

BLAZE

Designed as a short to medium throw loudspeaker, the CBL528 is ideally suited for a wide range of fixed installations.

Featuring a compact form factor that minimizes both transportation and line-of-sight considerations. With its bi-Amped design for system integration with Blaze Audio amplifiers, it makes an excellent choice for permanent installations such as sports arenas, conference centers, performing arts venues, and houses of worship.



With its wide 180° horizontal and 45° vertical dispersion, this loudspeaker supports a frequency range from 54 Hz to 18 kHz, ensuring clear, natural-sounding music and highly articulate speech reproduction.

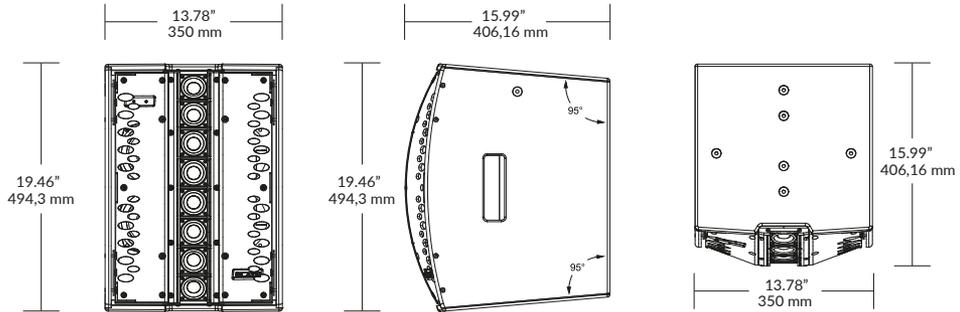
Equally important, the CBL528's symmetrical dispersion pattern ensures that listeners hear consistent sound, regardless of whether they are positioned in front of, to the left, or to the right of the loudspeaker.



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TECHNICAL SPECIFICATIONS



SYSTEM PERFORMANCE

Frequency Response (-3 dB) ¹	54 Hz - 18 kHz
Frequency Range (-10 dB) ²	48 Hz - 18 kHz
High-Pass Filter	48 Hz - w/ minimum 24 dB / Butterworth Filter
Horizontal Nominal Dispersion (-6 dB)	180°
Vertical Nominal Dispersion (-6 dB)	45°
Recommended Crossover Frequency	420 Hz (acoustic, active, external DSP)
Long Term Power Handling (Low Freq.) ²	320 W (1280 W peak)
Long Term Power Handling (High Freq.) ²	200 W (800 W peak)
Low Frequency Impedance	8 Ω
High Frequency Impedance	5.2 Ω
Pressure Sensitivity (Low Freq. @ 1 W / 1 m) ³	93 dB
Pressure Sensitivity (High Freq. @ 1 W / 1 m) ³	95.5 dB
Max System SPL (@ 1 m) ⁴	121 dB SPL (127 dB SPL peak)

PHYSICAL CHARACTERISTICS

Enclosure	12 mm Baltic birch plywood, engineered plastics.
Finish	Two-part spray catalyzed Polyurea coating on plywood.
Grille	14-gauge (2 mm) perforated steel, powder-coated finish, black.
Environmental	Indoor use only.
Connectors / Bi-Amp	One (1) NL4 Neutrik® Speakon® connectors.
Suspension / Mounting	M10 x 4, projector mount, two-position pole mount.
Dimensions (HxWxD)	19.46" x 13.78" x 15.99" (494,3 x 350 x 406,16 mm)
Net Weight	38.5 lbs / 17,46 kg
Shipping Weight	43.5 lbs / 19,75 kg
Color Variants	Black or White
Product Version	CBL528

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).



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