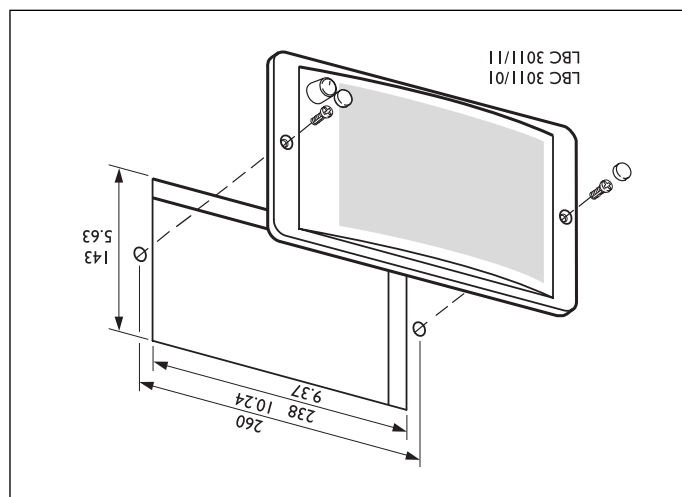
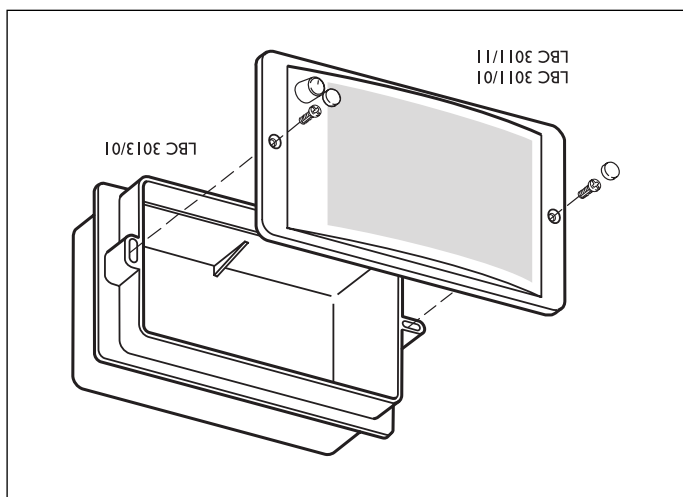
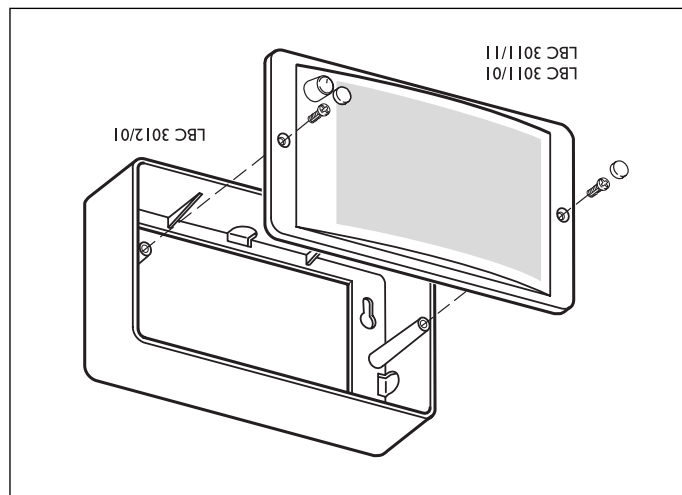
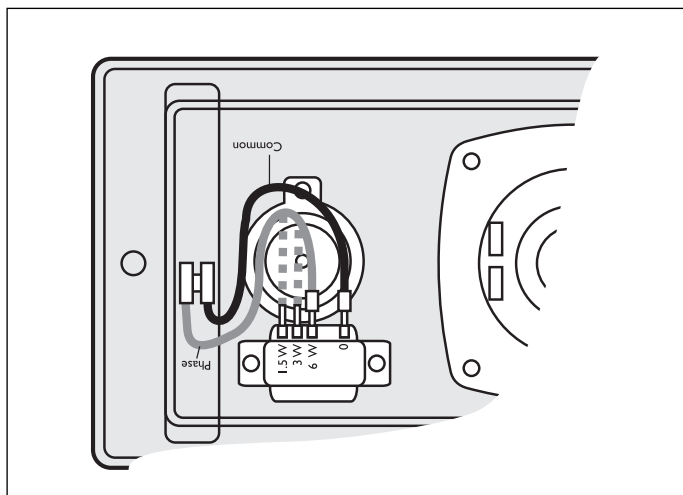
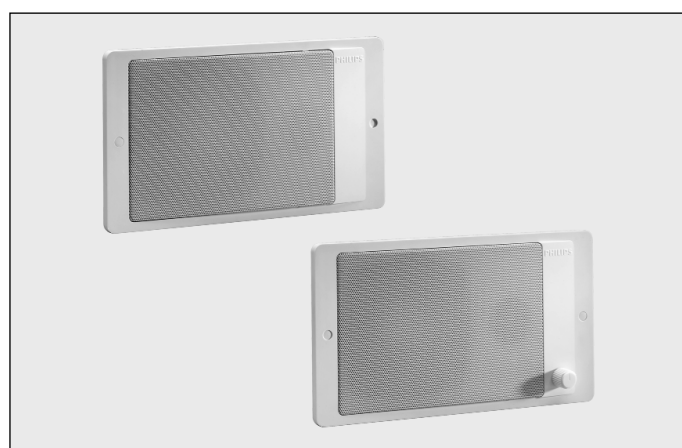




