

# LS1S

Distributed cinema audio | Post production

## Ribbon driver line source surround loudspeaker for cinema auditoriums

**CHRISTIE®**  
VIVE AUDIO 

### Key features:

- › **Easy to install** – Lighter weight single enclosure for faster, simple set up
- › **Application versatility** – Rotatable waveguides provide more flexibility for mounting
- › **Exceptional acoustics** – clear and expansive sound with higher dynamic range
- › **Extended listening comfort** – distortion-free signal reproduction for no listening fatigue through the movie
- › **Delivers emotion in every scene** – greater impact when loud, better detail when quiet
- › **Easy to integrate** – Slim, low-light reflective enclosure allows for discrete placement in any auditorium

### PLANAR RIBBON DRIVERS

Ultra-low mass high frequency drivers with 10x less distortion

### SINGLE CABINET DESIGN

2-way, ported enclosure for superior sound in space constrained auditoriums

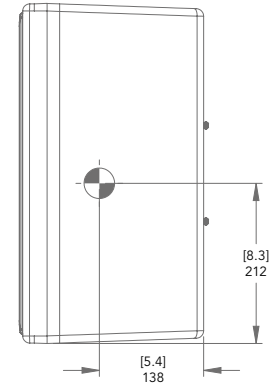


## Specifications

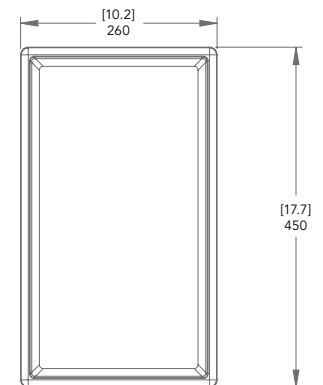
### Christie LS1S (145-171100-01)

System type	• Two-way, passive, ported enclosure
Driver components	• HF: 3.5" ribbon driver with Kapton® diaphragm and Neodymium magnets • LF: 8" paper/Kevlar composite cone driver with 40mm diameter voice coil
Crossover	• 2-way, passive @ 2.3kHz
Frequency response <sup>1</sup>	• 70Hz-20kHz @ -6dB
Maximum SPL <sup>2</sup>	• 114dB continuous, 126dB peak
System coverage <sup>3</sup>	• 100° horizontal dispersion • 50° vertical dispersion
Sensitivity <sup>1</sup> , 1W/1m	• 93dB
Power handling capacity <sup>2</sup>	• 125W continuous, 250W (IEC) short term
Recommended amplifier power	• 150-250W @ 8 ohms
Rated impedance	• 8 ohms
Input connectors	• Screw terminal barrier strip
Enclosure	• Polymer composite enclosure with extensive structural reinforcements • Ported enclosure • Acoustically transparent fabric grille
Mounting options	• Wall mounted using 4 x M6 points on rear
Accessories	• 145-179108-01: BKTW-LSXS – Wall tilt bracket for LSxS surround loudspeakers (optional) • 145-108100-XX Christie S115 subwoofer (for optional bass management) • 145-103105-XX Christie S215 subwoofer (for optional bass management) • 111-694201-XX: Allen Products MM-017 for wall mounting (optional) • 18" Safety Cable (003-006320-01) • 72" Safety Cable (003-006321-01)
Dimensions	• (LxWxH) 9.6 x 10.24 x 17.7" (244 x 260 x 450mm)
Net weight	• 13.7lbs (6.2kg)
Warranty	• Limited 5-year warranty

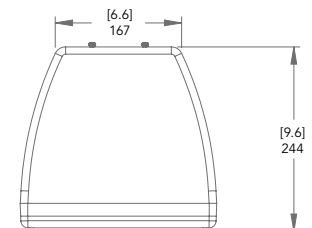
## Front view



## Side view



## Top view



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<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.