

Distributed Design

High Performance, High Fidelity, True Coaxial Ceiling, Surface Mount and Pendant Loudspeaker Family

D-Series Ceiling Mount Loudspeakers



Note: Loudspeakers shown with grille removed

Community's Distributed Design ceiling loudspeakers deliver exceptionally high quality sound with predictable, uniform coverage. The Distributed Design Series is built to satisfy safety agency standards, with quality assured by Community's long history of building high-performance, durable loudspeakers for sound reinforcement and contracting applications.

The series is comprised of seven models: a 4.5-inch full-range system in a standard and shallow can, a 5-inch full-range, a 6.5-inch full-range available in standard white or black, an 8-inch full-range, a 10-inch full-range and 10-inch subwoofer system. Each model is available as a complete assembly, including everything needed for standard installations. The face portion only or the back can of each loudspeaker model can also be purchased separately. The Distributed Design Series HF drivers increase in size proportionally with the LF drivers, resulting in higher sensitivity, output and LF extension in each successively larger model.

Except for the D10SUB subwoofer, each of the other six full-range models is a true coaxial loudspeaker with a real compression driver concentrically arranged so that the upper frequencies emerge through the center of the low-frequency driver's magnetic structure and cone via a precisely tapered Tru-Phase™ high-frequency waveguide. This special construction provides consistent, wide dispersion up to 16 kHz, all but eliminating high-frequency narrowing. Further pattern improvement is achieved by precisely mounting the low frequency driver (and its concentric HF driver) dead-center in the baffle, as contrasted to the offset designs used by others.

Most competitive ceiling loudspeakers typically have a half-inch or greater "step" in their face where the grille is attached, and the low frequency driver is rear-mounted behind the grille plate. Such designs produce unwanted reflections and diffraction effects such as frequency response peaks and nulls, polar irregularities, and phase response problems. To avoid these issues, Community Distributed Design baffles are very close to the grille, less than 1/8-inch away. The loudspeaker baffle and