

LS1

Small-screen auditoriums | Boutique cinema | Screening rooms

Ribbon driver line source loudspeaker for extra-small-screen 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
- › **Exceptional acoustics** – clear and expansive sound with higher dynamic range
- › **Delivers emotion in every scene** – greater impact when loud, better detail when quiet

PLANAR RIBBON DRIVERS

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

SINGLE CABINET DESIGN

4-way, bi-amp enclosure for superior sound in space constrained auditoriums

SCREEN CHANNEL CONFIGURATOR

Help find the right audio solution for your auditorium on our website



Specifications

Christie LS1 (145-170109-01)

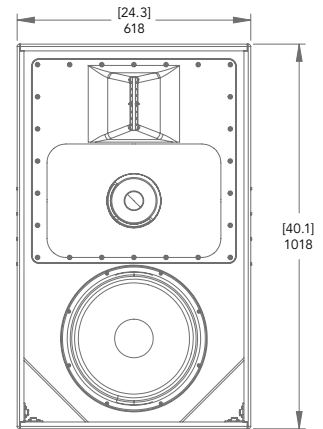
System type	• Four-way, bi-amp, ported enclosure
Driver components	<ul style="list-style-type: none"> • HF: 2 x 3" high output ribbon drivers with Kapton® diaphragm and Neodymium magnets • MF: 6.5" paper/Kevlar high efficiency midrange cone driver with 38mm voice coil • LF: 15" paper composite cone driver with 100mm diameter voice coil
Crossover	<ul style="list-style-type: none"> • LF-MF: 350Hz, active via processor • MF-HF: passive @ 2.0kHz • Two-way HF section with frequency shading network
Frequency response ¹	• 30Hz-20kHz @ -6dB
Maximum SPL ²	<ul style="list-style-type: none"> • LF: 123dB continuous, 135dB peak • MF-HF: 123dB continuous, 135dB peak • LS1 system: 126dB continuous, 138dB peak
System coverage ³	<ul style="list-style-type: none"> • 100° horizontal dispersion • 40° vertical dispersion
Sensitivity ¹ , 1W/1m	<ul style="list-style-type: none"> • LF: 95dB • MF-HF: 101.3dB
Power handling capacity ³	<ul style="list-style-type: none"> • LF: 600W continuous, 1500W (IEC) short term • MF-HF: 150W continuous, 300W (IEC) short term
Recommended amplifier power	<ul style="list-style-type: none"> • LF: 600-1000W @ 8 ohms • MF-HF: 200-300W @ 8 ohms
Rated impedance	<ul style="list-style-type: none"> • LF: 8 ohms • MF-HF: 6 ohms
Input connectors	• 2 position terminal barrier strip, separate LF and MF-HF inputs
Enclosure	<ul style="list-style-type: none"> • Ported enclosure with system tuning at Fb=34Hz • 18mm marine plywood, heavily braced for maximum structural strength and minimum panel resonance • Rotatable MF-HF section in acoustically isolated enclosure allows for vertical or horizontal placement of cabinet • Multiple M10 integrated fly points • Rated for overhead installation with 5:1 safety ratio
Mounting options	<ul style="list-style-type: none"> • Free standing with or without floor brackets • Flying via 16 x M10 integrated points
Accessories (optional)	• Allen Products RK-4C Rigging Kit 4 x cables (111-685201-01) 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.

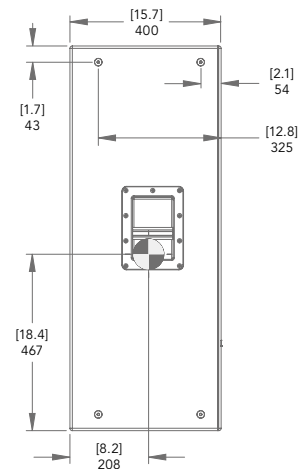
² IEC refers to IEC 60268-5 standard. Max SPL calculated based on sensitivity and power handling. IEC short-term power tested using IEC pink noise with 9dB crest factor. The crest factor was specifically increased to reflect real-life parameters of digital cinema sound tracks. Maximum peak SPL calculated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

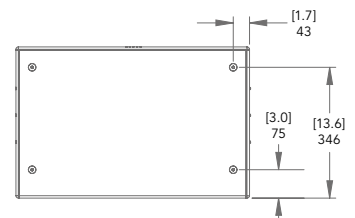
Front view



Side view



Top view



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