ZL 250 AIArray
Passive Line Array for 8-Channel Active Operation

Description

The ZL 250 AIArray is a passive line array for 8-channel active operation. It harnesses adjustable vertical directional characteristics and a long throw to ensure even acoustic irradiation across large rooms.

Featuring 32 long excursion full-range drivers with a neodymium motor and phase plug, the ZL 250 AIArray has an exceptionally wide frequency range and is ideal for both speech and music reproduction.

The sound dispersion characteristics can be adapted to different rooms and situations using our DSC 808 digital system controllers.

We also preconfigure controllers on request.

We recommend using the SUB 40 or SUB 80 subwoofers to supplement the low frequency range.

Key Features

- Passive line array for 4-channel active operation
- Vertical angle of radiation adjustable via controller
- Very linear frequency range
- 16 × 2.5“ full-range speakers with phase plug
- 4 × 120 watts power capacity
- Modular aluminium cabinet

Fields of Application

- Churches
- Concert halls, theatres
- Exhibitions, trade fairs
- Gastronomy
- Large rooms, halls
- Museums

Vertical beam width adjustable via controller

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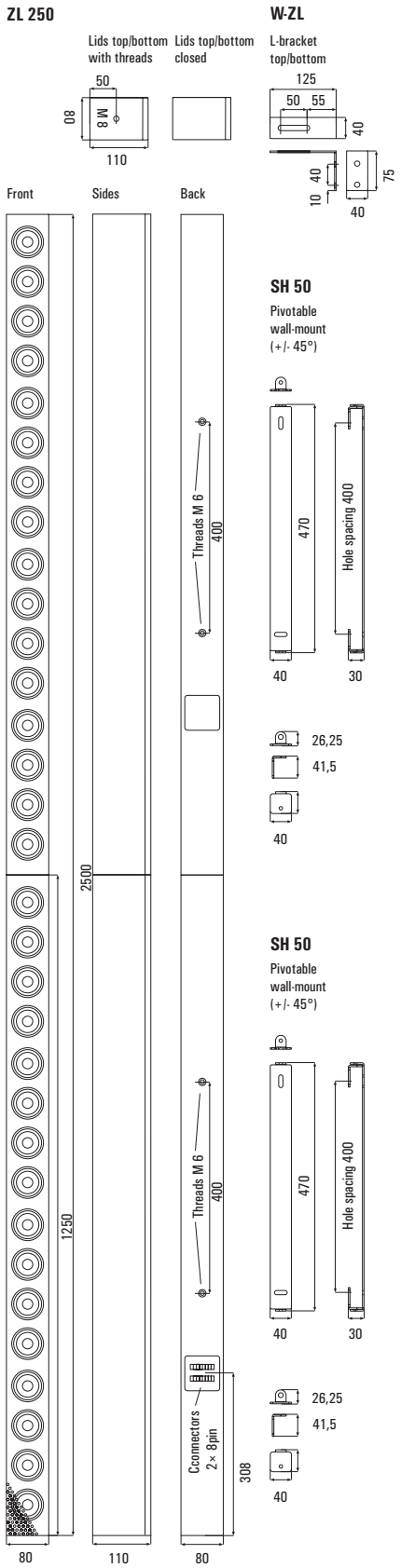
Dimensions



Technical Data

Principle	Passive line array for 8-channel active operation
Components	32 × 2.5" long excursion full-range drivers with phase plug and neodymium magnet system
Frequency range	60 Hz – 24 kHz
Impedance	8 × 8 ohms
Power capacity	8 × 60 watts RMS, 8 × 120 watts program
Sensitivity	85 dB (4 × 1 W@10 m)
Maximum SPL	114 dB @10 m
Nominal dispersion (H×V)	Horizontal 120°, vertical adjustable via controller (controller not included in delivery)
Dimensions (W×H×D)	80 × 2500 × 110 mm
Weight	11.8 kg
Cabinet	Aluminium, powder coated, front metal grille, lids closed or optionally threaded inserts M 8 on top/at bottom (Please specify bracket type when placing your order)
Connectors	Screw-type terminals, pluggable
Warranty	5 years

Model	Order-No.	Version
ZL 250 AIArray White	1008-0001	RAL 9016
ZL 250 AIArray Black	1008-0002	RAL 9005

Other lenght and colours on request

Accessories	Order-No.	Version
W-ZL White	7110-0005	L-bracket (pair)
W-ZL Black	7110-0006	
SH 50 White	7110-0003	Wall mount
SH 50 black	7110-0004	(+/– 45°)

