

# JBL CBT 100LA-LS Specs

Components	16 x 2" (50 mm) full-range
Frequency Range	-10 dB: 120 Hz to 20 kHz
Coverage Pattern	Vertical: Narrow Mode: 15° (2 to 16 kHz) (±10°) Broad Mode: 40° (1 to 16 kHz) (±10°) Horizontal: 150° (ave, 1 to 4 kHz, ±20°)
Sensitivity	2.83 V @ 3.3' (1 m): Narrow: (Speech mode) 96 dB (2 to 14 kHz); (music mode) 93 dB (300 Hz to 18 kHz) Broad: (Speech mode) 93 dB (2 to 14 kHz); (music mode) 90 dB (300 Hz to 18 kHz) EN54 Sensitivity @ 13 (4 m); 76 dB (per EN54:24 spectrum and measurement conditions at 13' (4 m), set at broad/music mode)
Nominal Impedance	8 ohms (in Thru mode) 15 W @ 70 V; 30 W @ 100 V Tap = 333 ohms 30 W @ 70 V; 60 W @ 100 V Tap = 167 ohms 60 W @ 70 V; 120 W @ 100 V Tap = 83 ohms 120 W @ 70 V; N/C @ 100 V Tap = 42 ohms
Power Capacity	8 ohms Setting: 325 W (1300 W peak), 2 hours 200 W (800 W peak), 100 hours

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Max SPL Level	Narrow: (speech mode) 121 dB cont ave (127 peak); (music mode) 118 dB cont ave (124 peak) Broad: (speech mode) 118 dB cont ave (124 peak) (music mode) 115 dB cont ave (121 peak) EN54 maximum SPL @ 13'(4 m) 92 dB (per EN54:24 spectrum and measurement conditions, at 13')
Transformer Taps	70/100 V: 120, 60, 30 W (15 W at 70 V only), and 8 thru, via switch
Axes	Specification and measurement referenced on-axis vertically and horizontally to the center point of the speaker baffle.
Enclosure	Fiberglass-reinforced ABS cabinet with UL94-5VB flammability rating, painted aluminum grille
Outdoor Use	IP-55 rated, per IEC529, when installed with included MTC-PC2 Panel Cover. UV, moisture and 200-hr ASTM G85 acid-air/salt-spray
Insert	18 x M6 insert points on back panel
Mounting	Included swivel (pan)/tilt wall bracket provides continuously variable +/-80-degree left-right swivel aiming (at no up/down tilt) Continuously adjustable $\pm 15$ -degree tilt, as well as 5 degrees fixed increment points. 18 threaded mounting points located on back panel conform to industry-standard rectangular 4.25 x 2.0 (108 x 51 mm)

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pattern for OmniMount 30.0 and other compatible brackets. Threaded mounting points can be utilized for suspension.

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Safety Agency Approval

EN54-24:2008 certified (Certificate No. 0359-CPR-00432), when installed with MTC-PC2 terminal panel cover. Cabinet UL94-5VB flammability rated. In accordance with the requirements of IEC60849/EN60849. Transformer UL registered per UL1876

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Dimensions (H x W x D)

39.4 x 3.80 x 6.00" (100.0 x 9.85 x 15.3 cm)

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Weight

15.8 lb (7.2 kg)

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