

Architectural & Engineering Specifications

12-1C 2x2 Ceiling Subwoofer

The unit shall have frequency response of at least 40-250 HZ +/- 3 db. It shall have sensitivity of at least 93 db 1 watt/1 meter. Power capacity shall be 150 watts continuous sine wave and 290 watts music/voice program. The nominal impedance shall be 8 ohms. Dispersion shall be at least 130 degrees up to 250 HZ. It shall employ one KSI 250 watt cast frame 12" bass transducer in an optimally vented enclosure. Electrical input shall be made with a hardwire connection. The unit shall require an active crossover. The crossover frequency shall be no higher than 250 HZ. The unit shall have dimensions of 23.625" H by 23.625" W by 5.5" D. It shall mount in a standard 2x2 ceiling grid. The visible grille shall be finished with flame retardant acoustically transparent fabric and be white in color. The weight shall not exceed 32 pounds. All proprietary KSI fabrication techniques shall be employed to maximize performance and reliability. The model shall be known as the KSI Series III 12-1C subwoofer.. When the suffix FR is added to the model number, the backbox shall be fabricated from fire retardant particle board. The fire retardant model shall be known as the KSI Series III 12-1C-FR subwoofer..

801-C 2x2 Ceiling Loudspeaker

The unit shall have frequency response of at least 55-20,000 HZ +/- 3 db. It shall have sensitivity of at least 92 db 1 watt/1 meter. Power capacity shall be 40 watts continuous sine wave and 80 watts music/voice program. The nominal impedance shall be 8 ohms. Dispersion shall be at least 110 degrees up to 6000 HZ. It shall employ one KSI 80 watt 8" bass mid transducer and one KSI 50 watt 1" fabric dome high frequency transducer. There shall be no backbox. Acoustical loading will occur with the open space above the ceiling. Electrical input shall be made with a hardwire connection. The unit shall have dimensions of 23.625" H by 23.625" W by 3.5" D. It shall mount in a standard 2x2 ceiling grid. The visible grille shall be finished with flame retardant acoustically transparent fabric and be white in color. The weight shall not exceed 12 pounds. All proprietary KSI fabrication techniques shall be employed to maximize performance and reliability. The model shall be known as the KSI Series III 801-C. When the suffix FR is added to the model number, the baffle shall be fabricated from fire retardant particle board. The fire retardant model shall be known as the KSI Series III 801-C-FR.