

# LS2

Small to medium-screen auditoriums | Boutique cinema | Screening rooms

## Ribbon driver line source loudspeaker for small to medium screen 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
- › **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

### SCREEN CHANNEL CONFIGURATOR [↗](#)

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

### SINGLE CABINET DESIGN [↗](#)

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

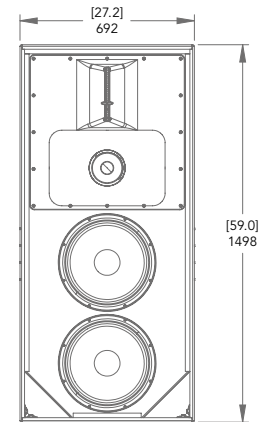


## Specifications

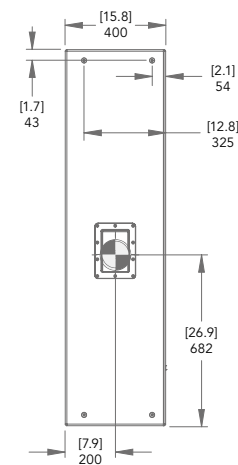
## Christie LS2 (145-172101-01)

|  |   |
|--|---|
| System type                            | • Four-way, bi-amp, ported enclosure  |
| Driver components                      | <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>  |
| Crossover                              | <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>  |
| Effective Frequency Range <sup>1</sup> | • 930Hz-20kHz @ -6dB  |
| Maximum SPL <sup>2</sup>               | <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>   |
| System coverage <sup>3</sup>           | <ul style="list-style-type: none"> <li>• 100° horizontal dispersion</li> <li>• 40° vertical dispersion</li> </ul>   |
| Sensitivity <sup>1</sup> , 1W/1m       | <ul style="list-style-type: none"> <li>• LF: 98dB</li> <li>• MF-HF: 102.5dB</li> </ul>  |
| Power handling <sup>3</sup>            | <ul style="list-style-type: none"> <li>• F: 1200W continuous, 3000W (IEC) short term</li> <li>• MF-HF: 200W continuous, 400W (IEC) short term</li> </ul>  |
| Recommended amplifier power            | <ul style="list-style-type: none"> <li>• LF: 850-1500W @ 8 ohms</li> <li>• MF-HF: 350-450W @ 8 ohms</li> </ul>  |
| Rated impedance                        | <ul style="list-style-type: none"> <li>• LF: 4 ohms</li> <li>• MF-HF: 8 ohms</li> </ul>   |
| Input connectors                       | • 2 position terminal barrier strip, separate LF and MF-HF inputs   |
| Enclosure                              | <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> |
| Mounting options                       | <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>   |
| Accessories (optional)                 | • Allen Products RK-4C Rigging Kit 4 x cables (111-685201-01) for flying  |
| Dimensions                             | • (LxWxH) 15.8 x 27.2 x 59.0" (400 x 692 x 1498mm)  |
| Net weight                             | • 160.8lbs (73kg)   |
| Warranty                               | • Limited 5-year warranty   |

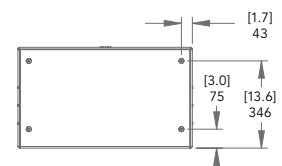
## Front view



## 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 on sensitivity and power handling.