



BOSCH
Invented for life

LHM 0606/00 Ceiling Loudspeaker



- **Suitable for speech and music reproduction**
- **Flush-mounting in ceiling cavity**
- **Easy to install**
- **Simple power setting**
- **Optional fire dome mounting**
- **Unobtrusive in virtually all interiors**
- **Complies with international installation and safety regulations**

Bosch range of loudspeaker offers a selection of units to meet most public address system requirements. And as a result of long and wide-ranging experience in all aspects of sound reinforcement, the unrivalled quality of these products can be guaranteed.

Functions

An economic flushing-mounting ceiling loudspeaker is available for general purpose applications. This full range loudspeaker is suitable for both speech and music reproduction in shops, department stores, schools, offices, sports halls, hotels and restaurants.

The speaker assembly consists of a single piece, 6W dual cone loudspeaker and frame, with a 100 V, matching transformer mounted on the back. 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.

Certifications and Approvals

All Bosch loudspeakers are designed to withstand operating at their rated power for 100 hours in accordance with IEC 268-5 Power Handling Capacity (PHC) standards. Bosch has also developed the Simulated Acoustical Feedback Exposure (SAFE) test to demonstrate that they can withstand two times their rated power for short durations.

This ensures extra reliability under extreme conditions, leading to higher customer satisfaction, longer operating life, and much less chance of failure or performance deterioration.

Safety acc. to UL standard

Installation/Configuration Notes

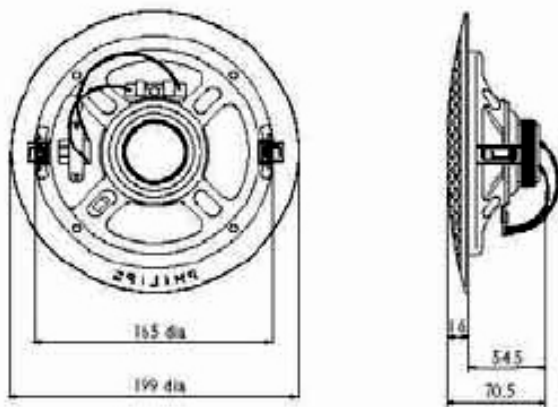
Mounting

The assembly can be simply and quickly installed into 3 hole in the ceiling cavity and secured by two integral spring-loaded ceiling locking clamps. A circular template for marking a 165 mm diameter hole is included with the loudspeaker

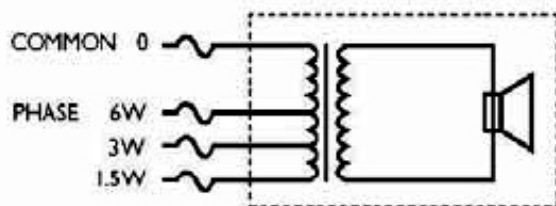
Fire Dome

During a fire, the ceiling cavity in which loudspeakers are installed can allow flames to spread throughout a building. To prevent fire entering the cavity via the loudspeaker, the ceiling loudspeaker can be fitted with a protective steel fire dome (LBC 3080/01).

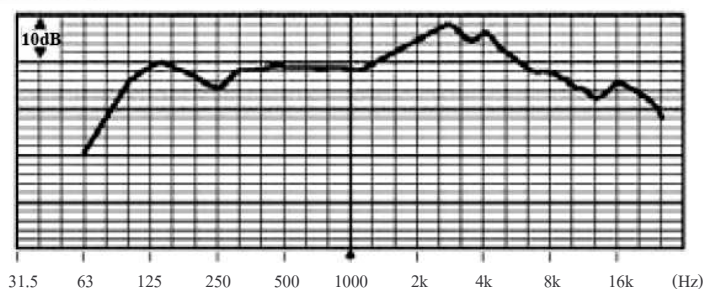
This optional fire dome is mounted on the loudspeaker assembly using four self tapping screws, supplied as standard. There are four knock-out holes; two (2) for rubber grommets (supplied) and two (2) for cable glands.



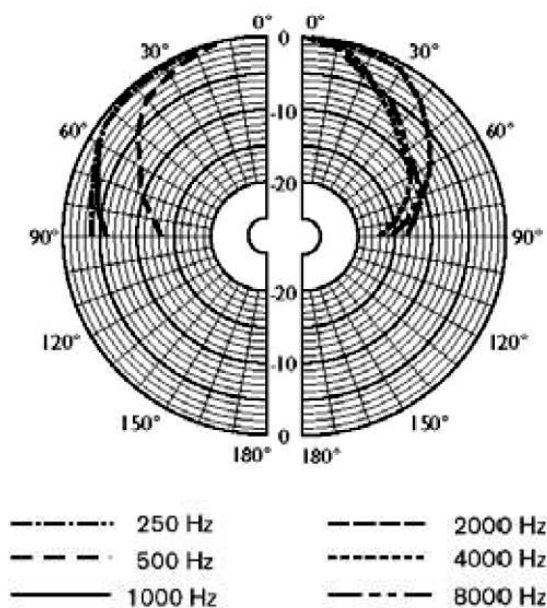
Dimensions (in mm)



Circuit diagram



Frequency response



Polar diagram (measured with pink noise)

Technical Specifications

LHM0606/00

Electrical

Maximum power	9 W
Rated power (PHC)	6 W (6 / 3 / 1.5 W)
Sound pressure level	94 dB/ 88 dB (SPL)
at 6 W / 1 W (1 kHz, 1 m)	
Effective frequency range (-10dB)	80 Hz to 18 kHz
Opening angle	150°
at 1 kHz/4 kHz (-6 dB)	
Rated voltage	100 V
Rated impedance	1667 ohm
Safety	acc. to UL standard

Mechanical

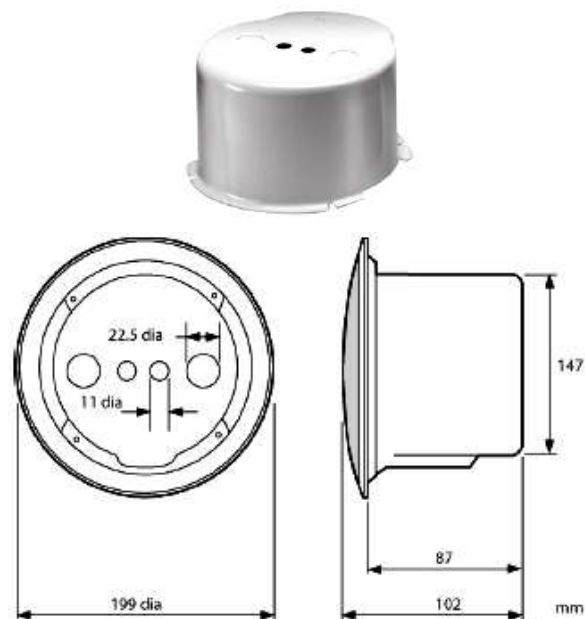
Diameter	199 mm (7.8 inch)
Maximum depth	70.5 mm (2.8 inch)
Mounting cut-out dia.	165 mm
Speaker diameter	152.4 mm (6 inch)
Weight	620 g
Color	White (RAL 9010)

LBC3080/01

Mechanical

Diameter	147 mm (5.8 inch)
Maximum depth	87 mm (3.4 inch)
Weight	360 g

LBC 3080/01 Fire Dome (optional)



LHM 0606/00 + LBC 3080/01 Fire dome assembly dimensions in mm

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