

LS5S

Mainstream cinema | Immersive | Post production | Premium large format

Ribbon driver line source surround loudspeaker for cinema auditoriums



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 LS5S (145-175104-01)

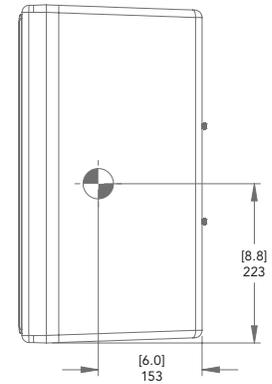
System type	• Two-way, passive, ported enclosure
Driver components	• HF: 3" high output ribbon driver with Kapton® diaphragm and Neodymium magnets • LF: 10" paper/Kevlar composite cone driver with 64mm diameter voice coil
Crossover	• 2-way, passive @ 2.2kHz
Frequency response ¹	• 70Hz-20kHz @ -6dB
Maximum SPL ²	• 122dB continuous, 133dB peak
System coverage ³	• 100° horizontal dispersion • 50° vertical dispersion
Sensitivity ¹ , 1W/1m	• 96dB
Power handling capacity ²	• 300W continuous, 500W (IEC) short term
Recommended amplifier power	• 400-600W @ 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) 11.6 x 12.2 x 20" (294 x 310 x 510mm)
Net weight	• 22.7lbs (10.3kg)
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.

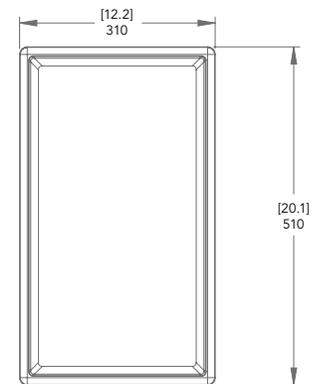
² IEC refers to IEC 60268-5 standard. Max SPL calculated based on sensitivity and power handling. IEC short-term power tested using IEC pink noise with 9dB crest factor. The crest factor was specifically increased to reflect real-life parameters of digital cinema sound tracks. Maximum peak SPL calculated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

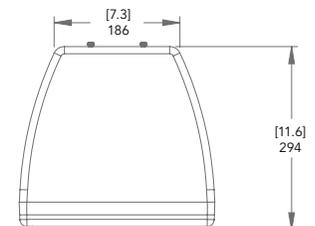
Front view



Side view



Top view



Corporate offices

Christie Digital Systems USA, Inc.
Cypress
ph: 714 236 8610

Christie Digital Systems Canada Inc.
Kitchener
ph: 519 744 8005

Worldwide offices

Australia
ph: +61 (0) 7 3624 4888

Brazil
ph: +55 (11) 2548 4753

China (Beijing)
ph: +86 10 6561 0240

China (Shanghai)
ph: +86 21 6030 0500

Colombia
ph: +57 (318) 477-3179

Eastern Europe
ph: +36 (0)1 47 48 138

France
ph: +33 (0) 1 41 21 44 04

Germany
ph: +49 221 99 512-0

India
ph: +91 (080) 6708 9999

Mexico
ph: +52 55 4744 1790

Singapore
ph: +65 6877 8790

South Korea
ph: +82 2 702 1601

Spain
ph: +34 91 633 9990

United Arab Emirates
ph: +971 (0) 4 503 6800

United Kingdom
ph: +44 (0) 118 977 8000

United States (Arizona)
ph: 602 943 5700

Independent sales consultant offices

Italy
ph: +39 (0) 2 9902 1161

Russia
ph: +7 (495) 930 8961

For the most current specification information, please visit christiedigital.com

Copyright 2020 Christie Digital Systems USA, Inc. All rights reserved. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Performance specifications are typical. Due to constant research, specifications are subject to change without notice.
CINE0124-LS5S-Datashet-Jan-2020-EN-US



CHRISTIE®