

Architectural Speaker

Product Overview

The KEF Ci115QCT is a high performance commercial speaker designed for in-ceiling and flush mount installations. It's a coincident point source design featuring KEF's proprietary Uni-Q® technology with a driver array that includes a 19mm high frequency tweeter mounted in the acoustic centre of the 115mm low frequency woofer. The Ci115QCT features a fire rated metal rear enclosure, is UL2043 and UL1480-5 approved, and is compatible with both 70 and 100 volt applications. The ABS assembly, bezel and grille, are finished in a proprietary moisture resistant coating and are UV protected to withstand continued operation in high moisture environments. Supplied with accessories for suspended ceiling application, the KEF Ci115QCT is specifically engineered for versatility in commercial applications requiring high quality acoustic playback and dialogue intelligibility making it the ideal choice for premium event spaces such as retail shops, meeting rooms, and restaurants.



Key Features

KEF Uni-Q® Technology – This proprietary driver array places the tweeter in the acoustic centre of the woofer delivering wide dispersion with consistent sound characteristics throughout the space. Because the high and low frequencies originate from the same point, acoustic lobing problems common to other speaker designs are virtually eliminated allowing fewer speakers to deliver smooth coverage across a wide listening area.

Selectable Front Baffle Switch – The 70/100 volt switch allows the integrator to tune each speaker's output post-installation (70V - 4W, 8W, 15W, 30W) (100V - 8W, 15W, 30W) creating a distributed line system with the versatility to match various operating requirements.

Fire-Rated Metal Rear Enclosure – The enclosure guarantees consistent acoustic performance in various in-ceiling installations while meeting the necessary UL1480-5 fire protection and signalling requirements.

Versatile Mounting Hardware – Hardware required for mounting in both suspended and hard ceilings, plus a mandatory safety wire, is included with each speaker ensuring the installation can be completed without added costs or delays.

Paintable Grille and Bezel – The metal grille and ABS bezel are finished in a UV protective coating that can be painted to match any décor.

Architect and Engineer Specifications

The speaker shall be designed for in-ceiling and flush mount installations in suspended and hard ceilings and include a fire rated metal rear enclosure. The driver array will utilise a coincident point source design with the high frequency tweeter mounted in the acoustic centre of the low frequency woofer.

The speaker shall consist of a 115mm low frequency woofer and a 19mm aluminium dome tweeter mounted in a UV protected ABS baffle with a paintable bezel and grille. The baffle shall include a front mounted switch allowing for the selection of 8 ohm or 70/100 volt operation with settings for 70V (4W, 8W, 15W, 30W) and 100V (8W, 15W, 30W). The speaker will include all necessary hardware for hard and suspended in-ceiling installations along with a safety wire. The speaker shall be no more than 220mm in diameter and 160mm in depth and deliver a frequency response of 70Hz - 20kHz +/- 6dB.

The nominal impedance of the speaker shall be 8 ohm and it must achieve a minimum pressure sensitivity of 86dB SPL at 1 meter on-axis with an input of 2.83 volts. The crossover frequency between the woofer and tweeter shall be 2.3kHz. The speaker shall be UL2043 & UL1480-5 approved and meet numerous safety and performance standards listed by regulatory bodies around the world.

The speaker shall be the KEF Ci115QCT.

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Specifications

Model	Ci115QCT**	
Series	Q Series	
Nominal impedance	8Ω	
Sensitivity (2.83V/1m)	86dB	
Frequency response (±6dB) with back can / rear enclosure	70Hz - 20kHz	
Frequency range (-10dB)	81Hz - 30kHz	
Nominal coverage (degrees)	160°	
Max SPL (dB)	95dB	
Crossover frequency	2.3kHz	
Drive units	LF	115mm (4.5in.) Uni-Q
	HF	19mm (0.75in.)
Recommended amplifier power	15 - 80W	
Recommended high-pass filter (Hz)	85Hz	
Transformer taps	70V: 4W, 8W, 15W, 30W 100V: 8W, 15W, 30W	
Product external dimensions	Diameter Ø	220mm (8.66in.)
	Depth	160mm (6.03in.)
Cut-out dimensions	Diameter Ø	196mm (7.71in.)
Net weight	2.7kg (5.94lbs)	
Mounting depth from surface with back can	157mm (6.18in.)	
Optional rough in frame	RIF160R	
Ideal rear volume (L)	6L	
Minimum rear volume (L)	1.5L	
Certification	UL2043 UL1480-5	

