

Cabinet Loudspeakers

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BOSCH

Invented for life



- ▶ Good speech intelligibility and background music reproduction
- ▶ Available in black or white
- ▶ MDF construction
- ▶ Complies with international installation and safety regulations

The LB1-UW12-x1 is a 12 W, general-purpose, cost-effective loudspeaker for indoor use. Keyholes at the rear provide quick and easy wall mounting. The angled front baffle results in a better sound in the listening area. 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 a choice of white or black. The ABS fronts are covered with fine woven cloth in matching color. The angled front baffle results in improved high frequency reproduction in the listening area.

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.

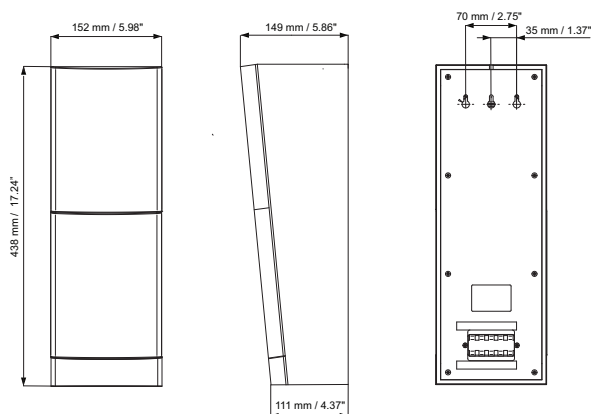
Safety

acc. to EN 60065

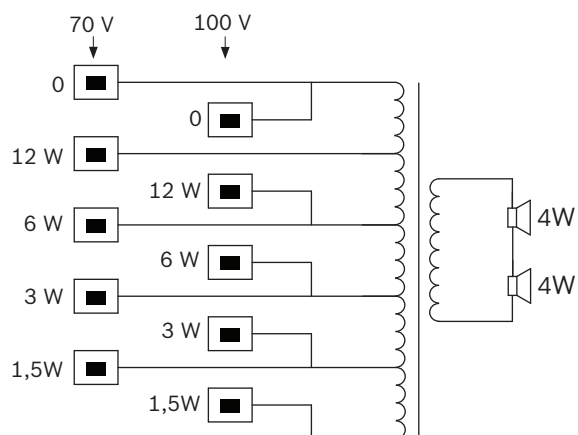
Region	Certification
Europe	CE

Installation/configuration notes

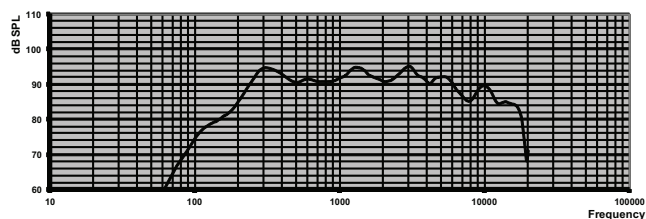
Three keyholes in the rear panel provide easy and quick wall mounting. A convenient easy-to-use, double five-pole push-in terminal block is present on the rear panel for on-site wiring. This terminal block has provision for power tapping on the 70 V / 100 V, matching transformer in the cabinet. It allows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



