



AcousticDesign™ Series AD-C4T-ZB

KEY FEATURES

- Zero bezel design for the needs of modern applications
- Consistent tonal characteristics across the entire AcousticDesign Series for surface, ceiling, and pendant applications
- DMT (Directivity Matched Transition™) waveguide ensures smooth, uniform frequency response over the coverage area
- Snap-fit magnetic grille
- 3x double stepped, long travel dog-ear blind mount system
- Intrinsic Correction™ voicings available via the Q-SYS Platform including CX-Q amplifiers
- Blemish-free removable logo
- Removable conduit cover plate, also available as accessory for pre-install wiring
- UL1480 and UL2043 certified
- Available in white (RAL 9003)
- Complete EASE, CF2, CAD, & BIM information available online



AcousticDesign™ Series AD-C4T-ZB

4.5" small format, zero bezel ceiling mount loudspeaker

The Q-SYS AcousticDesign™ AD-C4T-ZB is a 4.5" two-way, zero bezel ceiling loudspeaker ideally suited for a wide variety of foreground and background sound reinforcement applications which utilize 70/100V or 16Ω bypass configurations.

The AcousticDesign™ Series offers integrators a premium quality installed sound solution where performance, consistent coverage, and aesthetics are paramount. Specifically designed to maintain a consistent tonal characteristic across the entire family in ceiling, surface, and pendant applications, the AcousticDesign Series allows integrators seamless transitions within blended installations.

The AD-C4T-ZB features a high quality 4.5" weather treated paper cone woofer with a 1" voice coil and a .75" aluminum dome tweeter which is positioned on a DMT waveguide.

DMT (Directivity Matched Transition™) is Q-SYS's design philosophy where the high frequency waveguide is matched to the natural conical behavior of the woofer at the crossover point. The result is a coherent transition between transducers with improved off-axis power response for consistent 150° conical DMT coverage.

The accurate frequency response of the AD-C4T-ZB is maintained even in 70/100V applications by use of a low-loss, low-saturation 30-watt transformer with selectable taps, including 16Ω bypass, using a rotary selector located under the snap-fit magnetically attached powder coat steel grille.

To retain lasting good looks, the rugged ABS baffle is further protected by using UV inhibitors that prevent discoloration and by a powder coated steel back can. The magnetic grille features a stick-on logo that can be removed blemish-free for installations where branding is not permitted.

Installers will appreciate the 3x double stepped, long travel dog-ear blind mounting system, which captures from 0" - 2.25" of ceiling thickness. The conduit cover plate can be easily removed by loosening the single captive Phillips screw allowing access to the locking 4-pole Euro-block connector which can accept up to four 18AWG pairs, eliminating the hassles of star topology wiring designs.

Intrinsic Correction™ voicings that optimize performance and speed the install process are easily deployed via the Q-SYS Platform including CX-Q Series amplifiers.

The AD-C4T-ZB is available in white (RAL 9003) and may be painted to match any decor.

For your system integration needs, complete EASE, CF2, CAD, and BIM files are available for download at Q-SYS.com.