**UL2043 and UL1480-5 approved

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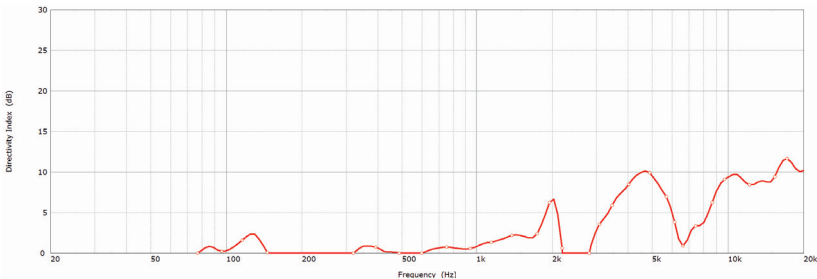
KEF reserves the right, in line with continuing research and development, to amend or change specifications. E&OE.
The Ci speakers that utilise THX in the model name have undergone and passed certified THX approval.

Ci115QCT

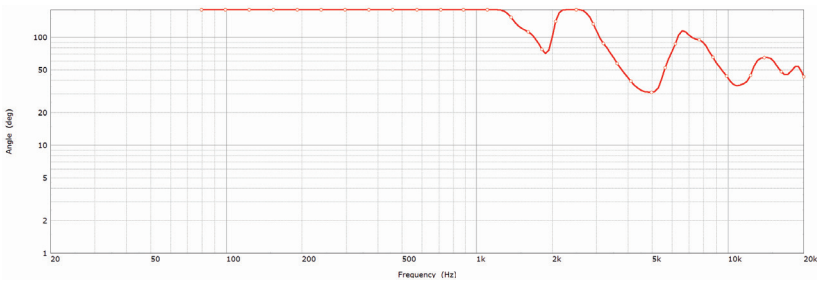


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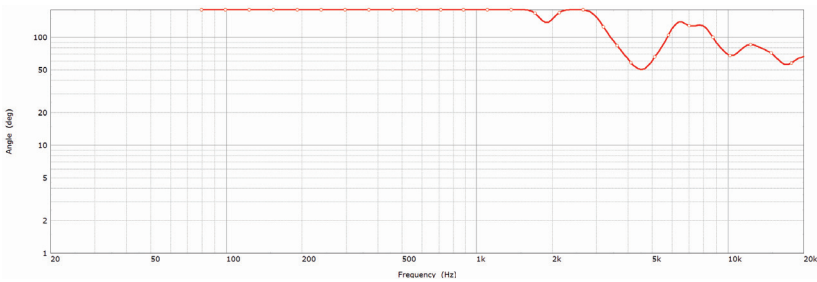
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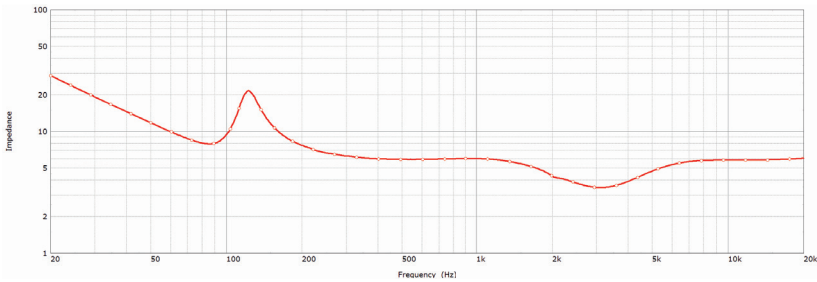
Beamwidth -3dB



