

Model series: LT-8A , LT2-8A

# Lay-in Tile Packaged Speaker (pro sound, 8" speaker)

## Description:

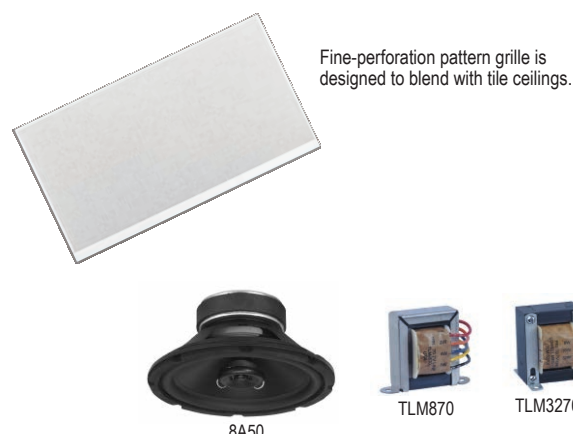
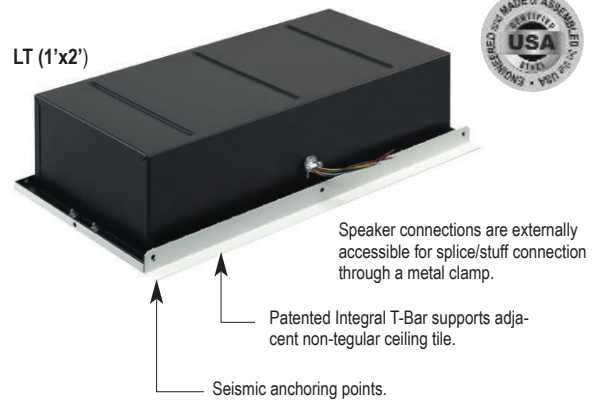
The LT pro-series provides quality performance in an easy installation for suspended ceiling applications, offering smooth musical sound reproduction for restaurants, lobbies and similar venues. System includes factory-wired speaker (optional transformer) mounted to (1 x 2 or 2 x 2) fine perforation grille and 0.8 cu.ft. acoustic backbox. The LT is shipped ready-to-install and does not require speaker cut-outs in the ceiling tile. **1 x 2 Assembly:** is supported by the T-Bar grid and includes an integral T-Bar support (US patent no's. 7,120,269; D467,579 and 7,643,647) for fast installation when replacing half of a non-regular 2 x 2 tile or one-fourth of a non-regular 2 x 4 tile. System includes speaker assembly mounted to 1 x 2 subplate with white grille, integral T-Bar, and pre-mounted (0.8 cu.ft.) volume backbox with acoustic lining for extended low frequency performance. Speaker leads exit backbox through metal clamp for fast connection. (Splice connecting wires, push them inside enclosure and tighten the clamp.) **2 x 2 Assembly:** is designed to replace a standard 2 x 2 ceiling tile and is supported by the T-bar grid. System includes factory-wired speaker assembly mounted to 2 x 2 subplate with white grille and mounted (0.8 cu.ft.) acoustic backbox that is offset to allow fit around plenum obstructions.

## Features:

- Speaker: model 8A50 8" 50W coaxial speaker engineered to provide excellent power handling and smooth sound reproduction.
- Grille: fine-perforation pattern grille, designed to provide maximum free-air space for excellent sound transmission, while maintaining an unobtrusive appearance in tile ceilings. The 1 x 2 grille includes an integral two-foot T-bar to support neighboring non-regular ceiling tile. The 2 x 2 grille replaces a single 2 x 2 ceiling tile. White powder epoxy finish.
- Backbox: 0.8 cu.ft. volume backbox (Vb) with acoustic lining. Black powder epoxy finish.
- Transformer selection:
  - TLM870: 70V with taps at 1, 2, 4, 8W (4-8 ohm)
  - TLM3270A: 70V with taps at 8, 16, 32W (4-8 ohm)

## A&E Specifications:

The speaker system for suspended tile ceilings shall be Lowell LT-series Model \_\_\_\_\_ ( 1'x2' or 2'x2' ). 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 the adjacent non-regular ceiling tile. The 2'x2' system shall directly replace a 2'x2' tile. Each system shall include a factory-mounted speaker (with optional wired transformer) mounted to a subplate with a fine perforation pattern steel grille finished in white powder epoxy and a factory-mounted steel backbox with a volume of 0.8 cu.in. lined with 1-1/2" thick fiberglass and finished in black powder epoxy. The speaker shall be an 8" coaxial with a power rating of 50W and a magnet weight of 20oz., frequency response of \_\_\_\_\_ and a sensitivity of \_\_\_\_\_ measured 1W/1M. The optional 70V transformer shall have primary taps at \_\_\_\_\_. Speaker connections shall exit the backbox through a metal clamp.



