

# LS Series

Cost-effective, high performance cinema audio

Digital cinema | Post production

The Christie® Vive Audio™ LS Series of loudspeakers is a cost-effective cinema audio platform that provides accurate reproduction of high dynamic range and high resolution DCI-specified audio. Utilizing advanced planar ribbon driver technology, the LS Series includes four-way screen channel loudspeaker systems with dual planar ribbon tweeters and two-way surround channel loudspeakers. It is ideal for deployment in small-to-medium sized auditoriums where ultra-fast transient response for enhanced clarity and low distortion is critical.



**CHRISTIE**®  
VIVE AUDIO

# Cost-effective, high performance cinema audio

Featuring planar ribbon drivers, Christie® Vive Audio™ LS Series provides dramatically higher RMS-to-peak max SPL ratio than compression drivers for improved performance and intelligibility. Rotatable waveguides on the screen channels and a slim, low light reflective enclosure with multiple mounting options make the LS Series quick and easy to install discretely into any space-constrained auditorium.



## Special features

- › Planar ribbon drivers provide better RMS-to-peak max SPL ratio than compression driver systems resulting in enhanced voice intelligibility, superb sonic balance and less distortion
- › High efficiency design enables the use of lower power amplifiers resulting in overall systems cost savings
- › Acoustically isolated and extensively damped to minimize driver interaction and enhance small level signal resolution
- › Rotatable MF-HF waveguides on screen channel loudspeakers increase installation options
- › Higher resolution audio and dynamic range reproduction than standard cinema audio loudspeaker systems
- › Low light reflective finish for stealthy cinema installations
- › Sophisticated crossover design with frequency shading technology and optimized acoustic integration of transducers, provide a wide horizontal dispersion and controlled vertical dispersion pattern
- › Backed by a limited 5-year warranty

◀ LS2 screen channel speaker

# Screen channels

	LS1	LS2
System type	Four-way, bi-amp, ported enclosure	
Driver components	HF: high output 2 x 3" planar ribbon with Kapton® diaphragm and Neodymium magnets MF: 6.5" paper/Kevlar high efficiency midrange with 38mm edge wound voice coil LF: 15" paper composite cone driver with 100mm diameter voice coil	HF: high output 6" and 3" planar ribbon with Kapton diaphragm and Neodymium magnets MF: 6.5" paper/Kevlar high efficiency midrange with 51mm edge wound voice coil LF: 2 x 15" paper composite cone driver with 100mm diameter voice coil
Maximum SPL	123dB SPL continuous, 126dB SPL peak	126.5dB SPL continuous, 129dB SPL peak
System coverage	100° horizontal dispersion, 40° vertical dispersion	



^ LS55 surround loudspeakers

# Surrounds

	LS1S	LS2S	LS4S	LS5S
System type	Two-way, passive, ported enclosure			
Driver components	HF: 3.5" planar ribbon driver with Kapton diaphragm and Neodymium magnets LF: 8" paper/Kevlar composite cone with 51mm diameter edge wound voice coil	HF: 3" planar ribbon driver with Kapton diaphragm and Neodymium magnets LF: 8" paper/Kevlar composite cone with 51mm diameter edge wound voice coil	HF: 3" planar ribbon driver with Kapton diaphragm and Neodymium magnets LF: 10" paper/Kevlar composite cone with 51mm diameter edge wound voice coil	HF: 3" planar ribbon driver with Kapton diaphragm and Neodymium magnets LF: 10" paper/Kevlar composite cone with 64mm diameter edge wound voice coil
Maximum SPL	114dB SPL continuous, 117dB SPL peak	116.5dB SPL continuous, 119dB SPL peak	118dB SPL continuous, 121dB SPL peak	121dB SPL continuous, 123dB SPL peak
System coverage	100° horizontal dispersion, 50° vertical dispersion			

# LS screen channel solutions

Comprising our LS Series screen channel loudspeakers and Class D amplifiers, Christie Vive Audio Solutions are configured to provide the ideal cinema sound system based on auditorium size. Theatre owners can supplement these solutions with our LS Series or LA Series surround loudspeakers.



**VAS-LS1**

**VAS-LS2**

Auditorium size (max room length)	88' (27m)	219' (67m)
Screen channel	LS1	LS2
Bracket component	BKT-LSX Platform mountable tilt bracket (included with loudspeaker)	
Recommended amplifier	CDA5	CDA5

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For the most current specification information, please visit [www.christiedigital.com](http://www.christiedigital.com)



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CD4226-Vive-Audio-LS-Series-Brochure-Feb-24-EN

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