

Quality Features

- Choose 1' x 2' tile assemblies with integral patented T-bar support or 2' x 2' tile replacement systems.
- Systems install quickly into suspended tile ceilings and are supported by the T-bar grid.
- Systems include a wired speaker, transformer, grille, and .8 cu.ft. backbox for extended low frequency performance.
- Fine perforated grilles blend with ceiling tiles and provide excellent acoustic transparency.
- Speaker selection includes 8" coaxial or 8" subwoofer driver with optional 70V transformer.
- Also available in economical 12W or 15W 8-inch speaker versions with protective backbox or with 4" or 6" speaker.

Description

LT Series speaker and subwoofer assemblies provide quality performance, unobtrusive appearance, and easy installation in suspended ceiling applications. Systems include a choice of factory wired driver mounted to a fine perforated grille (1' x 2' or 2' x 2') with wired transformer and factory mounted 0.8cu.ft. acoustic backbox. They are shipped ready to install and require no speaker cut-outs in the tile or time consuming assembly.

1' x 2' Systems are supported by the T-Bar grid and include an integral T-Bar support (*Patented*) for fast installation when replacing half of a 2' x 2' tile or one quarter of a 2' x 4' tile. Systems include a speaker/ transformer assembly mounted to a 1' x 2' subplate with a fine-perforated grille, integral T-Bar, and Lowell's pre-mounted **point⁸** (.8 cu.ft.) volume backbox with acoustic lining for extended low frequency performance. For installation convenience speaker leads exit the backbox through a metal clamp.

2' x 2' Systems are designed to replace a standard 2' x 2' tile and are supported by the T-bar grid. They include a factory wired speaker/transformer mounted to a 2' x 2' subplate with a fine-perforated grille and mounted **point⁸** (.8 cu.ft.) acoustic backbox. The backbox is offset to one side of the 2' x 2' grille allowing it to be rotated in the ceiling to install around plenum obstructions. For fast connection, speaker leads exit through a metal clamp.

System Drivers include Lowell's A Series premium coaxial driver Model 8A50 (8" 50W), commercial industry standard coaxial Model CT830 (8" 20W), and subwoofer Model 8S100 (8" 100W). Model 8A50 is engineered to provide excellent power handling and smooth musical sound for use in up-scale restaurants, lounges, hotel lobbies, department stores, and boutiques where a positive consumer listening experience is key to customer satisfaction. Model CT830 is ideal for high quality commercial applications where a 20W coaxial driver is specified. Subwoofer Model 8S100 mounted in the LT System allows for a subwoofer to be easily mounted in the ceiling along with other drivers. General specifications are on page 2; detailed performance data is outlined on each driver's specification sheet.

Architectural Grilles feature a fine perforated pattern for a clean unobtrusive appearance. Grilles are engineered to provide maximum free-air space for excellent speaker sound transmission while achieving virtually invisible presentation of the speaker in new or exiting tile ceilings. 1' x 2' grilles include an integral two-foot T-bar to support neighboring tile; 2' x 2' grilles simply replace a 2' x 2' tile. All are formed from perforated steel and finished in white powder epoxy for long lasting appearance.



LT Series

8inch 20W, 50W, 100W Tile Speaker Systems with Volume Backbox

A & E Specifications

The speaker system for suspended tile ceilings shall be Lowell LT Series Model _____ with grille size _____ (1' x 2', 2' x 2'). 1' x 2' systems 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. 2' x 2' systems shall directly replace a 2' x 2' tile.

Each system shall include a factory mounted speaker with wired transformer mounted to a subplate 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 _____ (8" coaxial, 8" subwoofer) with a power rating of _____(50W, 20W, 100W). It shall have a magnet weight of _____(20oz., 10oz., 33oz.), frequency response of _____ and a sensitivity of _____ measured 1W/1M. Optional 70V transformer shall have primary taps at _____. Speaker connections shall exit the backbox through a metal clamp.

