



# Model No. LT-8A-TM32-Vb 1x2 Speaker System for Tile Ceilings

- Includes 8" driver, transformer, 1x2 grille/subplate, volume backbox

Patented Integral T-Bar supports adjacent non-regular ceiling tile.\*

Quick install pro speaker system for suspended tile ceilings features premium 8" coaxial driver, 70V transformer, 1'x2' fine perforation grille with subplate and volume backbox. The patented assembly features an integral T-bar support that quickly replaces half of a non-regular 2'x2' ceiling tile or one-fourth of a non-regular 2'x4' ceiling tile. Ideal for foreground music.

## Features

- Driver (8A50): 8" 50W coaxial driver with 20 oz. LF ceramic magnet and 2 oz. HF ceramic magnet has a frequency response of 40Hz-19.4kHz ( $\pm 6\text{dB}$ ), 40Hz-20kHz ( $\pm 7.3\text{dB}$ ) and sensitivity of 90.6dB avg. measured 1W/1M. Provides excellent power handling and smooth sound reproduction.
- Transformer (TLM-3270A): 70V transformer has primary taps at 8, 16 and 32W.
- Grille with subplate (1'x2'): Fine-perforation grille is designed to provide maximum free-air space for excellent sound transmission while maintaining an unobtrusive appearance in new or existing tile ceilings. Includes an integral 2' T-bar to support neighboring non-regular ceiling tile. Quick install. White finish.
- Volume Backbox: 0.8 cu.ft. steel backbox with 1.5" thick acoustic lining enhances audio performance. Driver leads exit through a metal clamp for fast connection—just splice connecting wires, push them inside the enclosure and tighten the clamp. Black finish. Backbox is offset to fit around plenum obstructions.



Assembly is fabricated with a restraint tab in one corner and a hole in the diagonally opposite corner for (two cable) code compliance. Use the tip of a screwdriver to bend the tab out for tie-offs.



Mounted driver and transformer



Fine perforation grille.

## A&E Specifications

The speaker system for suspended tile ceilings shall be AVLELEC Model No. LT-8A-TM32-Vb. The 1'x2' system shall replace half of a non-regular 2'x2' ceiling tile or one-fourth of a non-regular 2'x4' ceiling tile and shall include an integral T-bar to support adjacent ceiling tile. Each speaker system shall include a factory-mounted driver mounted to a sub-plate with a fine perforation steel grille finished in white powder epoxy.

The driver shall be 8" coaxial with a power rating of 50W. It shall have ceramic magnet weight of 20 ozs. (LF) and 2 ozs. (HF), frequency response of 40Hz-19.4kHz ( $\pm 6\text{dB}$ ), 40Hz-20kHz ( $\pm 7.3\text{dB}$ ) and sensitivity of 90.6dB avg. measured 1W/1M. The driver shall include a factory wired 70V transformer with primary taps at 8, 16 and 32W. The system shall include a steel backbox (0.8 cu.ft.) with acoustic lining and leads exiting through a metal clamp.

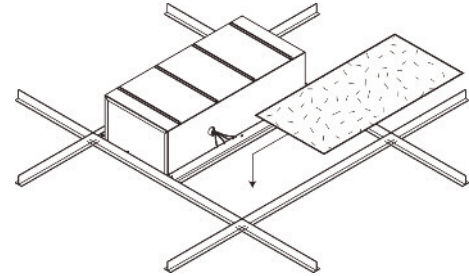
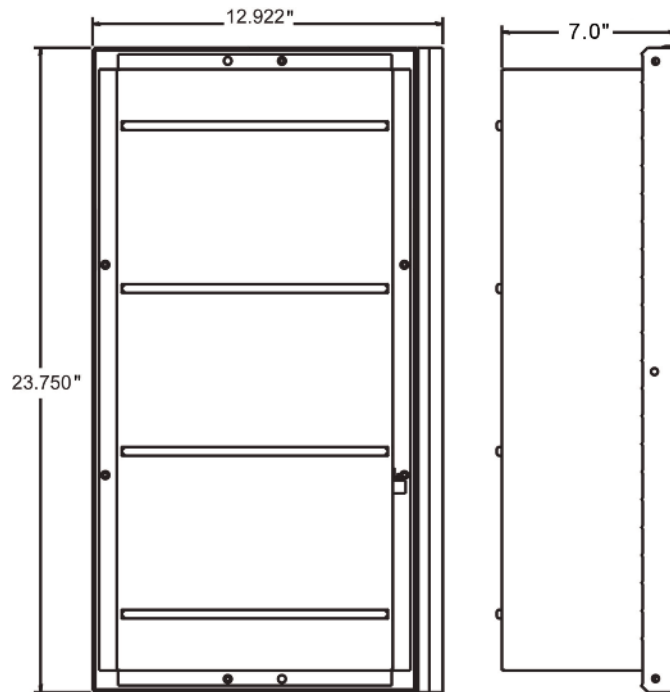
## Driver Specifications (half space)

Driver No.	Size	Power Rating	Type	Ceramic Magnet	Frequency Response	Dispersion @2000Hz -6dB	Voice Coil Impedance	Voice Coil Diameter	Sensitivity 1W / 1M	Max SPL**	Depth	Weight
8A50	8"	50W	Coaxial	20 oz. LF 2 oz. HF	40Hz-19.4kHz ( $\pm 6\text{dB}$ ) 40Hz-20kHz ( $\pm 7.3\text{dB}$ )	90 degrees conical	8 ohms	1.4" LF 0.53" HF	90.6dB Avg	107.6dB	3.85"	3.5 lbs.

\*\* Calculated value 1M @ driver power rating.  
 Additional technical information is available on the spec sheet for driver No. 8A50

\* U.S. patent no's. 7,120,269; D467,579; 7,643,647

## Drawings



**1'x2' installation:** Replaces half of a non-regular 2'x2' tile.  
Integral T-Bar supports non-regular tile that was cut.