



# Premium Cabinet Loudspeakers

LB3-PC250 and LB3-PC350



**BOSCH**

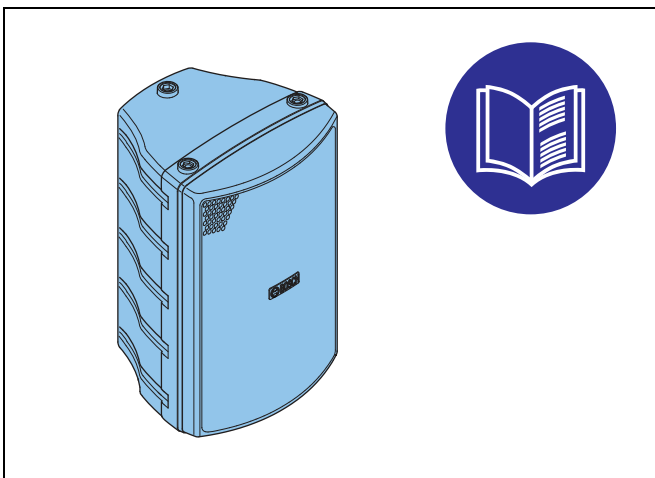
en Installation Note

### Important safeguards

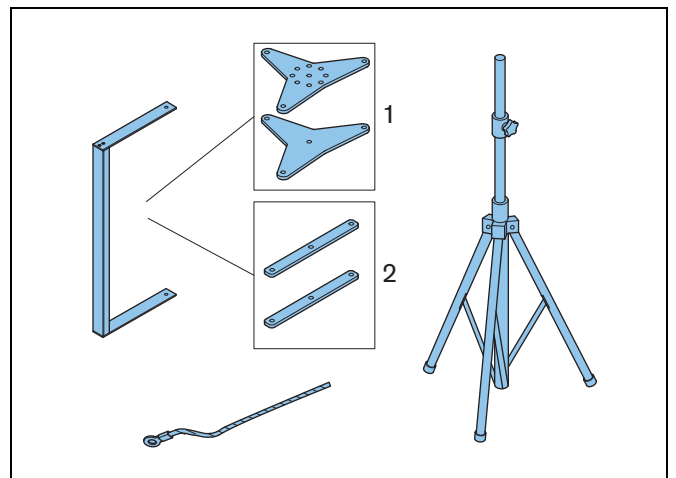
Always mount the loudspeakers securely with the recommended bracket(s).  
 If a generic bracket is used, use the inserts with the load distributed in the same way as with the recommended bracket.

Only use the pole mount vertically with a maximum deflection of the vertical of 20 degrees.  
 Do not place a heat source or an open flame on or near the loudspeaker.

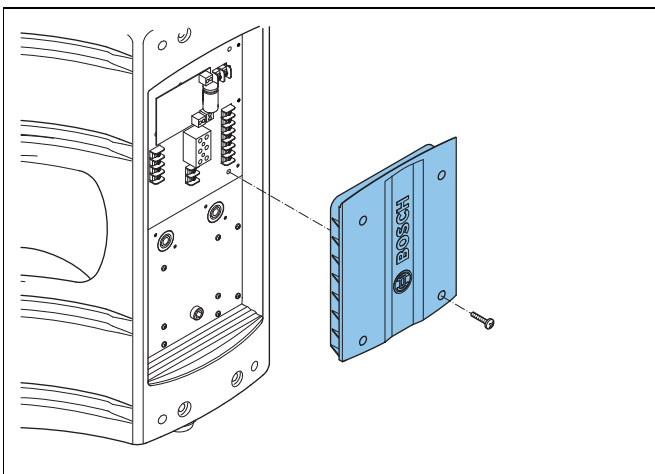
The mounting materials marked with an asterisk (\*) in the drawings are not supplied, but are generally available in your local hardware store. Make sure that the minimum tensile strength of these mounting materials (e.g. suspension chain, suspension cable, safety cord and shackle[s]) is 1,500 N/mm<sup>2</sup>. Always use a safety tether/ safety cord.



