

Lencore

THE LEADING MANUFACTURER OF SOUND MASKING AND ACOUSTICAL PANEL SOLUTIONS.

A GREAT SOUND MAKES NO NOISE®

LENCORE SPECTRA® SOUND MASKING SYSTEM

Plenum Secondary Series - Model LS6/LS4



Units shown are 6" diameter and are available in 6" and 4" height.

Lencore Spectra® Sound Masking LS6 and LS4 plenum secondary models duplicate the output of the main unit Model LM6 and LM4. Secondary units incorporate a high-quality custom driver within a damped metal enclosure.

Up to two secondary units are connected to a main unit that is solid state and consists of a CMOS/ MSI digital random sequence noise generator, electronic amplifier and filter for active spectrum shaping, and is equipped with a 10-step volume control plus an additional continuous volume control. Range of sound level: 56-86 dBA (measured at 1.5' from speaker). Additionally contained in the main unit is a continuous and completely separate volume control for paging/music.

The masking system can be uniquely adjusted to suit a variety of standard and non-standard ceiling conditions by making adjustments to the amplitude and spectra shapes. This adjustment can be made in increments of +/- ½ dB. In addition, the system has the adjustment capability to provide the most unobtrusive sound while obtaining the maximum speech privacy that meets ASTM E-1130 standards for speech privacy and sound uniformity. The spectrum shape adjustment ranges from 1 dB at 125 Hz to 20 dB at 8,000 Hz (typical).

The Spectrum Graph on following page (measured in A-scale) depicts the range of spectra attained with standard fiberglass or mineral ceiling tile. The lower spectra provides for the most unobtrusive sound, while the upper spectra provide for maximum speech privacy.

Lencore's Spectra® System can incorporate a high-quality paging and music system to handle all call paging, zoned paging, voice over IP, paging through the phone system, security and life safety paging.

Lencore's Spectra® can work in conjunction with Lencore's SPECT™ software program which serves as a diagnostic and planning tool for sound masking and paging systems to qualify and analyze the acoustical performance levels of your space, enabling a fact-based approach to predicting spatial and temporal uniformity of sound for sound masking.

Typical Applications For This Series

For use in traditional plenum space. Available height 6" and 4" models. All Lencore Sound Masking Systems are custom designed to meet local codes and to fit a variety of site conditions and applications in:

- Open Plan
- Closed Plan
- Retrofit
- New Construction

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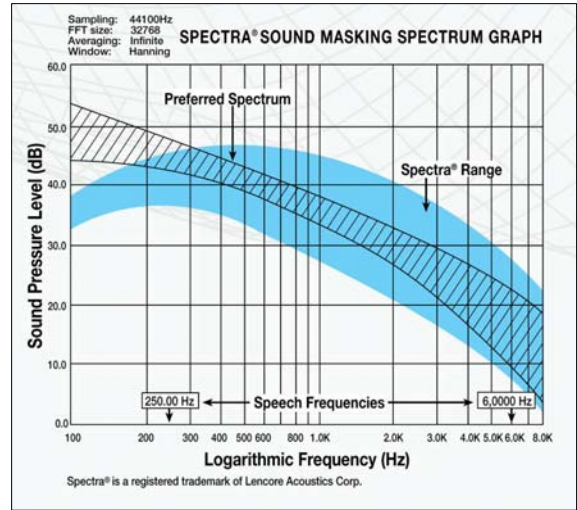
SPECIFICATIONS

Enclosure:

- Aluminum Housing
- Galvanized Perforated Grill
- Lightweight Mounting Chain
- Height: 6" LS6 4" LS4
- Diameter: 6" LS6 6" LS4
- Weight: 3 lbs. LS6 3 lbs. LS4

Loudspeaker:

- 5-inch-wide dispersion
- Power Rating: 10 watts RMS
- Frequency Response: 50-12,000 Hz
- Impedance: 16 Ohms
- Resonance: 82 Hz
- Magnet Weight: 10 oz.
- Magnet Structure Weight: 26 oz.
- Cone: Formed Fiber
- Cone Suspension: High Compliance Foam
- Voice Coil: 1-inch diameter
- Voice Coil Form: Anodized Aluminum



General Specifications with Main or Central Volume Control Units:

- Paging Input: 25v RMS at 12.5mW (50kOhms)
- Power Requirement: 16v/18v AC, 60 Hz at 50mA (typical no page)
- With Paging: Up to 200mA
- Output Adjustment: 15dB step-volume control
- Additional continuous control (56-86 dBA total), plus a central volume control that can control up to 50 masters for an additional attenuation of 15dB
- System can be tuned to +/- ½ dB

Wire Requirement:

- 18 gauge, plenum rated non-shielded 2, 4 or 6 conductor depending on application

Masking/Paging Units are UL Listed
for use in air handling spaces

Other Systems Also Available

Spectra i.Net™ (Networked) Spectra® (Networked), CrossNetOne™ (Networked), CrosswaysOne™

In-plenum and direct field
all available with paging/music.