

5.25 Retro Ceiling Speaker

Architectural Specifications

The loudspeaker shall consist of a 5.25-inch low-frequency transducer, .75-inch high-frequency transducer in a coaxial alignment, and frequency dividing network installed in a drawn steel enclosure.

Performance specifications of a typical production unit shall be as follows: Measured sensitivity (SPL at 1 m [3.3 ft] with 2.83 V input, averaged from 500 Hz to 1.5 kHz) shall be at least 88dB. Usable frequency response shall extend from 80 Hz–18 kHz (10 dB below rated sensitivity, in half-space, with no external equalization). The frequency dividing network shall have a crossover frequency of 3 kHz. Rated power capacity shall be at least 20 watts RMS.

The enclosure shall be constructed of drawn steel. The grille shall be a paintable steel with ABS bezel. The low-frequency transducer shall be constructed of a doped paper cone with a butyl rubber surround. The high-frequency transducer shall be constructed of sealed ferrofluid polycone. Overall cabinet dimensions shall be no greater than 9.25 inches in diameter by 8.00 inches deep, and shall weigh no more than 6 lb. The system shall be the Posh 5.25 Retro Ceiling Speaker System.