



LBD8353/10 Ceiling loudspeaker 6W, ABS with clamps



The LBD8353/10 is a general purpose speaker cost-effective 6 W ceiling loudspeaker, suitable for 100 V connection with power tapping of: 6, 3 and 1.5 Watt. It is a full range loudspeaker for speech and music reproduction in shops, department stores, schools, offices, sports halls, hotels and restaurants.

System overview

The LBD8353/10 has a single-piece, 6 W loudspeaker. A 100 V matching transformer is mounted behind the front panel assembly. The molded plastic front panel is mounted onto the loudspeaker's frame, and a dust cover protects the rear. The appearance and color are unobtrusive in any interior. The loudspeaker can be easily mounted into the ceiling using the lockable springs in-built into the loudspeaker.

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

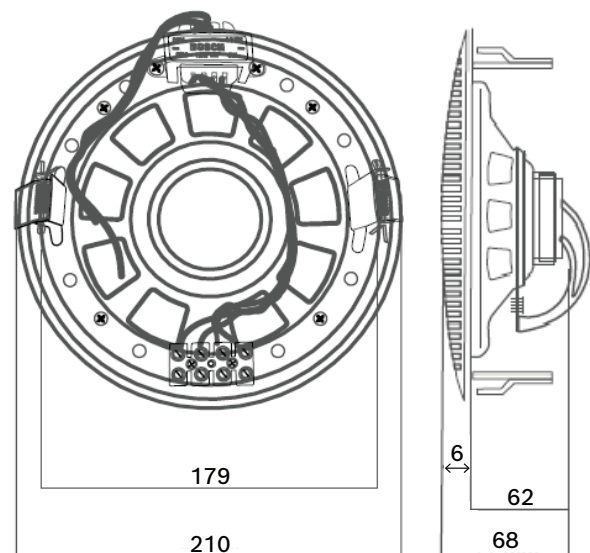


Fig. 1: Dimensions in mm

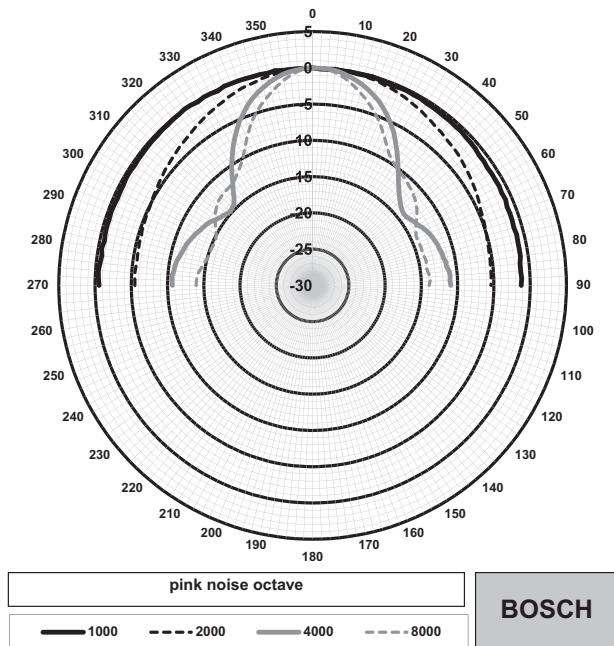


Fig. 2: Normalized polar plot

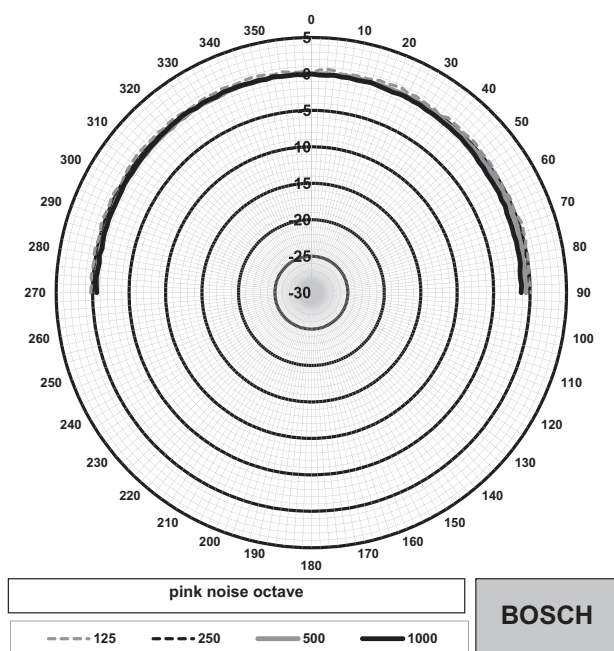


Fig. 3: Normalized polar plot

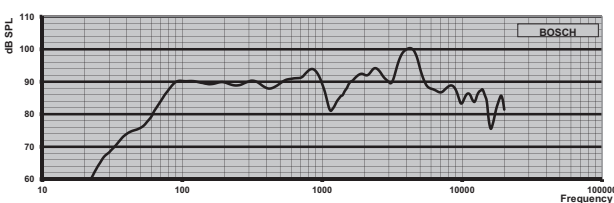


Fig. 4: Frequency diagram

Octave band sensitivity*

	Octave SPL 1W/1m	Total octave SPL 1W/1m	Total octave SPL Pmax/1m
125 Hz	90.1	-	-
250 Hz	89.3	-	-
500 Hz	89.9	-	-
1000 Hz	90.5	-	-
2000 Hz	91.7	-	-
4000 Hz	96.5	-	-
8000 Hz	87.0	-	-
A-weighted	-	89.8	96.9
Lin-weighted	-	90.3	97.4

(1/1)th octave band sensitivity

Octave band opening angles

	Horizontal	Vertical	
125 Hz	180	180	
250 Hz	180	180	
500 Hz	180	180	
1000 Hz	180	180	
2000 Hz	180	180	
4000 Hz	54	54	
8000 Hz	44	44	

Acoustical performance specified per octave.* (all measurements are done with a pink noise signal; the values are in dB SPL).

Parts included

Quantity	Component
1	LBD8353/10 Ceiling loudspeaker 6W, ABS with clamps

Technical specifications

Electrical

Rated power	6 W (6 W / 3 W / 1.5 W)
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Sound pressure level at 6 W / 1 W (1 KHz at 1 m)	98.1 dB / 90.5 dB (SPL)
Effective frequency range (-10 dB)	60 Hz - 20 KHz
Opening angle at 1 KHz / 4 KHz (-6 dB)	180° / 54°
Rated voltage	100 V
Rated impedance	1667 ohm

Mechanical

Diameter	210 mm
Cutout diameter	179 mm
Maximum depth	68 mm
Weight	700 g

Environmental

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

Ordering information

LBD8353/10 Ceiling loudspeaker 6W, ABS with clamps

Ceiling loudspeaker 6 W, ABS grille, two spring-loaded clamps for ceiling mounting

Order number **LBD8353/10 | F.01U.281.113**

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