

ABS Cabinet Loudspeakers



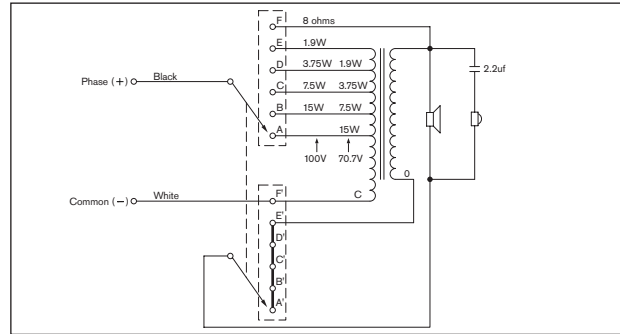
en | Instructions for Use
LB2-UC15-x
LB2-UC30-x



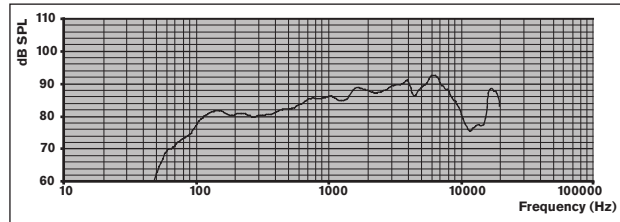
BOSCH

Technical performance acc. to IEC 60268-5 - LB2-UC15-x

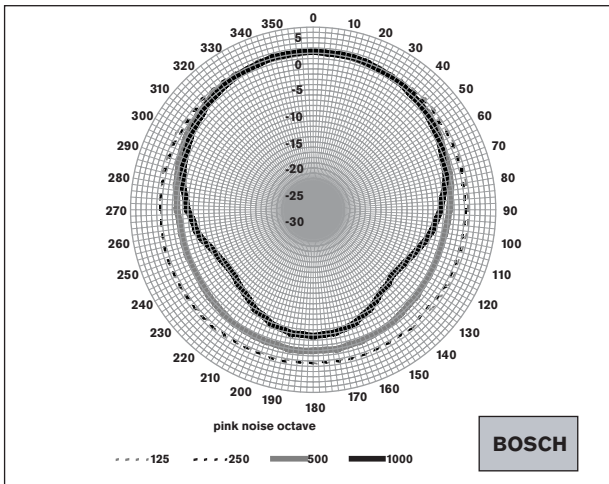
Electrical	
Maximum power	22.5 W
Rated power	15 W (15 - 7.5 - 3.75 - 1.9 W)
Sound pressure level	
at rated power / 1W (1 kHz, 1 m)	98 dB / 86 dB
Opening angle at 1 kHz/4 kHz (-6 dB)	
horizontal	180 / 100 degrees
vertical	168 / 35 degrees
Effective freq. range (-10 dB)	95 Hz to 19,5 Hz
Rated voltage	11 / 70 / 100 V
Rated impedance	8 / 333 / 667 Ohm
Connection	2 m (78.8 in), 2-wire cable
Mechanical	
Dimensions (H x W x D)	205 x 136 x 117 mm (8.07 x 5.35 x 4.60 in)
Speaker diameters	101.6 mm (4") woofer 13 mm (0.51") dome tweeter
Color	Charcoal (RAL 7021) (D) White (RAL 9010) (L)
Material	ABS (cabinet) / Aluminum (front grille)
Weight	1.9 kg (4.18 lb)
Environmental	
Operation 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%
Certification and Approvals	
Safety	acc. to EN 60065
Water protection	acc. to EN 60529, IPx4
Self-extinguishing ABS	acc. to UL 94 V 0



