



AcousticDesign™ Series AD-C4T-LP

4.5" small format, low profile,
ceiling mount loudspeaker

Features

- Consistent tonal characteristics across the entire AcousticDesign family 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 Q-SYS Platforms and CXD amplifiers
- Low-saturation and low-loss 70/100V transformers with 16Ω bypass
- Blemish-free removable logo
- Removable conduit cover plate, also available as accessory for pre-install wiring
- UL1480 and UL2043 certified
- Available in white (RAL 9010)
- Complete EASE, CF2, CAD, & BIM information available online



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The QSC AcousticDesign™ AD-C4T-LP is a 4.5" two-way low profile 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 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 QSC'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-LP 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. A locking 4-pole Euro-block connector that can accept four 18AWG pairs eliminates the termination hassles of star topology wiring designs.

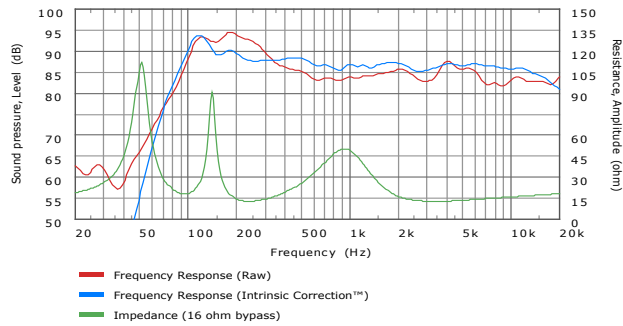
Intrinsic Correction™ voicings that optimize performance and speed the install process are easily deployed via the Q-SYS Platforms, including CXD Series amplifiers, as part of a complete QSC systems solution.

The AD-C4T-LP is available in QSC standard white (RAL 9010) and may be painted to match any decor.

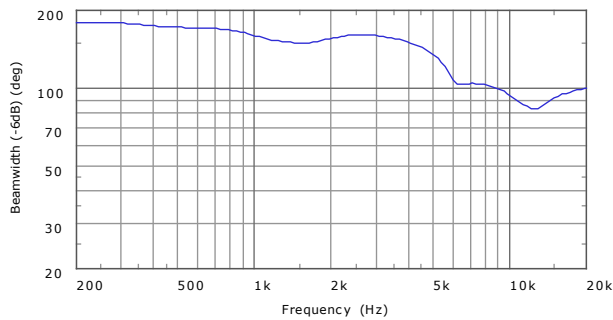
For your system integration needs, complete EASE, CF2, CAD, and BIM files are available for download at QSC.com.

AD-C4T-LP Details

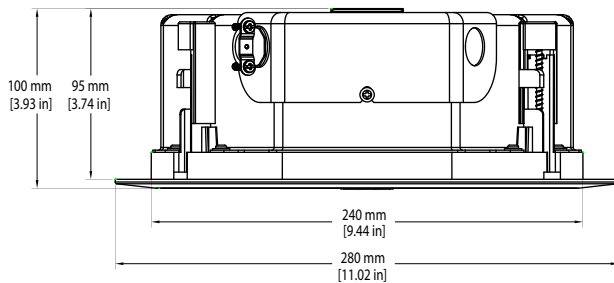
Impedance / Frequency Response:



Beamwidth:



Dimensions:



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

Specifications

| System Details | AD-C4T-LP |
|--|---|
| 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 | 70 Hz – 20 kHz |
| Rated noise power / voltage ² | 30 watts / 22 volts (rms) |
| Sensitivity [dB] ³ | 87 |
| Rated coverage (-6 dB) ⁴ | 150° conical DMT |
| Directivity factor ⁴ | 4.5 |
| Directivity index [dB] ⁴ | 6.5 |
| Maximum continuous SPL [dB] ⁵ | 102 |
| Maximum peak SPL [dB] ⁵ | 108 |
| Nominal impedance [ohms] | 16 |
| Recommended amplifier | 60 watts |
| Transformer taps / impedance | 16Ω (in bypass setting) 3.75W (70V); 7.5W (100V) Tap: 1333Ω 7.5W (70V); 15W (100V) Tap: 667Ω 15W (70V); 30W (100V) Tap: 333Ω 30W (70V); N/A (100V) Tap: 167Ω |
| 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 245 mm [Ø 9.65 in] |
| Net weight | 3 kg [6.6 lb] |
| Product dimensions (Diameter x Height) | Ø 280 x 100 mm [Ø 11.02 x 3.93 in.] |
| Shipping weight | 10.2 kg [22.5 lb] (pair packed) |
| Shipping dimensions (H x W x D) | 183 x 699 x 394mm [7.2 x 27.5 x 15.5 in](pair packed) |
| Included accessories | C-ring and tile rails, rail screws, euroblock connector, cut-out template, tether grille |
| Optional accessories | AD-MR6 (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. |

² -10dB from rated sensitivity

¹ IEC noise, 2hrs

⁴ 500 Hz–5 kHz average

³ Transformer bypassed, 1W, 1m, IEC baffle, 200-10kHz average, on-axis

⁵ Calculated from rated noise voltage and sensitivity



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AD-C4T-LP Spec Sheet 07/25/2017



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