

LBD0606/10 6W Metal Ceiling Loudspeaker

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Invented for life



- Suitable for speech and music reproduction.
- Flush-mounting in ceiling cavity.
- Easy to install.
- Simple power setting.
- Unobtrusive in virtually all interiors.

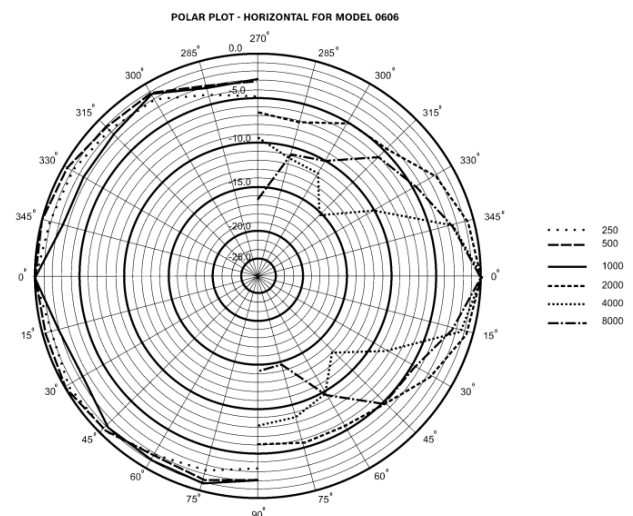
The LBD 0606/10 is a general purpose, 6 W, cost effective ceiling loudspeaker. The loudspeaker can be used for reproducing music as well as speech.

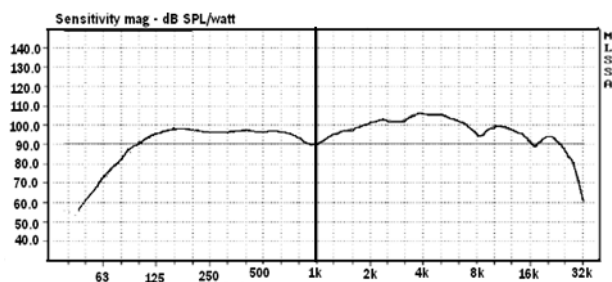
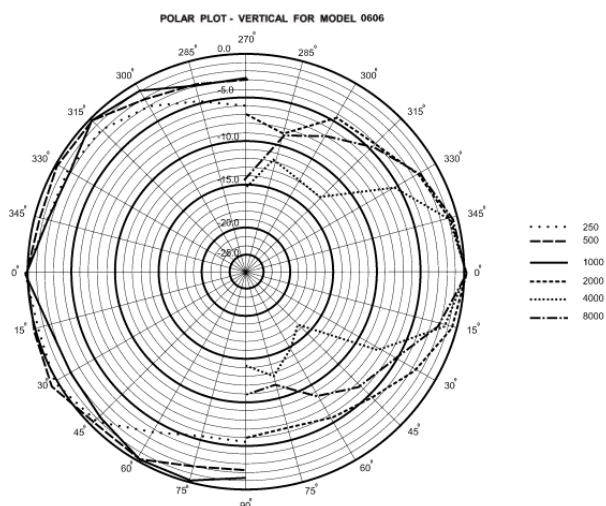
System overview

The speaker assembly consists of a single-piece, 6W dual cone loudspeaker and frame, with a 100 V, matching transformer mounted on the back. The wide frequency range means better speech and music reproduction.

Ceiling speakers are supplied with a 100 V matching transformer with taps on the primary winding for full-power, half-power, quarter-power and eighth-power radiation. The LBD0606/10 has integral spring clamps on the rear which can be used to easily fix the loudspeaker into the false ceiling.

A circular metal grille is an integrated part of the front. The appearance and neutral white color has been selected to be unobtrusive in virtually all interiors. The metal grille can be painted to any color to match the background.

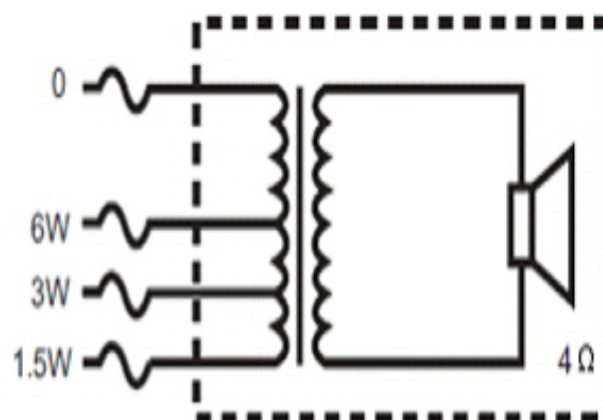




Acoustical performance Specified per Octave

	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
SPL1.1	97.2	96.4	90.8	100.6	105.4	94.2
SPL Max	105. 2	104. 4	98.8	108.6	113.4	102.2
Q Factor	4.0	5.6	2.2	4.6	19.0	10.7
Efficien cy (in %)	0.16	0.11	0.18	0.25	0.09	0.03
H. Angle	180	180	180	140	40	92
V. Angle	180	180	180	125	55	90

Circuit Diagram



Parts included

Quantity	Components
1	LBD0606/10 Ceiling Loudspeaker

Technical specifications

Electrical

Maximum Power	8W
Rated Power	6W
Sound Pressure level at 6 W / 1 W (1 KHz at 1m)	108.8 dB / 90.8 dB (SPL)
Effective frequency range (-10 dB)	150 Hz - 15 KHz
Opening Angle at 1 KHz / 4 KHz (-6 dB)	180° / 45°
Rated Voltage	70 V to 100 V
Rated impedance	1667 ohm

Mechanics

Diameter	210 mm
Maximum depth	70 mm
Weight	750 g

Environmental

Operating temperature	-25 °C to +55 °C
Storage temperature	-40 °C to +70 °C

Ordering information

LBD0606/10 6W Metal Ceiling Loudspeaker

Order number **LBD0606/10**

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