



BLAZE

A complimentary supporting member to the Blaze Audio loudspeaker family, the CBL523 excels in acoustic enhancement & harmony.



The ultra-compact and innovatively designed CBL523 is a perfect fit where front-fill, balcony-fill, delay and on-wall distributed audio is needed. The 20.5 x 35 cm (8" x 14") enclosure features two 5" low-frequency drivers complimented by a vertical Constant Directivity array of three 2" mid-high frequency drivers, delivering 119 dB of maximum SPL in a focused 160° (horizontal) x 55° (vertical) pattern.

The CBL523 has versatile mounting options with custom designed hardware, as well as the ability to stack and suspend two units together for increased SPL and an increased 30° vertical pattern.

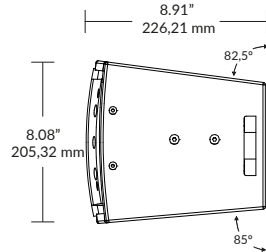
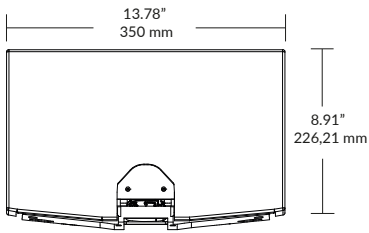
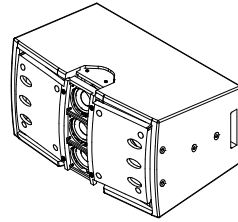
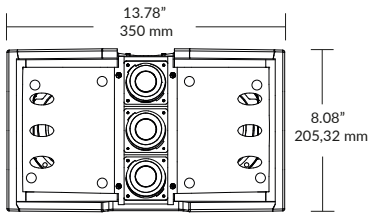


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TECHNICAL SPECIFICATIONS



SYSTEM PERFORMANCE

| | |
|---|--|
| Frequency Response (-3 dB) ¹ | 71 Hz - 18 kHz |
| Frequency Range (-10 dB) | 55 Hz - 18 kHz |
| Recommended High-Pass Filter | 48 Hz |
| Horizontal Nominal Dispersion (-6 dB) | 160° |
| Vertical Nominal Dispersion (-6 dB) | 55° (Average beamwidth, 500 Hz - 5 kHz) |
| Recommended Crossover Frequency | 520 Hz |
| Long Term Power Handling (Full Range) ² | 160 W |
| Impedance | 4 Ω |
| Pressure Sensitivity @ 1 W / 1 m (2.83 V) ³ | 91 dB |
| Max SPL @ 1 W / 1 m ⁴ | 119 dB (125 dB SPL peak) |

PHYSICAL CHARACTERISTICS

| | |
|-----------------------|---|
| Enclosure | 12 mm Baltic birch plywood, engineered plastics. |
| Finish | Two-part spray catalyzed Polyurea coating on plywood. |
| Grille | 16-gauge (1,6 mm) perforated steel, powder-coated finish, black. |
| Environmental | Indoor use only. |
| Connectors / Bi-Amp | Two (2) parallel-wired NL4 Neutrik® Speakon® connectors. |
| Suspension / Mounting | Wall/Ceiling Mount and Suspension Options. Hardware sold separately. |
| Dimensions (HxWxD) | 8.08" x 13.78" x 8.90" (205,32 x 350 x 226,21mm) |
| Net Weight | 15 lbs / 6,8 kg |
| Shipping Weight | 18 lbs / 8,16 kg |
| Color Variants | Black or White |
| Product Version | CBL523 |

1. Frequency response and range measured on-axis with recommended active EQ in an anechoic environment.

2. Power handling tested using pink noise filtered to meet IEC 268-5, 6 dB crest factor, 100 hours, with recommended EQ.

3. Sensitivity measured in free field (no boundary-loading gain) with recommended active EQ, referenced to 1 W / 1 m.

4. Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression (100 Hz - 10 KHz).

