

# Linea

## LX-500

Passive line source speaker for music and speech, 4 × 6,5" / 4 × 1", 700 W, 132 dB SPL max., approx. 195 × 1160 × 238 mm, install version



# Linea LX-500

The LX-500 is a loudspeaker designed for challenging fixed installations. It combines and optimizes the principles of line array technology in a compact, high performance system: first-class directivity, even dispersion, and a long reach. The slim appearance enables perfect visual integration into the room architecture. The loudspeaker system can be optimally combined with passive and active subwoofers of the X and Perform series and delivers best results with Fohhn DSP power amplifiers.

## Main features

- 4 × 6.5" long excursion driver, 4 × 1" compression driver with Waveguide
- Nominal power rating: 700 W
- Dispersion: 100° × 20° (H × V)
- SPL max.: 132 dB
- High feedback resistance
- Connections: 8-pole Phoenix connector
- High-quality wooden enclosure (multiplex birch) with PU coating
- Available in RAL Classic, NCS or Pantone colors on request
- Versatile mounting and flying accessories
- In order to ensure performance and operational safety, Fohhn system amplifiers including the correct speaker preset are required.

Available with the following color options



Black

Equipped with the following Fohhn technologies



Fohhn Source  
Division  
Waveguide



Special colors  
optional



Ball impact  
resistant



Weatherproof  
execution

# Technical data

## Electroacoustic features

acoustic design	passive line source speaker system, 2-way
power rating (nominal)	700 watts
power rating (program)	1400 watts
power rating (peak)	2800 watts
components	4 × 6.5" Langhub-Chassis, vorgesezte Kompressionskammer mit Phaseboard, 4 × 1" Kompressionstreiber auf horngeladenem Fohhn-Waveguide, mit selbstrückstellendem IPC-Hochtonschutz, voll neodym.
sensitivity	98 dB
maximum SPL	132 dB
frequency range	75 Hz – 20 kHz
nominal impedance	8 ohms
2-way design	yes
nominal dispersion (h x v)	100° × 20°

## Features

enclosure	multiplex birch plywood, Aluminium
front design	acoustic foam, same colour as enclosure
protection grille	steel grille, ball impact resistant, powder-coated
weight	23 kg
standard colours	black or white
mounting points	10 × M6 and 2 × M8 thread
weather protection	polyurethane coating and water-repellant speaker cone impregnation
connectors	8-pin Phoenix terminal
dimensions (W × H × D)	approx. 195 × 1160 × 238 mm

## Optional features

optional colours	RAL Classic / NCS / Pantone on request
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## CAAD simulation data

simulation data	EASE
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power rating (nominal/program): according to IEC-60268-5

power rating (peak); maximum SPL: peak, 20 ms with bandpass filtered pink noise signal according to IEC 60268-2 at one octave above the lower limit of the frequency range

sensitivity: 2,83 V at 8 ohms (2 V at 4 ohms, 4 V at 16 ohms) at a distance of 1 m under anechoic fullspace conditions

frequency range: -10 dB under anechoic halfspace-conditions

weight: net weight without optional equipment

Intelligent Protection Circuit (IPC): voltage-controlled semiconductor circuit protecting the HF-driver against overload highly effective and with very short attack time

cut-off frequency: -10 dB under anechoic halfspace-conditions with speaker preset

heat dissipation: pink noise, 6 dB crest, 1/4 Pmax

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