

# LA series

LA880i and LA808i // LA



## Line Array Column Loudspeaker // LA

The SoundTube LA880i is not a typical line array column loudspeaker. It is an advanced LAPS (Line Array-Point Source) 3-way design that provides a very short near-field extent and robust far-field performance. Frequency tapering of low and mid frequency pass bands allows the LA880i to maintain a more consistent ratio of array height to radiated wavelength, ensuring a stable vertical beamwidth that out-performs many other single box line arrays.

The LAPS technology in the LA880i makes the speaker's near-field shorter than most other line arrays. Because its effective line length is kept relatively constant as a function of frequency, the near-field to far-field transition occurs at only 3 meters from the speaker. Beyond this distance, there is no change in the frequency response or the directivity pattern of the speaker (40 x 120 degrees).

Featuring eight 4.5-inch woofers, eight 2-inch midrange drivers and one 2.5-inch planar magnetics (ribbon) high frequency driver for extremely smooth high frequency response, the LA880i achieves superb coverage in an enclosure measuring only 7.91" x 40.87" x 11.99". Numerous mounting options allow the use of the LA880i on walls, near ceilings, on poles, or suspended via cables.

Additional low frequency directivity can be achieved with the addition of the LA808i LFDE (Low Frequency Directivity Element). NOT a subwoofer, the LA808i adds eight 4.5-inch woofers to the system to extend the directivity control by up to an octave lower in frequency than with the LA880i alone. Its use is recommended in areas with a high reverberation time.

## Features // LA

3-way line array featuring 8 low-frequency drivers, 8 mid-range units, and a high power-handling ribbon tweeter

Constant directivity of 40x120 degrees with consistent frequency response throughout the coverage area

LAPS (Line Array-Point Source) technology provides near-field to far-field transition in only 3 meters

LA808i Low Frequency Directivity Element adds about an octave of directivity control to low frequencies

Multiple input options (Euroblock or Speakon connectors) with daisy-chaining capability

**SOUNDTUBE®**

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Mass Transit Facilities



Houses of Worship



Small Auditoriums



Public Gathering Places

## Applications // LA

The LA880i is ideal for PA and sound reinforcement applications wherever large groups of people may be present. Typical applications include large houses of worship, university lecture halls, transportation centers such as train platforms, and airport terminals. In highly reverberant situations, adding the LA808i LFDE will improve low frequency directivity in the space.

## Custom Finishes // LA

Customers who want their line array to blend perfectly into the surroundings can be accommodated through custom cabinetry. SoundTube's sister company Induction Dynamics has a world class woodshop in Lenexa, Kansas that can produce custom cabinets for the LA880i and LA808i LFDE, using a variety of paint colors or woodgrains. In addition to custom colors and woodgrains for the cabinet, we can offer 63 different grille cloth colors. A custom cabinet can bring extra warmth to an elegant house of worship or an advanced, modern transportation center. Call our sales team for details and pricing.



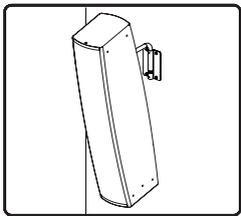
Example of Custom Finishes

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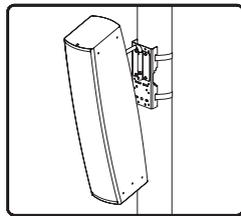


## Mounting options // LA

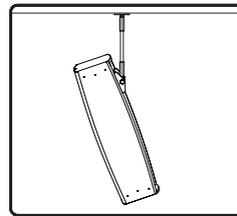
The LA880i may be flush-mounted to a wall, tilt-mounted near a ceiling, suspended from a ceiling, pole mounted or flown. Numerous mounting points are provided on the speaker for attachment of mounting hardware (hardware is sold separately and is also available through the manufacturer, Allen Products).



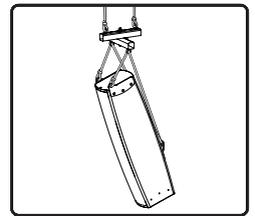
Surface mount



Pole mount



Ceiling mount



Fly mount



Double Unit Mounting Plate



Single Unit Mounting Plate

SoundTube mounting plates provide for attachment of wall mount / pole mount brackets, suspension cables, and the LA808i LFDE. The AC-LA8-BACK back plate is included with both line array products, and the AC-LA8-LINK side plates are included with the LA808i LFDE. The AC-LA8-FLY hanging adapter is available separately.

The LA808i LFDE must always be mounted directly above or below the LA880i. Attachment points are available at the top and bottom of both units for connecting the two via the side plates, then the pair can be mounted or flown as a single unit. It is also possible to mount a second LA808i either above or below the two units if additional low frequency directivity is desired.

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The LA880i uses eight 4.5-inch woofers, eight 2-inch midrange drivers and one 2.5-inch planar magnetics (ribbon) tweeter in an advanced design that provides a very short near-field extent and solid far-field performance.



### Preliminary Spec Table // LA

|                                    | LA880i               | LA880i with LA808i   |
|------------------------------------|----------------------|----------------------|
| <b>Sensitivity</b>                 | 92 dB                | 93 dB                |
| <b>Frequency Response (-3 dB)</b>  | 70 Hz – 16 kHz       | 65 Hz – 15 kHz       |
| <b>Frequency Response (-6 dB)</b>  | 62 Hz – 18 kHz       | 57 Hz – 17 kHz       |
| <b>Frequency Response (-10 dB)</b> | 55 Hz – 20 kHz       | 50 Hz – 20 kHz       |
| <b>Max SPL (1 m)</b>               | 116 dB               | 117 dB               |
| <b>Power Handling</b>              | 500 W                | 500 W                |
| <b>Impedance</b>                   | 4 Ω                  | 4 Ω                  |
| <b>Beamwidth, Horizontal</b>       | 120° (500-10k)       | 120° (500-10k)       |
| <b>Beamwidth, Vertical</b>         | 40° (500-10k)        | 40° (250-10k)        |
| <b>Height</b>                      | 1038mm (40.87 in.)   | 2076mm (81.74 in.)   |
| <b>Width</b>                       | 200.80mm (7.91 in.)  | 200.80mm (7.91 in.)  |
| <b>Depth</b>                       | 304.56mm (11.99 in.) | 304.56mm (11.99 in.) |
| <b>Weight</b>                      | 40.0lbs              | 74.5lbs              |