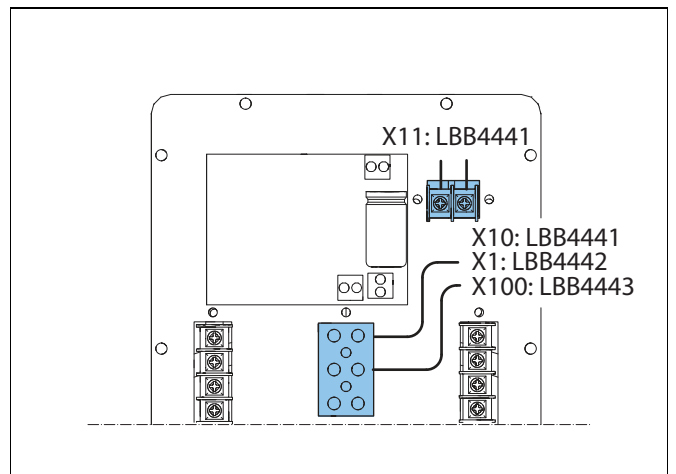
Box contents



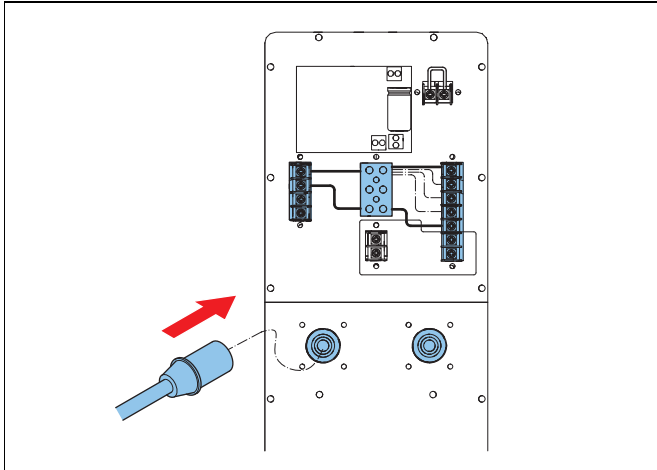
Mounting options 1 and 2 (mounting material is NOT included)



