

## Install Speakers

# VLS 30

Passive Column Array Loudspeaker with 30 Drivers and FAST Dispersion Control for Installation Applications

- Passive column array loudspeaker for indoor and outdoor installation applications
- 400 Watts continuous, 1,600 Watts peak power
- 14 vertically arrayed 3.5" low frequency drivers provide high intelligibility speech reproduction
- 16 vertically arrayed 1" high frequency metal dome tweeters for full range sound up to 35 kHz
- FAST (Focussed Asymmetrical Shaping Technology) delivers asymmetric vertical dispersion towards the typical listening plane
- Multiple transformer taps for 70 V and 100 V line systems or 6 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 black 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 30 is an 1600-Watt passive column array loudspeaker ideally suited for challenging acoustic and architecturally sensitive spaces where background/foreground music and speech reinforcement is required. Applications include airports, train stations, conference centers, houses of worship, stadium concourses, museums, theme parks and hotels. 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 30's Focused Asymmetrical Shaping Technology™ (FAST) also facilitates quick and easy installation, with less need for tilting for optimal mounting. VLS 30 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 30's design comprises 14 vertically arrayed 3.5" low frequency drivers and 16 vertically arrayed 1" high frequency metal dome tweeters for pristine audio reproduction from 90 Hz - 35 kHz (-10 dB), with 126 dB peak SPL (1 m, Lo-Z). The UV and weather resistant aluminium enclosure provides 130° horizontal x +3° / -11° vertical dispersion for targeted coverage. Also certified for water and dust ingress protection to IP65 standard, the VLS 30 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 outdoor applications.

### FAST – Focused Asymmetrical Shaping Technology

Designed with an asymmetrical vertical dispersion pattern, the VLS 30 merges enhanced performance with simplified mounting to cover a wide range of installed applications. The vertical dispersion of the VLS 30 allows optimal zones to be targeted for even and precise coverage. Additionally, in installations where most conventional column loudspeakers require substantial downward tilt, the VLS 30 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 30 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 black 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 19 kg (41.8 lbs), the VLS 30 is significantly lighter and easier to install than many competing products.

## Connections

Utilising a pair of internally paralleled barrier strip connectors, the VLS 30 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 black paint and is complemented by a stainless steel perforated grille. All VLS 30 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.

