

LBD8354/10 Sound projector 6W



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

The LBD8354/10 is a sound projector for speech and background music reproduction in indoor applications such as shopping centers, railway stations, etc.

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. The LBD8354/00 is a 6W uni-directional sound projector.

The enclosure is made from lightweight ABS material. The unit will be supplied with the sufficient 1m of length two-core cable for ease of connection.

Installation/configuration notes

Installation is both quick and easy, as the unit has mounting holes on the mounting clamp attached to the product. There are 3 holes in the clamp which can be used for mounting the sound projector.

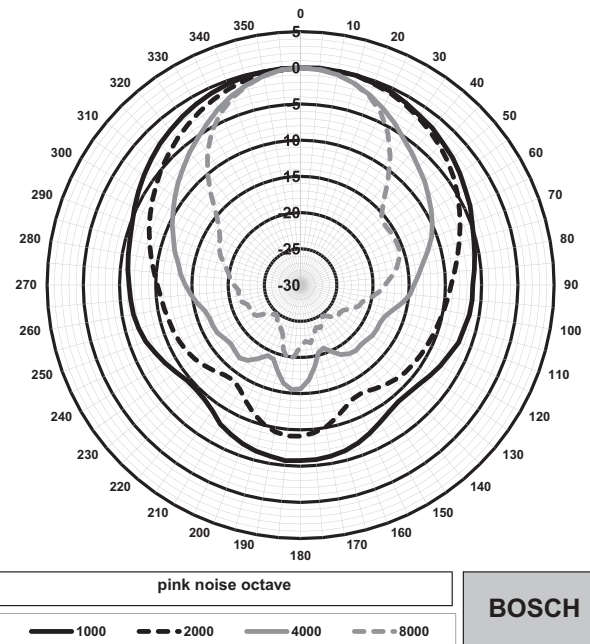


Fig. 1: Normalized polar plot

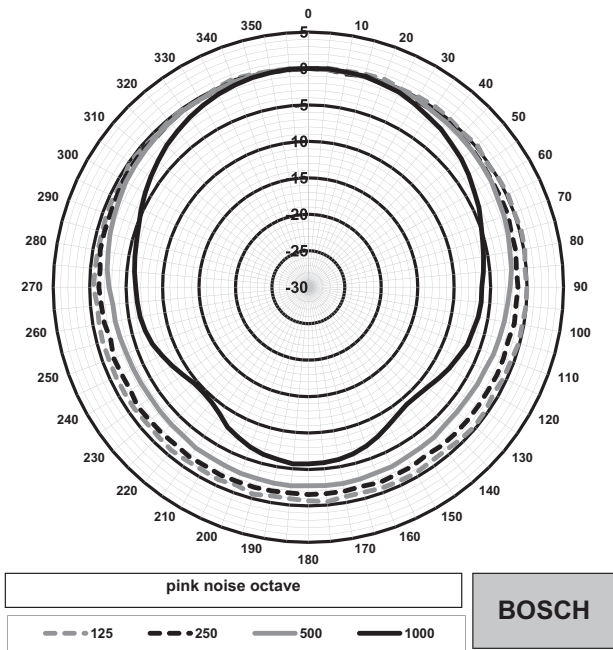


Fig. 2: Normalized polar plot

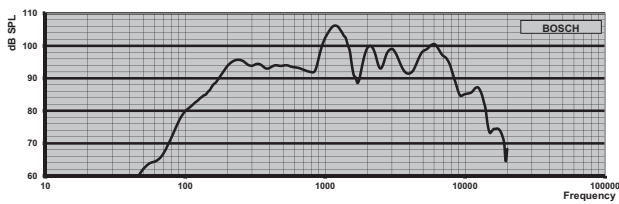


Fig. 3: Frequency diagram

	Octave SPL 1W/1m	Total octave SPL 1W/1m
125 Hz	85.7	-
250 Hz	95.6	-
500 Hz	93.8	-
1000 Hz	102.5	-
2000 Hz	97.1	-
4000 Hz	97.5	-
8000 Hz	96.8	-
A-weighted	-	95.9
Lin-weighted	-	96.0

(1/1)th octave band sensitivity

	Horizontal	Vertical

125 Hz	360	360
250 Hz	360	360
500 Hz	360	360
1000 Hz	170	170
2000 Hz	124	124
4000 Hz	79	79
8000 Hz	61	61

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

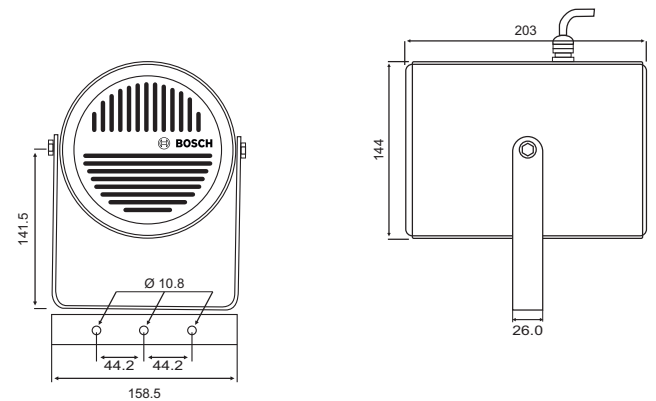


Fig. 4: All dimensions in mm

Parts included

Quantity	Component
1	LBD8354/10 Sound projector 6W

Technical specifications

Electrical

Rated power	6 W
Sound pressure level at 6 W / 1 W (KHz at 1 m)	103.1 dB / 95.9 dB (SPL)
Effective frequency range (-10 dB)	180 Hz - 8 KHz
Opening angle at 1 KHz / 4 KHz (-6 dB)	180° / 80°
Rated voltage	100 V
Rated impedance	1667 ohm

Mechanical

Dimensions (D x L)	144 mm x 203 mm
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Weight	1.35 kg
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Environmental

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

Ordering information

LBD8354/10 Sound projector 6W

Sound projector 6W

Order number **LBD8354/10 | F.01U.281.114**

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