



CPC1210P

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) 5" extended LF woofers and (10) 5" 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
- ◆ 100° 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 CPC1210P is a self-powered compact, high-output column line-source system featuring a factory matched on-board

Powersoft™ amplifier. A true, powered line-source array, the CPC1210P consists of twelve 5" woofers and ten 5" 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 CPC1210P provides excellent vertical pattern control, and a single CPC1210P 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 CPC1210P 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.

CPC1210P Specifications*		
Operating Range ¹ (-10dB)	50Hz to 20kHz	
Frequency Response ¹ (±3dB)	65Hz to 20kHz	
Coverage Angle ² (-6dB)		
Horizontal	100°	
Vertical ³	Defined by height of the array	
Nominal Impedance	N/A; Self-Powered Speaker	
Amplifier/DSP		
Amplifier: Class D, S/N ratio: 113dBA, max. input level 15dBu. DSP: Pre-programmed with four settings, including EQ, crossover, limiters. User controls: Input level, preset select x 4 Connectors: IEC power 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:	6A @ 120 V (typical A/C draw at program power)	
Maximum Output ⁴	Continuous	Peak ⁵
	119dB	125dB
Transducers		
LF	12 x 5", Ferrite magnet, 1.26" VC, Kapton former	
HF	10 x 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	64.5 in	164 cm
Width	8 in	20.3 cm
Depth	8.5 in	21.6 cm
Weight		
Product (net)	85 lbs.	38.5 kg
Shipping	95 lbs.	43 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.

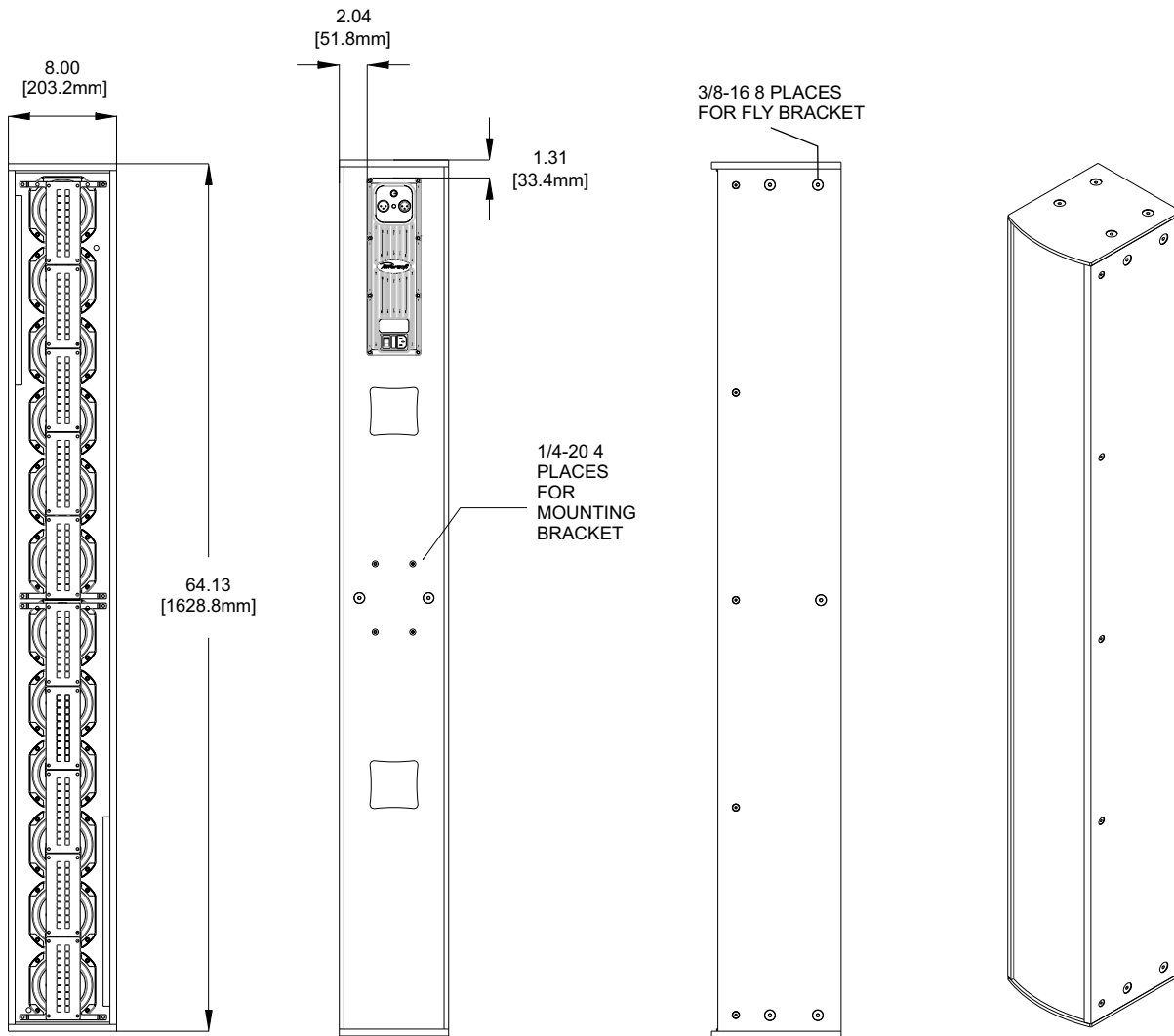


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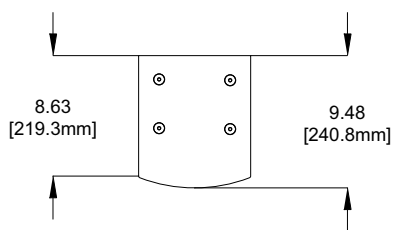


Front view drawing

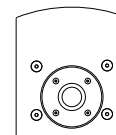
Rear panel

Side view drawing

Iso View



Top view drawing



Bottom view drawing