

LINE ARRAY Series

Compact 2Way active, vertical / horizontal line array system

Audio-Performance DLA10W

The DLA10W Compact Down Fill Line Array Loudspeaker is a Light, Simple and Versatile product designed to deliver Great Sound into medium and large venues.

The two way full range Loudspeaker consist of 2 x 10" low frequency cone driver with a in-house designed phase plug that optimises the vertical coverage and avoid the need of mid-range drivers. One 1.4" exit, 3" voice coil compression driver mounted in a complex Audio Performance Wave Guide, loaded with an adjustable horizontal / vertical constant directivity horn, gives the user to adapt the horizontal / vertical directivity by step of 15° from 60° to 120° without removing the front grill.

The specific conception enables the DLA10W to reach 55 Hz without the need of a subwoofer and to deliver a flat frequency response up to 20 kHz (+/- 3dB).

The versatility of the DLA10W stand in the externally amplification possibilities.

It can be used either in a fully 2 way active mode or bi-amplified with the DLA10W-amp or the AP44M10 or AP48M20 SMPSU Audio Power Amplifier which ensures active system linearization, intelligent transducer protection and optimisation for two operating modes, "Full Range" for standalone DLA10W applications and High-Pass mode for use with additional sbwoofers or fill applications.

The simplicity of the unique Three Points Rigging system offers easy stacking as well as easy flying and fits in any situation.

Ease Focus 3.0 data is provided by Audio Performance.

The DLA10W is perfectly suitable for touring and fixed applications.

No compromise between size and sound, It's just Small and Powerfull!!



IDEAL FOR

Large Scale
sound
Reinforcement

Concert halls
Clubs

Stadiums
Theatres

Special Features

Horizontal Directivity
Adjustable
from:

Symetric: 60°, 90°, 120°

Asymetric: 75°, 105°

Vertical Directivity: 22,5°

Symetrical Design

High power

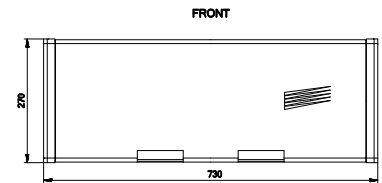
Compact Size

LINE ARRAY Series

DLA10W Specifications

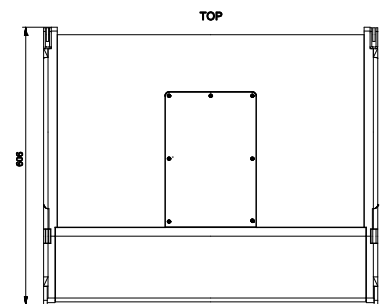
ACOUSTICAL

| | |
|------------------------------|---|
| Frequency response (1) | 55Hz - 20'000Hz |
| Phase response | 350Hz - 10KHz + / - 45° |
| Maximum peak SPL (2) | 141dB |
| Coverage | Horizontal: adjustable from 60° to 120° / 15° step Symetric or Asymmetric Vertical: 22,5° |
| Crossover (3) | 980Hz |



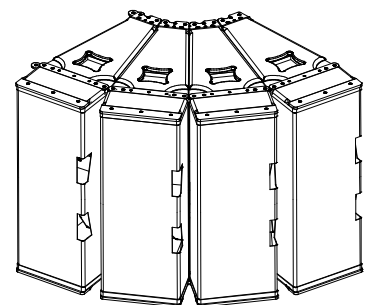
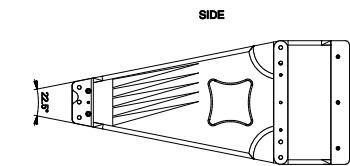
TRANSDUCERS

| | |
|-------------------------|---|
| Low frequency | 2 x 10" long excursion, low distortion ND cone driver |
| Nominal impedance | 4 ohms |
| Power Handling | 800W RMS (AES) (4) |
| High frequency | 1 x 1,4" exit, 3" diaphragm ND compression driver, loaded with adjustable horizontal horn |
| Nominal impedance | 8 ohms |
| Power Handling | 140W RMS (AES) (4) |
| Connectors | 2 x Neutrik Speakon NL4MP (wired in parallel) 1+/- = Low; 2+/- = High |



MECHANICAL

| | |
|----------------------------|--|
| Cabinet size (WxHxD) | 730 x 270 x 606mm |
| Cabinet finish | 15 mm plywood, black epoxy painted, other colours on request |
| Rigging | Patent pending Three Point Rigging system |
| Protective grill | Removable perforated 1,6mm steel, foam cover |
| Weight | 35Kg |



90° horizontal coverage
DLA10W Array

(1) Frequency response: +/- 3dB, measured at 3 meters, on axis, half-space conditions - MLSSA 1/3 octave

(2) Max peak SPL: Measured with Pink noise referred to 1 meter

(3) Crossover: Acoustical crossover frequency - at these frequency, transducers produce equal sound pressure level

(4) AES: Power handling is measured under AES standard conditions

(5) Power AMPS: Amplifier RMS output power per channel into 2 ohms, both channel driven