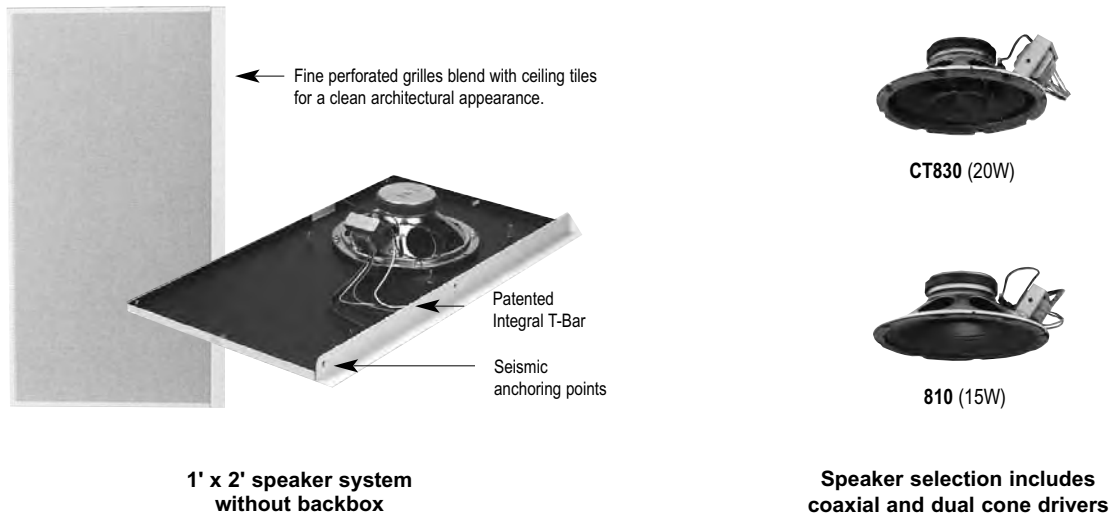


#### 1' x 2' Systems with integral T-Bar replace half of a 2' x 2' ceiling tile or 1/4 or a 2' x 4' tile.



## 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 and built-in T-bar cross support
- Speaker selection includes 8" coaxial or 8" dual cone driver with 70V or 25/70V 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 2' x 2' and 1' x 2' versions with protective or volume backbox and 8" 12W-50W driver, 4" or 6" driver.

## Description

LT Series, patented lay-in tile speaker systems, are engineered to provide fast and unobtrusive installation of high-quality paging and music in suspended tile ceilings. Ready-to-install 1' x 2' systems require 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.

Selection includes choice of factory wired speaker/transformer assembly mounted to a 1' x 2' subplate with fine-perforated grille and built-in T-bar cross support (*US patent #7,120,269 and #D46,579*). Built-in T-bar is a Lowell exclusive that saves installation time by eliminating the need to field cut or mount an extra ceiling grid frame member. 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.

**System Drivers** include Lowell's 8" 20W coaxial Model CT830 or 8" 15W dual-cone Model 810. Each is designed and manufactured to assure consistent performance with clear intelligibility and wide dispersion. Assemblies include an optional factory wired 70V or 25/70V transformer. See also *LT Series 1' x 2' and 2' x 2' systems with protective backbox or volume backbox and 8" 12-50W driver, 6" 40W driver, or 4" 15W driver. 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 existing 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.



## LT Series

### 8 inch 20W and 15W Tile Speaker Systems with no Backbox

#### A & E Specifications

The speaker system for suspended tile ceilings shall be Lowell LT Series 1' x 2' tile replacement speaker system Model \_\_\_\_\_ with factory installed backbox or Model \_\_\_\_\_ without backbox. System shall include a factory mounted speaker with wired transformer mounted to a 1' x 2' sub-plate with a fine perforated grille and integral T-bar member finished in white powder epoxy. System shall be engineered to replace half of a 2' x 2' tile or one quarter of a 2' x 4' tile and shall be supported by the ceiling grid system.

The speaker driver shall be \_\_\_\_\_ (8" coaxial, 8" dual cone) with an RMS power rating of \_\_\_\_\_ (20W, 15W). It shall have a magnet weight of 10oz., frequency response of \_\_\_\_\_ and a sensitivity of \_\_\_\_\_ measured 1W/1M. The wired transformer shall be \_\_\_\_\_ (70V or 25/70V) with primary taps at \_\_\_\_\_ (1, 2, 4, 8W or 0.25, 0.5, 1, 2, 5W).