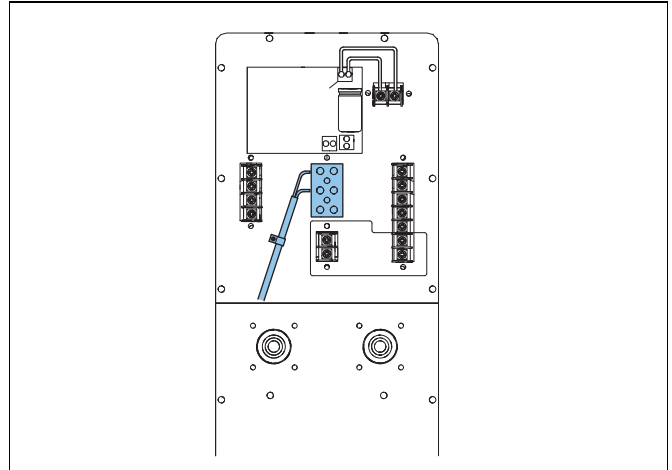
Removing the splash proof cover



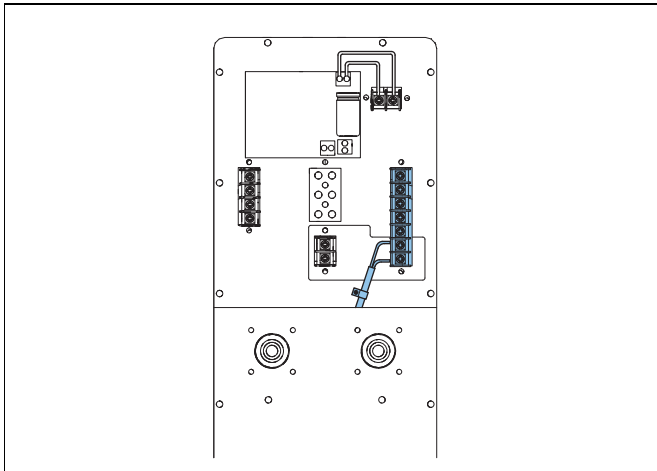
WXL I and WXL II connection



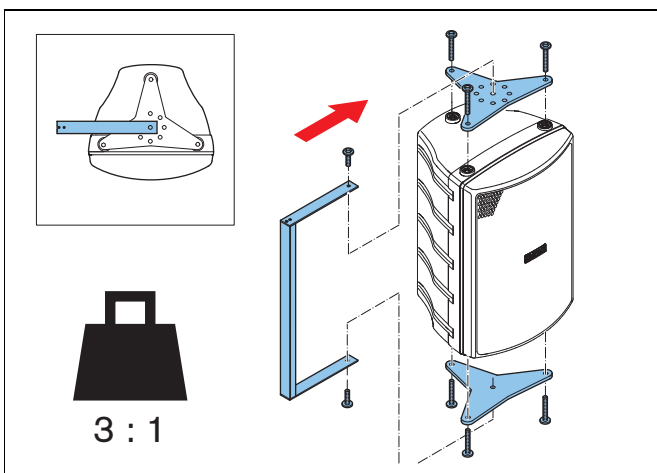
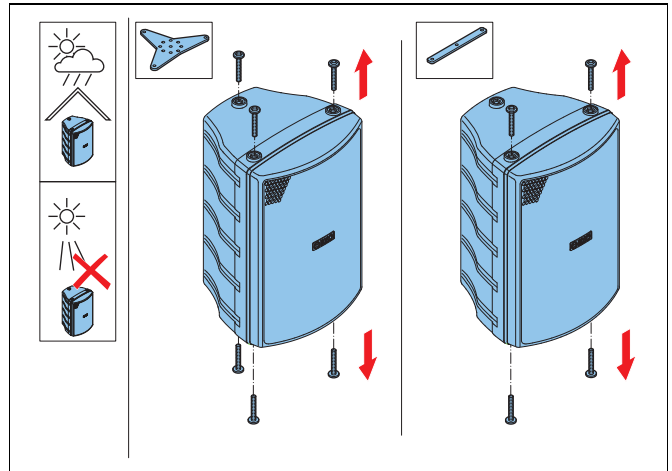
SPEAKON connection



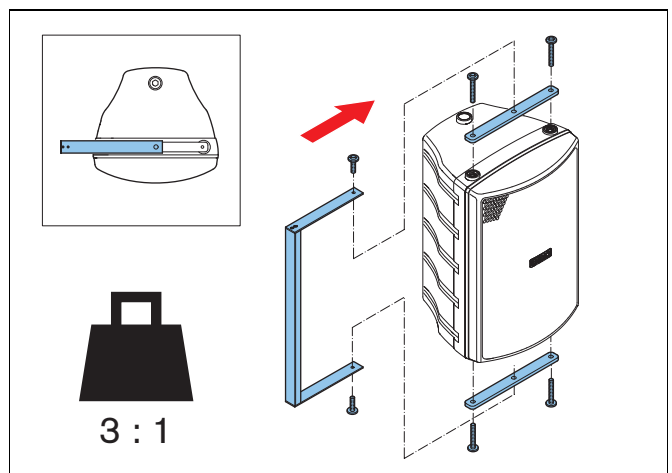
Direct connection EN 54-24



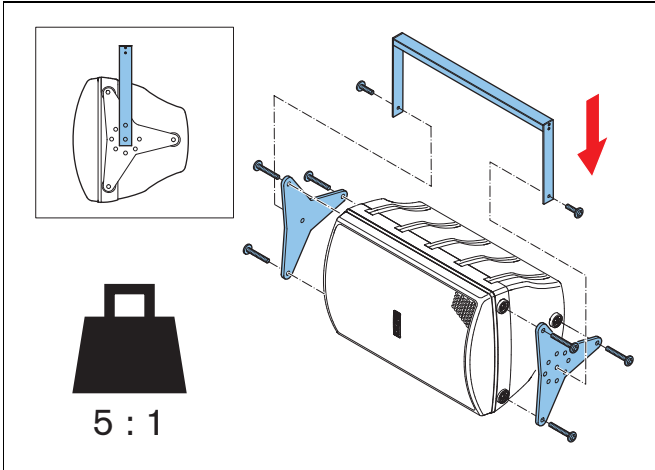
LOW Z connection



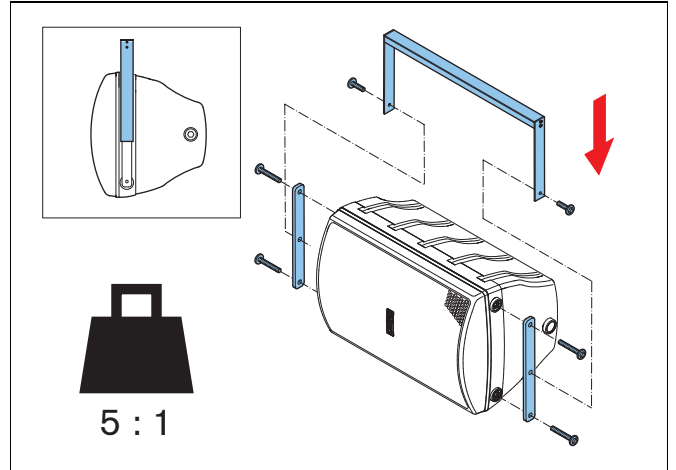
Wall mounting (option 1)



