



## Product description

VLS 7 is a passive column array loudspeaker with a complement of 7 × 3.5" (89 mm) LF transducers mounted in a vertical array, designed for speech-only applications.

VLS Series is the first Tannoy product to incorporate FAST™ (Focussed Asymmetrical Shaping Technology), delivering unique acoustic performance benefits including asymmetrical vertical dispersion, gently shaping the coverage towards the lower quadrant of the vertical axis.

VLS 7 packages this performance in a slender and narrow profile, aesthetically refined, powder-coated aluminium chassis with curved aluminium grille; ensuring a sleek and ultra-discrete appearance. Like the other 2 models in the range, VLS 7 can be ordered in either black or white as standard, with custom RAL finishes available.

The device is IP64 rated for dust and water ingress, salt spray and UV resistant and subject to rigorous high/low operational temperature and humidity testing – making VLS 7 suitable for both indoor and outdoor use. Mounting is made easy via supplied flying and mounting brackets.

Specification and design is aided by the use of Ease Focus v2.0 software, a generic, intuitive and easy to use three-dimensional acoustic simulation software. The software and relevant tutorials are free to download from the Tannoy website.

## Features

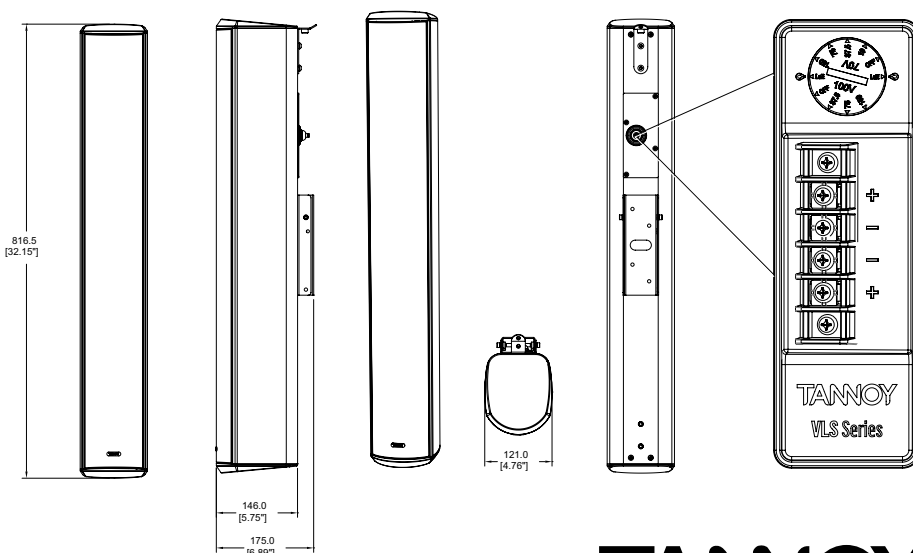
- 7 × 3.5" (89 mm) LF driver array
- FAST (Focussed Asymmetrical Shaping Technology) delivers improved intelligibility in typical listening plane and greater flexibility in mounting location
- Asymmetrical vertical dispersion: +6 degrees / -22 degrees (-8 degree bias)
- Highly consistent coverage pattern
- Peak output 118 dB
- Sleek architecturally-sensitive profile
- Easy to install, mounting brackets included
- Easily accessible transformer tapping switch
- IP64 rated for water and dust ingress protection
- Available in black or white

## Applications

- Houses of Worship
- Transportation hubs
- Retail spaces and concourses
- Conference rooms
- Lecture theatres
- Auditoria
- Gymnasiums
- Convention centers
- Museums
- Stadium concourses
- Multipurpose venues
- Challenging acoustic spaces
- Architecturally sensitive spaces

## Physical data

<b>Driver complement:</b>	7 × 3.5" (89 mm) full range drivers
<b>Dimensions HxWxD:</b>	816.5 × 121 × 146 mm, ( 32.1 × 4.8 × 5.7")
<b>Weight:</b>	10 kg (22 lbs)
<b>Enclosure:</b>	Aluminium extrusion
<b>Finish:</b>	Paint Ral 9003 (white) & Ral 9004 (black)
<b>Protective Grille:</b>	Painted aluminium



## Performance

Frequency response (-3 dB) <sup>1</sup>	150 Hz - 11 kHz
Frequency range (-10 dB) <sup>1</sup>	110 Hz - 14 kHz
System sensitivity (1 W @ 1 m) <sup>2</sup>	90 dB
Horizontal dispersion (-6 dB)	130 degrees horizontal
Vertical dispersion (-6 dB)	+ 6 degrees / - 22 degrees (-8 degree bias)
Driver complement	7 x 3.5" (89 mm) full range drivers
Crossover	Passive network utilising Focussed Asymmetrical Shaping Technology (FAST)
Directivity factor (Q)	6.1 averaged 1 kHz to 10 kHz
Directivity index (DI)	7.9 averaged 1 kHz to 10 kHz
Rated maximum SPL <sup>2</sup>	112 dB (average), 118 dB (peak)
Power handling	150 W (average), 300 W (programme), 600 W (peak)
Recommended Amplifier Power	450 W @ 8 ohms
Nominal Impedance	12 ohms

## Construction

Enclosure	Aluminium extrusion
Finish	Paint Ral 9003 (white) & Ral 9004 (black) Custom RAL finishes available (additional cost and lead-time).
Connectors	Barrier strip
Fittings	Flying bracket, wall mount bracket, input panel cover plate and gland.
Dimensions (HxWxD)	816.5 x 121 x 146 mm, (32.1 x 4.8 x 5.7")
Packed quantity	1
Net weight	10 kg (22 lbs)
Shipped weight	TBA

## Ordering Information

Part Number	Colour
8001 7000	Black
8001 7001	White



UL1480 pending.

This product is environmentally protected to IP64 rated standard.

## Notes:

1. Average over stated bandwidth. Measured at 1 metre on axis.
2. Unweighted pink noise input, measured at 1 metre in an anechoic chamber.

A full range of measurements, performance data, can be downloaded from [www.tannoy.com](http://www.tannoy.com). For project-specific system design assistance, contact TC Group's AET group via [www.aetgroup.tc](http://www.aetgroup.tc)

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications. All specifications are subject to change without notice.

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