



SLS CS50 Cinema Screen Channel Speaker System



The CS50 is a full-range, passive screen channel cinema loudspeaker for small auditoriums. The high frequency section features a high performance PRD500 planar ribbon transducer designed and manufactured by SLS Audio.

The unique design and properties of the planar ribbon driver delivers fast transient accuracy, as well as an exceptionally smooth high frequency response. Also the unique properties of the planar ribbon driver delivers more direct sound to the audience, even considering the effect of screen spreading.

With a low frequency section that utilizes a 12" woofer, the front ported enclosure has a bass extension down to 40Hz and is well suited for small theaters with 50-75 seats.



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KEY FEATURES

- PRD500 planar ribbon, high frequency driver delivers unsurpassed sound quality
- Open and transparent sound even at high SPL due to advanced transducer technology in all bandwidth sections
- 90 x 40 degree dispersion pattern (not including screen scattering)
- 13-ply 3/4" Baltic Birch cabinet construction
- Included U-Bracket for easy installation and aiming

SPECIFICATIONS*

- | | |
|------------------------------------|---|
| • Operating Range | 40Hz to 20kHz |
| • Sensitivity (1W@1M) ¹ | 99dB |
| • Horizontal Coverage | 90degs
-6dB ² |
| • Vertical Coverage | 40degs
-6dB ² |
| • Power Handling ³ | 120W (31V) AES/2 |
| • Max SPL (calculated) 1M | 120dB continuous/126dB peak |
| • Nominal Impedance | 8 ohms |
| • Crossover Frequency | Passive |
| • Transducers | LF 12"
HF PRD500 Ribbon Driver |
| • Input | Barrier Strip |
| • Dimensions | 27.4"H (695 mm)
14.7"W (373 mm)
10.5"D (266 mm) |
| • Enclosure | 13 ply Baltic birch |
| • Net Weight | 49 lbs. |
| • Rigging | U-Bracket (included) |
| • Optional Accessories | - |
| • Finish Options | Flat Black Latex |

APPLICATIONS

- Developed for high performance cinema applications where the highest quality and intelligibility of sound is required
- Behind Screen LCR

*Due to product improvement research, SLS Audio reserves the right to make changes to existing products without notice.

1. A sine wave sweep is applied to a voltage level measured at the loudspeaker terminals corresponding to 1W@1M as referenced to the loudspeaker's nominal impedance and the measuring distance. SPL is measured in an anechoic environment in the loudspeaker's far field with the exception of subwoofers, which are measured in half space. Sensitivity is determined by a Log/Log averaging method from 315Hz to 16kHz in the anechoic environment. Subwoofers use the same method with the half space measurement, but within their specified operating bandwidth.

2. Averaged from 500Hz to 8kHz

3. AES established in accordance with AES/2-2003 standard.



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