

**Installation**

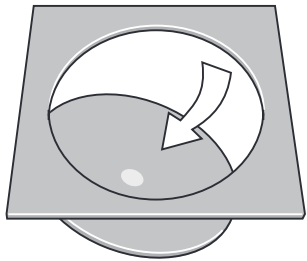


Fig. 1:

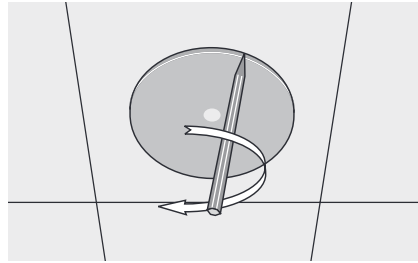


Fig. 2:

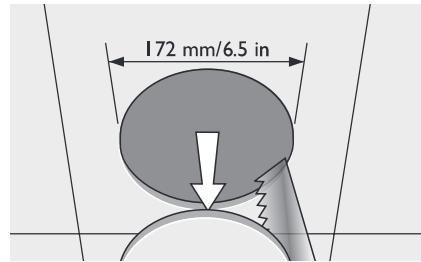


Fig. 3:

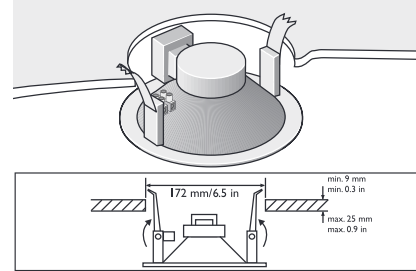


Fig. 4:

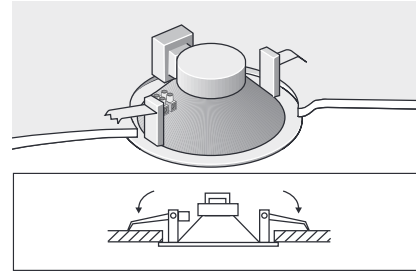


Fig. 5:

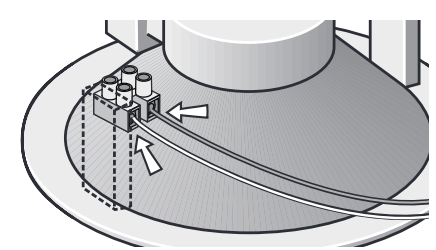


Fig. 6:

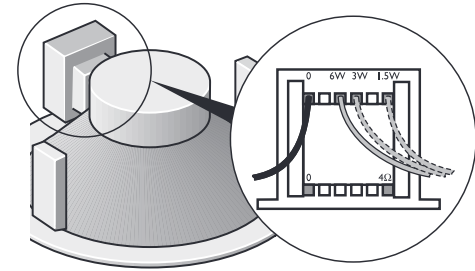


Fig. 7:

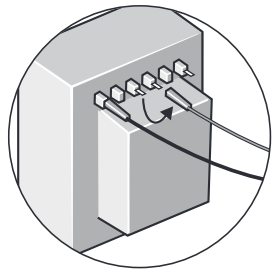


Fig. 8:

**Circuit diagrams**

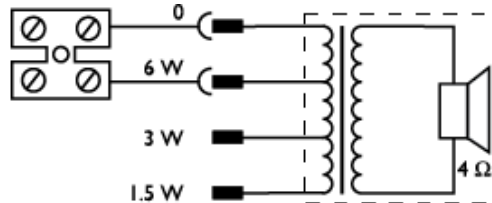


Fig. 9: Circuit diagram

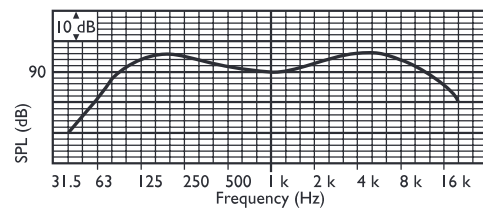


Fig. 10: Frequency response

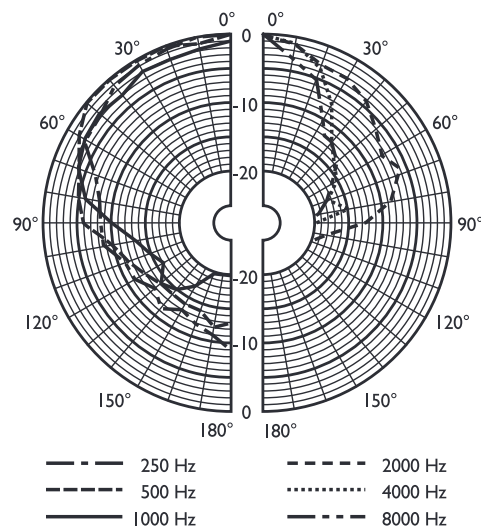
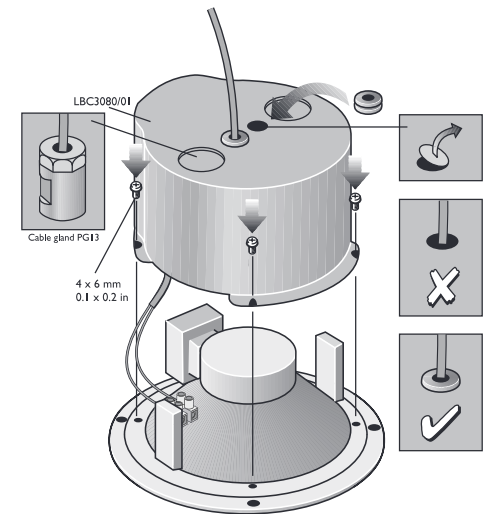


Fig. 11: Polar diagram



## Technical data

### Electrical\*

Maximum power	9 W
Rated power	6 / 3 / 1.5 W
Sound pressure level at 6 W / 1 W (1 kHz, 1 m)	99 dB / 91 dB (SPL)
Sound pressure level at 6 W / 1 W (4 kHz, 1 m)	104 dB / 96 dB (SPL)
Effective frequency range (-10 dB)	70 Hz to 18 kHz
Opening angle at 1 kHz/4 kHz (-6 dB)	160° / 55°
Rated voltage	100 V

Rated impedance	1667 ohm
Connector	2-pole screw terminal block

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

### Mechanical

Diameter	199 mm (7.8 in)
Maximum depth	89 mm (3.5 in)
Mounting cut-out	172 mm (6.5 in)
Speaker diameter	152.4 mm (6 in)
Weight	990 g (2.2 lb)
Color	White (RAL 9010)
Magnet weight	150 g (5.3 oz)

### Environmental

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

### LBC3080/01

Diameter	147 mm (5.8 in)
Maximum depth	87 mm (3.4 in)
Weight	360 g (0.8 lb)
Color	Flame red (RAL 3000)
Certified B15	acc. to DIN 4102



LBC3090/31 Ceiling loudspeaker 6W metal  
with clamps



en Installation note