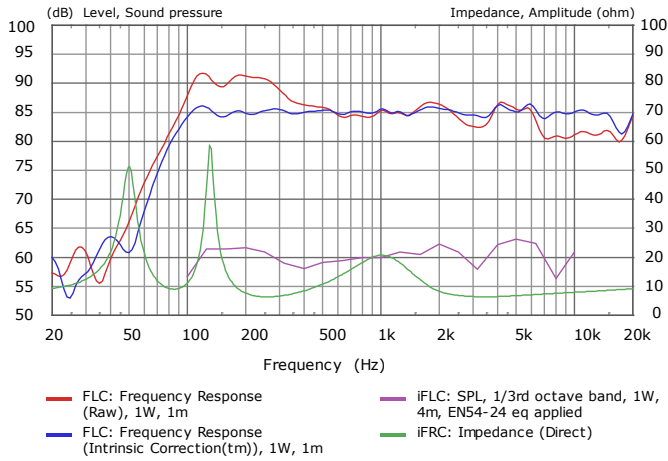
AD-C4T-ZB

LF transducer	114 mm (4.5 in) weather treated paper cone woofer
HF transducer	19 mm (.75 in) aluminum dome tweeter
Effective frequency range ^{1, 2, 3, 8}	70 Hz – 20 kHz
Rated noise power / voltage ⁶	30 W / 22 V (rms)
Sensitivity (dB)	Rated @1W, 1 m ^{2, 3, 4, 8} : 87
Coverage (-6 dB) (°)	Rated ^{2, 5, 8} : 150 conical DMT
Horizontal / Vertical ⁹	500Hz: 176 / 176, 1 kHz: 160 / 160 2kHz: 156 / 152, 4kHz: 103 / 111
Declared values of SPL, 1/3rd octave band CPB, 1W, 4m (Hz : dB) ⁹	500: 59.1; 630: 59.4; 800: 60.0; 1000: 60.0 1250: 61.0; 1600: 60.5; 2000: 62.3; 2500: 61.0 3150: 58.0; 4000: 62.2
Directivity factor ^{2, 5, 8}	4.5
Directivity index (dB) ^{2, 5, 8}	6.5
Maximum SPL (dB)	Rated, 1m (continuous / peak) ⁷ : 102 / 108
Recommended amplifier	60 watts
Transformer taps / impedance	Bypass: 16 Ω 3.75 W (70 V); 7.5 W (100 V) Tap: 1333 Ω 7.5 W (70 V); 15 W (100 V) Tap: 667 Ω 15 W (70 V); 30 W (100 V) Tap: 333 Ω 30 W (70 V); N/A (100 V) Tap: 167 Ω
Input connector type	Euroblock connector with parallel output
Enclosure material	ABS baffle on powder coated steel back can
Grille material	Powder coated steel
Ingress protection	IP-34
Operating environment	Designed for indoor use
Operating temperature range	-20 to 50° C (-4 to 122° F)
Cutout dimension	Ø 195 mm (Ø 7.68 in)
Net weight	2.9 kg (6.4 lb)
Product dimensions (Ø x H)	Ø 230 x 176 mm (Ø 9.06 x 6.94 in)
Shipping weight	9.3 kg (20.5 lb), pair packed
Shipping dimensions (H x W x D)	279 x 711 x 318 mm (11 x 28 x 12.5 in), pair packed
Included accessories	C-ring and tile rails, rail screws, euroblock connector, cut-out template, grille
Optional accessories	AD-MR4 (pre-install mud ring)
Safety Agency	UL1480, UL2043, NFPA90, NFPA70 suitable for use in air handling spaces. Transformer UL registered per UL1876, ROHS, CE compliant. Baffle meets UL94-V0 and UL94-5VB flammability rating; in accordance with IEC60849 / EN60849 systems.

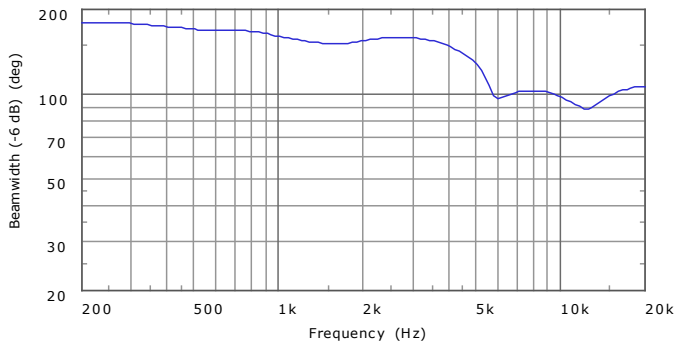
¹ -10dB from rated sensitivity² Full-space, IEC baffle, 4m³ Reference axis⁴ 200 - 10kHz average⁵ 500 - 5kHz average⁶ IEC, 2hrs⁷ Calculated from rated noise power and sensitivit⁸ *Reference plane* is the plane coincident with the loudspeaker baffle plane. *Reference axis* is the axis perpendicular to the reference plane and passing through the center of the baffle. *Vertical plane* is the plane intersecting the reference plane at a right angle, including the reference axis and the taps selector knob. *Horizontal plane* is the plane intersecting the reference plane and the vertical plane at a right angle, including the reference axis.

AD-C4T-ZB

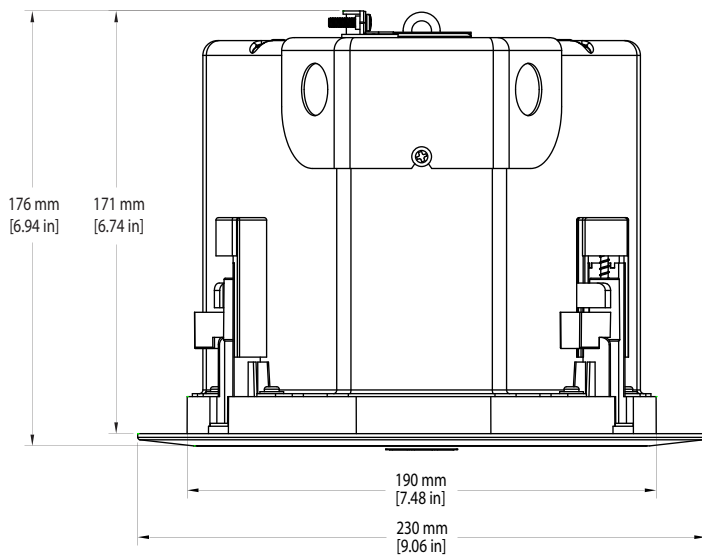
Impedance/Frequency Response:



Beamwidth:



Dimensions



As part of Q-SYS's ongoing commitment to product development, specifications are subject to change without notice.