Instructions for use

Loudspeakers



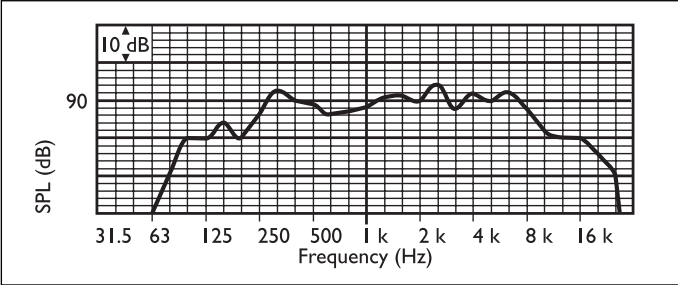
LBC 3011/x1
LBC 3012/01
LBC 3013/01

TECHNICAL PERFORMANCE DATA ACC. TO IEC 268-5

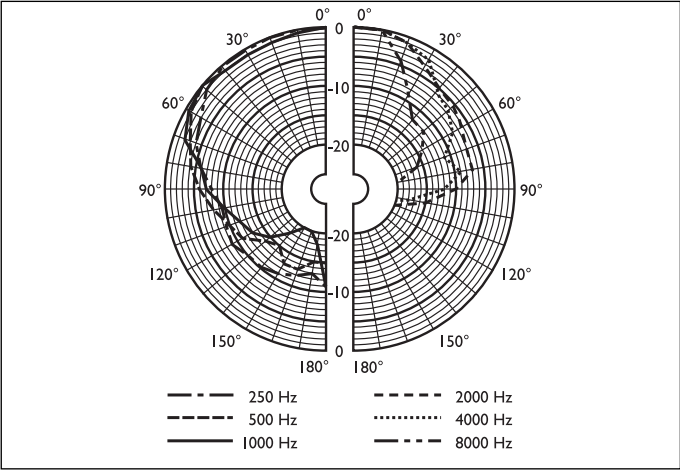
	LBC 3011/01 and 11
Max. power	9 W
Rated power (PHC)	6 W (6 - 3 - 1.5 W)
Sound pressure level at 6 W/1 W	
(at 1 kHz, 1 m)	98 dB/90 dB (SPL)
Effective frequency range (-10 dB)	75 Hz to 18 kHz
Opening angle (at 1 kHz/4 kHz, -6 dB)	
horizontal	160°/85°
vertical	180°/105°
Rated voltage	100 V
Rated impedance	1667 Ω
Speaker size	2"/4"
Magnet weight	48 g/150 g (1.7 oz/ 5.3 oz)
Ambient temperature range	-15 to +50 °C
Safety	acc. to EN 60065
Connection	2-pole push connector
Dimensions (H x W x D)	165 x 284 x 59.5 mm (6.49 x 11.18 x 2.34 in)
Mounting cut-out (H x W)	143 x 238 mm (5.63 x 9.37 in)
Colour	white (RAL 9010)
Weight	1.2 g (2.64 lb)

