

Corner Cabinet Loudspeakers

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BOSCH

Invented for life



- ▶ Good speech intelligibility and background music reproduction
- ▶ Special shape for mounting in corners
- ▶ Available in black or white
- ▶ MDF construction
- ▶ Compliancy with international installation and safety regulation

The LB1-CW06-x1 is a 6 W, general-purpose cost-effective loudspeaker for indoor use. Two brackets with keyholes, fixed on one side provide quick and easy mounting in corners between two walls, or between a wall and ceiling. The cabinet is available in black or white.

Functions

The robust, solid MDF (Medium Density Fiber board) enclosures are covered with a durable, easy-to-clean vinyl in white or black. The ABS fronts are covered with fine woven cloth in matching color. The cabinet shapes allow installation in corners between walls, and between wall and ceiling.

Certifications and approvals

Quality assurance

All Bosch loudspeakers are designed to withstand operating at their rated power for 100 hours in accordance with IEC 268-5 Power Handling Capacity (PHC) standards. Bosch has also developed the Simulated Acoustical Feedback Exposure (SAFE) test to demonstrate that they can withstand two times their rated power for short durations. This ensures improved reliability under extreme conditions, leading

to higher customer satisfaction, longer operating life, and lessens the chance of failure or performance deterioration.

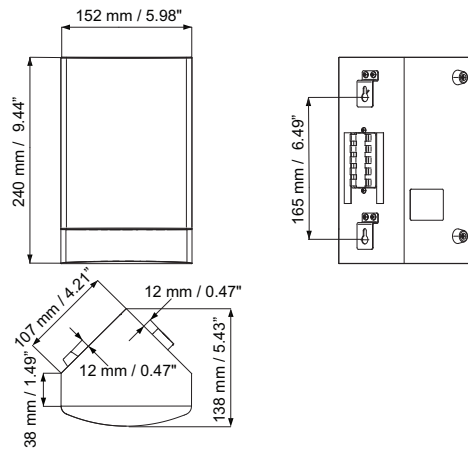
Safety acc. to EN 60065

Region	Certification
Europe	CE

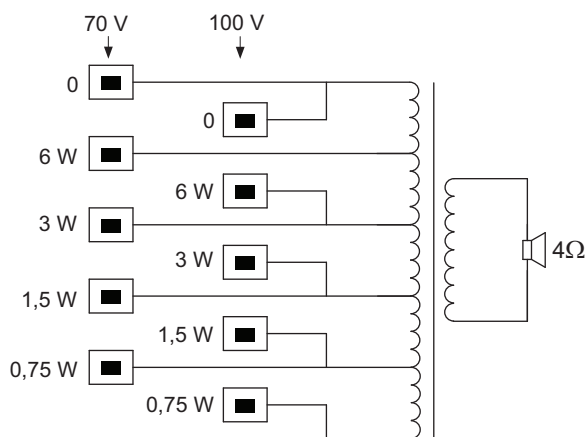
Installation/configuration notes

Two keyhole brackets at one side of the cabinet are provided for easy and quick wall mounting. The other side of the cabinet is provided with two rubber feet for absorbing unwanted vibrations and secure mounting.

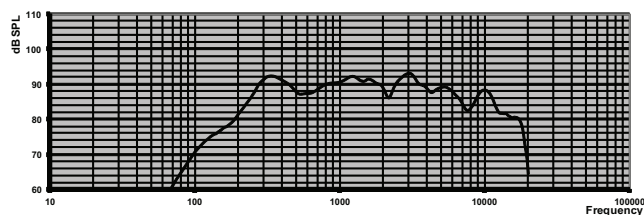
A convenient easy-to-use, double five-pole push-in terminal block is present on the side for on-site wiring. This terminal block has provision for power tapping on the 70 V / 100 V, matching transformer in the cabinet. It allows selection of nominal full-power, half-power, quarter-power or eight-power radiation (in 3 dB steps).



