

# Technical Data

## SoundTekk Spektrum Sound Masking

Commercial Acoustics' SoundTekk Spektrum Sound Masking System, powered by Lencore speakers, is an economical system used for Office Spaces, Libraries, and other applications up to 20,000 square feet. It is Ideal for providing superior speech comfort and privacy.



Desktop Units

The System is balanced and tuned in the plenum to provide a homogeneous background noise throughout the space. The Spektrum application is often the right fit when partitions do not go to deck (between adjacent offices) or direct line-of-site attenuation is not possible (open offices and libraries).

### Product Overview:

- Each Unit Covers Approximately 200 Square Feet
- Low Voltage (5V) & Energy Efficient
- Expert Support for System Design and On-Site Balancing & Tuning
- Tuning to +/- 0.5 dB. Done in field based on plenum to wall heights.
- Standard Sound Masking, as well as White Noise & Pink Noise Capabilities
- Standard Add-Ons: Remote Control for Volume Adjustments
- Optional Add-Ons: Central Control for Ramp-Ups and Daily Fluctuations
- Mass Notification, Paging, and Audio Capabilities
- ASTM standards for speech privacy as well as spatial and temporal uniformity of sound. UL listed for use in the plenum.

### Primary Applications

- Designed to meet local codes with field-adjusted flexibility for a variety of site conditions
- Open Plan Environment: Libraries, Call Centers, Reception Areas
- Closed Plan Environment: Private Office, Corporate Sites, ACT Celings
- Valid for Retrofits or New Construction



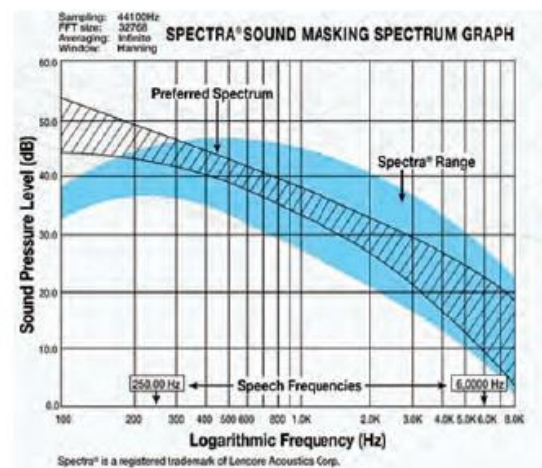
Key System Elements: Speaker Enclosures, Aluminum Housings & Wall-Mounted Control Panel

## Product Specifications:

- Paging Input: 25v RMS at 12.5mW (50kOhms)
- Power Requirement: 16v/18v AC, 60 Hz at 50mA
- 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  $\pm 1/2$  dB
- Comprised of at least 50% recycled Aluminum and recycled plastic content
- Maximum speech privacy meets ASTM E-1130 standards for speech privacy and sound uniformity

## Product Performance:

- LM6/ LM4: 56-86 dBA (measured at 1.5' from speaker)
- Spectrum ranges from 1dB at 125 Hz to 20dB at 8,000 Hz
- Sound Masking sources can produce 20Hz through 20,000Hz
- Works in conjunction with a sound engineers diagnostic and analyzing tools for sound masking and paging
- Conforms to ANSI standards
- Meets ASTM E-1130 standard for speech privacy and sound uniformity
- UL Listed for air handling space



Sound Masking Spectrum Graph