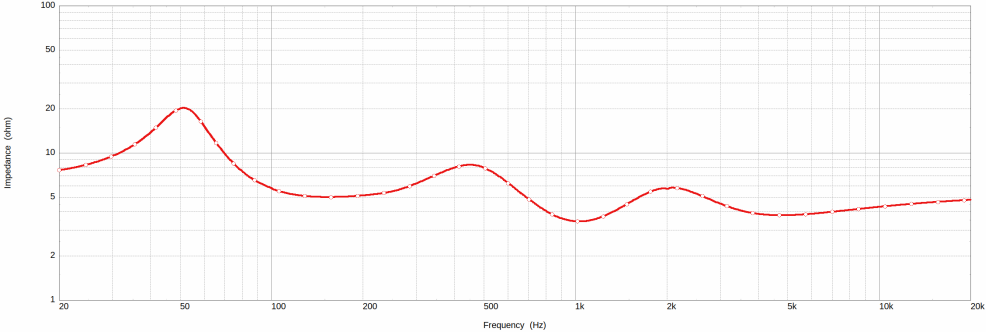
Beamwidth -3dB



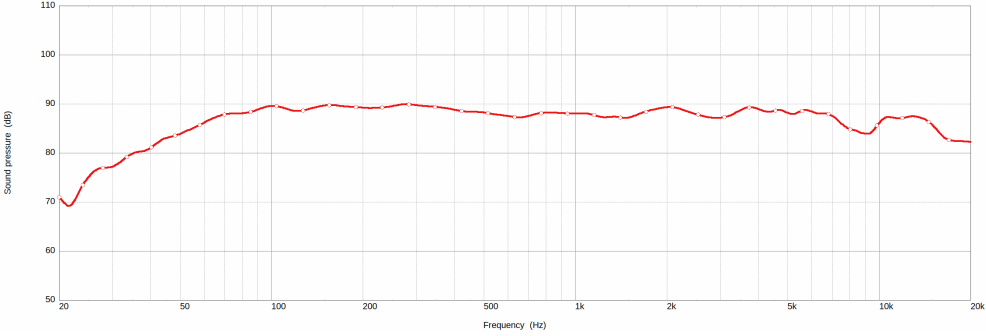
Beamwidth -6dB



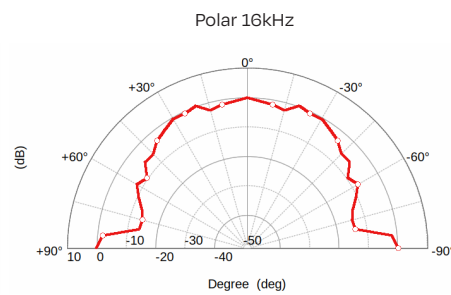
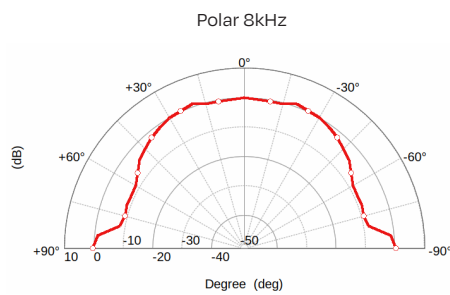
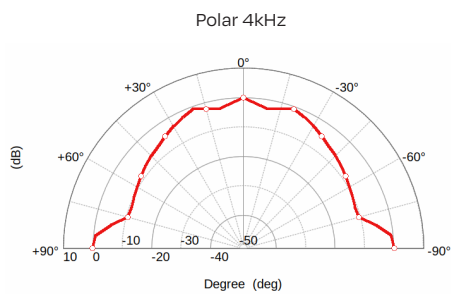
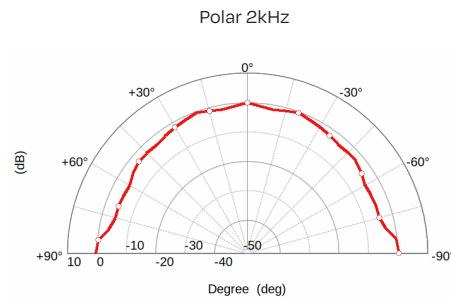
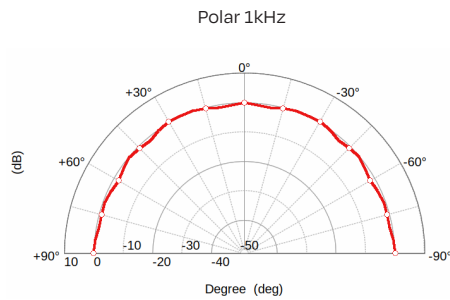
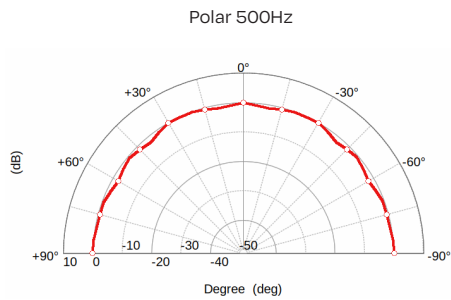
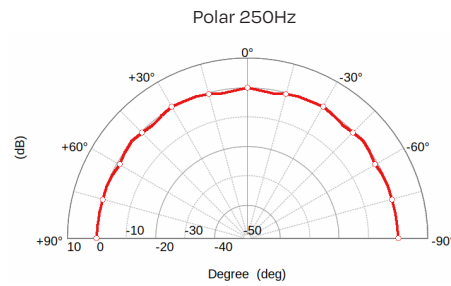
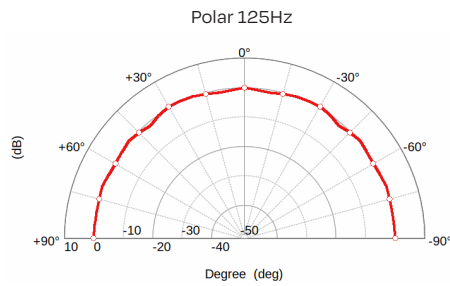
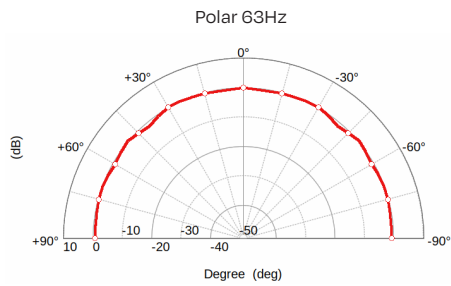
Impedance



Sensitivity (2.83V/1m)



Polar Responses



Mechanical Diagrams

