



AMERICAN LOUDSPEAKER INNOVATION

# FlexArray



## DESCRIPTION

**FlexArray** loudspeakers have been developed for Video Walls and large LED displays. They employ a combination of the frequency shaded line array technology from our SLA family of loudspeakers, a compact dipole low frequency steering module, and a sophisticated powered DSP by Powersoft. This unique powered hybrid achieves the precise vertical control and uniform back of room coverage which is essential for high speech intelligibility in longer reverberant spaces.

The **FlexArray** series features the latest "smart amplifier" technology from Powersoft. Their four-channel DSP amplifier module handles speaker processing and dynamically apportions 1100 watts of power to amplifier channels based on program demands. This active amplifier management yields an electrical efficiency of better than 90%.

The thin profile of **FlexArray V2** loudspeakers makes it very easy to link the apparent audio source with the image on its display. Precise articulate sound is projected from loudspeakers which recede into the shadow of the display.



typical configurations

## NOMINAL DATA

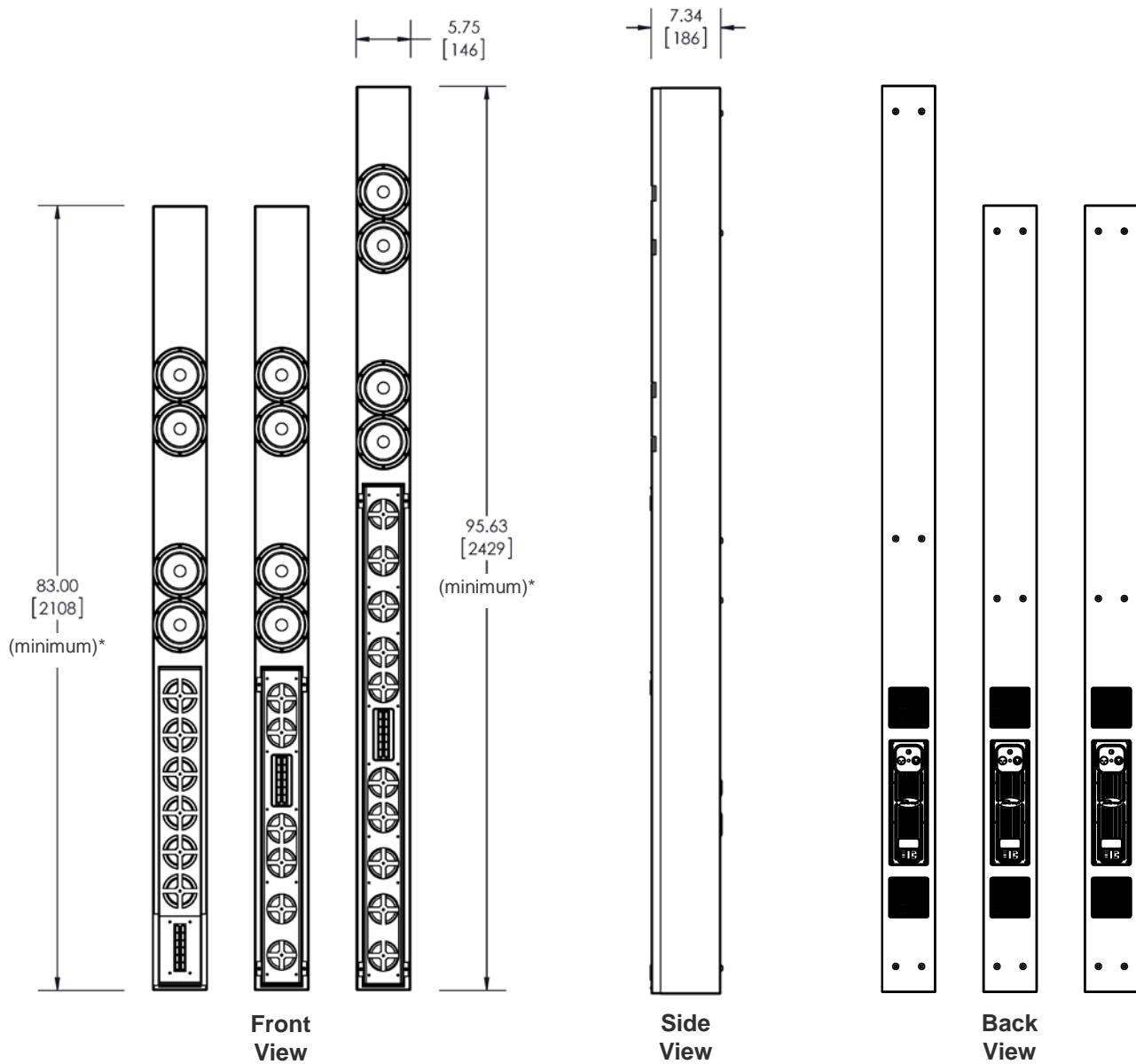
Frequency Response	50–20,000 Hz ± 3 dB
Total Managed Power	1100 Watts
Nominal Coverage Angles	120° H x 25° V
Nominal Pattern Control to	175 Hz
Minimum Loudspeaker Height	76.13" or larger
Maximum Long-Term Output	116 dB
Peak Output	122 dB
Dimensions: height	(custom)
width	5.75" / 146 mm
depth	7.75" / 199 mm
Minimum Net Weight/pair	110.0 lbs / 50.0 kg
<small>(varies with length)</small>	
Minimum Shipping Weight/pair	160.0 lbs / 72.7 kg
<small>(varies with length)</small>	

## DESCRIPTIVE DATA

System Configuration	Frequency-shaded line array with Dipole LF
Components & Loading	(6 or 10) 3.5" MF drivers; (1) HF ribbon (4) 5.25" LF Drivers
Enclosure Type	low profile column and sealed dipole LF
Enclosure Material	Baltic Birch and Steel
Connectors	XLR with loop through
Suspension Options	#1 – Mounting points for attachment to display mounting system
<small>(specify #1 or #2 when ordering)</small>	#2 – Wall-mount
Grille	Perforated metal grille

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MADE IN THE U.S.A.

**DIMENSIONAL DRAWINGS**

\**FlexArray* series drivers are configured based on the dimensions of the associated display and the coverage requirements specific to your project.