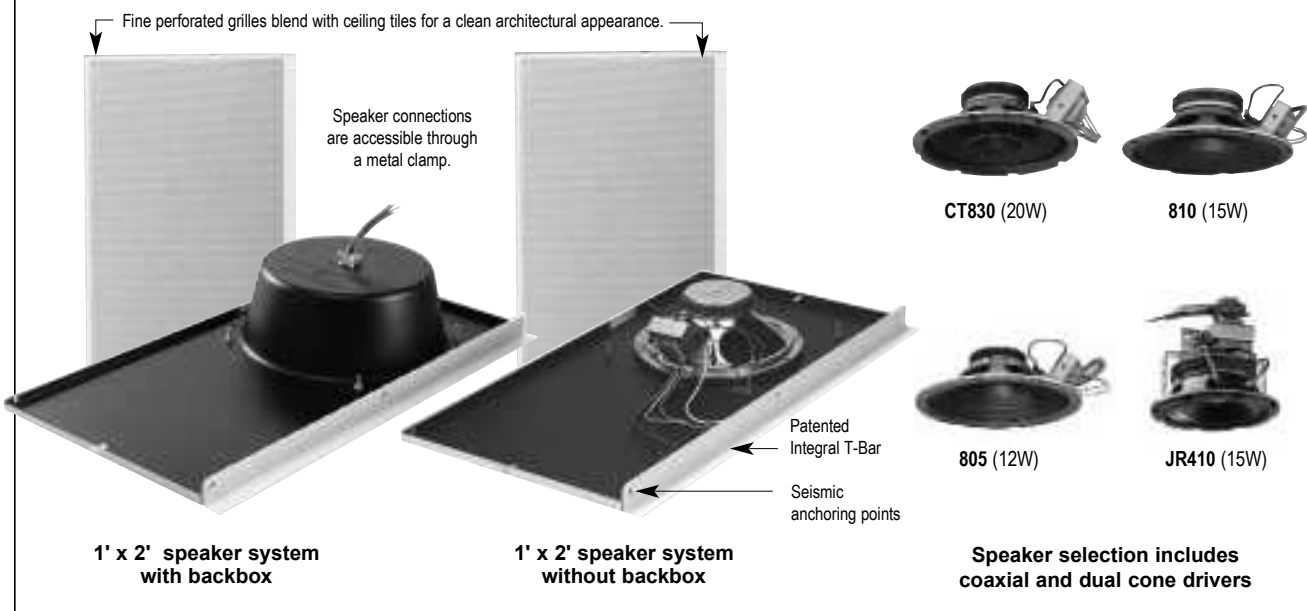


LT Series

1' x 2' Lay-in Tile Speaker Systems

20W, 15W, 12W

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, built-in T-bar cross support, and optional backbox.
- Speaker selection includes 8" coaxial, 8" dual cone, or 4" high compliance 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.
- Choose systems with or without mounted backbox.
- Also available with a 100W subwoofer, 40W, or 50W coaxial driver in a 1' x 2' or a 2' x 2' version with volume backbox.

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' sub-plate with fine-perforated grille, built-in T-bar cross support, and optional factory installed backbox. 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. 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. Models with factory installed backbox feature externally accessible speaker leads that exit through a metal conduit clamp for dependable and fast connection in the field.

System Drivers include Lowell's 8" 20W coaxial Model CT830, 8" 15W dual-cone Model 810, 8" 12W dual-cone Model 805, or 4" 15W Model JR410. Each is designed and manufactured to assure consistent performance with clear intelligibility and wide dispersion. Assemblies include a factory wired 70V or 25/70V transformer. See also *LT Series 1' x 2' and 2' x 2' systems with 100W subwoofer driver or 40W or 50W high-fidelity coaxial driver in volume backbox. 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.

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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, 4" high compliance cone) with an RMS power rating of _____ (20W, 15W, 12W). It shall have a magnet weight of _____ (10oz., 5oz.), 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 .5, 1, 2, 4W).

LT SERIES 1' x 2' SPEAKER SYSTEMS (20W, 15W, 12W)♦

System Model	Driver	Transformer Model	Transformer Voltage	Transformer Taps	Grille	Backbox (mounted)
1' X 2' SPEAKER SYSTEMS WITH PRE-MOUNTED BACKBOX						
LT810-72BB	810	TLM72	25/70V	.5, 1, 2, 4W	1' x 2' fine perforated CRS w T-bar white	8XD4-style mounted & wired*
LT805-72BB	805	TLM72	25/70V	.5, 1, 2, 4W	1' x 2' fine perforated CRS w T-bar white	8XD4-style mounted & wired*
LT410-870BB	JR410	TLM870	70V	1, 2, 4, 8W	1' x 2' fine perforated CRS w T-bar white	8XD4-style mounted & wired*
1' X 2' SPEAKER SYSTEMS WITHOUT BACKBOX						
LT830-870	CT830	TLM870	70V	1, 2, 4, 8W	1' x 2' fine perforated CRS w T-bar white	N.A.**
LT810-72	810	TLM72	25/70V	.5, 1, 2, 4W	1' x 2' fine perforated CRS w T-bar white	N.A.**
LT805-72	805	TLM72	25/70V	.5, 1, 2, 4W	1' x 2' fine perforated CRS w T-bar white	N.A.**
LT410-870	JR410	TLM870	70V	1, 2, 4, 8W	1' x 2' fine perforated CRS w T-bar white	N.A.**

*Mounted backbox (8XD4-style without side knockouts) is 4" deep and features externally accessible speaker leads exiting through a metal conduit clamp. Finish is black powder epoxy.

