



Model No.

LT-4A-T870-Vb

1x2 Speaker System for Tile Ceilings

- Includes 4" driver, 1x2 grille, transformer, backbox

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

Quick install speaker system for suspended tile ceilings features a 4" 30W coaxial driver, 1x2 fine perforation grille with subplate, transformer and 0.8 cu.ft. 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. System provides smooth musical sound reproduction for lounges, restaurants, lobbies, stores and similar venues.

Features

- **Driver (4A30):** 4" 30W coaxial speaker with 10 oz. low frequency and 2 oz. high-frequency magnets. It's engineered for distributed sound systems requiring a high performance coaxial speaker for even, high-frequency dispersion, low distortion and clear fidelity for foreground music. Speaker features post-mounted dome tweeter, effective crossover and woofer with long excursion, half-roll surround on poly cone. 8 ohm.
- **Transformer (TLM-870):** 70V transformer with primary taps at 1, 2, 4, 8W.
- **Grille with subplate (1x2):** 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.
- **Backbox (Vb):** 0.8 cu.ft. volume backbox with acoustic lining. Speaker leads exit through a metal clamp for fast connection—just splice connecting wires, push them inside the enclosure and tighten the clamp. Black finish.

A&E Specifications

The speaker system for suspended tile ceilings shall be AVLELEC Model No. LT-4A-T870-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 in-tegral T-bar to support adjacent ceiling tile. Each speaker system shall include a 1'x2' subplate with fine perforation steel grille finished in white powder epoxy. The driver



Assembly is fabricated with a hole in one corner and restraint tab 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 with factory-wired transformer

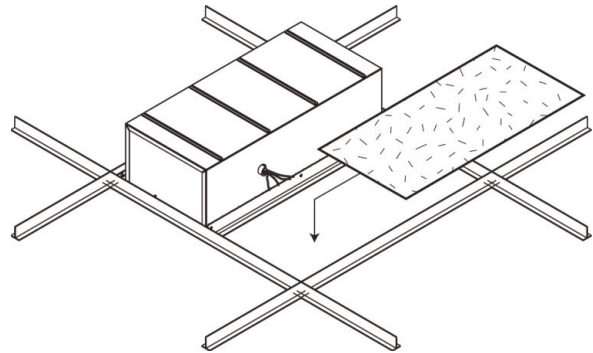
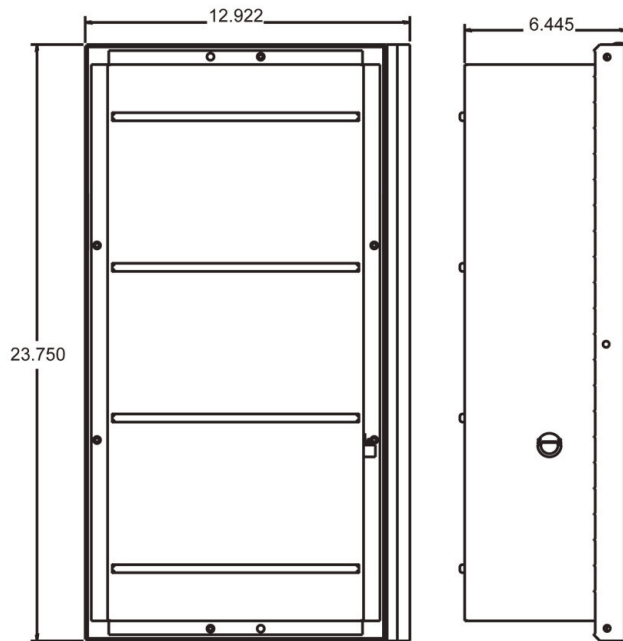


Fine perforation pattern grille

shall be 4" with a power rating of 30W. It shall have a magnet weight of 10 ozs., frequency response of 71Hz-20kHz (+6dB); 50Hz-20kHz (+8.8dB) and sensitivity of 88.0dB avg. measured 1W/1M. The driver shall include a factory wired 70V transformer with primary taps at 1, 2, 4, and 8W. The system shall also include a 0.8 cu.ft. steel backbox with 1.5" thick fiberglass lining and a black powder epoxy finish. Speaker connections shall exit the backbox through a metal clamp.

*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' ceiling tile or one-fourth of a non-regular 2'x4' ceiling tile. Integral T-Bar supports non-regular tile that was cut.

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 (w/o xfrm)	Weight (w/o xfrm)
4A30	4"	30W	coaxial	10 oz. LF .06 oz. HF	71Hz-20kHz (+6dB) 50Hz-20kHz (+8.8dB)	135 degrees conical	8 ohms	1" LF 1.75" HF	88.0dB avg	102.8dB	2.25"	1.75 lbs

*Calculated value 1M @ driver power rating.

Additional technical information is available on the spec sheet for driver No. 4A30.