

Quality Features

- Patented systems install quickly into a suspended tile ceiling to replace half of a 2' x 2' tile or one quarter of a 2' x 4' tile.
- Factory assemblies include wired speaker, transformer, grille, built-in T-bar cross support, and 0.8 cu.ft. backbox.
- Speaker is a 4" coaxial 8-ohm driver with or without 70V 8W transformer.
- Fine perforated grille blends with ceiling tiles and provides excellent acoustic transparency.
- Grille includes an integral T-bar to support neighboring tile so there are no extra parts to install or color match.
- Also available in a 1' x 2' version with 4" (15W) driver and 4"D value backbox. *Note: LT and LT Pro versions are also available with 6" or 8" drivers to meet various system requirements*

Description

LT Pro Series 1' x 2' lay-in tile speaker systems with volume backbox are engineered to provide fast and unobtrusive installation of high-quality paging and music in suspended tile ceilings. Labor saving systems with integral T-bar have been awarded two patents (#7,120,269 and #D46,579). They provide easy installation, requiring no speaker cut-outs in the tile or time consuming assembly. They simply replace half of a 2' x 2' tile or one quarter of a 2' x 4' tile and are supported by the T-bar grid. *Testimonials by many systems integrators state that "Lowell Tile Speaker Systems install two-times faster than conventional backbox systems; reducing labor costs by half".*

Ready-to-install systems include a speaker/transformer assembly mounted to a 1' x 2' sub-plate with fine-perforated grille, built-in T-bar cross support, and pre-mounted **point⁸** (.8 cu.ft.) volume backbox with acoustic lining for extended low frequency performance. Built-in T-bar cross support is a Lowell exclusive that saves installation time by eliminating the need to field cut or mount an extra ceiling grid frame member.

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LT SERIES 1' x 2' 4-INCH SPEAKER SYSTEMS (30W)♦

1' x 2' System Model (integral T-Bar)	Driver	Transformer Model	Transformer Taps	Grille	Backbox (mounted)
LT4A-Vb	4A30 (30W)	---	---	1' x 2' Fine perforated CRS w T-bar, white	0.8 cu.ft.
LT4A-T870-Vb	4A30 (30W)	TLM870	70V: 1, 2, 4, 8W	1' x 2' Fine perforated CRS w T-bar, white	0.8 cu.ft.

♦Lowell also offers LT Series 1' x 2' systems with 4-inch (15W) driver, 1' x 2' and 2' x 2' systems with 6-inch (40W) driver or 8" driver (12W-50W); and in labor saving 8" paging/masking versions with dual drivers.

DRIVER SPECIFICATIONS (measured half space)

Driver* Model	Size	Power Rating	Type	Ceramic Magnet	Frequency Response	Dispersion (octave avg.)	Voice Coil Impedance	Voice Coil Diameter	Sensitivity 1W / 1M	Depth (w/o xfmr)	Weight (w/o xfmr)
4A30	4"	30W	Coaxial	10 oz. LF A Series 0.06 oz. HF	80Hz - 20kHz ±6dB 40Hz - 20kHz Nominal	150° @ 2000Hz -6dB	8 Ohms	1" LF 0.5" HF	89dB Avg 94dB Peak	2.25"	1.75 lbs.

*Complete driver information including frequency and polar data is available on the specification sheet for the 4A30 driver.



LT Pro Series

4 inch 30W Tile Speaker Systems 1' x 2' with Volume Backbox

Description (continued)

Each assembly mounts as easily as a ceiling tile into the grid system and includes provisions, similar to a tile bridge, for tie-in to the building structure where required. For installation convenience, speaker leads are externally accessible through a metal conduit clamp for dependable and fast connection in the field.

System Driver is Lowell's A Series premium coaxial 8-ohm driver Model 4A30 (4" 30W). It is engineered to provide excellent power handling and smooth musical sound for use in upscale restaurants, lounges, hotel lobbies, department stores, and boutiques where a positive consumer listening experience is key to customer satisfaction. Assemblies are offered with or without a 70V 8W transformer. *General speaker and transformer specifications are shown on page 2; detailed performance data is outlined on each component's specification sheet.*

Architectural grille features a fine perforated pattern for a clean unobtrusive appearance. Grille is engineered to provide maximum free-air space for excellent speaker sound transmission and virtually invisible presentation of the speaker in new or exiting tile ceilings. The grille is precision-formed from perforated steel with an integral two-foot T-bar to support neighboring tile. Material and labor saving design eliminates the need to purchase, cut, and install a replacement grid member to support the adjacent tile. Assembly is finished in white powder epoxy for long lasting quality appearance.

