

Install Speakers

VLS 7 (EN 54)-WH

Passive Column Array Loudspeaker with 7 Full Range Drivers and FAST Dispersion Control for Installation Applications (EN 54-24 Certified, White)

- Passive column array loudspeaker for indoor and outdoor installation applications
- 150 Watts continuous, 600 Watts peak power
- 7 vertically arrayed 3.5" mid range drivers provide high intelligibility speech reproduction
- FAST (Focussed Asymmetrical Shaping Technology) delivers asymmetric vertical dispersion towards the typical listening plane
- EN 54-24 certified for fire detection and fire alarm systems
- Multiple transformer taps for 70 V and 100 V line systems or 12 Ohm direct input
- Low insertion loss 150 W line transformer with easily accessible tapping switch
- All components weather resistant to IP65 for outdoor use
- Architecturally styled aluminium enclosure with a semi matt white painted finish
- Corrosion resistant stainless steel perforated grille
- Included custom brackets allow quick and accurate installation
- 10-Year Warranty Program*
- Designed and engineered in the U.K.

The VLS 7 (EN 54)-WH is a 600-Watt passive column array loudspeaker ideally suited for challenging acoustic and architecturally sensitive spaces in speech only applications, including, airports, train stations, conference centers, houses of worship, stadium concourses and museums. The heart of the loudspeaker system is its asymmetrical vertical dispersion, which gently shapes the acoustic coverage towards the lower quadrant of the vertical axis. VLS 7 (EN 54)-WH's Focused Asymmetrical Shaping Technology™ (FAST) also facilitates quick and easy installation, with less need for tilting for optimal mounting. EN 54-24 compliance makes the VLS 7 (EN 54)-WH the perfect choice where safety is a top priority. VLS 7 (EN54)-WH packages this performance in a slender and narrow profile, aesthetically refined, powder coated aluminum chassis with curved stainless steel grille.



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Superb Performance

VLS 7 (EN 54)-WH's design comprises 7 vertically arrayed 3.5" fullrange drivers for high intelligibility speech reproduction from 110 Hz - 14 kHz (-10 dB) with 118 dB peak SPL (1 m, Lo-Z). The UV and weather resistant aluminium enclosure provides 130° horizontal x +6° / -22° vertical dispersion for targeted coverage. Also certified for water and dust ingress protection to IP65 standard, the VLS 7 (EN 54)-WH is an exceptional choice for challenging environments such as indoor swimming pools, saunas, or work areas with unusually high levels of dust or moisture, and numerous outdoor applications.

FAST – Focused Asymmetrical Shaping Technology

Designed with an asymmetrical vertical dispersion pattern, the VLS 7 (EN 54)-WH merges enhanced performance with simplified mounting to cover a wide range of installed applications. The vertical dispersion of the VLS 7 (EN 54)-WH allows optimal zones to be targeted for even and precise coverage. Additionally, in installations where conventional column loudspeakers require substantial downward tilt, the VLS 7 (EN 54)-WH requires much less – even enabling flush mounting, for significantly improved visual aesthetics.



Low-Z or Transformer Operation

A multi-position EN 54 compliant tamper-resistant rotary switch on the rear panel allows the choice of either the low-Z, or the 70 / 100 V operating modes, with available transformer taps at 150; 75; 37.5; 19; 9.5, and 5 Watts.

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Outdoor Applications

A right angled water tight cable gland is supplied with the VLS 7 (EN 54)-WH for use in outdoor applications with an input panel cover is secured to the cabinet using the four screws. Simply pass the wiring through the cable gland and make your connections on the provided barrier strip. A second strip is provided for linking additional loudspeakers in either low-Z, or 70 / 100 V distributed systems.



Attractive & Easy to Install

The stylish and durable extruded aluminium enclosure with stainless steel grille features a semi matt white paint finish that fits unobtrusively into even the most architecturally sensitive environments. Input is via a low insertion loss 150 W line transformer with multiple taps for 70 / 100 V line systems. A dedicated flying bracket, wall mount bracket, input panel cover plate, and weather resistant gland are all included for ease of installation. At only 10.8 kg (23.8 lbs), the VLS 7 (EN 54)-WH is significantly lighter and easier to install than many competing products.

Connections

Utilising a pair of internally paralleled barrier strip connectors, the VLS 7 (EN 54)-WH can either be connected to a low-Z amplifier, or used within a 70 / 100 V distributed system. The operation mode is easily selectable via a single switch located on the rear of the enclosure.



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Build Quality

The architecturally styled corrosion resistant extruded aluminium enclosure is finished in a semi matt white paint and is complemented by a stainless steel perforated grille. All VLS 7 (EN 54)-WH mounting hardware is included and over-engineered for the ultimate in safety.

You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own MUSIC Tribe factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous Warranty program.

