

# Christie Vive Audio

## LS Series

### LS2 line source loudspeaker



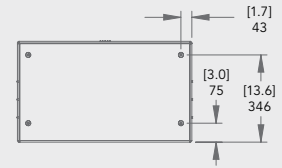
Specifications	Christie LS2
<b>System type</b>	• Four-way, bi-amp, ported enclosure
<b>Driver components</b>	<ul style="list-style-type: none"> <li>• HF: 6" and 3" high output ribbon drivers with Kapton® diaphragm and Neodymium magnets</li> <li>• MF: 6.5" paper/Kevlar high efficiency midrange cone driver with Neodymium magnet and 51mm voice coil</li> <li>• LF: 2 x 15" paper composite cone drivers with 100mm diameter voice coil</li> </ul>
<b>Crossover</b>	<ul style="list-style-type: none"> <li>• LF-MF: 350Hz, active via processor</li> <li>• MF-HF: passive @ 2.0kHz</li> <li>• Two-way HF section with frequency shading network</li> </ul>
<b>Frequency response<sup>1</sup></b>	• 30Hz-20kHz @ -6dB
<b>Maximum SPL<sup>2</sup></b>	<ul style="list-style-type: none"> <li>• LF: 129dB continuous, 142dB peak</li> <li>• MF-HF: 125.5dB continuous, 138dB peak</li> <li>• LS2 system: 131dB continuous, 143dB peak</li> </ul>
<b>System coverage<sup>3</sup></b>	<ul style="list-style-type: none"> <li>• 100° horizontal dispersion</li> <li>• 40° vertical dispersion</li> </ul>
<b>Sensitivity<sup>1</sup>, 1W/1m</b>	<ul style="list-style-type: none"> <li>• LF: 98dB</li> <li>• MF-HF: 102.5dB</li> </ul>
<b>Power handling capacity<sup>2</sup></b>	<ul style="list-style-type: none"> <li>• LF: 1200W continuous, 3000W (IEC) short term</li> <li>• MF-HF: 200W continuous, 400W (IEC) short term</li> </ul>
<b>Recommended amplifier power</b>	<ul style="list-style-type: none"> <li>• LF: 850-1500W @ 8 ohms</li> <li>• MF-HF: 350-450W @ 8 ohms</li> </ul>
<b>Rated impedance</b>	<ul style="list-style-type: none"> <li>• LF: 4 ohms</li> <li>• MF-HF: 8 ohms</li> </ul>
<b>Input connectors</b>	• 4 position terminal barrier strip, separate LF and MF-HF inputs
<b>Enclosure</b>	<ul style="list-style-type: none"> <li>• Ported enclosure with system tuning at Fb=28Hz</li> <li>• 18mm marine plywood, heavily braced for maximum structural strength and minimum panel resonance</li> <li>• Rotatable MF-HF section in acoustically isolated enclosure allows for vertical or horizontal placement of cabinet</li> <li>• Multiple M10 integrated fly points</li> <li>• Rated for overhead installation with 5:1 safety ratio</li> </ul>
<b>Mounting options</b>	<ul style="list-style-type: none"> <li>• Free standing with or without floor brackets</li> <li>• Flying via 16 x M10 integrated points</li> </ul>
<b>Accessories</b>	<ul style="list-style-type: none"> <li>• 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)</li> <li>• 111-685201-01: Allen Products RK-4C Rigging Kit 4 x cables for flying</li> </ul>
<b>Dimensions</b>	• (LxWxH) 15.8 x 27.2 x 59.0" (400 x 692 x 1498mm)
<b>Net weight</b>	• 160.8lbs (73kg)
<b>Warranty</b>	• Limited 5-year warranty

<sup>1</sup> 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.

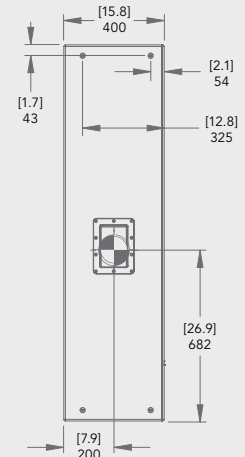
<sup>2</sup> IEC refers to IEC 60268-5 standard. Max SPL calculated based on sensitivity and power handling. IEC short-term power tested using IEC pink noise with 9dB crest factor. The crest factor was specifically increased to reflect real-life parameters of digital cinema sound tracks. Maximum peak 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.

<sup>3</sup> Averaged in 500Hz-12kHz range, at -6dB.

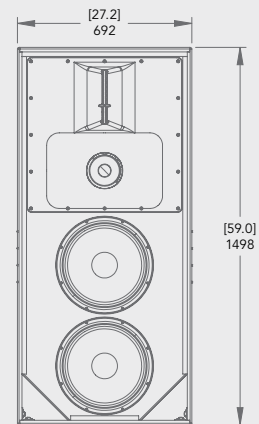
Top view



Side view



Front view



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