



# CPC1212P

POWERED COPLANAR RIBBON LINE ARRAY

SLS AUDIO A DIVISION OF DOLBY LABS 1650 W. JACKSON OZARK, MO 65721 417 323 7000

## TECH DATA SHEET



### Key Features:

- ◆ (12) 6" extended LF woofers and (12) 5" PRD500 Planar Ribbon Drivers
- ◆ Power supply is a universal regulated switch mode with PFC, Operating range is 90V to 264V AC
- ◆ XLR analog input with an unprocessed loop-through output
- ◆ Four presets are available, including Full-range, High SPL, Wall-mount, and an 80Hz 24dB/oct. HPF, set at 80Hz and an 80Hz 24dB/Oct. HPF
- ◆ 90 Degree Horizontal Dispersion
- ◆ Modular, can be used singly or in multiples.

### Applications:

- ◆ Developed for a wide range of professional applications where the highest quality is required
- ◆ Sound reinforcement in churches and auditoriums
- ◆ Stack columns to achieve taller vertical sound field for raked seating applications



### Description:

The SLS CPC1212P is a self-powered compact, high-output column line-source system featuring an on-board Powersoft™ amplifier. A true powered line-source array, the CPC1212P consists of twelve 6" woofers and ten twelve proprietary PRD500 high-output planar ribbon high-frequency drivers. The ribbon HF drivers are mounted in a coplanar configuration, positioned in front of the woofers to provide even, consistent horizontal coverage.

The line-source behavior of the CPC1212P provides excellent vertical pattern control, and a single CPC1212P provides good LF pattern control below 500Hz. The CPC1210P can also be stacked in multiples providing additional vertical coverage, higher system output, and better low-frequency vertical pattern control at lower frequencies.

The larger woofers and additional drivers allows the CPC1212P to provide more subjective power, higher output, and better LF pattern control than the smaller CPC1210P.

The CPC1212P performs extremely well in difficult and problematic venues that exhibit high RT60 times, and/or where long projection with minimal visual impact is required.

The CPC1212P is unique in its ability to couple the aesthetic and pattern-control benefits of a low-profile column line array, with the exceptional clarity and fidelity inherent in a ribbon HF driver-based system. The waveform characteristics of a ribbon driver naturally matches the waveform requirements for line-source coupling, while avoiding the inherent performance trade-offs of a compression driver feeding a waveform-shaping manifold.

The ribbons developed and produced by SLS are specifically engineered for the power-handling and output required for demanding professional audio applications. Proven in years of service around the world, SLS ribbons provide exceptional power handling and output. Mounted in a column line array, SLS ribbon drivers provide unmatched project, sonic accuracy, clarity and transparency.

CPC1212P Specifications*		
Operating Range <sup>1</sup> (-10dB)	45Hz to 20kHz	
Frequency Response <sup>1</sup> (±3dB)	60Hz to 20kHz	
Coverage Angle <sup>2</sup> (-6dB)		
Horizontal	90°	
Vertical <sup>3</sup>	Defined by height of the array	
Nominal Impedance	N/A; Self-Powered Speaker	
Amplifier/DSP		
Amplifier: Class D, S/N ratio: 115dBA, max. input level 15dBu. DSP: Pre-programmed with four settings, including EQ, crossover, limiters. User controls: Input level, preset select x 4 Connectors: Neutrik powerCON in and out, XLR in and out		
Amplifier Mains Power		
Power supply: AC universal, regulated switch mode with power factor correction. Safety ratings include CE, CSA, CB.		
Nominal Power Requirement:	AC 100V – 240V, 50/60Hz	
Power consumption:	10A @ 120 V (typical A/C draw at program power)	
Maximum Output <sup>4</sup>	Continuous	Peak <sup>5</sup>
	124dB	130dB
Transducers		
LF	12 x 6", Ferrite magnet, 1.26" VC, Kapton former	
HF	12 x PRD500 5" planar ribbon drivers, neodymium	
Enclosure		
Material	Baltic Birch	
Finish	Black (Latex), White (Latex) & Natural	
Grille	Color-matched powder-coated steel; Black, White (Black for Natural)	
Rigging		
Type	16 Points - 3/8"-16 threaded inserts	
Dimensions		
Height	80 in	203.2 cm
Width	11.5 in	29.21 cm
Depth	14.87 in	37.77 cm
Weight		
Product (net)	138 lbs.	62.6 kg
Shipping	150 lbs.	68.04 kg