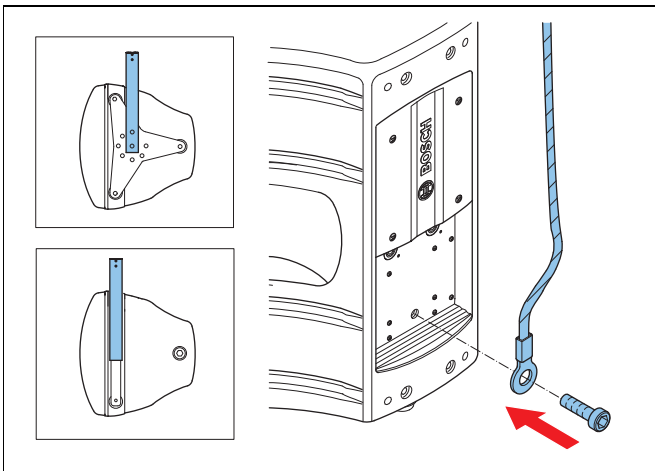
Wall mounting (option 2)



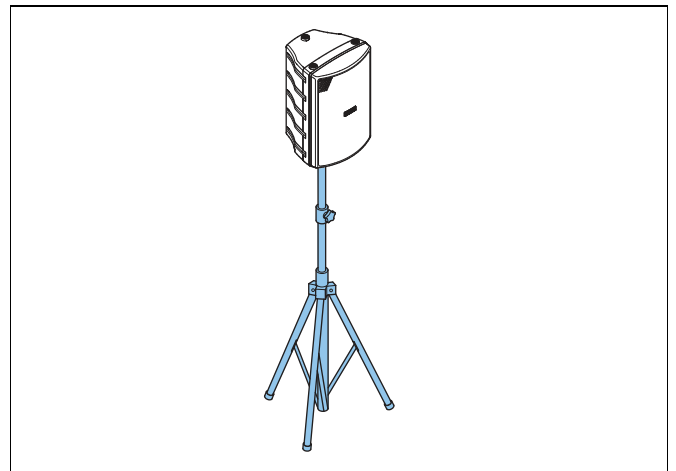
Ceiling mounting (option 1) EN 54-24



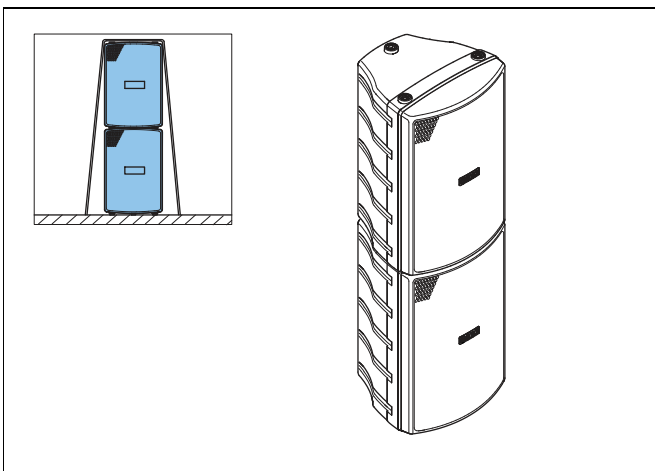
Ceiling mounting (option 2) EN 54-24



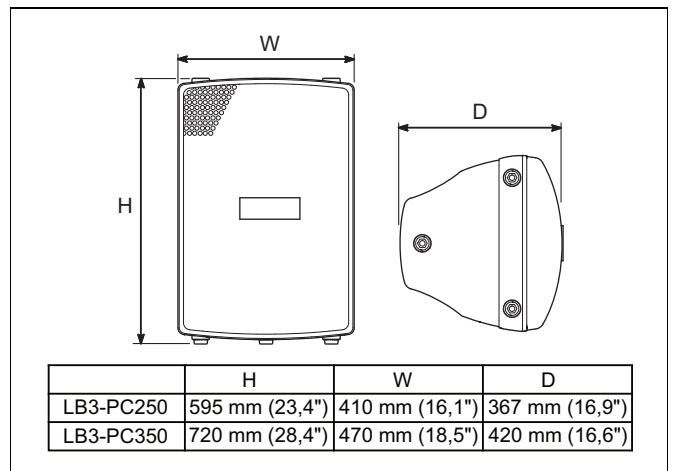
Attaching the safety tether to the safety tether mounting point at the rear