LT SERIES 1' x 2' AND 2' X 2' SPEAKER SYSTEMS WITH VOLUME BACKBOX (50W, 20W, 100W))♦

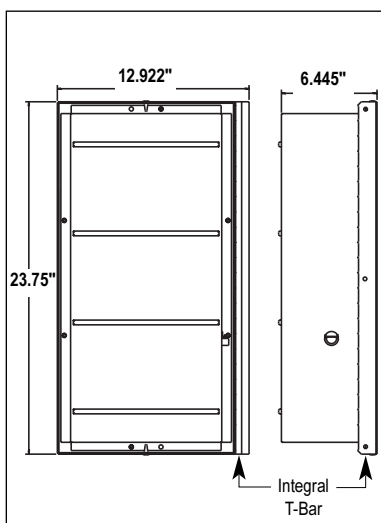
1' x 2' System Model (integral T-Bar)	2' x 2' System Model (Tile Replacement)	Driver	Transformer Model	Transformer Taps	Grille (1' x 2' or 2' x 2' - see Model)	Backbox (mounted)
LT8A-Vb	LT28A-Vb	8A50 (50W)	---	---	Fine perforated CRS, white	.8 cu.ft
LT8A-T870-Vb	LT28A-T870-Vb	8A50 (50W)	TLM870	70V: 8, 4, 2,1W	Fine perforated CRS, white	.8 cu.ft.
LT8A-TM16-Vb	LT28A-TM16-Vb	8A50 (50W)	TLM1670A	70V: 16, 8, 4W	Fine perforated CRS, white	.8 cu.ft.
LT8A-TM32-Vb	LT28A-TM32-Vb	8A50 (50W)	TLM3270	70V: 32, 16, 8W	Fine perforated CRS, white	.8 cu.ft.
---	LT2830-T870-Vb	CT830 (20W)	TLM870	70V: 8, 4, 2,1W	Fine perforated CRS, white	.8 cu.ft.
---	LT2830-TM16-Vb	CT830 (20W)	TLM1670A	70V: 16, 8, 4W	Fine perforated CRS, white	.8 cu.ft.
LT8S-Vb	LT28S-Vb	8S100 (100W)	---	---	Fine perforated CRS, white	.8 cu.ft.
LT8S-TS100Vb	LT28S-TS100Vb	8S100 (100W)	TLS10070	70V: 100, 64, 32,16W	Fine perforated CRS, white	.8 cu.ft.

♦Lowell also offers LT Series 1' x 2' and 2' x 2' systems with 4" (15W) driver, 6" (40W) driver, or 8" (12 - 100W) driver; and in labor saving 8" paging/masking versions with dual drivers.

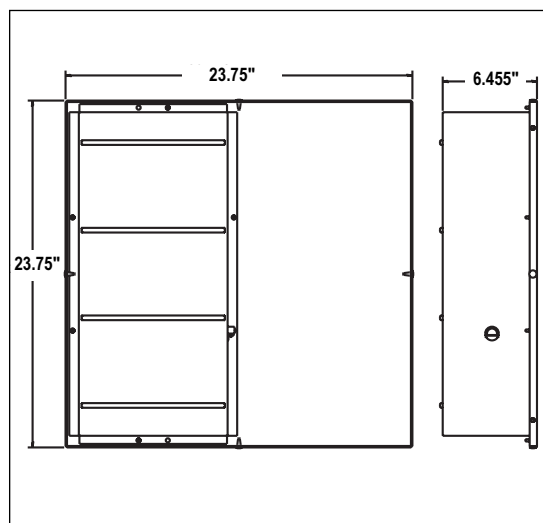
DRIVER SPECIFICATIONS (measured half space)

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)
8A50	8"	50W	Coaxial	20 oz. LF	40Hz - 20kHz +6dB	110° @	8 Ohms	1.4" LF	90dB Avg	3.85"	3.5 lbs
				A Series 2 oz. HF	40Hz - 20kHz Nominal	2000Hz -6dB	0.53" HF	95dB Peak			
CT830	8"	20W	Coaxial	10 oz. LF	50Hz - 17.5kHz +6dB	85° @	8 Ohms	1" LF	96dB Avg	3.0"	2.4 lbs.
				2.1 oz. HF	50Hz - 19kHz Nominal	2000Hz -6dB	0.57" HF	100dB Peak			
8S100	8"	100W	Subwoofer	33 oz.	30Hz - 1000Hz ±4dB	Omni-directional	8 Ohms	1.5"	85dB Avg	4.25"	5.4 lbs.
					25Hz - 2000Hz Nominal			89dB Peak			

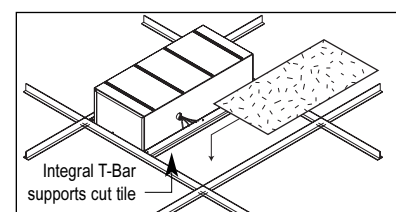
*Complete driver information including frequency and polar data is available on the specification sheet for each driver.



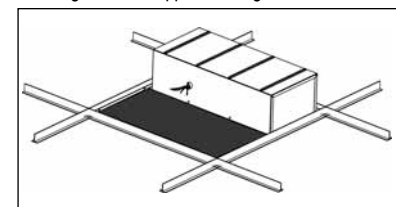
Dimensions
LT Series 1' x 2' Systems
with 0.8 cu.ft. backbox



Dimensions
LT Series 2' 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.



2' x 2' installation
Replaces a 2' x 2' tile.
Backbox is mounted to one side for versatile placement around plenum obstructions.

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