

# Cabinet Loudspeakers

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**BOSCH**  
Invented for life



- ▶ Good speech intelligibility and background music reproduction
- ▶ Available in black or white
- ▶ MDF construction
- ▶ With or without integral volume control
- ▶ Complies with international installation and safety regulations

The LB1-UW06x-x1 is a 6 W, general-purpose, cost-effective loudspeaker for indoor use, with or without volume control. Keyholes at the rear are provided for 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.

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

Safety acc. to EN 60065

## 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. The speaker is available with or without a volume control.

Region	Certification
Europe	CE

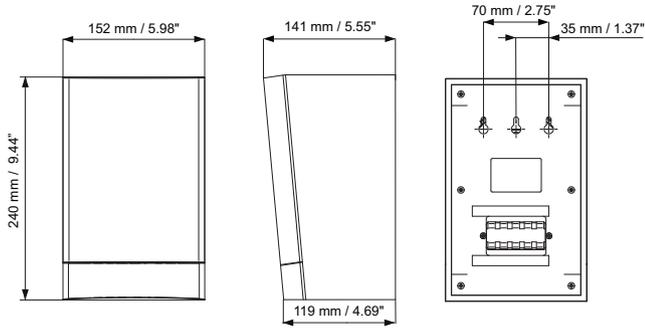
## Certifications and approvals

### Quality assurance

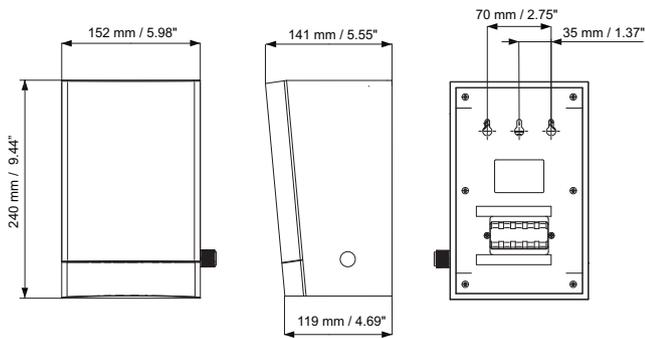
All Bosch loudspeakers are designed to withstand operating at their rated power for 100 hours in accordance with IEC 268-5 Power Handling Capacity (PHC) standards. Bosch has also developed the Simulated Acoustical Feedback Exposure (SAFE) test to demonstrate that they can withstand two times their rated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

## Installation/configuration notes

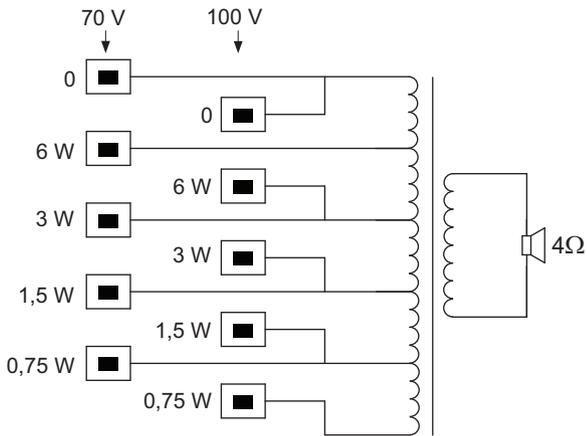
Three keyholes in the rear panel provide easy and quick wall mounting. A convenient, easy-to-use, double five-pole push-in terminal block is on the rear panel for on-site wiring. This terminal block has provision for power tapping on the 70 V / 100 V, matching transformer in the cabinet. It allows selection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