Installing the tripod



Stacking the loudspeakers (max. 2 loudspeakers - use a strap)



Dimensions

## Technical data

### LB3-PC250 - Octave and 1/3 octave related measure results

Octave band opening							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Horizontal opening angle	360	183	152	100	77	87	86
Vertical opening angle	360	180	162	70	66	44	32

**Table 1** Octave band opening angles

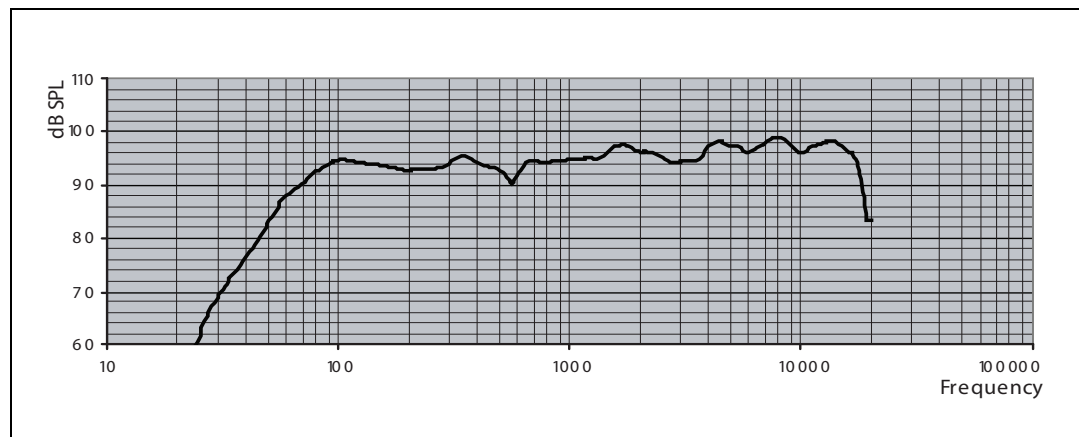
Octave band sensitivity							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Octave SPL 1 W / 1 m	92.8	93.3	93.6	94.7	97.0	96.8	98.0

**Table 2** Octave band sensitivity of 250 W / 100 V-tap

Total octave SPL	A-weighted (in dB SPL)	C-weighted (in dB SPL)
Total octave SPL 1 W / 1 m	93.7	95.1
Total octave SPL Pmax / 1 m	117.7	119.1