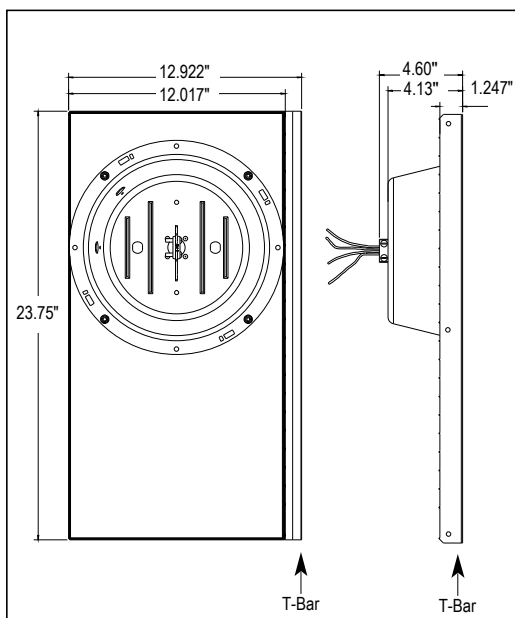
**Models without backbox will accept a field mounted backbox if desired (order separately, Series 8XD4 or Series XCP in 4", 5", 7", or 10" depths).

♦Lowell also offers LT Series 1' x 2' and 2' x 2' Systems with 100W subwoofer or 20W, 40W, or 50W driver with 0.8cu.ft. backbox. See spec sheet number 2a-205.

DRIVER SPECIFICATIONS (measured half space)

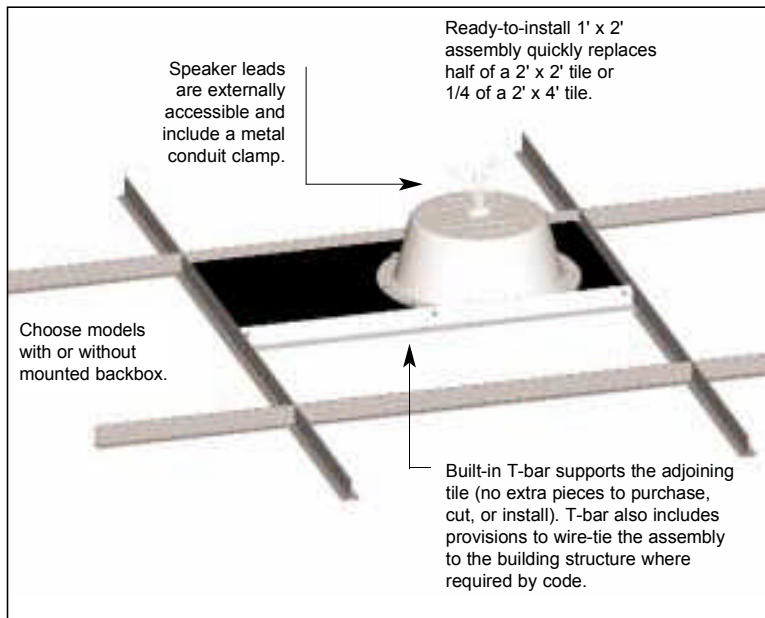
Driver Model	Size	Power Rating	Type	Ceramic Magnet	Frequency Response	Dispersion	Voice Coil Impedance	Voice Coil Diameter	Sensitivity 1W / 1M	Depth (w/o xfmr)	Weight (w/o xfmr)
CT830	8"	20W	Coaxial	10 oz. LF 2.1 oz. HF	50Hz - 17.5kHz +6dB 50Hz - 19kHz Nominal	85° @ 2000Hz -6dB	8 Ohms	1" LF 0.57" HF	96dB Avg 100dB Peak	3.0"	2.4 lbs.
810	8"	15W	Dual cone	10 oz.	45Hz - 13kHz +6dB 45Hz - 18kHz Nominal	120° @ 2000Hz -6dB	8 Ohms	1"	95dB Avg 100dB Peak	2.84"	2.0 lbs
805	8"	12W	Dual cone	5 oz.	55Hz - 12.5kHz +6dB 55Hz - 18kHz Nominal	120° @ 2000Hz -6dB	8 Ohms	1"	93dB Avg 98dB Peak	2.68"	1.3 lbs.
JR410	4"	15W	High compliance	10 oz.	100Hz - 14kHz +6dB 100Hz - 16kHz Nominal	170° @ 2000Hz -6dB	8 Ohms	1"	91dB Avg 97dB Peak	2.08"	1.7lbs.

♦Lowell also offers LT Series 1' x 2' and 2' x 2' Systems with 100W subwoofer or 20W, 40W, or 50W driver with 0.8cu.ft. backbox. See spec sheet number 2a-205.



Dimensions

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



Installation Features

LT Series 1' x 2'

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