

# CLASSIC FLAT TOP SPEAKER

MODEL LM1



## FUNCTION

Lencore's Flat Top is the perfect way to add powerful sound to any environment. The Lencore Flat Top provides speech privacy in home offices, small waiting areas, under floor partitions and locations where it is difficult to install sound masking in the ceiling or plenum. It helps create speech privacy by generating a comfortable background sound.

Each Flat Top includes two self-contained speakers, an audio amplifier and a compact, lightweight, metal enclosure that is available when a portable solution for speech privacy is desired. Each unit contains a CMOS/ MSI digital random sequence noise generator and filter for active spectrum shaping.

Powered by 16/18 volts AC, the unit instantly mounts to any flat surface and is equipped with a 10-step volume control. The Lencore Flat Top can be uniquely adjusted to suit a variety of room conditions by making adjustments to the amplitude and spectra shapes. Adjustments can be made in increments of +/- 1/2 dB. In addition, the system has the adjustment capability to provide acoustical comfort to successfully mask intrusive speech to meet ASTM E-1130 standards for speech privacy and sound uniformity. The Lencore Flat Top is a complete sound masking system that includes everything you need to add great sound and speech privacy to your office or home environment.

## TYPICAL APPLICATIONS FOR THIS SERIES

For use in underfloor systems. All Lencore Sound Masking Systems are custom designed to fit a variety of site conditions and applications in:

- + Open Plan
- + Closed Plan
- + Retrofit
- + New Construction

## SPEAKER ENCLOSURE

- + Aluminum Housing
- + Height: 3"
- + Length: 8"
- + Width: 4.5
- + Weight: 2 lbs

## WIRE REQUIREMENT

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

## LOUDSPEAKER

- + Power Rating: 5 watts RMS
- + Frequency Response: 240-18,000 Hz
- + Impedance: 8 Ohms
- + Resonance: 240 Hz
- + Magnet Weight: 4.5 oz.
- + Cone: Treated Paper
- + Cone Suspension: High Compliance Foam
- + Voice Coil Form: Anodized Aluminum

## GENERAL SPECIFICATIONS

- + 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 +/- 1/2 dB