

Coaxial two-way full range 8-inch ceiling mount loudspeaker system.



Key features

- Two-way 8" coaxial speaker
- Coaxial loudspeaker with HF compression drivers
- Designed for voice and background music
- 45W AES @ 8Ω
- Low-impedance and high-impedance
- Power selector: 30/15/7.5/3.5 W 100v (1.9W @ 70V) 8Ω
- Easy install

Applications

- Corporate training rooms, ballrooms
- Convention centers, exhibit halls, Houses of worship
- Malls, airports, nightclubs, bars and restaurants
- Auditorium, museums

General description & specifications

The CS-8T is an in-ceiling loudspeaker with a great sound performance. It features a 8" woofer + 0.5" tweeter.

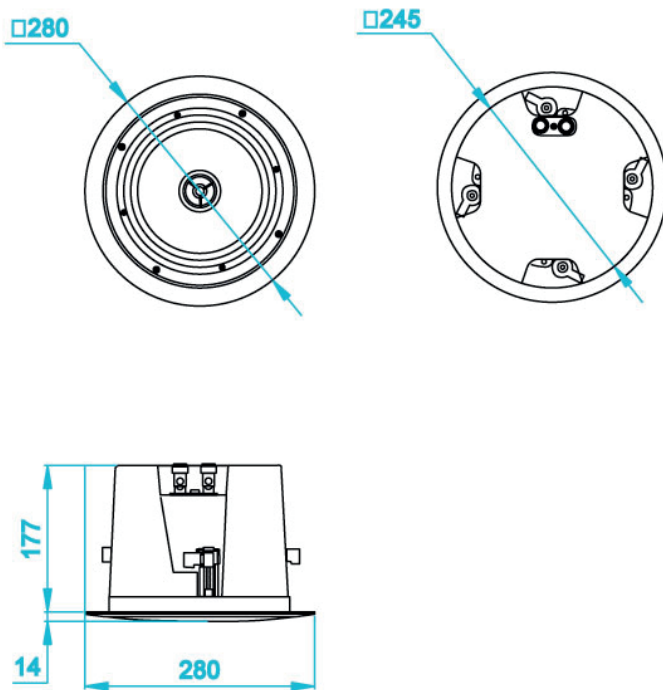
The CS-8T utilizes a 100V / 70V Line transformer that offers a selection of 30/15/7.5/3.5W (1.9W @ 70V) delivered to the loudspeaker system using or high impedance lines, or 8Ω bypass.

The baffle, bezel and rear enclosure are constructed from ABS. The rear enclosure adds damping material, providing an optimum internal volume for extended low-frequency performance.

Technical Data

Components	8" 200 mm polypropylene cone 0.5" polypropylene Tweeter coaxially mounted
Frequency range	70 - 18.000 Hz
Rated power	45W (8 Ω) 180W Peak
Transformer taps	100V 30 / 15 / 7.5 / 3.75W 70V 30 / 15 / 7.5 / 3.75 / 1.9W Low Impedance 8 Ω
Max SPL	8 Ω 107.5 dB 100V / 70V 105.8 dB
Sensitivity	91 dB 1W / 1m @ Zn
Nominal impedance	8 Ω
Nominal coverage	90° conical dispersion
Recommended Signal Processing	80 Hz, at 24 dB per octave high pass filter
Crossover frequency	2300 Hz
Enclosure material	ABS
Grille	Powder coated steel, white finish, paintable
Colour	White
Dimensions H x Diameter	177 mm x 280 mm (6.9 in x 11 in)
Cut out size	245 mm (9.6 in)
Net weight	2.8 Kg (6.2 lbs)

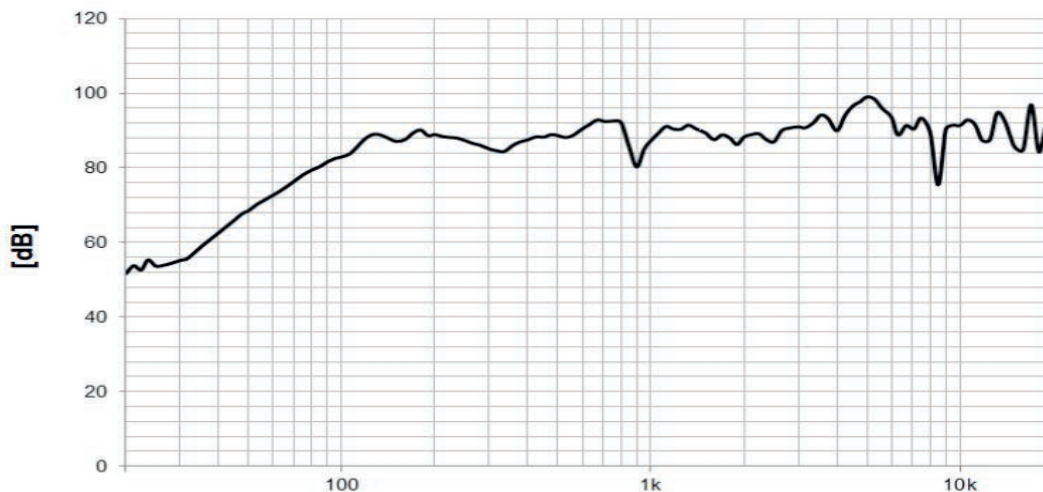
Dimensional Drawing



Dimensions in millimeters.

Frequency response

1/6 Octave Smoothing, 1w@1m, anechoic chamber, half space.



Architectural specifications

The loudspeaker system shall be a 2 way, full-range ceiling loudspeaker system with a 8" low frequency transducer with a coaxially mounted 0.5" exit high frequency dome tweeter. The loudspeaker baffle shall be constructed in ABS material with a white finish and ABS back can with terminal connection integrated.

The system shall have an frequency response of 70 Hz to 18 kHz (-10dB) and a nominal low impedance of 8 Ω . The sensitivity shall be 91 dB SPL at 1 meter on axis with 1 watt of pink noise. The loudspeaker system shall have a conical coverage pattern of 90°. The nominal system impedance shall be 8 ohms.

The system shall be equipped with a 30W line transformer used in 70V or 100V with 30W, 15W, 7.5W, 3.75W and 1.9W taps available in 70V distributed systems and 30W, 15W, 7.5W and 3.75W taps available in 100V distributed systems.

The power rating shall be 45W AES used in a low impedance 8 Ω . The loudspeaker shall be 177mm (6,9") in diameter and 280mm (9.6in) deep. Weight shall be 2.8kg (6.2lb).

Lynx Pro Audio reserves the right to make changes or improvements in the design or the manufacturing that may affect these product specifications without notice.