

# Installation

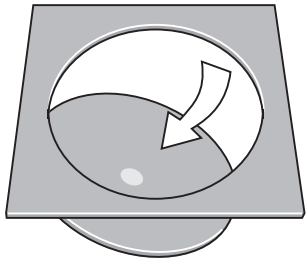


Fig. 1:

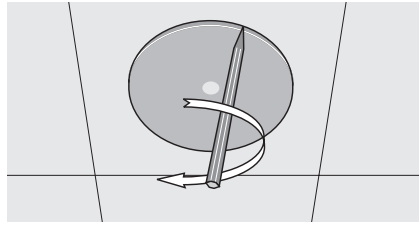


Fig. 2:

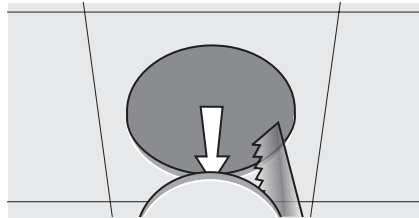


Fig. 3:

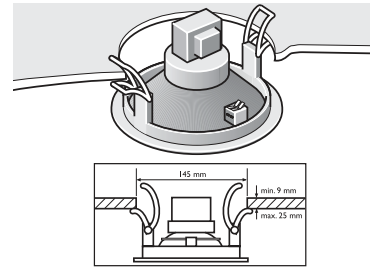


Fig. 4:

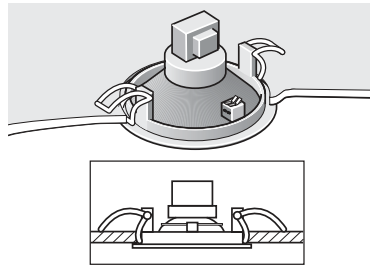


Fig. 5:

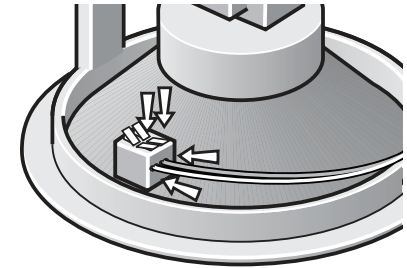


Fig. 6:

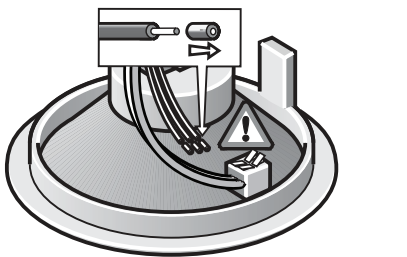


Fig. 7:

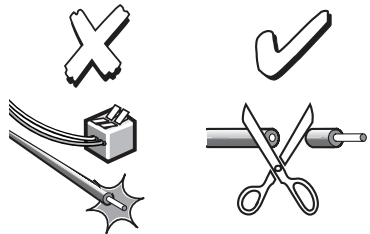


Fig. 8:

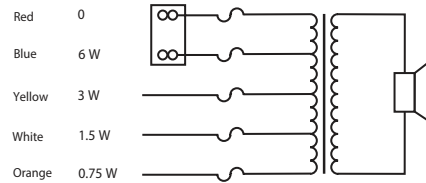


Fig. 10: Circuit diagram

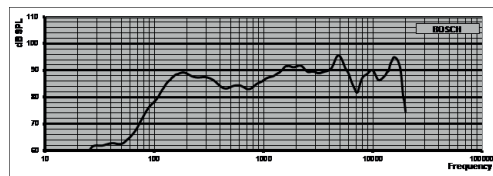


Fig. 11: Frequency response

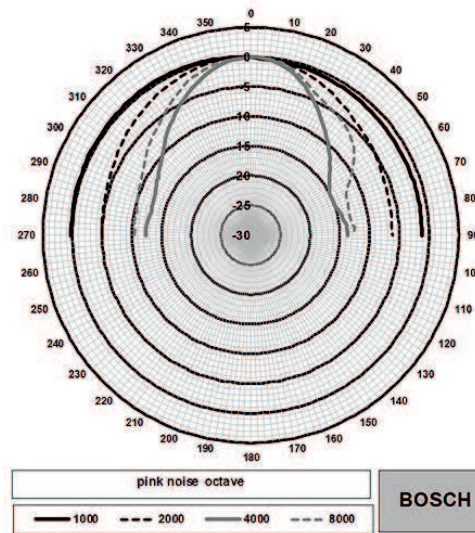


Fig. 12: Polar diagram (high frequency part)

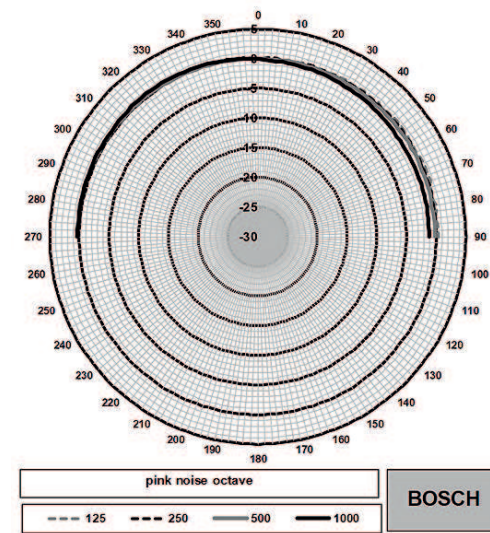
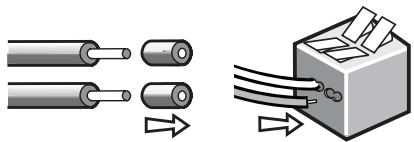


Fig. 13: Polar diagram (low frequency part)



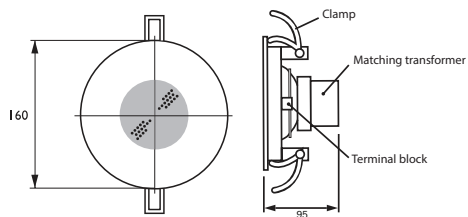


Fig. 14: Dimensions (in mm)

## Technical data

### Electrical\*

Rated power	6 / 3 / 1.5 / 0.75 W
Sound pressure level at 6 W / 1 W (1 kHz, 1 m)	95 dB / 87 dB (SPL)

Sound pressure level at 6 W / 1 W (4 kHz, 1 m)	98 dB / 90 dB (SPL)
Effective frequency range (-10 dB)	90 Hz to 18 kHz
Opening angle at 1 kHz/4 kHz (-6 dB)	180° / 65°
Rated voltage	100 V
Rated impedance	1667 ohm
Connector	2-pole push-in terminal block

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

### Mechanical

Diameter	160 mm (6.30 inch)
Maximum depth	95 mm (3.74 inch)

Ceiling thickness	9 to 25 mm (0.35 to 0.98 inch)
Mounting cut-out	145 mm (5.71 inch)
Speaker diameter	101.6 mm (4 in)
Weight	640 g (1.41 lb)
Color	White (RAL 9010)
Magnet weight	101 g (3.57 oz)

### Environmental

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



LBC3951/12 Ceiling loudspeaker, 6 W, 4"



en Installation note