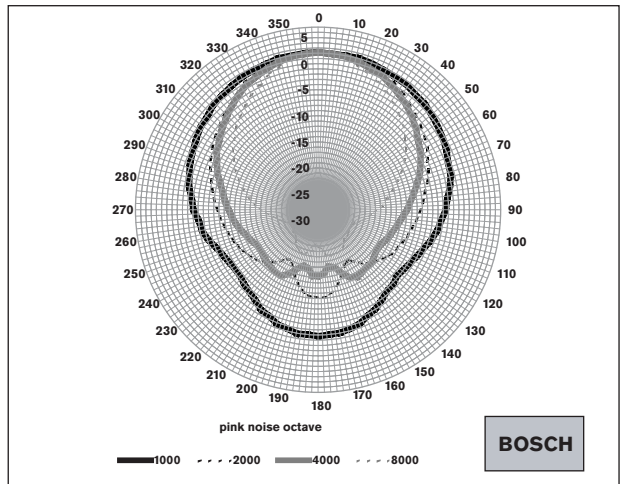
Circuit diagram



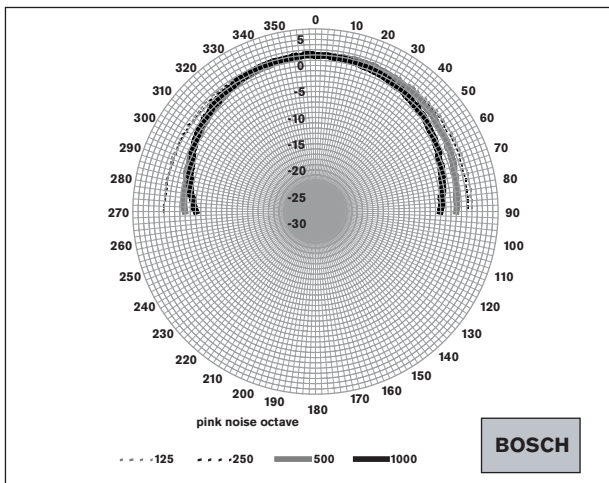
Frequency response



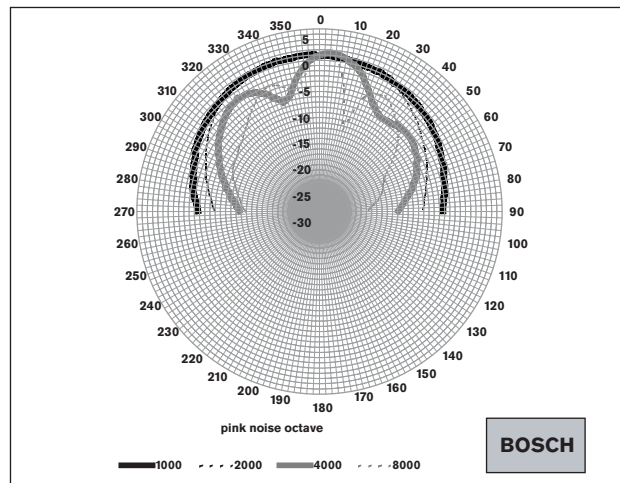
Polar diagram horizontal
(measured with pink noise)



Polar diagram horizontal
(measured with pink noise)



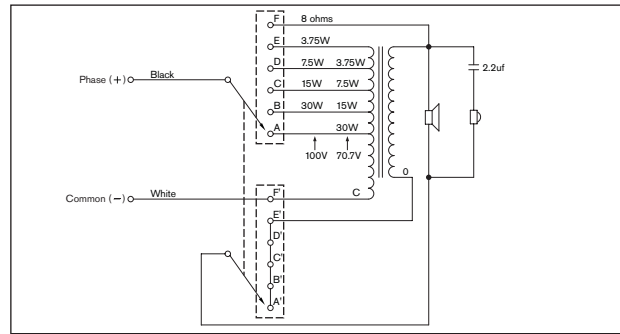
Polar diagram vertical
(measured with pink noise)



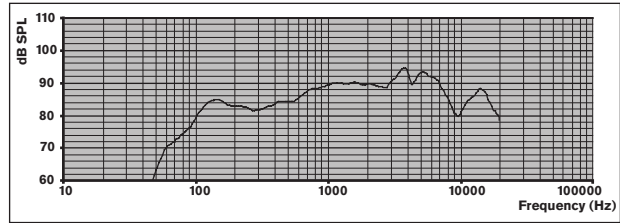
Polar diagram vertical
(measured with pink noise)

