



Product Technical Data Sheet

Model CS300

Description

The CS300 is a mid/high cinema loudspeaker. Its primary application is for use as a companion to the CS-B215 Mid-Bass enclosure in medium to large theaters.

The CS300 high frequency section features a high performance PRD1000 planar ribbon transducer designed and manufactured by SLS Loudspeakers. The unique design and properties of the planar ribbon driver allows for a very clear delivery and transient accuracy even at the limits of its performance.

The midrange section uses a single 12" driver. The driver features a neo-dynmium magnet structure and high-temperature edge-wound voice coil.

The passive crossover network includes audiophile grade air core inductors and polypropolene capacitors.



Key Features:

- PRD1000 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

Product Specifications	
Operating Range	350 – 30,000Hz
Sensitivity ¹ (1W/1m)	97dB
Horizontal Coverage Angle ² -6dB	90 Degrees
Vertical Coverage Angle ² -6dB	40 Degrees
Power Handling ³	300 Watts RMS
Max SPL (calculated) 1 Meter	122dB Cont. / 128dB peak ⁴
Recommended Amp Power for Max Output	600 Watts
Nominal Impedance	8 Ohms
Crossover Frequency	Passive
Transducers – Mid Freq.	12" Neo Midrange
High Freq.	1 PRD1000 Ribbon
Input	Binding Posts
Dimensions	26.5" (67.3cm) H
	14.125" (35.9cm) W
	10" (25.4cm) D
Enclosure	13ply Baltic Birch
Weight	44lbs (19.96kg)
Rigging	Supplied U-Bracket for attachment to CS-B215
Finish Options	Rugged black latex paint

Applications

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

- Behind Screen LCR

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. does not include screen scatter
 3. Conforms to AES2-1984 (r1997) method
 4. SLS Ribbon technology has the ability to produce double the peak capability (12dB) above the RMS value to that of conventional transducers. With an amplifier of 1000W into 8 ohms, 12dB peaks with durations of 200msec. are possible. This means better transient response without power compression.



Product Drawings

