

# Cabinet Loudspeakers

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**BOSCH**  
Invented for life



- ▶ Good speech intelligibility and background music reproduction
- ▶ Finished in white or black
- ▶ MDF construction
- ▶ Mounting brackets for wall or ceiling mounting
- ▶ Complies with international installation and safety regulations

The LB1-UW06-Fx1 is a 6 W, general-purpose, cost-effective loudspeaker for indoor use. Two brackets, fixed to the rear panel, are provided for quick and easy mounting on a wall or ceiling. The cabinet is available in the colors black or white.

## Functions

The robust, solid MDF (medium density fiberboard) 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.

## 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.

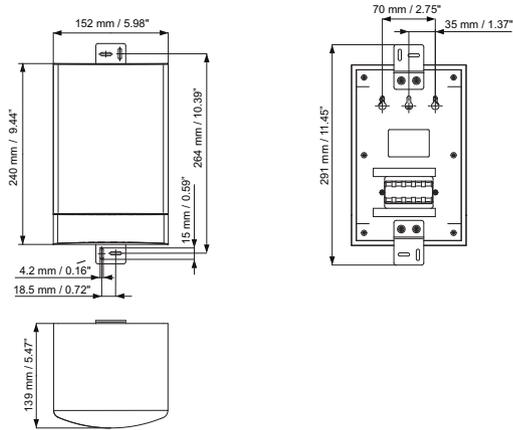
Safety acc. to EN 60065

Region	Certification
Europe	CE

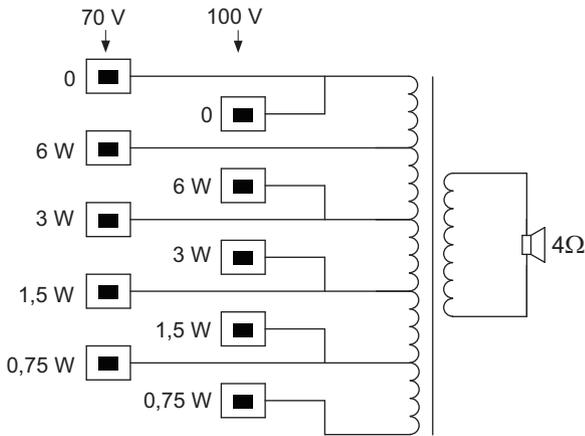
## Installation/configuration notes

Two mounting brackets, fixed to the rear panel provide easy and quick wall mounting or ceiling mounting. If these are not desired, they can be removed, and the unit can still be wall mounted using the three keyholes in the rear panel.

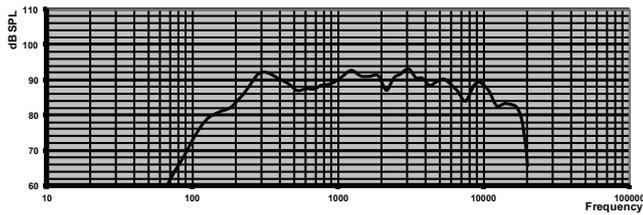
A convenient, easy-to-use, double five-pole push-in terminal block is on the rear panel for on-site wiring. This terminal block has provision for power tapping on the 70 V / 100 V matching transformer in the cabinet. It allows selection of nominal full-power, half-power, quarter-power or eight-power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



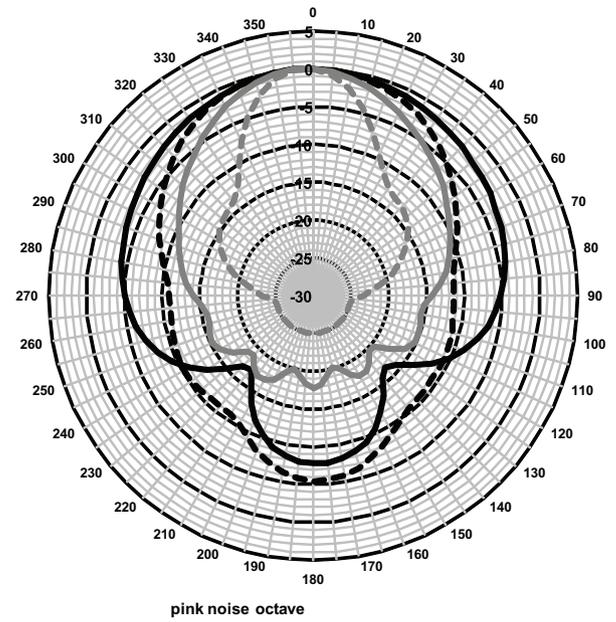
Dimensions



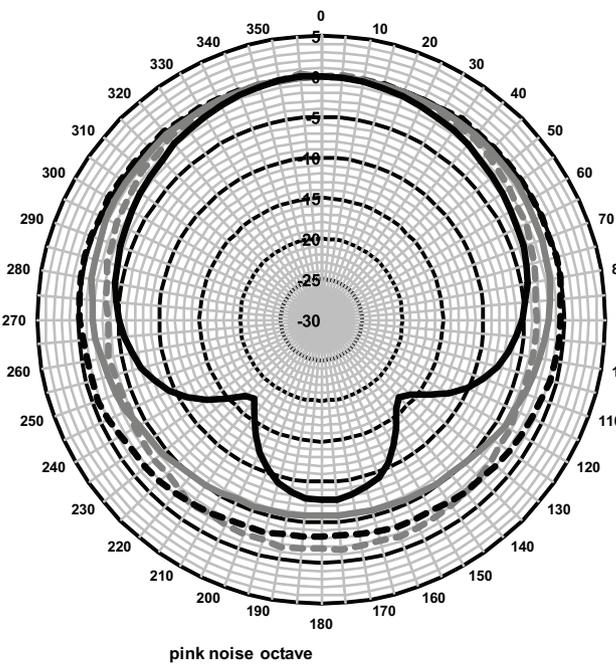
Circuit diagram



Frequency response



pink noise octave  
 — 1000    - - - 2000    — 4000    - - - 8000



pink noise octave  
 - - - 125    - - - 250    — 500    — 1000

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	79	-	-
250 Hz	90.7	-	-
500 Hz	89.2	-	-
1000 Hz	91	-	-
2000 Hz	90.9	-	-
4000 Hz	91.6	-	-
8000 Hz	89.1	-	-
A-weighted	-	87.8	94.9
Lin-weighted	-	88.5	95.8

Octave band opening angles

	Horizontal	Vertical	
125 Hz	360	-	
250 Hz	360	-	
500 Hz	360	-	
1000 Hz	194	-	
2000 Hz	106	-	
4000 Hz	82	-	
8000 Hz	40	-	

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)
Sound pressure level at 6 W / 1 W (4 kHz, 1 m)	100 dB / 92 dB (SPL)
Effective frequency range (-10 dB)	185 Hz to 17 kHz

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Opening angle	1 kHz / 4 kHz (-6 dB)
horizontal	194° / 82°
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 139 mm (9.4 x 5.9 x 5.5 in)
Weight	1.68 kg (3.7 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 6 W, MDF enclosure with fine-woven cloth front, finished in black, supplied with mounting brackets for wall or ceiling mounting. Order number **LB1-UW06-FD1**

Cabinet Loudspeaker

Cabinet loudspeaker 6 W, MDF enclosure with fine-woven cloth front, finished in white, supplied with mounting brackets for wall or ceiling mounting. Order number **LB1-UW06-FL1**