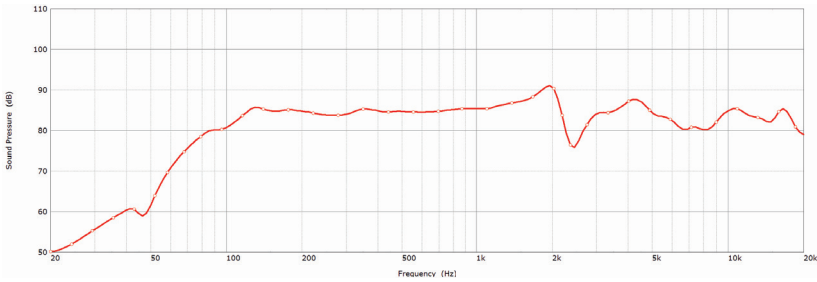
Beamwidth -6dB



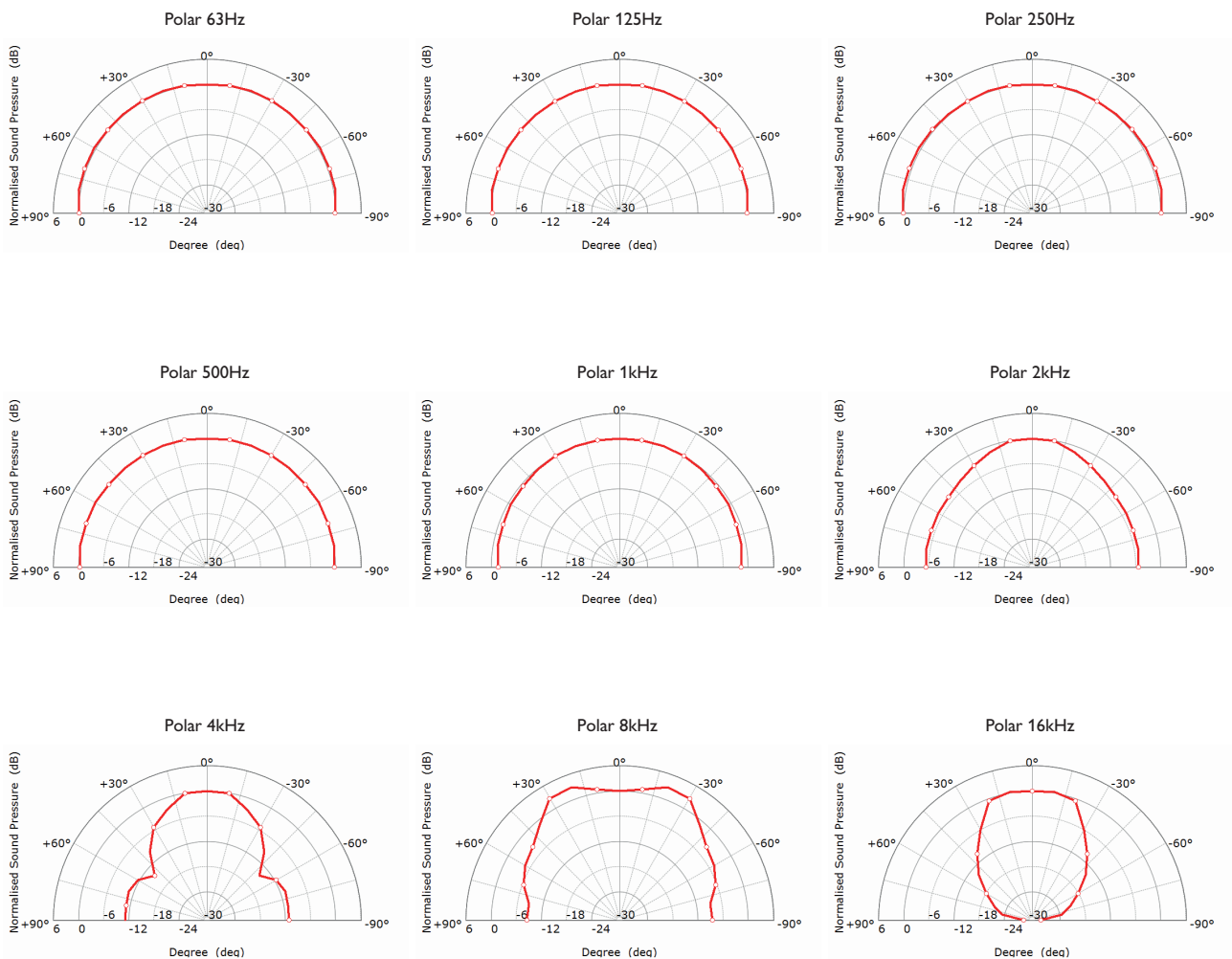
Impedance



Sensitivity (2.83V/1m)