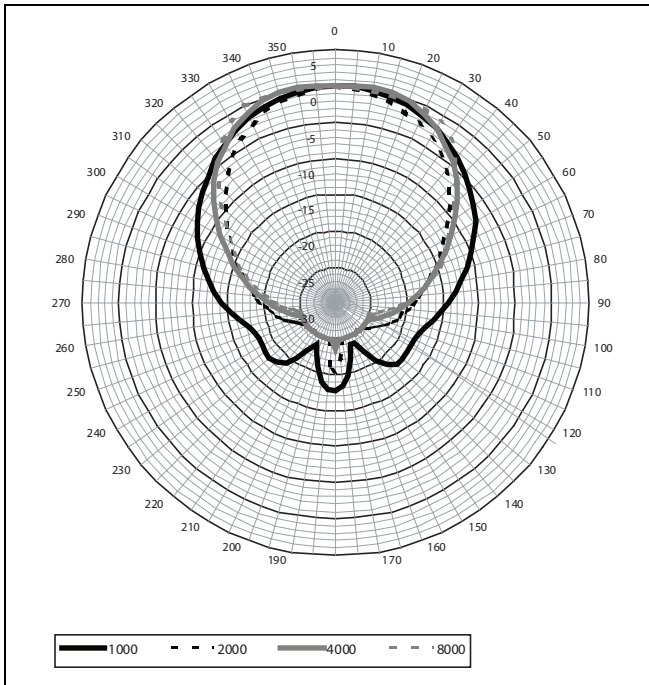
**Table 3** Total octave SPL

### LB3-PC250 - Frequency and impedance graphs

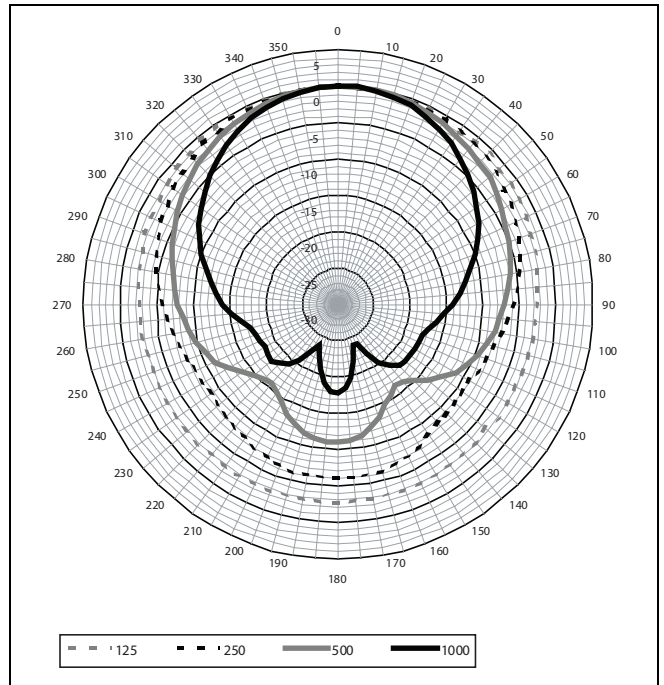


Frequency response on 0-degrees axis measured with 1 W at 1 m.  
Connected to 250 W/100 V-tap and measured with 1/3 octave smoothing.

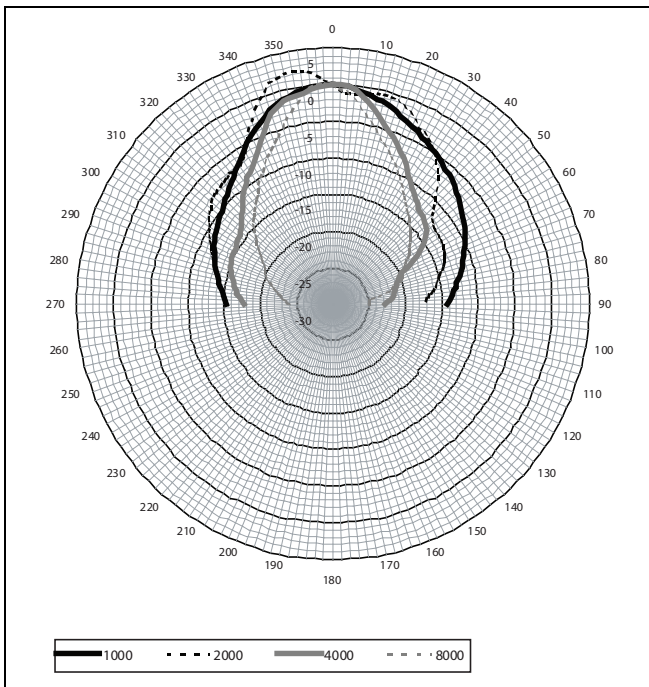
### LB3-PC250 - Polar diagrams



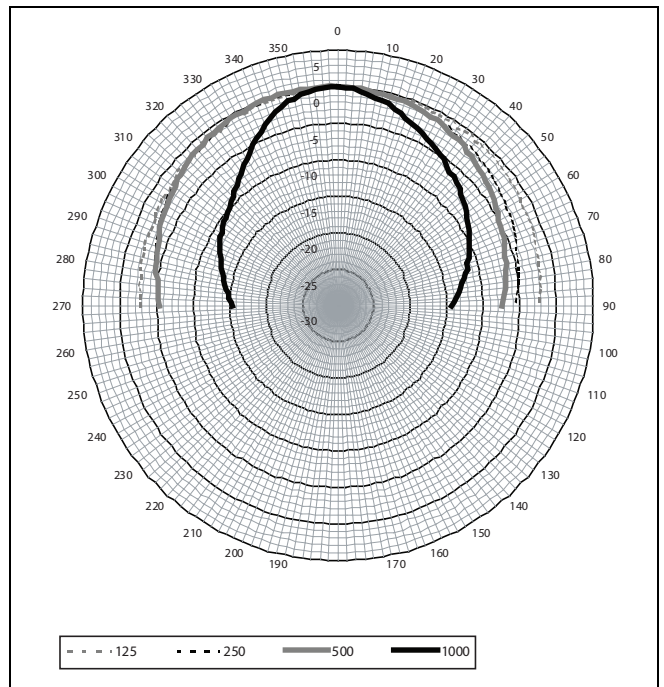
Horizontal polar diagram (high frequency). Normalized at 0-degrees axis.



Horizontal polar diagram (low frequency). Normalized at 0-degrees axis.



