

CPL™ + Series

CPL™ 8L⁺ - Passive Column Array Speaker



Description

The Crest Audio CPL 8L⁺ 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 8L⁺ 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 8L⁺ is equipped with eight 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 20° vertical providing a wide yet well controlled audio coverage. Impedance of the loudspeaker is 4 Ohms allowing for easy daisy chaining. Connectivity is made via either looping 4-pin twist-lock or 4-pin Euroblock connectors.

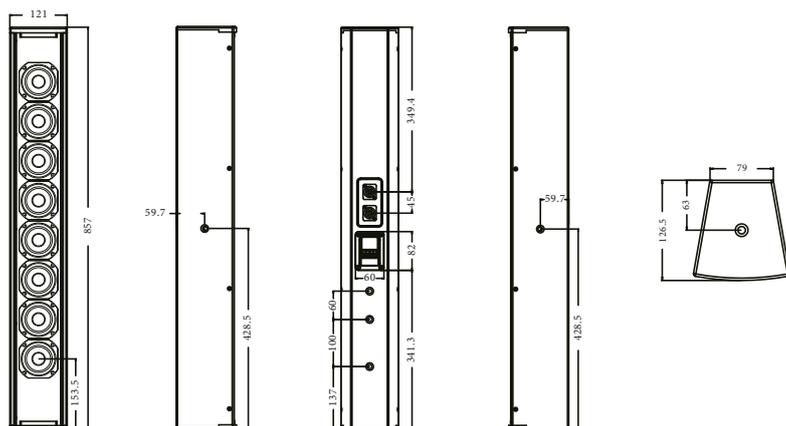
The CPL 8L⁺ enclosure is built from prime-grade 12 mm plywood that offers sturdy mechanical and low resonant electro-acoustic characteristics together with a heavy-duty steel grille backed with acoustic foam to ensure maximum protection of the internal components. The loudspeaker is equipped with a total of 7 threaded suspension points offering multiple mounting options for various applications. Available in durable black and white finish.

Features

- **Passive column array loudspeaker**
- **Eight 3" full-range Neodymium speakers, 0.75" voice coil**
- **Continuous power handling: 240 Watts**
- **Nominal impedance: 4 Ohms**
- **Coverage pattern (HxV): 90° x 20°**
- **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):	240	U-Bracket:	No
Power Peak (Watts):	960	Enclosure Design:	Trapezoidal
Sensitivity (1W/1m):	96 dB	Enclosure Material:	0.5" (12 mm) Plywood
Max SPL Peak:	126 dB	Black Finish:	Textured Polyurea Paint
LF Driver:	8 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 20°	Rubber Feet:	No
Frequency Range (-10 dB):	130 Hz - 20 kHz	Handles:	No
Frequency Response (±3 dB):	175 Hz - 13.9 kHz	Loop Thru (2+/2-):	Yes
Nominal Impedance:	4 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:	10.7 lbs (4.9 kg)
Mounting Points for U-Bracket:	No	Dimensions (HWD):	33.74" x 4.72" x 4.98" (857 x 121 x 126.5 mm)

Dimensions



Accessories



Optional
Wall Mount Adapter



Optional
Pole Mount Adapter

Architect's & Engineer's Specifications

The passive column array loudspeaker shall consist of eight 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 2.0V input, shall be 96 dB-SPL. Usable frequency response shall extend from 130 Hz to 20 kHz (10 dB below rated sensitivity, in full space, with no external equalization). Nominal impedance shall be 4 Ohms. Rated power capacity shall be at least 240 Watts continuous power and 960 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 20° 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 33.74 inches (857 mm) high by 4.72 inches (121 mm) wide by 4.98 inches (126.5 mm) deep weighing 10.7 pounds (4.9 kg). The finish shall be a paintable lightly textured black or white.

The compact column array loudspeaker shall be the Crest Audio CPL 8L⁺.