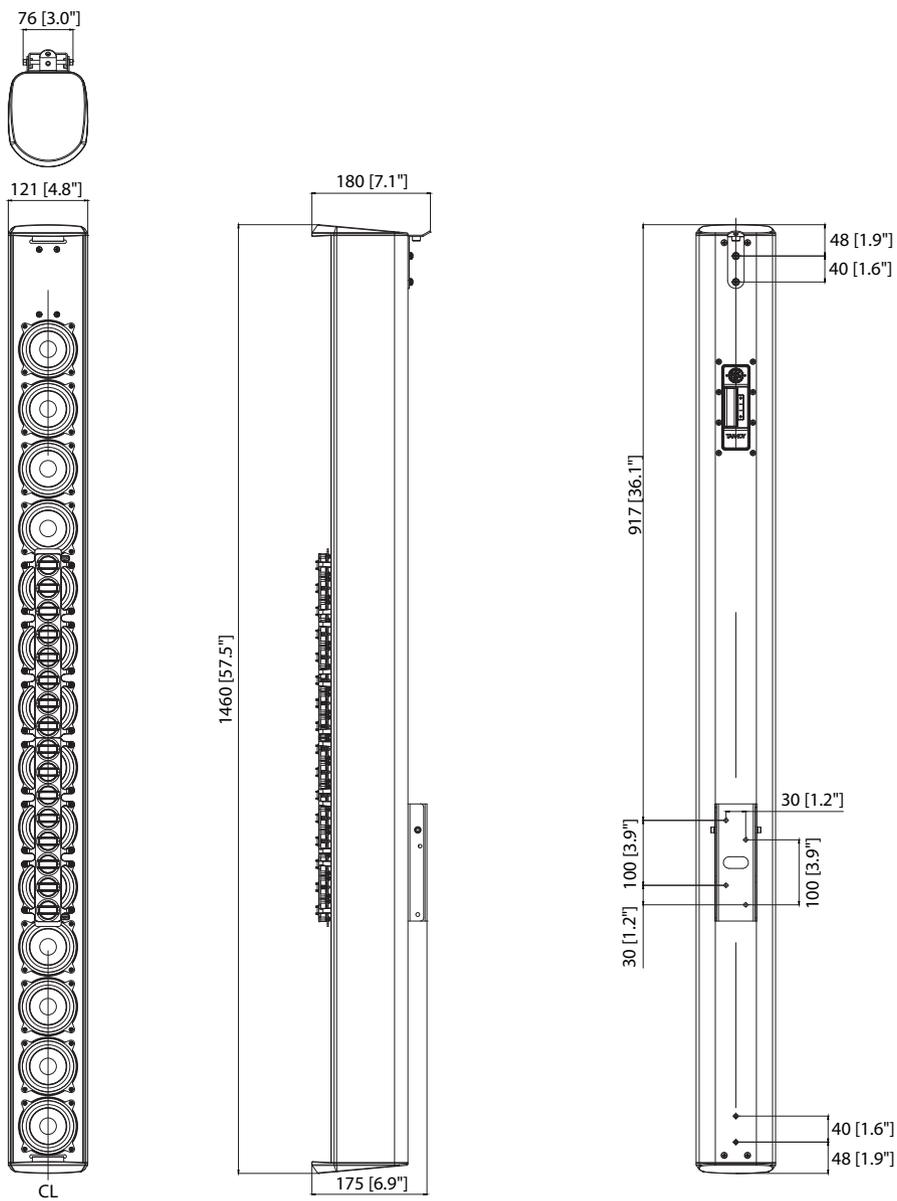


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## Dimensions



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## Technical Specifications

### System

<b>Frequency response</b>	120 Hz - 22 kHz $\pm$ 3 dB 90 Hz - 35 kHz -10 dB
<b>Horizontal dispersion (-6 dB)</b>	130° H
<b>Vertical dispersion (-6 dB)</b>	+3° / -11° V (-4° bias)
<b>Power handling (IEC)</b>	400 W average, 800 W continuous, 1600 W peak
<b>Recommended amplifier power</b>	1200 W @ 4 $\Omega$
<b>System sensitivity</b>	94 dB (1 m, Lo Z)
<b>Sensitivity (per EN54-24)</b>	—
<b>Nominal impedance (Lo Z)</b>	6 $\Omega$
<b>Maximum SPL (per EN54-24)</b>	—
<b>Rated maximum SPL</b>	120 dB continuous, 126 dB peak (1 m, Lo Z)
<b>Crossover</b>	Passive, utilizing Focussed Asymmetrical Shaping Technology (FAST)
<b>Crossover point</b>	2.5 kHz
<b>Directivity factor (Q)</b>	15 averaged, 1 kHz to 10 kHz
<b>Directivity index (DI)</b>	11.8 average, 1 kHz to 10 kHz
<b>Components</b>	14 x 3.5" (89 mm) woofers 16 x 1" (25 mm) metal dome tweeters

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

70 V	150 W / 75 W / 37.5 W / 19 W / 9.5 W / 5 W / OFF & low impedance operation
100 V	150 W / 75 W / 37.5 W / 19 W / 9.5 W / OFF & low impedance operation

### Coverage angles

500 Hz	220° H x 41° V
1 kHz	200° H x 21° V
2 kHz	120° H x 17° V
4 kHz	120° H x 20° V

### Enclosure

<b>Connectors</b>	Barrier strip
<b>Wiring</b>	Terminal 1+ / 2- (input); 3- / 4+ (link)
<b>Dimensions H x W x D</b>	1461 x 121 x 147 mm (57.5 x 4.8 x 5.8")
<b>Net weight</b>	19 kg (41.8 lbs)
<b>Construction</b>	Aluminium extrusion
<b>Finish</b>	Paint RAL 9004 (black) Custom RAL colours available (additional cost and lead-time)
<b>Grille</b>	Powder coated perforated steel
<b>Flying hardware</b>	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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