

## LBD8351/10 Ceiling loudspeaker 4W, ABS with clamps



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

The LBD8351/10 is an economic flush-mounting ceiling loudspeaker for general purpose applications. 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 LBD8351/10 has a single-piece, 4 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 metal frame, and a dust cover protects the rear. The appearance and color are unobtrusive in any interior.

### Installation

Installation is both quick and easy, as the units have two built-in spring-loaded locking clamps that secure them into holes in the ceiling.

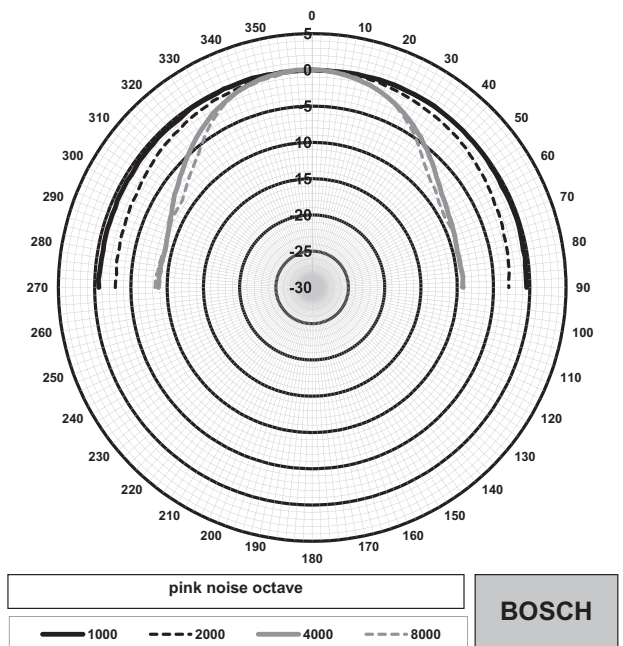


Fig. 1: Normalized polar plot

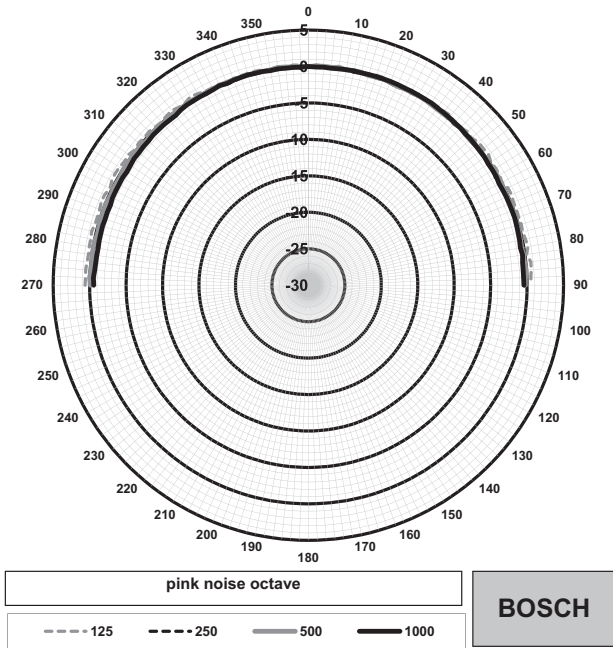


Fig. 2: Normalized polar plot

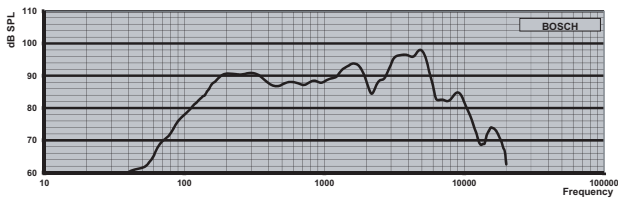


Fig. 3: Frequency diagram

Octave band sensitivity\*

	Octave SPL 1W/1m	Total octave SPL 1W/1m	Total octave SPL Pmax/1m
125 Hz	83.7	-	-
250 Hz	90.8	-	-
500 Hz	87.9	-	-
1000 Hz	89.6	-	-
2000 Hz	90.9	-	-
4000 Hz	91.6	-	-
8000 Hz	84.4	-	-
A-weighted	-	89.1	94.5
Lin-weighted	-	89.2	94.7

(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	92	92	
8000 Hz	80	80	

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	LBD8351/10 Ceiling loudspeaker 4W, ABS with clamps

Technical specifications

Electrical

Rated power	4 W (4 W / 2 W / 1 W)
Sound pressure level at 4 W / 1 W (1 KHz at 1 m)	95 dB / 89.6 dB (SPL)
Effective frequency range (-10 dB)	100 Hz - 12 kHz
Opening angle at 1 KHz / 4 KHz (-6 dB)	180° / 92°
Rated voltage	100 V
Rated impedance	2500 ohm

Mechanical

Diameter	165 mm
Cutout diameter	145 mm
Maximum depth	65 mm
Weight	500 g

## Environmental

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

## Ordering information

### **LBD8351/10 Ceiling loudspeaker 4W, ABS with clamps**

Ceiling loudspeaker 4 W, ABS grille, two spring-loaded clamps for ceiling mounting

Order number **LBD8351/10** | **F.01U.281.111**

#### Represented by:

**Europe, Middle East, Africa:**  
Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
[www.boschsecurity.com/xc/en/contact/](http://www.boschsecurity.com/xc/en/contact/)  
[www.boschsecurity.com](http://www.boschsecurity.com)

**Germany:**  
Bosch Sicherheitssysteme GmbH  
Robert-Bosch-Platz 1  
D-70839 Gerlingen  
[www.boschsecurity.com](http://www.boschsecurity.com)

**North America:**  
Bosch Security Systems, LLC  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
[www.boschsecurity.com](http://www.boschsecurity.com)

**Asia-Pacific:**  
Robert Bosch (SEA) Pte Ltd, Security Systems  
11 Bishan Street 21  
Singapore 573943  
[www.boschsecurity.com/xc/en/contact/](http://www.boschsecurity.com/xc/en/contact/)  
[www.boschsecurity.com](http://www.boschsecurity.com)