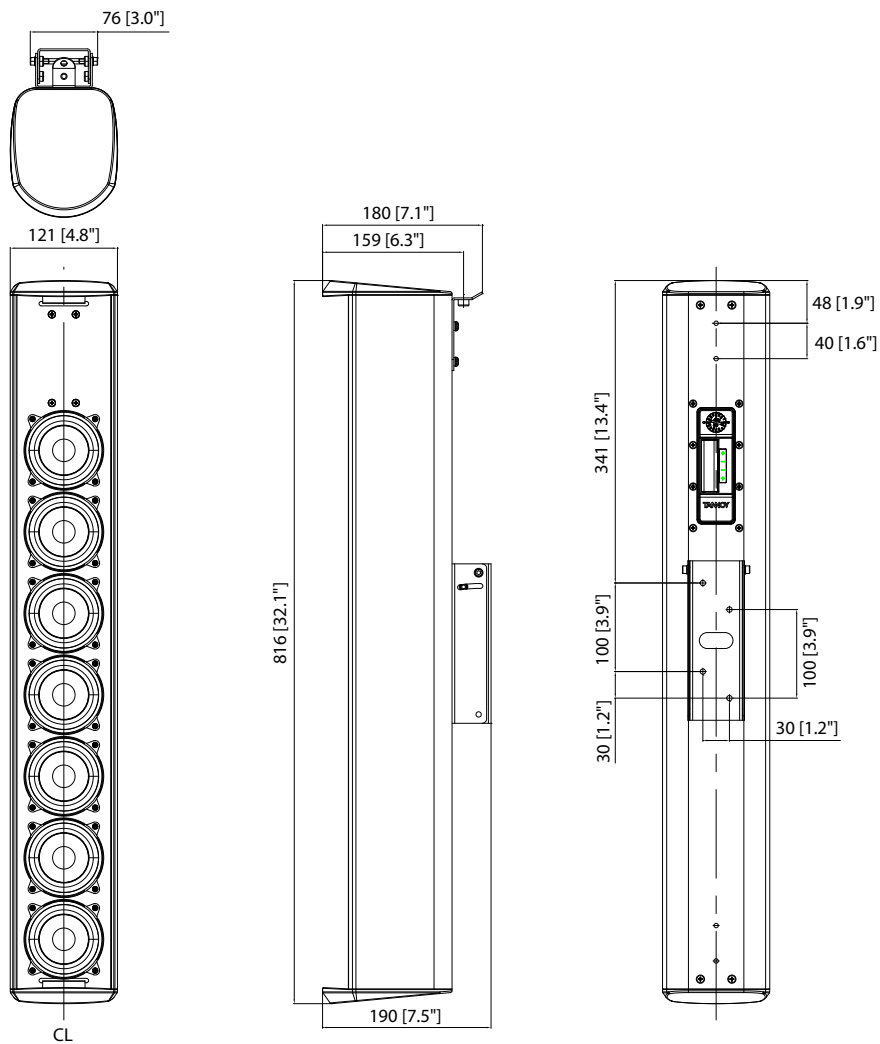


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Dimensions



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Technical Specifications

System

Frequency response	150 Hz - 11 kHz ± 3 dB 110 Hz - 14 kHz -10 dB
Horizontal dispersion (-6 dB)	130° H
Vertical dispersion (-6 dB)	+6° / -22° V (-8° bias)
Power handling (IEC)	150 W average, 300 W continuous, 600 W peak
Recommended amplifier power	450 W @ 8 Ω
System sensitivity	90 dB (1 m, Lo Z)
Sensitivity (per EN54-24)	76 dB (4 M, through transformer)
Nominal impedance (Lo Z)	12 Ω
Maximum SPL (per EN54-24)	91 dB (4 M, through transformer)
Rated maximum SPL	112 dB continuous, 118 dB peak (1 m, Lo Z)
Crossover	Passive, utilizing Focussed Asymmetrical Shaping Technology (FAST)
Crossover point	—
Directivity factor (Q)	6.1 averaged, 1 kHz to 10 kHz
Directivity index (DI)	7.9 averaged, 1 kHz to 10 kHz
Components	7 x 3.5" (89 mm) fullrange drivers

Transformer taps (via rotary switch) (Rated noise power and impedance)

70 V	150 W (33 Ω) / 75 W (66 Ω) / 37.5 W (133 Ω) / 19 W (265 Ω) / 9.5 W (520 Ω) / 5 W (1000 Ω) OFF & low impedance operation
100 V	150 W (66 Ω) / 75 W (133 Ω) / 37.5 W (265 Ω) / 19 W (520 Ω) / 9.5 W (1000 Ω) / OFF & low impedance operation

Coverage angles

500 Hz	360° H x 129° V
1 kHz	202° H x 62° V
2 kHz	137° H x 49° V
4 kHz	127° H x 40° V

Enclosure

Connectors	Barrier strip
Wiring	Terminal 1+ / 2- (input); 3- / 4+ (link)
Dimensions H x W x D	816 x 121 x 147 mm (32.1 x 4.8 x 5.8")
Net weight	10.8 kg (23.8 lbs)
Construction	Aluminium extrusion
Finish	Paint RAL 9003 (white) Custom RAL colours available (additional cost and lead-time)
Grille	Powder coated perforated steel
Flying hardware	Flying bracket, wall mount bracket, input panel cover plate and gland

Notes:

- (1) Average over stated bandwidth. Measured in an IEC baffle in an Anechoic Chamber
- (2) Unweighted pink noise input, measured at 1 metre on axis
- (3) Long term power handling capacity as defined in IEC268-5 test
- (4) The reference point for the reference axis (on-axis) is the centre of the baffle

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