Vertical polar diagram (high frequency). Normalized at 0-degrees axis.



Vertical polar diagram (low frequency). Normalized at 0-degrees axis.

**LB3-PC350 - Octave and 1/3 octave related measure results**

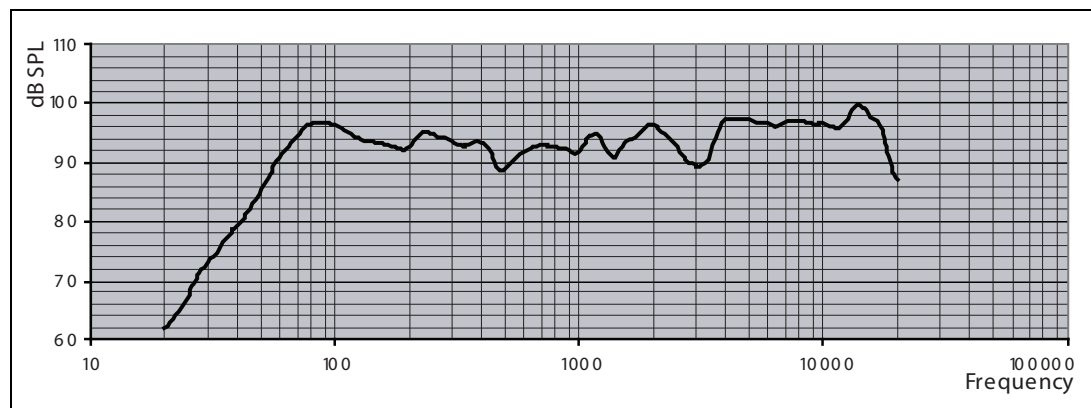
<b>Octave band opening</b>							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Horizontal opening angle	360	183	152	100	77	87	86
Vertical opening angle	360	180	162	70	66	44	32

**Table 4** Octave band opening angles

<b>Octave band sensitivity</b>							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Octave SPL 1 W / 1 m	93.3	93.8	93.0	93.6	95.2	96.6	98.4

**Table 5** Octave band sensitivity of 250 W / 100 V-tap

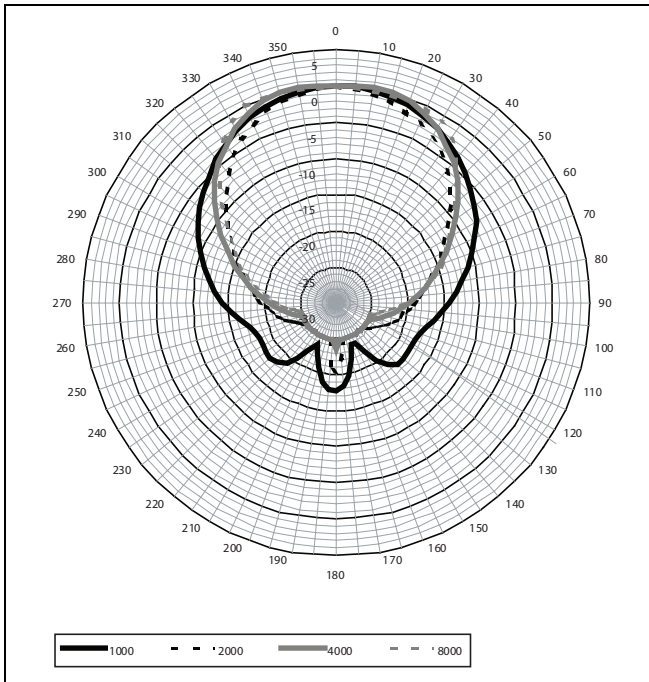
<b>Total octave SPL</b>	<b>A-weighted (in dBSPL)</b>	<b>C-weighted (in dBSPL)</b>
Total octave SPL 1 W / 1 m	93.3	95.3
Total octave SPL Pmax / 1 m	118.7	120.7

