

CPL™ + Series

CPL™ 4L⁺ - Passive Column Array Speaker



Description

The Crest Audio CPL 4L⁺ is a compact passive column array loudspeaker designed for high quality transmission of speech, music playback, and live performance reinforcement applications where space is at a premium.

The CPL 4L⁺ can be utilized for both permanent installations and portable live sound applications. Perfect for public address, monitoring and background audio reinforcement purposes typically required in houses of worship, clubs, bars/restaurants, retail outlets plus education and corporate meeting facilities or anywhere high quality discrete audio distribution is required.

The CPL 4L⁺ is equipped with four 3 inch full-range Neodymium speakers having a 0.75 inch voice coil. The directivity pattern of the loudspeaker is measured at 90° horizontal and 25° vertical providing a wide yet well controlled audio coverage. Impedance of the loudspeaker is 8 Ohms allowing for easy daisy chaining. Connectivity is made via either looping 4-pin twist-lock or 4-pin Euroblock connectors.

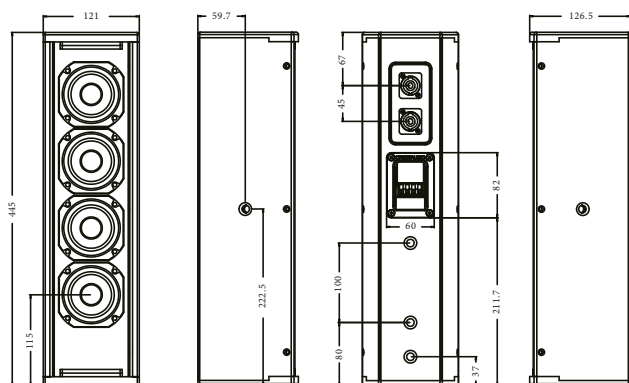
The CPL 4L⁺ enclosure is built from prime-grade 12 mm plywood that offers sturdy mechanical and low resonant electro-acoustic characteristics together with a heavy-duty steel grille backed with acoustic foam to ensure maximum protection of the internal components. The loudspeaker is equipped with a total of 7 threaded suspension points offering multiple mounting options for various applications. Available in durable black and white finish.

Features

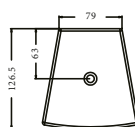
- Compact passive column array loudspeaker
- Four 3" full-range Neodymium speakers, 0.75" voice coil
- Continuous power handling: 120 Watts
- Nominal impedance: 8 Ohms
- Coverage pattern (HxV): 90° x 25°
- Connectors: 2 x 4-pin twist-lock & 4-pin Euroblock
- 2+/- Loop Through
- 12 mm Plywood construction
- Sealed box system
- 7 x M8 suspension points (1 top, 1 bottom, 2 each side, 3 rear)
- Various mounting options
- Textured polyurea paint
- Available in Black and White

Configuration:	Passive Column Array Speaker	Pole Mount:	Optional with special adapter
Power Continuous (Watts):	120	U-Bracket:	No
Power Peak (Watts):	480	Enclosure Design:	Trapezoidal
Sensitivity (1W/1m):	93 dB	Enclosure Material:	0.5" (12 mm) Plywood
Max SPL Peak:	120 dB	Black Finish:	Textured Polyurea Paint
LF Driver:	4 x 3" (76 mm) - Crest Audio FSN030.71	RAL #:	9004 Signal Black (Pantone: Black 6)
Woofer Voice Coil:	0.75" (20 mm)	White Finish:	Textured Polyurea Paint
HF Driver:	No	RAL #:	9003 Signal White (Pantone: 705)
HF Driver Voice Coil:	n/a	Tweeter Protection:	No
Nominal Coverage (HxV):	90° x 25°	Rubber Feet:	No
Frequency Range (-10 dB):	150 Hz - 20 kHz	Handles:	No
Frequency Response (±3 dB):	206 Hz - 13 kHz	Loop Thru (2+/2-):	Yes
Nominal Impedance:	8 Ohms	Logo Position on Grille:	Bottom Center
Input Connectors 1:	2 x 4-pin twist-lock (NL-4 style)	Logo Size:	25 x 25 mm
Input Connectors 2:	1 x 4-pin Euroblock	Grille Foam Backing:	Yes (acoustically transparent)
Suspension Points:	7 x M8	Grille Mesh Size (mm):	3 x 12
Suspension Points Location:	1 x Top, 1 x Bottom, 1 x Left, 1 x Right, 1 x Rear	Monitor Tilt Angle:	No
Suspension Points Rear:	2 x M8 (for optional Wall- or Pole Mount Adapter)	Net Weight:	6 lbs (2.7 kg)
Mounting Points for U-Bracket:	No	Dimensions (HWD):	17.52" x 4.72" x 4.98" (445 x 121 x 126.5 mm)

Dimensions



Accessories



Optional
Wall Mount Adapter



Optional
Pole Mount Adapter

Architect's & Engineer's Specifications

The compact passive column array loudspeaker shall consist of four 3 inch (76 mm) full-range Neodymium transducers with 0.75 inch (20 mm) voice coil.

Performance specifications of a typical production unit shall be: Measured sensitivity SPL at 1 m (3.3ft) with 2.83V input, shall be 93 dB-SPL. Usable frequency response shall extend from 150 Hz to 20 kHz (10 dB below rated sensitivity, in full space, with no external equalization). Nominal impedance shall be 8 Ohms. Rated power capacity shall be at least 120 Watts continuous power and 480 Watts peak power, defined as 6 dB above a test signal of filtered random noise.

The system shall be capable of even coverage at a nominal 90° horizontal through 25° vertical distributed pattern.

The enclosure shall be constructed from prime-grade 12 mm plywood. The loudspeaker shall be equipped with a total of seven (7) suspension points. The grille shall be of heavy-duty steel backed with acoustically transparent foam. The external wiring shall be via either two 4-pin twist-lock or one 4-pin Euroblock connectors. The loudspeaker shall be 17.52 inches (445 mm) high by 4.72 inches (121 mm) wide by 4.98 inches (126.5 mm) deep weighing 6 pounds (2.7 kg). The finish shall be a paintable lightly textured black or white.

The compact column array loudspeaker shall be the Crest Audio CPL 4L⁺.