	LBC 3012/01
Dimensions (H x W x D)	165 x 284 x 64 mm (6.49 x 11.18 x 2.52 in)
Colour	white (RAL 9010)
Weight	238 g (8.40 oz)

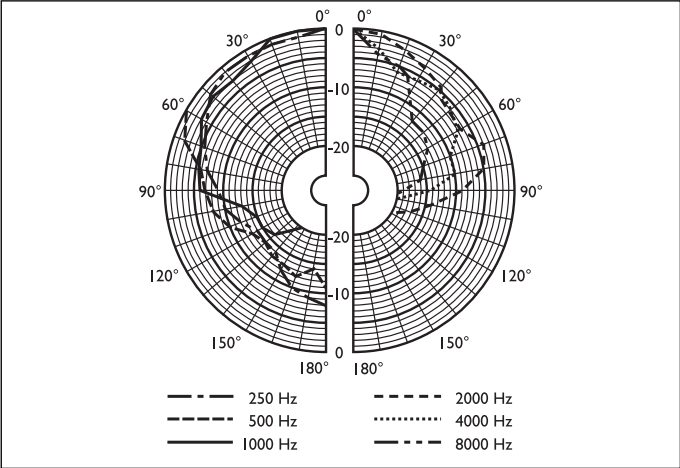
	LBC 3013/01
Dimensions (H x W x D)	176 x 280 x 64 mm (6.49 x 11.18 x 2.52 in)
Colour	white (RAL 9010)
Weight	307 g (10.83 oz)



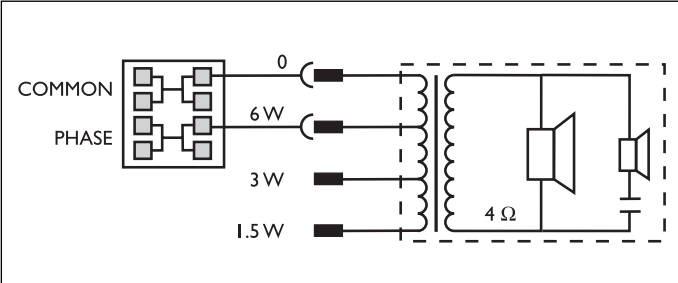
Frequency response



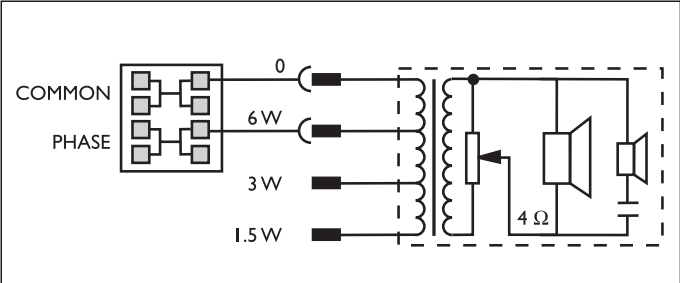
Polar diagram horizontal (measured with pink noise)



Polar diagram vertical (measured with pink noise)



Circuit diagram LBC 3011/01



Circuit diagram LBC 3011/11