



AMERICAN LOUDSPEAKER INNOVATION

SLA Series –

SLA-4.1 90x35

Frequency Shaded Line Array

DESCRIPTION

The **SLA-4.1 90x35** is a compact Frequency Shaded Line Array loudspeaker optimized for 90° H x 35° V coverage. It employs a high output ribbon driver on an HF Wave Guide, and four 4" LF drivers within a slim profile enclosure. It is designed to work in highly reverberant environments where uniform horizontal coverage and a focused vertical pattern are beneficial.

A sophisticated filter circuit sequentially integrates drivers in the array to maintain vertical pattern control to 900 Hz, and ensures a smooth transition from line-source to point-source behavior at lower frequencies. The result is very flat response and uniform pattern control, yielding superior speech clarity and musical detail.

KEY FEATURES:

- 90° H x 35° V Coverage
- maintains 35° vertical pattern control to 900 Hz
- low profile: depth only 3.4"
- effective projection to 50 feet

APPLICATIONS:

- churches
- classrooms
- presentation spaces
- flown fill speaker



NOMINAL DATA

Frequency Response	200 – 20,000 Hz, ± 3 dB
Sensitivity	94 dB @ 2.83V / 1M
Impedance	16Ω (70-volt available)
Power Handling	175 W long-term (AES-2)
Maximum Output	116 dB long-term, 122 dB peak
Nominal Coverage Angles	90° H x 35° V
Dimensions	height: 25.62 " / 651 mm width: 8.00 " / 203 mm depth: 3.38 " / 86 mm
Net Weight	13.5 lbs / 6.1 kg
Shipping Weight	16.5 lbs / 7.5 kg

DESCRIPTIVE DATA

System Configuration	compact frequency-shaded line array
Components & Loading	(4) 4" LF; (1) ribbon HF on waveguide
Recommended High-Pass Filter	4 th order Butterworth @ 100 Hz
Enclosure Type	Sealed enclosure, low profile column
Enclosure Material	Steel, composite endcaps
Finish	Black or White standard (custom colors available)
Connectors	NL4 and dual binding head screws
Suspension Hardware	(10) ¼-20 threaded points on back and endcaps – OmniMount 30.0 series compatible (slotted yoke bracket included)
Grille	perforated steel

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