# Christie Vive Audio

## LS1 Series

### LS1 line source loudspeaker

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<td><strong>System type</strong></td>
<td>• Four-way, bi-amp, ported enclosure</td>
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| **Driver components** | • HF: 2 x 3" high output ribbon drivers with Kapton® diaphragm and Neodymium magnets  
• MF: 6.5" paper/Kevlar high efficiency midrange cone driver with 38mm voice coil  
• LF: 15" paper composite cone driver with 100mm diameter voice coil |
| **Crossover** | • LF-MF: 350Hz, active via processor  
• MF-HF: passive @ 2.0kHz  
• Two-way HF section with frequency shading network |
| **Frequency response¹** | • 30Hz-20kHz @ -6dB |
| **Maximum SPL²** | • LF: 123dB continuous, 135dB peak  
• MF-HF: 123dB continuous, 135dB peak  
• LS1 system: 126dB continuous, 138dB peak |
| **System coverage³** | • 100° horizontal dispersion  
• 40° vertical dispersion |
| **Sensitivity¹, 1W/1m** | • LF: 95dB  
• MF-HF: 101.3dB |
| **Power handling capacity²** | • LF: 600W continuous, 1500W (IEC) short term  
• MF-HF: 150W continuous, 300W (IEC) short term |
| **Recommended amplifier power** | • LF: 600-1000W @ 8 ohms  
• MF-HF: 200-300W @ 8 ohms |
| **Rated impedance** | • LF: 8 ohms  
• MF-HF: 6 ohms |
| **Input connectors** | • 4 position terminal barrier strip, separate LF and MF-HF inputs |
| **Enclosure** | • Ported enclosure with system tuning at Fb=34Hz  
• 18mm marine plywood, heavily braced for maximum structural strength  
• Ported enclosure with system tuning at Fb=34Hz  
• Multiple M10 integrated fly points  
• Rated for overhead installation with 5:1 safety ratio |
| **Mounting options** | • Free standing with or without floor brackets  
• Flying via 16 x M10 integrated points |
| **Accessories** | • 145-178107-01: BKT-LSX Tilt bracket for LSx loudspeakers. Platform mountable tilt bracket (±7 degrees) set for screen channel installation (included in the box)  
• 111-685201-01: Allen Products RK-4C Rigging Kit 4 x cables for flying |
| **Dimensions** | • (LxWxH) 15.8 x 24.3 x 40" (400 x 618 x 1018mm) |
| **Net weight** | • 104lbs (47kg) |
| **Warranty** | • Limited 5-year warranty |

¹ Measured at 2m on tweeter axis in simulated free field conditions. Near field measurements were used for low-frequency data. Sensitivity is calculated based on measured SPL response averaged in 200Hz-5kHz range.

² IEC refers to IEC 60268-5 standard. Max SPL calculated based on sensitivity and power handling. IEC short-term power tested using IEC pink noise with 9dB crest factor. The crest factor was specifically increased to reflect real-life parameters of digital cinema sound tracks. Maximum peak SPL calculated using peak voltage during IEC short-term power test. Continuous power handling tested using IEC60268-1 noise signal for duration of 2 hours.

³ Averaged in 500Hz-12kHz range, at -6dB.