Technical performance acc. to IEC 60268-5 - LB2-UC30-x

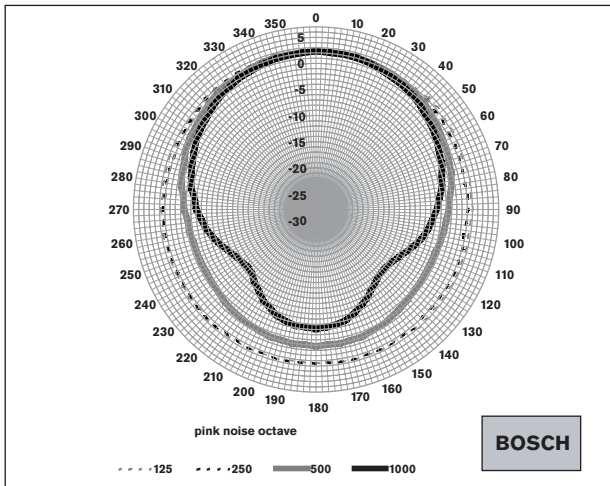
Electrical	
Maximum power	45 W
Rated power	30 W (30 - 15 - 7.5 - 3.75 W)
Sound pressure level	
at rated power / 1W (1 kHz, 1 m)	105 dB / 90 dB
Opening angle at 1 kHz/4 kHz (-6dB)	
horizontal	160 / 80 degrees
vertical	150 / 90 degrees
Effective freq. range (-10 dB)	100 Hz to 18.5 kHz
Rated voltage	15.5 / 70 / 100 V
Rated impedance	8 / 167 / 333 Ohm
Connection	2 m (78.8 in), 2-wire cable
Mechanical	
Dimensions (H x W x D)	250 x 160 x 140 mm (9.84 x 6.30 x 5.51 in)
Speaker diameters	127 mm (5") woofer 13 mm (0.51") dome tweeter
Color	Charcoal (RAL 7021) (D) White (RAL 9010) (L)
Material	ABS (cabinet) / Aluminum (front grille)
Weight	2.4 kg (5.29 lb)
Environmental	
Operation 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%
Certification and Approvals	
Safety	acc. to EN 60065
Water protection	acc. to EN 60529, IPx4
Self-extinguishing ABS	acc. to UL 94 V 0



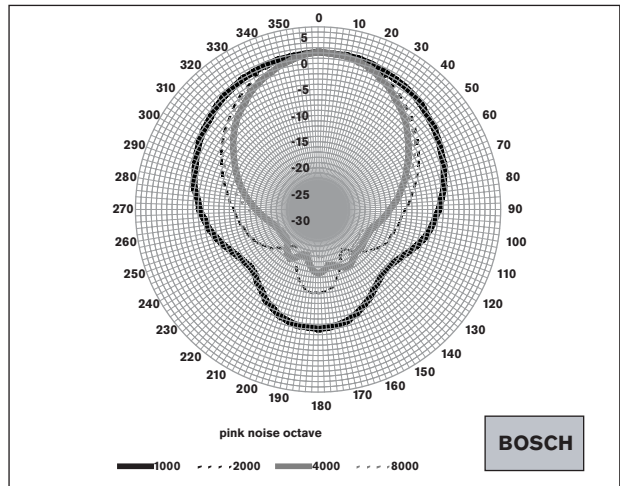
Circuit diagram



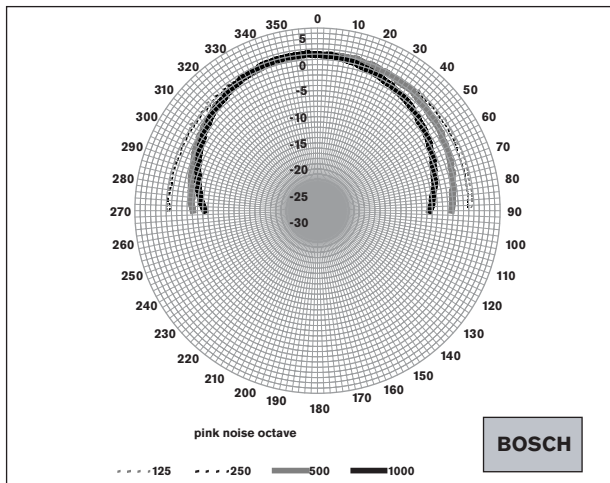
Frequency response



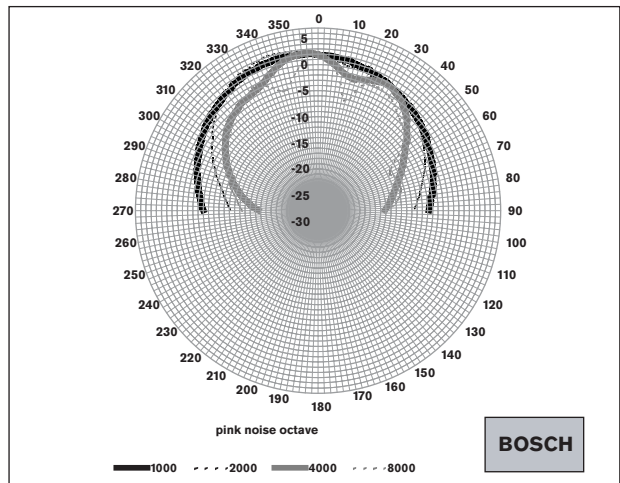
Polar diagram horizontal
(measured with pink noise)



Polar diagram horizontal
(measured with pink noise)



Polar diagram vertical
(measured with pink noise)



Polar diagram vertical
(measured with pink noise)