#### Footnotes

- 1 With recommended processing.
- 2 Averaged between 1kHz and 10kHz
- 3 Modular (configurable overall array height).
- 4 Typical SPL for one cabinet only; for array SPL predictions refer to LASS or Ease Focus calculations
- 5 Calculated Peak SPL @ 1m, 6dB above rated AES power, with recommended processing (theoretical calculation for comparison purposes)

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

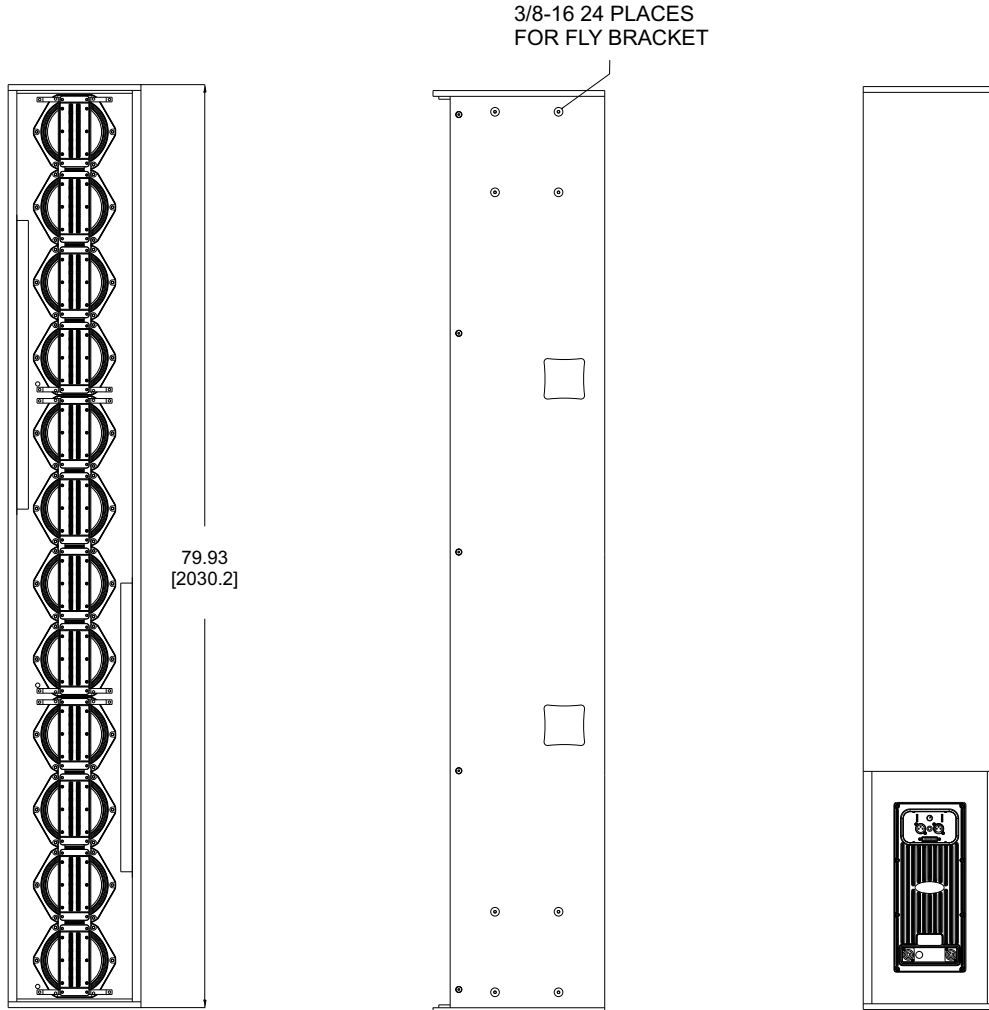


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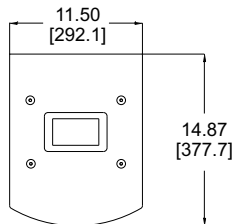
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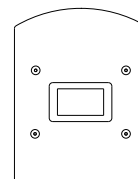
Front view drawing

Side view drawing

Rear panel



Top view drawing



Bottom view drawing