The LT features 8" speaker model 8A50 with an optional transformer.



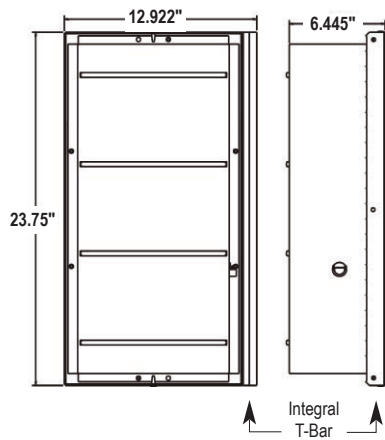
Model No.	Description	Speaker	Transformer	Taps	Backbox	Grille
LT-8A-Vb	1x2 LT Speaker System	8A50 (50W)	----	-----	Vb (0.8 cu.ft.)	White
LT-8A-T870-Vb	1x2 LT Speaker System	8A50 (50W)	TLM870	70V: 8, 4, 2, 1 W	Vb (0.8 cu.ft.)	White
LT-8A-TM32-Vb	1x2 LT Speaker System	8A50 (50W)	TLM3270A	70V: 32, 16, 8 W	Vb (0.8 cu.ft.)	White
LT2-8A-Vb	2x2 LT Speaker System	8A50 (50W)	----	-----	Vb (0.8 cu.ft.)	White
LT2-8A-T870-Vb	2x2 LT Speaker System	8A50 (50W)	TLM870	70V: 8, 4, 2, 1 W	Vb (0.8 cu.ft.)	White
LT2-8A-TM32-Vb	2x2 LT Speaker System	8A50 (50W)	TLM3270A	70V: 32, 16, 8 W	Vb (0.8 cu.ft.)	White

Spec. No. 1044  
(rev. 02.06.13)  
pg. 1 of 2

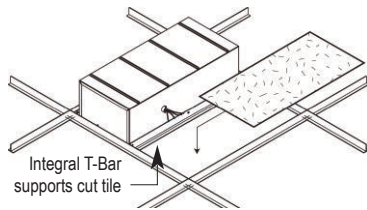
©2013 Lowell Manufacturing Company, 100 Ingram Dr., Pacific MO 63069. Phone-800.325.9660 Fax-636.257.6606. Lowell makes every effort to provide accurate information while reserving the right to change specifications and/or improve manufacturing methods without notification. (lowellmfg.com)



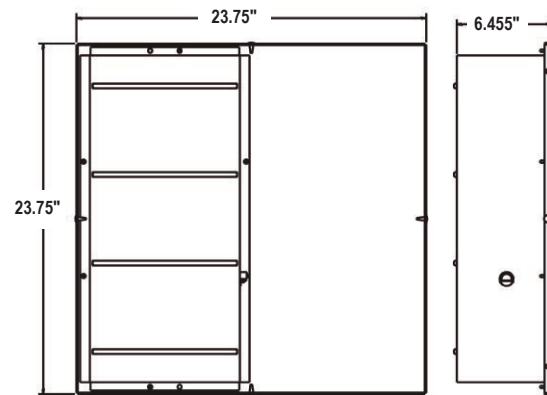
Includes restraint tabs (tie-offs) for code compliance.



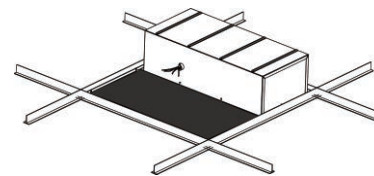
**Dimensions:** LT Series 1'x2' System with 0.8 cu.ft. backbox.



**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.



**Dimensions:** LT Series 2'x2' System with 0.8 cu.ft. backbox.



**2'x2' installation:** Replaces 2'x2' tile. Backbox is mounted to one side for positioning around plenum obstructions.

**Speaker Specs** (measured half space)

Speaker Model No.	Size	Power Rating	Type	Ceramic Magnet	Frequency Response	Dispersion (octave avg.)	Voice Coil Impedance	Voice Coil Diameter	Sensitivity 1W / 1M	Max SPL*	Depth (w/o xfmr)	Weight (w/o xfmr)
8A50	8"	50W	Coaxial A-series	20 oz. LF 2 oz. HF	40Hz - 20kHz +6dB 40Hz - 20kHz Nominal	110° @ 2000Hz -6dB	8 Ohms	1.4" LF 0.53" HF	90dB Avg	107dB	3.85"	3.5 lbs

\*Calculated value 1M @ speaker maximum power. Complete information including frequency and polar data is available on the speaker spec sheet.