

SPECTRA®

PRODUCT SHEET & SPECIFICATIONS

EXPOSED DECORATIVE PAINTED UNIT WITH JUNCTION BOX MODEL LG035M6/LG035M4 – HB-D

TYPICAL APPLICATIONS FOR THIS SERIES

For use when a direct fired speaker is required or where a sheetrock or gypsum ceiling is in place and where speaker grills can be installed flush to the ceiling. 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



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

Each master unit and 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: 41-86 dBA. Additionally contained 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 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).

Specify this unit when open ceilings or site conditions require an exposed unit to meet the design aesthetic.

Speakers can be custom painted to blend with any environment and are available in both 6" and 4" height.

TECHNICAL SPECIFICATIONS

– SPEAKER ENCLOSURE:

- + Speaker Body: Aluminum Housing
- + Grill Cover: Metal screen, with perforated grill
- + Lightweight Mounting Chain
- + Integrated Junction Box
- + Two speaker height available: 6" & 4"
Height:
6" LG035M6-HB-D 4" LG035M4-HB-D
Diameter:
6" LG035M6-HB-D 6" LG035M4-HB-D
Weight:
3 lbs. LG035M6-HB-D 3 lbs. LG035M4-HB-D

– 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)

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