



### APPLICATIONS

- Performing Arts Centers
- Commercial Theatre
- Houses of Worship
- Cafés, Bars and Restaurants
- Fitness & Sports venues
- Compact, symmetrical enclosure, ideal for under-balcony or as on wall applications.

### Passive, 2-way Constant Beamwidth Loudspeaker

## CBL523

The CBL523 supports and compliments the other members of the Blaze Audio loudspeaker family when used for delay, under-balcony, stage edge-fill and wall-mount applications.

### FEATURES



The ultra-compact and innovatively designed CBL523 is a perfect fit where on-wall distributed audio is needed.

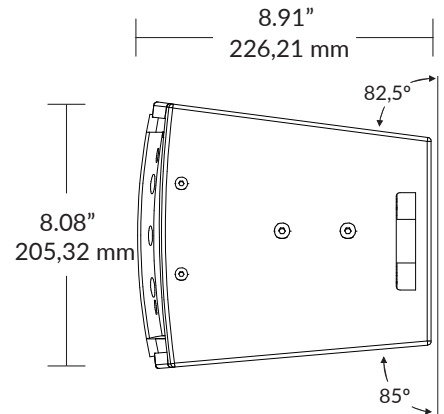
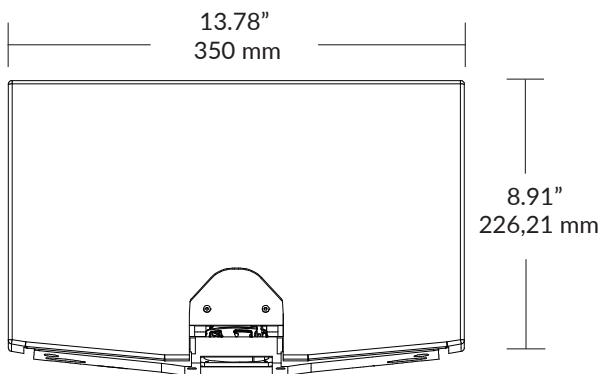
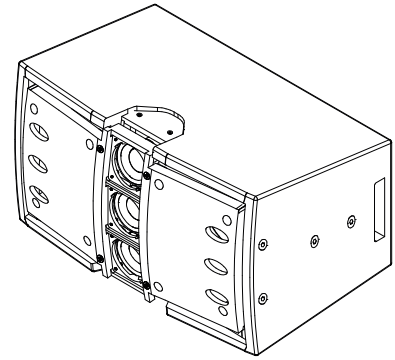
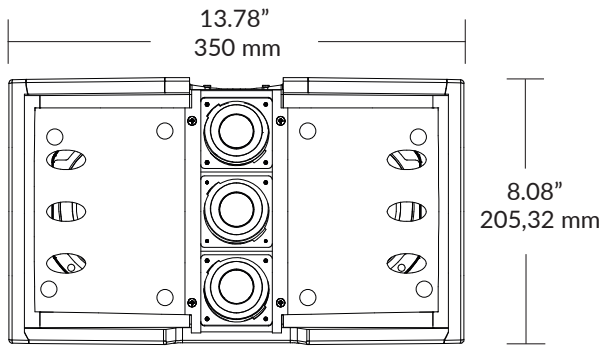
The 20 x 35 cm (8" x 14") enclosure features two 5" proprietary low-frequency drivers complimented by a vertical constant directivity array of three 2" mid-high frequency drivers, delivering 119 dB of maximum SPL in a focused 160° (horizontal) x 55°\* (vertical) pattern.

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 enhanced vertical coverage & pattern control.

\*Average beamwidth, 500 Hz - 5 kHz.

- Two x 5" custom low-frequency drivers.
- Three x 2" mid-high frequency drivers.
- 160° x 55°\* Constant Beamwidth pattern.
- 119 dB maximum SPL.
- Symmetrical and compact trapezoidal design.
- Powder coated steel grille with a high transmission ratio.
- Fully integrates with Blaze Audio PowerZone™ Connect amplifiers (1002 or higher).

## TECHNICAL SPECIFICATIONS



### SYSTEM PERFORMANCE

Frequency Response (-3 dB) <sup>1</sup>	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) <sup>2</sup>	160 W
Impedance	4 Ω
Pressure Sensitivity @ 1 W / 1 m (2.83 V) <sup>3</sup>	91 dB
Max SPL @ 1 W / 1 m <sup>4</sup>	119 dB

### 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).



**BLAZE**  
BY SONANCE

©2025 Sonance. All rights reserved. Sonance is a registered trademarks of Dana Innovations. Due to continuous product improvement, all features and specifications are subject to change without notice. For the latest Sonance product specification information visit our website at [www.sonance.com](http://www.sonance.com).