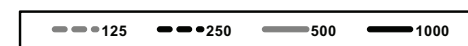
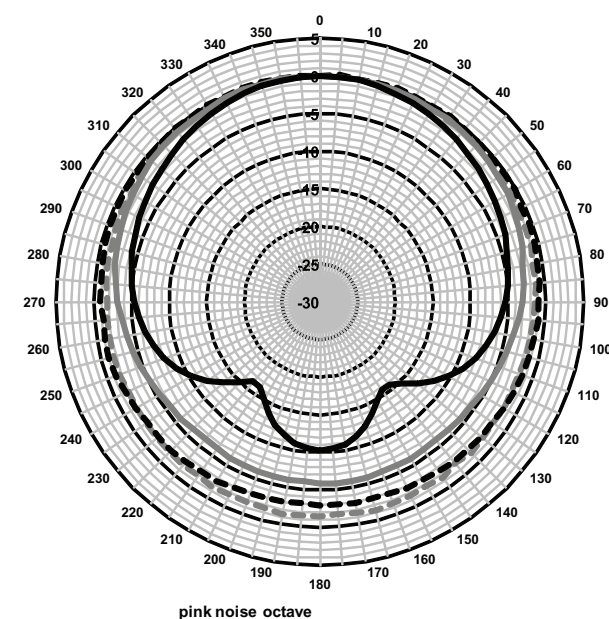
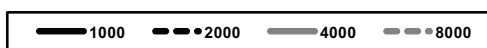
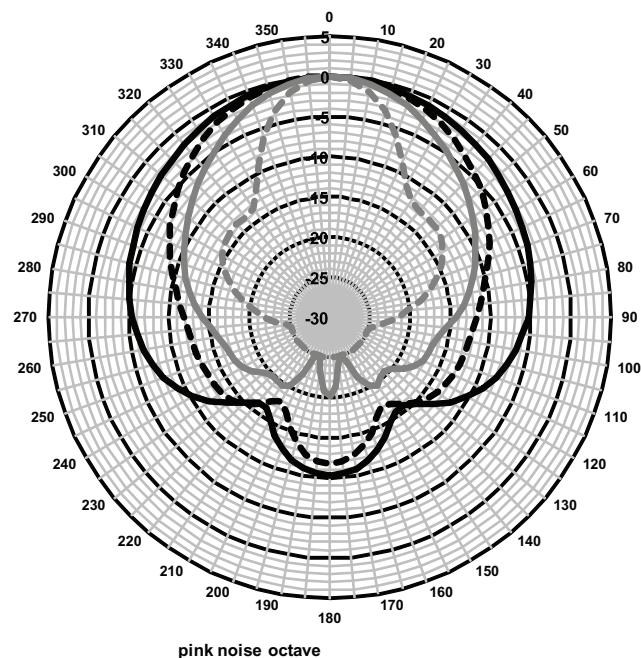
Dimensions



Circuit diagram



Frequency response



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	78.9	-	-
250 Hz	93.0	-	-
500 Hz	92.0	-	-
1000 Hz	93.1	-	-
2000 Hz	92.8	-	-
4000 Hz	93.3	-	-
8000 Hz	89.8	-	-
A-weighted	-	89.6	99.6
Lin-weighted	-	90.4	100.6

Octave band opening angles

	Horizontal	Vertical	
	360	>180	
250 Hz	360	>180	
500 Hz	360	136	
1000 Hz	190	60	
2000 Hz	106	34	
4000 Hz	82	18	
8000 Hz	40	27	

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	18 W
Rated power	12 / 6 / 3 / 1.5 W
Sound pressure level at 12 W / 1 W (1 kHz, 1 m)	104 / 93 dB (SPL)
Effective frequency range (-10 dB)	185 Hz to 17 kHz
Opening angle	1 kHz / 4 kHz (-6 dB)
horizontal	190° / 82°

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vertical	60° / 18°
Rated input voltage	70 V / 100 V
Rated impedance	417 / 833 ohm
Connector	2x 5-pole push-in terminal block

* Technical performance data acc. to IEC 60268-5

Mechanical

Dimensions (H x W x D)	441x151x150/111 mm (17.4x5.9x5.9/4.4 in)
Weight	2.45 kg (5.4 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

Cabinet Loudspeaker

Cabinet loudspeaker 12 W, MDF enclosure with fine-woven cloth front, finished in black, with 3 keyholes for wall mounting.

Order number **LB1-UW12-D1**

Cabinet Loudspeaker

Cabinet loudspeaker 12 W, MDF enclosure with fine-woven cloth front, finished in white, with 3 keyholes for wall mounting.

Order number **LB1-UW12-L1**