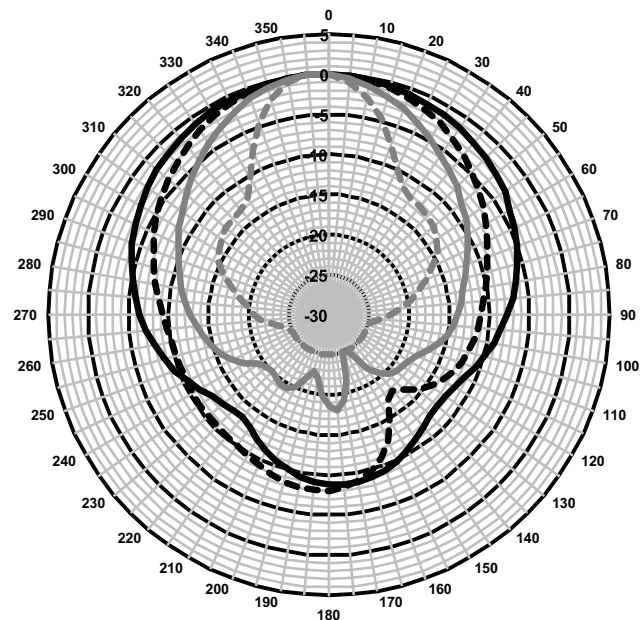
Dimensions



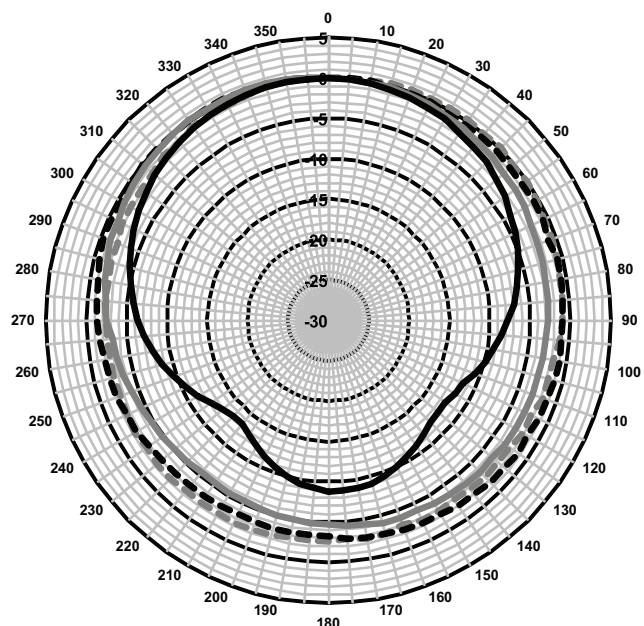
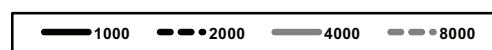
Circuit diagram



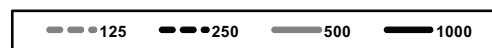
Frequency response



pink noise octave



pink noise octave



Polar diagrams (measured with pink noise)

Octave band sensitivity*

	Octave SPL 1W/1m	Total octave SPL 1W/1m	Total octave SPL Pmax/1m
125 Hz	75.3	-	-
250 Hz	90.5	-	-
500 Hz	89.7	-	-
1000 Hz	91.2	-	-
2000 Hz	90.7	-	-
4000 Hz	91.2	-	-
8000 Hz	88	-	-
A-weighted	-	87.5	88.3
Lin-weighted	-	94.8	95.7

Octave band opening angles

	Horizontal	Vertical	
125 Hz	360	-	
250 Hz	360	-	
500 Hz	360	-	
1000 Hz	164	-	
2000 Hz	118	-	
4000 Hz	82	-	
8000 Hz	39	-	

Acoustical performance specified per octave

* (all measurements are done with a pink noise signal; the values are in dB SPL)

Technical specifications

Electrical*

Maximum power	9 W
Rated power	6 / 3 / 1.5 / 0.75 W
Sound pressure level at 6 W / 1 W (1 kHz, 1 m)	99 dB / 91 dB (SPL)
Effective frequency range (-10 dB)	198 Hz to 15 kHz
Opening angle	1 kHz / 4 kHz (-6 dB)
horizontal	164° / 82°

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vertical	n.a.
Rated input voltage	70 V / 100 V
Rated impedance	835 / 1667 ohm
Connector	2x 5-pole push-in terminal block

* Technical performance data acc. to IEC 60268-5

Mechanical

Dimensions (H x W x D)	240 x 151 x 138 mm (9.5 x 5.9 x 5.6 in)
Weight	1.31 kg (2.88 lb)
Color	Black (D1) or white (L1)
cabinet / cloth (D1)	Matches RAL 9004 / RAL 9004
cabinet / cloth (L1)	Matches RAL 9010 / RAL 7044

Environmental

Operating temperature	-25 °C to +55 °C (-13 °F to +131 °F)
Storage temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	<95%

Ordering information

Corner Cabinet Loudspeaker

Corner cabinet loudspeaker 6 W, MDF enclosure with fine-woven cloth front, finished in black, special shape for mounting in corners, supplied with two brackets with keyholes.

Order number **LB1-CW06-D1**

Corner Cabinet Loudspeaker

Corner cabinet loudspeaker 6 W, MDF enclosure with fine-woven cloth front, finished in white, special shape for mounting in corners, supplied with two brackets with keyholes.

Order number **LB1-CW06-L1**