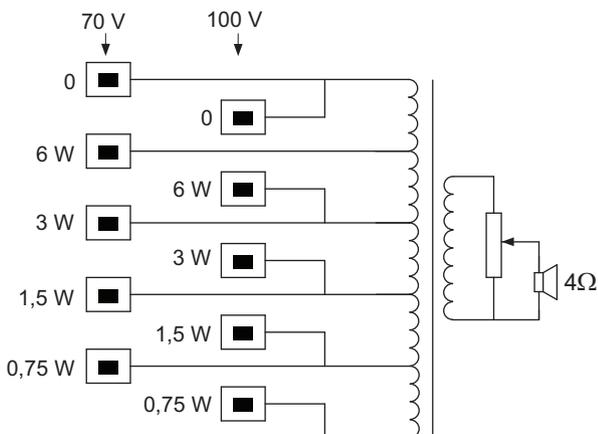
LB1-UW06-x1 dimensions



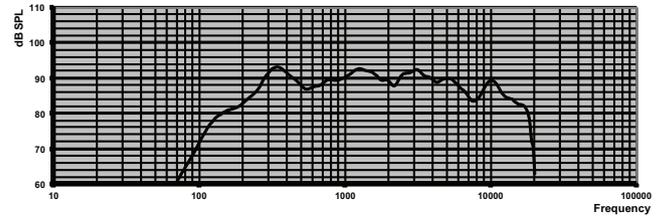
LB1-UW06V-x1 dimensions



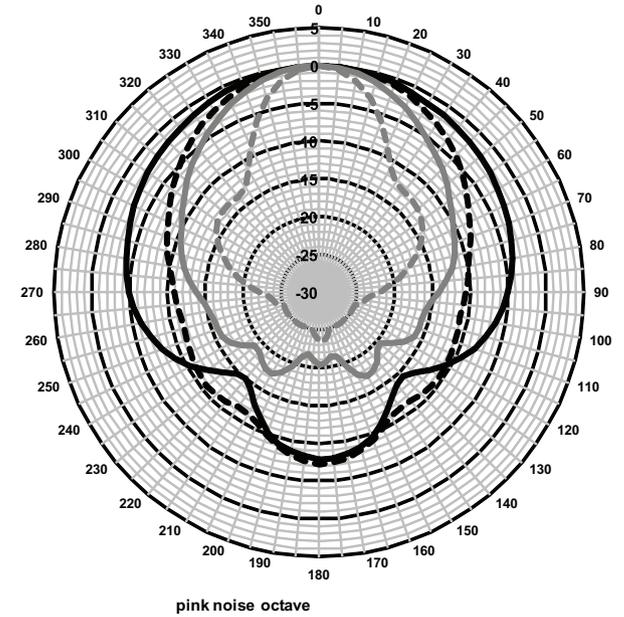
LB1-UW06-x1 circuit diagram



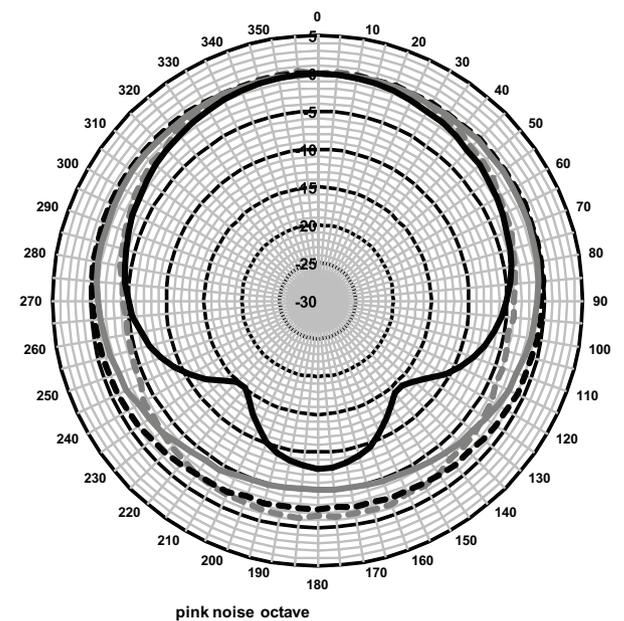
LB1-UW06V-x1 circuit diagram



Frequency response



pink noise octave



Polar diagram (measured with pink noise)

## Octave band sensitivity\*

	Octave SPL 1W/1m	Total octave SPL 1W/1m	Total octave SPL Pmax/1m
125 Hz	78.8	-	-
250 Hz	90.5	-	-
500 Hz	90	-	-
1000 Hz	91.3	-	-
2000 Hz	90.8	-	-
4000 Hz	91.5	-	-
8000 Hz	89.1	-	-
A-weighted	-	87.8	94.9
Lin-weighted	-	88.6	95.9

## Octave band opening angles

	Horizontal	Vertical	
125 Hz	360	-	
250 Hz	360	-	
500 Hz	360	-	
1000 Hz	195	-	
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	185 Hz to 17 kHz (-10 dB)
Opening angle	1 kHz / 4 kHz (-6 dB)
horizontal	195° / 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)	240x151x141/119 mm (9.4 x 5.9 x 5.6/4.7 in)
Weight	1.49 kg (3.28 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, with 3 keyholes for wall mounting.

Order number **LB1-UW06-D1**

#### Cabinet Loudspeaker

Cabinet loudspeaker 6 W, MDF enclosure with fine-woven cloth front, finished in white, with 3 keyholes for wall mounting.

Order number **LB1-UW06-L1**

#### Cabinet Loudspeaker with Volume Control

Cabinet loudspeaker 6 W with volume control, MDF enclosure with fine-woven cloth front, finished in black, with 3 keyholes for wall mounting.

Order number **LB1-UW06V-D1**

#### Cabinet Loudspeaker with Volume Control

Cabinet loudspeaker 6 W with volume control, MDF enclosure with fine-woven cloth front, finished in white, with 3 keyholes for wall mounting.

Order number **LB1-UW06V-L1**

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