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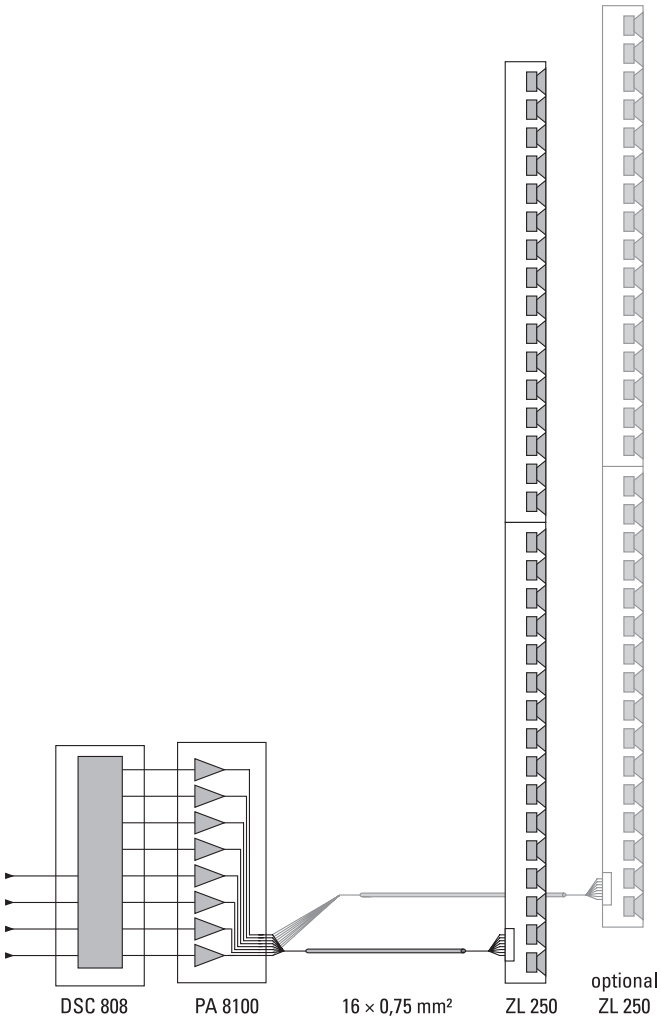
Circuit Diagram with Controller an Amplifier



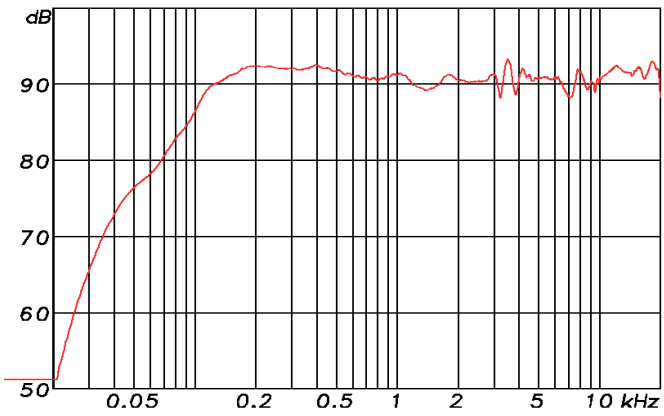
W-ZL
L-bracket

Connectors

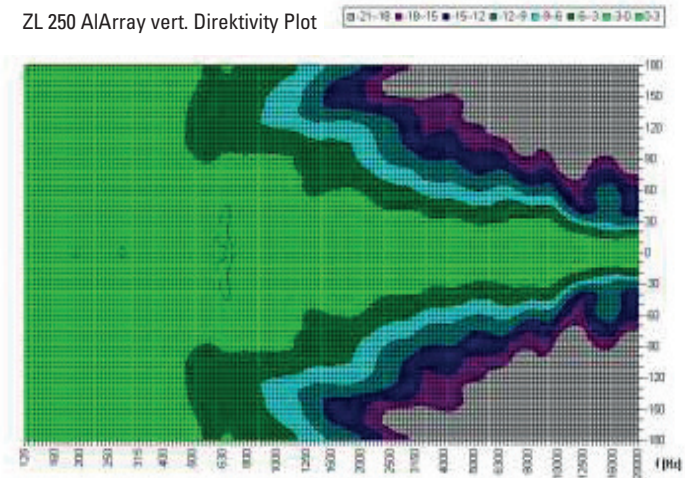
Front without grille

Measuring Diagrams

ZL 250 AlArray Sens. @ 2, 83V/1m, d=4m



ZL 250 AlArray vert. Direktivity Plot



Changes and errors excepted. 2/2023