**Table 6** Total octave SPL**LB3-PC350 - Frequency and impedance graphs**

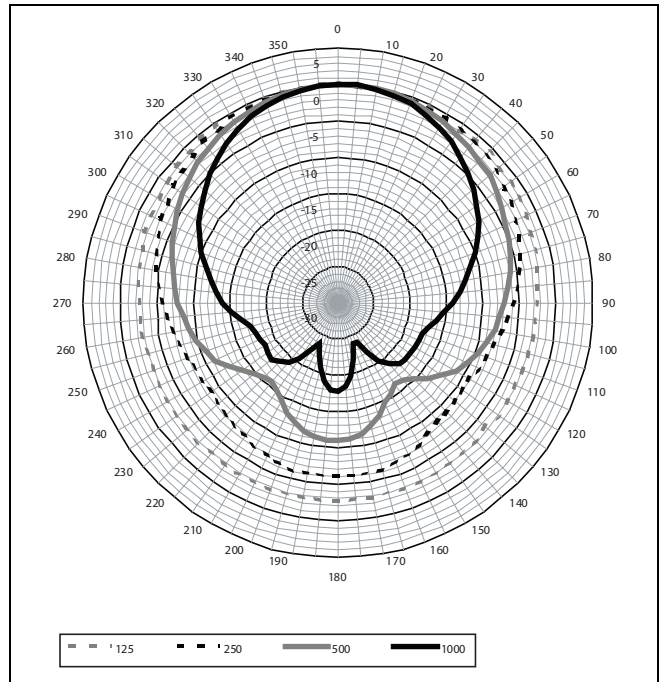
Frequency response on 0-degree axis measured with 1 W at 1 m.  
Connected to 350 W/100 V-tap and measured with 1/3 octave smoothing.



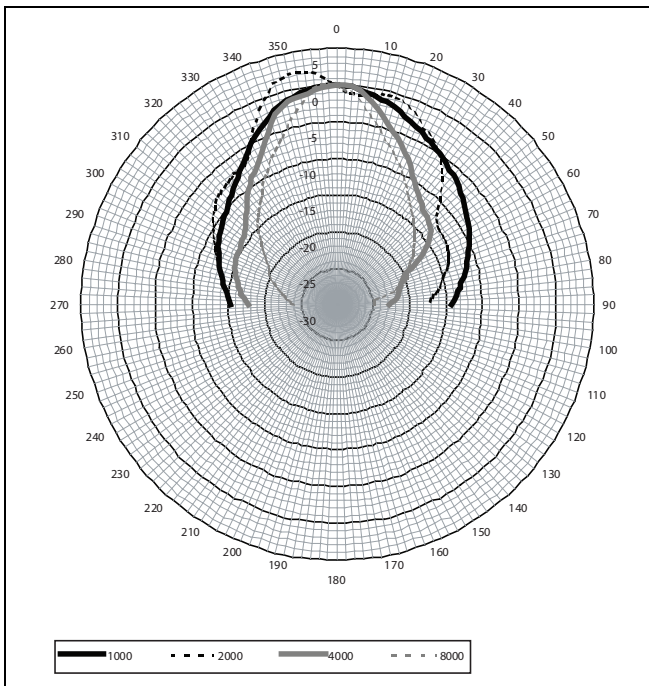
### LB3-PC350 - Polar diagrams



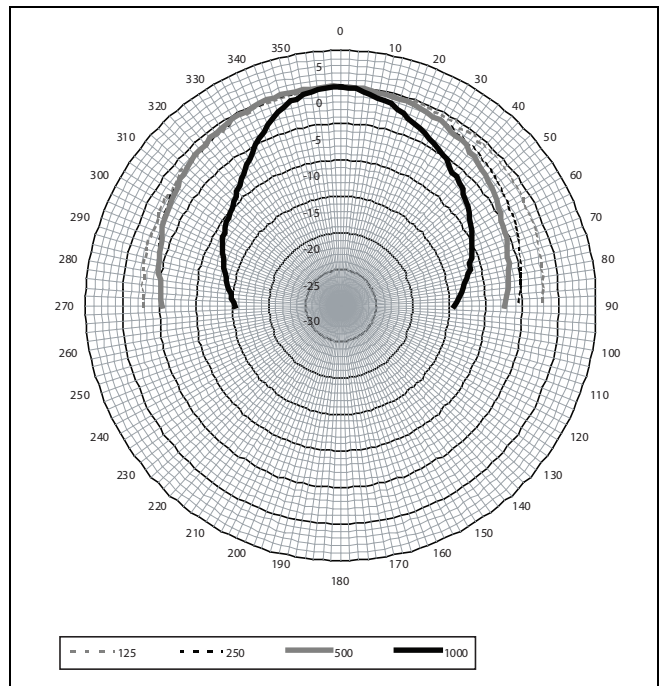
Horizontal polar diagram (high frequency). Normalized at 0-degree axis.



Horizontal polar diagram (low frequency). Normalized at 0-degree axis.



Vertical polar diagram (high frequency). Normalized at 0-degree axis.



Vertical polar diagram (low frequency). Normalized at 0-degree axis.



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