


**BOSCH**

Invented for life

# LBC 3432/01 Unidirectional Sound Projector



- ▶ **Excellent speech and music reproduction**
- ▶ **Simple power setting**
- ▶ **Provision for supervision board mounting**
- ▶ **Suitable for loop-through cabling**
- ▶ **(Suspended) ceiling and/or wall mounting**
- ▶ **Robust aluminum extrusion enclosure**
- ▶ **Water and dust protected to IP 66**
- ▶ **BS 5839-8 compliant**

The LBC 3432/01 is a powerful 20 W sound projector intended for speech and music reproduction in indoor and outdoor applications. The sturdy, aluminum enclosure is finished in the color off-white. It has provisions for cable loop through connection and mounting of a line or loudspeaker supervision board. The sound projector is suitable for use in voice alarm systems.

The sound projector is constructed from extruded aluminum and finished in off-white. The front-grill and bracket are made from aluminum to increase corrosion resistance.

## Functions

Voice alarm loudspeakers are specifically designed for use in buildings where performance of systems for verbal communication announcements is governed by regulations. The LBC 3432/01 is designed for use in voice alarm systems and is compliant with British Standard BS 5839-8.

The sound projector has provision inside for mounting an optional line/loudspeaker supervision board.

The loudspeaker has built-in protection to secure that, in the event of a fire, damage to the loudspeaker does not result in failure of the circuit to which it is connected. In this way, system integrity is maintained, ensuring loudspeakers in other areas can still be used to inform people of the situation. The loudspeaker has a ceramic terminal block, thermal fuse and heat resistant, high-temperature wiring.

## Certifications and Approvals

### Quality assurance

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 EN 60065
EVAC	acc. to BS 5839-8
Water and dust protected	acc. to IEC 60529, IP 66

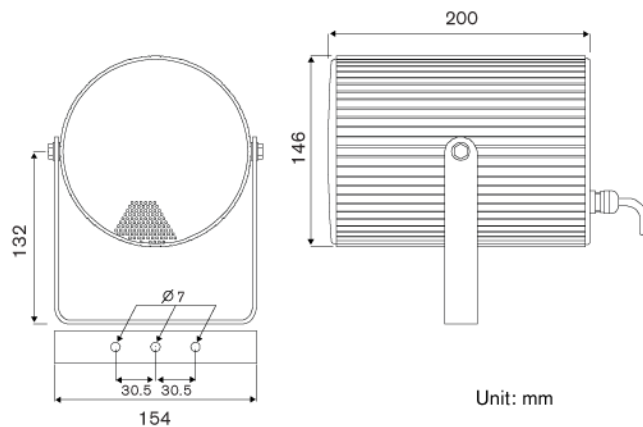
## Installation/Configuration Notes

### Mounting

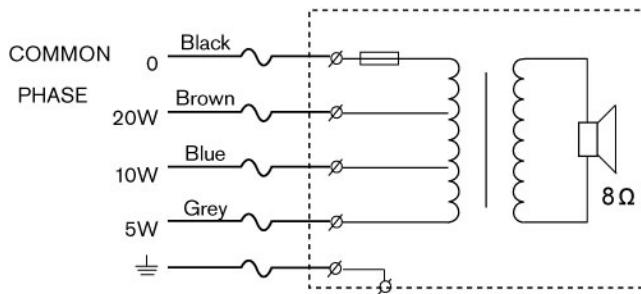
A sturdy aluminum mounting bracket is supplied to allow easy mounting and directing in virtually any position. The sound projector may also be suspended using the bracket.

### Power Setting

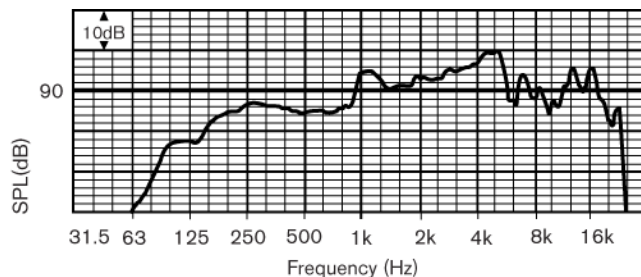
A one meter long fire-resistant five-core cable is standard fitted to the loudspeaker. Each core is a different color, and is connected to one of the primary taps on the transformer. For loop-through connection, the rear cover is fitted with a second entry hole. (covered as standard supplied)



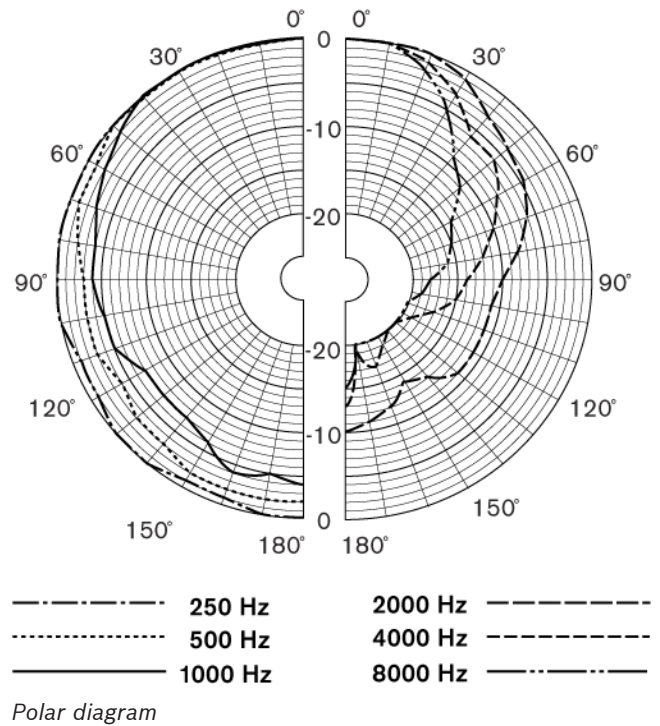
Dimensions



Circuit diagram



Frequency response



## Technical Specifications

### Electrical\*

Maximum power	30 W
Rated power	20 W (20-10-5 W)
Sound pressure level at 20 W / 1 W (1kHz, 1 m)	105 / 92 dB (SPL)
Opening angle at 1 kHz / 4 kHz (-6 dB)	180° / 70°
Effective frequency range (-10 dB)	150 Hz to 20 kHz
Rated voltage	100 V
Rated impedance	500 ohm
Connector	1 m fire-resistant cable

\* Technical performance data acc. to IEC 60268-5

### Mechanical

Dimensions (D x L)	146 x 200 mm (5.7 x 7.9 in)
Weight	2.6 kg (5.7 lb)
Color	White (RAL 9010)
Material	Aluminum

### Environmental

Operating temperature	-25 °C to +55 °C (-13 °F to +131 °F)
Storage temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	<95%

**Ordering Information**

**LBC 3432/01 Unidirectional Sound Projector**  
20 W, white (RAL 9010)

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