

The assembly features two drivers — one fires down for music/paging and one fires up for sound masking.

The patented T-bar support for neighboring (cut) tile simplifies installation.*

*US patents 7,120,269; D467,579; 7,643,647



DESCRIPTION:

Unique loudspeaker assembly for suspended tile ceilings (non-regular) features two drivers to provide music/paging plus sound masking from one assembly. The 1' x 2' assembly features a patented T-bar to support the neighboring (cut) tile and simplify installation. Ships ready to install.

CONSTRUCTION & FEATURES:

- **Assembly Dimensions (1' x 2'):** 23.75"L x 12.92"W x 6.45"H
- **Drivers:** Features two 8" 15W dual-cone drivers. One driver fires down for music/voice transmission while the other driver fires up to shape the sound masking noise.
- **Transformers:** Features two (2) factory-wired 70V transformers with rotary knob tap selection switches. Taps are at 0.25, 0.5, 1, 2, and 4W.
- **Grilles:** The assembly features a 1' x 2' black subplate and fine perforation white steel grille to provide maximum free-air space for excellent music/voice transmission. The top of the enclosure features an integral round grille for the sound masking driver.
- **Enclosure:** Steel enclosure with black powder epoxy finish is partitioned to provide 700 cu.in. volume for each driver. Includes acoustic lining (1" fiberglass batting).
- **Third-party Listings:** UL Listed for UL1480A, UL2043 for use in return air plenum space, and CSA 22.2 No. 205-12 for use in Canada.
- **Country of Origin:** Made in U.S.A. with global components

- **Installation:** For non-regular ceiling tile only.

- The 1' x 2' assembly replaces half of a 2' x 2' non-regular ceiling tile or one-fourth of a 2' x 4' non-regular tile.
- An integral patented T-bar supports neighboring cut tile to simplify installation.
- The assembly has a restraint tab in one corner and a hole in the diagonally opposite corner for two-cable tie-off for code compliance (cable not included).

A&E SPECIFICATIONS:

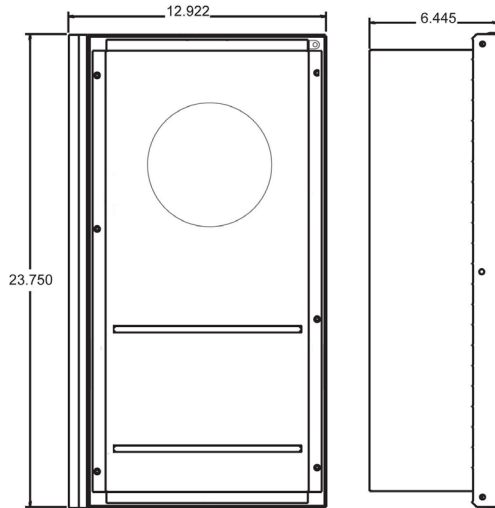
The speaker for installation in a suspended tile (non-regular) ceiling shall be Lowell Model LT-810-SM810, which shall be a 1' x 2' system to replace half of a non-regular 2' x 2' ceiling tile or 1/4 of a non-regular 2' x 4' ceiling tile. The assembly shall include an integral T-Bar to support the adjacent cut ceiling tile, black steel backbox with acoustic lining, two factory-mounted 8" 15W dual-cone drivers (one fires up, one fires down), two 70V transformers, and a subplate with fine perforation white grille. The assembly shall have a restraint tab in one corner and a hole in the opposite corner for (two-cable) tie-off for code compliance. Overall dimensions shall be 23.75"L x 12.92"W x 6.45"H. The assembly shall be made in the USA with global components.



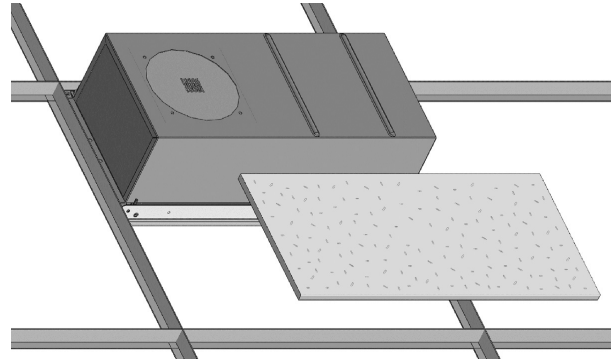
Driver Specs (measured half space)

| Driver | Size | Power Rating | Type | Ceramic Magnet | Frequency Response | Dispersion (2000 Hz Octave) | Voice Coil Impedance | Voice Coil Diameter | Sensitivity 1W/1M | Max SPL* | Depth without xfrm | Weight without xfrm |
|--------|------|--------------|-----------|----------------|--|-----------------------------|----------------------|---------------------|-------------------|----------|--------------------|---------------------|
| 810 | 8" | 15W | Dual cone | 10 oz. | 54 Hz–11.6 kHz (±6dB) 50 Hz–20 kHz (±6.6dB) | 95° conical (–6dB) | 8 ohms | 1" | 97.9dB avg. | 109.7dB | 2.84" | 2.0 lbs. |

* Calculated Value 1M @ Driver Power Rating. Complete information, including frequency and polar data, is available on the spec sheet for driver model 810.



The 1' x 2' assembly is fabricated with a hole in one corner and a restraint tab in the opposite corner for two cable tie-off code compliance. Use the tip of a screwdriver to bend the restraint tab out for tie-off.



The integral T-bar supports the neighboring (cut) tile to simplify installation. *Note: The speaker assembly is for use with non-regular ceiling tile only. The 1' x 2' unit replaces half of a 2' x 2' ceiling tile, or one-fourth of a 2' x 4' ceiling tile.*

LT--SM Music/Paging + Sound Masking Speaker Series

| Model No. | L x W x H | Grille | Driver | Transformer | Taps | Enclosure Volume | Volume Control* |
|---------------------|--------------------------------|----------------|-------------------------|----------------|--------------------------|-------------------------------|-----------------|
| LT-810-SM810 | 23.75" x 12.92" x 6.45" | 1' x 2' | (2) 8" dual cone | (2) 70V | .25, .5, 1, 2, 4W | 700 cu.in (per driver) | --- |
| LT-810-SM810-VL | 23.75" x 12.92" x 6.45" | 1' x 2' | (2) 8" dual cone | (2) 70V | .25, .5, 1, 2, 4W | 700 cu.in (per driver) | Yes |
| LT2-810-SM810 | 23.75" x 23.75" x 6.45" | 2' x 2' | (2) 8" dual cone | (2) 70V | .25, .5, 1, 2, 4W | 700 cu.in (per driver) | --- |
| LT2-810-SM810-VL | 23.75" x 23.75" x 6.45" | 2' x 2' | (2) 8" dual cone | (2) 70V | .25, .5, 1, 2, 4W | 700 cu.in (per driver) | Yes |

*Volume control is for sound masking driver only