A & E Specifications

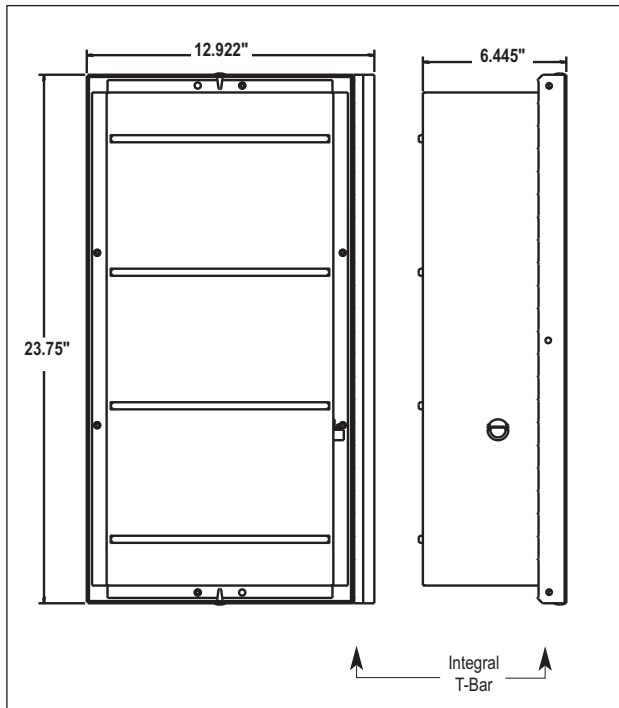
The speaker system for suspended tile ceilings shall be Lowell LT Pro Series Model _____ (LT4A30-Vb, LT4A30-T870Vb) It shall replace half of a 2' x 2' tile or one quarter of a 2' x 4' tile and shall include an integral T-Bar to support the adjacent ceiling tile.

Each system shall include a factory mounted speaker with wired transformer mounted to a sub-plate with a fine perforated steel grille finished in white powder epoxy. System shall also include a factory mounted steel backbox with a volume of 0.8cu.in. lined with 1-1/2 inch thick fiberglass and finished in black powder epoxy.

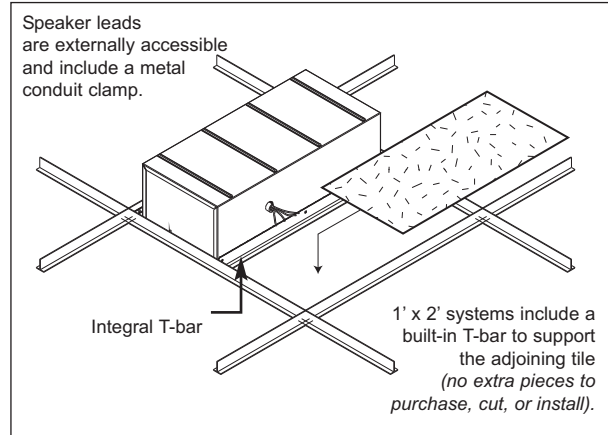
The speaker driver shall be 4" coaxial Model 4A30 with a power rating of 30W. It shall have a magnet weight of 10oz., frequency response of 80Hz - 20kHz \pm 6dB and a sensitivity of 89dB avg (94dB peak) measured 1W/1M. Speaker connections shall exit the backbox through a metal clamp.

Model LT4A-Vb shall be a direct 8-ohm (non 70V transformer) system.

Model LT4A-T870-Vb shall include 70V transformer Model TLM870 with primary taps at 1, 2, 4, and 8W for distributed applications.



Dimensions
LT Series 1' x 2' Systems
with 0.8 cu.ft. backbox



1' x 2' installation
Replaces 1/2 of a 2' x 2' or 1/4 of a 2' x 4' ceiling tile.
Integral T-Bar supports ceiling tile that was cut.

A
U
D
I
O

12"/10"
Speakers & Accessories

8"
Speakers & Accessories

6"
Speakers & Accessories


4"
Speakers & Accessories

Horn
Speakers & Accessories

Masking
Speakers & Generators

Control
Accessories & Electronics

Systems