#### LT SERIES 1' x 2' SPEAKER SYSTEMS WITH NO BACKBOX (20W, 15W)♦

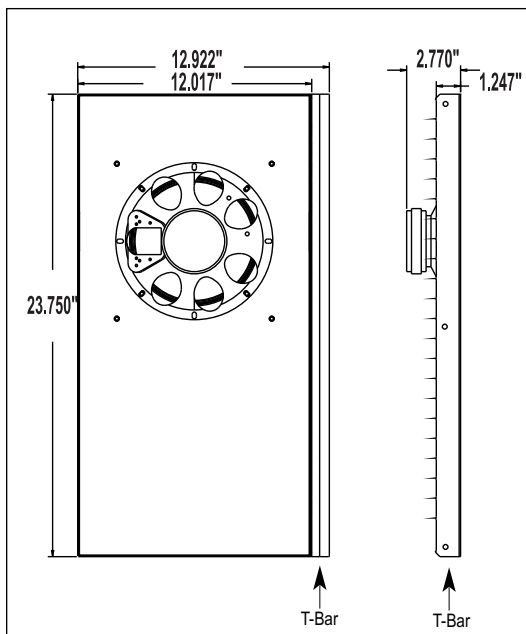
System Model	Driver	Transformer Model	Transformer Voltage	Transformer Taps	Grille	Backbox
LT830-870	CT830 (20W)	TLM870	70V	1, 2, 4, 8W	1' x 2' fine perforated CRS w T-bar white	N.A.**
LT810-72	810 (15W)	TLM572	25/70V	0.25, 0.5, 1, 2, 5W	1' x 2' fine perforated CRS w T-bar white	N.A.**
LT810	810 (15W)	--	--	--	1' x 2' fine perforated CRS w T-bar white	N.A.**

\*\*Models without backbox will accept a field mounted backbox if desired (order separately, Series 8XD4 or Series XCP in 4", 5", 7", or 10" depths).

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

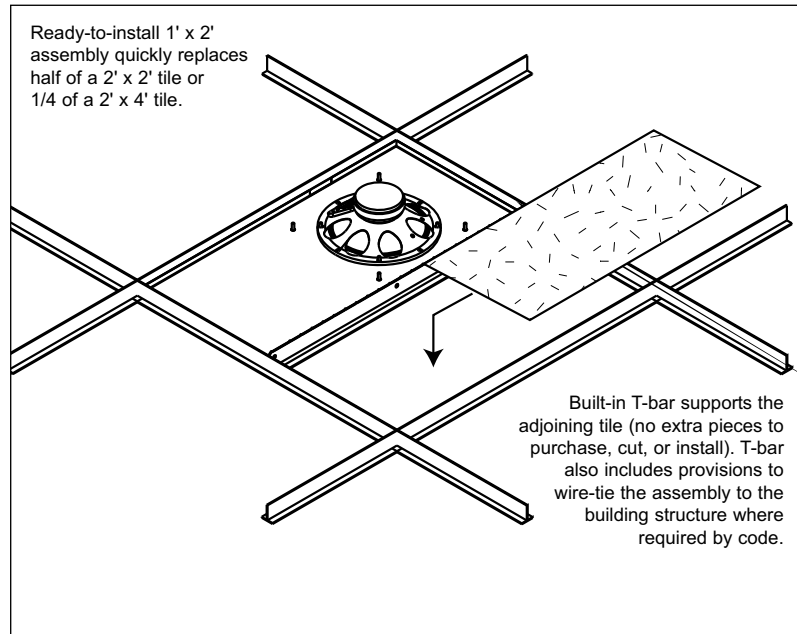
#### DRIVER SPECIFICATIONS (measured half space)

Driver Model	Size	Power Rating	Type	Ceramic Magnet	Frequency Response	Dispersion	Voice Coil Impedance	Voice Coil Diameter	Sensitivity 1W / 1M	Depth (w/o xfmr)	Weight (w/o xfmr)
CT830	8"	20W	Coaxial	10 oz. LF 2.1 oz. HF	50Hz - 17.5kHz ±6dB 50Hz - 19kHz Nominal	85° @ 2000Hz -6dB	8 Ohms	1" LF 0.57" HF	96dB Avg 100dB Peak	3.0"	2.4 lbs.
810	8"	15W	Dual cone	10 oz.	47Hz - 20kHz ±6dB	120° @ 2000Hz -6dB	8 Ohms	1"	95dB Avg 100dB Peak	2.84"	2.0 lbs



#### Dimensions

LT Series 1' x 2' system with 8XD4-style backbox



#### Installation Features

LT Series 1' x 2'

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