



Product Technical Data Sheet

# Cinema System 100

## Description

The Cinema System 100 is a full range bi-amped screen channel cinema loudspeaker for smaller auditoriums. It is also available with an optional passive crossover for single channel amplifier operation per screen channel.

The System 100 high frequency section features a high performance PRD500 planar ribbon transducer designed and manufactured by SLS Loudspeakers. 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 planer ribbon driver delivers more direct sound to the audience even with screen spreading.

The midrange section is horn loaded for increased sensitivity, matching with a single 15" bass enclosure either with an active line level crossover or the optional passive speaker level crossover.



## Key Features:

- PRD500 ribbon high frequency line driver delivers unsurpassed sound quality
- Open and clear sound at high SPL due to advanced transducer technology in all bandwidth sections
- 90 x 40 degree dispersion pattern (not including screen scattering)
- ¾" 13 ply Baltic Birch cabinet construction
- Included U-Bracket for easy installation and aiming
- Optional passive crossover network for single channel amplifier operation

## Applications

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

- Behind Screen LCR

Product Specifications	
Operating Range	40Hz - 30,000Hz
Overall Sensitivity (1W/1M) <sup>1</sup>	97dB
Horizontal Coverage Angle -6dB <sup>2</sup>	90 Degrees
Vertical Coverage Angle -6dB <sup>2</sup>	40 Degrees
Power Handling - Low <sup>3</sup>	400W RMS (56.6 Volts) AES/2
Mid/High	200W RMS (28 Volts) AES/2
Overall Max SPL (calculated) 1 Meter	123dB Cont. / 129dB Peak
Rcmd Amp Power for Max Output - Low	800 Watts @ 8 ohms
Mid/High	400 Watts @ 4 ohms
Nominal Impedance - Low	8 Ohms
Mid/High	4 Ohms
Crossover Frequency	DSP Settings Provided or passive option
Transducers - Low Freq.	15" Woofer
Mid Freq.	6.5" Midrange x2
High Freq.	PRD500 Ribbon
Input	Barrier Strips
Largest Overall Dimensions	50" (127cm) H 23" (58.4cm) W 15" (38.1cm) D
Enclosure	13ply Baltic Birch
Weight	87lbs (39.5kg) Shipping 110lbs (49.9kg)
Included Rigging	U-Bracket for box to box attachment
Finish	Flat Black Latex

1. Full bandwidth pink noise is applied and amplified to a level and measured at the loudspeaker terminals - corresponding to 1 Watt as referenced to the loudspeakers nominal impedance. SPL is measured in an anechoic environment in the loudspeakers far field. Data is extrapolated to 1 Meters distance from the loudspeaker.  
 2. Averaged from 500Hz to 8kHz  
 3. AES established with ambient temperature at 22C in accordance with AES/2-1984 standard.



# Cinema System 100 Drawings

---

