IPD-CM52-BGM
Architectural Specifications

The loudspeaker shall consist of one 134 mm (5.25 in.) low-frequency transducer and one 19 mm (0.75 in.) high-frequency transducer with a frequency-dividing network installed in a sealed enclosure. The low-frequency voice coil diameter shall be 25.4 mm (1.00 in.). The low-frequency transducer shall have a polypropylene cone material with a rubber surround. The high-frequency transducer shall be constructed of silk material using a balanced-dome configuration.

Performance specifications of a typical production unit shall be as follows: Usable frequency range shall extend from 56 Hz – 22 kHz (-10 dB). The frequency dividing network shall have a crossover frequency of 5 kHz. The unit shall accept 40 watts PoE in addition to PoE plus and standard PoE, as well as the audio signal from a provided network switch, and shall be configurable via software. Maximum continuous output at 1 meter with a 40 watt input shall be 99 dB.

The backcan shall be constructed of galvanized steel with an ABS plastic baffle. The grille shall be constructed of painted steel. Shipped complete with UL-listed flex conduit connector, color coded tile bridge (to match color-coded backcan), grille, and paint shield, the integrated in-ceiling speaker shall be engineered for high performance and rapid installation in plenum spaces. The unit incorporates three additional attachment points for added security, or where required by code.

Installation for the speaker shall be by two-screw blind-mount constant tension fixed-wing assembly and shall attach to ceiling thicknesses ranging from 0.035 in. (0.9 mm) to 2.5 in. (63.5 mm). The external wiring shall be via RJ45 ethernet port, accepting standard CAT5 or CAT6 ethernet cable.

The maximum backcan dimension shall be no more than 146.1 mm (5.75 in.) in height by 245.6 mm (9.67 in.) in diameter. The maximum visible dimensions shall be no more than 8.4 mm (0.33 in.) in height by 298.5 mm (11.75 in.) in diameter.

The system shall be the SoundTube IPD-CM52-BGM for Dante™ applications.