Polar Responses

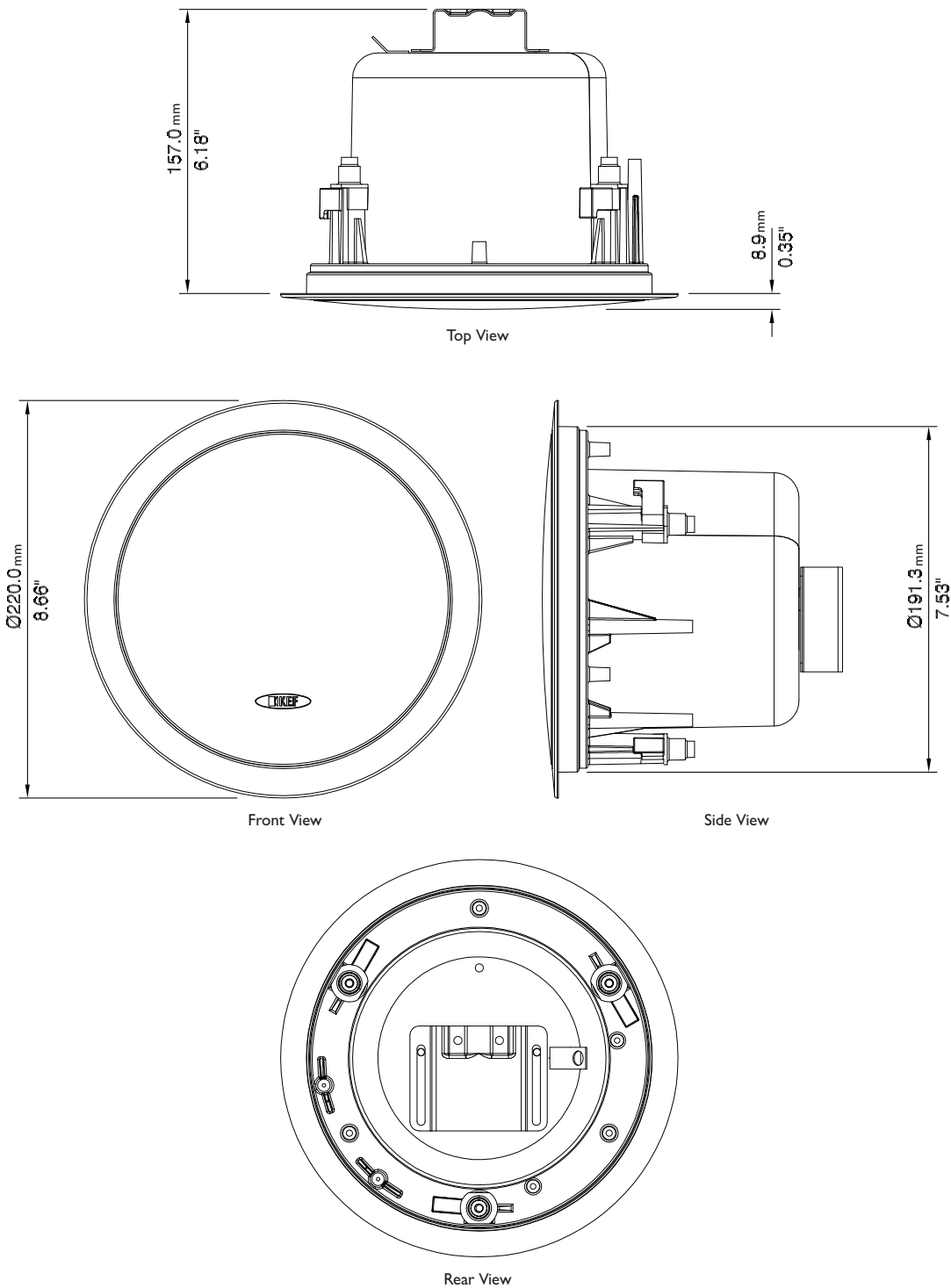


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Mechanical Diagrams



Dimensions in mm (inches)

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