

## LENCORE SPECTRA® SOUND MASKING SYSTEM

### Painted Speaker Enclosure Specifications – Model LM6/LM4- Painted, LM6/LM4-HB



Model LM6-Painted



Model LM6-HB

The Lencore Spectra® Sound Masking painted junction box units consist of an individual self-contained noise generator, audio amplifier, loudspeaker, power supply unit in damped metal enclosure, powered by 16/18 volts AC and is capable of driving two secondary models. The speaker model LM6/LM4-HB has an integrated junction box to house cables.

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 shape. In addition, the system has the adjustment capability to provide the most unobtrusive sound while obtaining the maximum speech privacy. The spectrum shape adjustment ranges from 1dB at 125 Hz to 20 dB at 8,000 Hz (typical).

Each master unit and is solid state circuitry 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: 41-86 dBA. Additionally contained is a continuous and completely separate volume control for paging/music.

Speakers can be custom painted to blend with any environment and are available in 6" and 4" height. Wire is available in white from the unit.

These units each come with a 7' length of wire out of can (7' whip).

## TECHNICAL SPECIFICATIONS

### Speaker Enclosure:

Speaker Body: Aluminum Housing  
Grill Cover: Metal screen, with perforated 4½"grill  
Lightweight Mounting Chain  
Integrated Junction Box (LM6/LM4 –HB)  
Two speaker height available: 6" & 4"

### Height:

6" LM6-Painted/HB      4" LM4--Painted/HB

### Diameter:

6" LM6-Painted/HB      6" LM4--Painted/HB

### Weight:

3 lbs. LM6-Painted/HB      3 lbs. LM4-Painted/HB

### 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:

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 remote volume control of 15dB with a central volume control unit

### 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®, CrossNetOne™ (Networked),  
CrosswaysOne™

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