

LBD8355/00 Sound projector 12W, bi-directional



- ▶ Suitable for speech and music reproduction
- ▶ Simple power setting
- ▶ Option of mounting on ceiling or wall
- ▶ Robust self-extinguishing ABS enclosure

The LBD8355/00 is a bi-directional sound projector for speech and music reproduction for indoor or outdoor applications such as shopping centers, factory grounds and sports fields.

System overview

Sound projectors are intended for applications where directing the sound beam is desirable. Similar in concept to a spotlight, a sound projector can be used to provide localized sound reproduction. Typical examples include restaurants, exhibitions, factory grounds and shopping centers. The enclosures are made from high-impact self-extinguishing ABS. The units will be supplied with the sufficient 1m of length two-core cable for ease of connection.

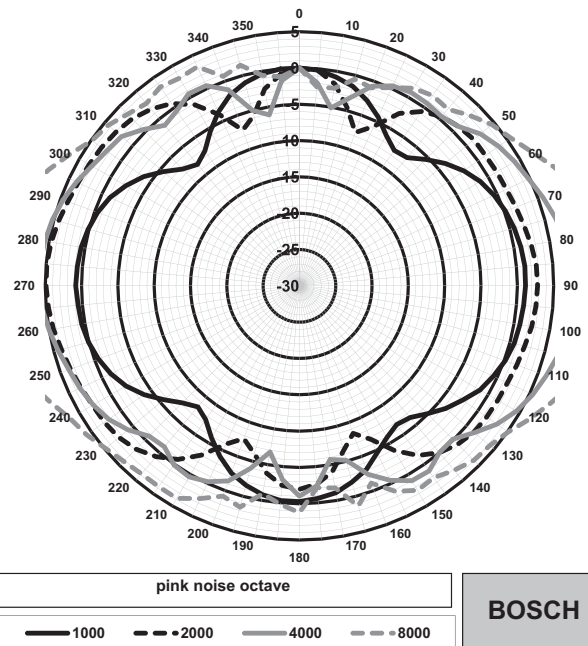


Fig. 1: Normalized polar plot

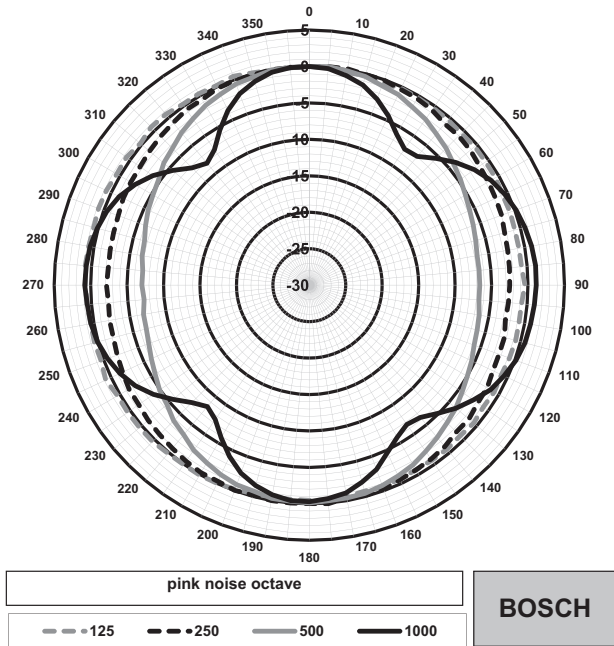


Fig. 2: Normalized polar plot

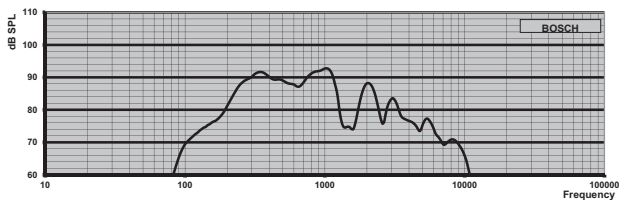


Fig. 3: Frequency diagram

Octave band sensitivity*

	Octave SPL 1W/1m	Total octave SPL 1W/1m	Total octave SPL Pmax/1m
125 Hz	72.8	-	-
250 Hz	85.8	-	-
500 Hz	82.8	-	-
1000 Hz	90.7	-	-
2000 Hz	87.9	-	-
4000 Hz	84.8	-	-
8000 Hz	84.3	-	-
A-weighted	-	84.4	91.6
Lin-weighted	-	84.7	91.9

(1/1)th octave band sensitivity

Octave band opening angles

	Horizontal	Vertical
125 Hz	360	360
250 Hz	360	360
500 Hz	2 x 69	2 x 69
1000 Hz	2 x 30	2 x 30
2000 Hz	2 x 17	2 x 17
4000 Hz	2 x 180	2 x 180
8000 Hz	2 x 180	2 x 180

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	LBD8355/00 Sound projector 12W, bi-directional

Technical specifications

Electrical

Rated power	12 W
Sound pressure level at 6 W / 1 W (1 KHz at 1 m)	98.1 dB / 89.1 dB (SPL)
Effective frequency range (-10 dB)	100 Hz - 8 KHz
Opening angle at 1 KHz / 4 KHz (-6 dB)	180° / 45°
Rated voltage	100 V
Rated impedance	1667 ohm

Mechanical

Dimensions (D x L)	210 mm x 68 mm
Weight	700 g

Environmental

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

LBD8355/00 Sound projector 12W, bi-directional

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Order number **LBD8355/00 | F.01U.281.115**

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