

# LA26

## Ultra-Compact Passive Line Array Element



### TECHNICAL SPECIFICATIONS



- 2-way passive, axially symmetric, Line Array Element
- 16 impedance and internal passive network, reduces amplifier units
- Unrivalled dispersion control and smooth even sound radiation pattern
- 105° horizontal constant directivity pattern control
- Auto-locking rigging mechanism with variable splay angles from 0° to 12°

### OVERVIEW

The LA26 is a 2-way, full range line array cabinet housing two 6.5" neodymium Planar Diaphragm drivers located in the side walls of the HF Oblate Spheroidal Waveguide, a 2" diaphragm HF neodymium driver and a passive network crossover presenting a nominal input impedance of 16.

The LF Planar Diaphragm drivers, and its special placement, integrated on the Spheroidal Waveguide, reduces the cavity effect, associated with traditional cone speakers, radiating sound energy smooth and evenly over the entire coverage area. This special arrangement perfectly combines the HF and LF acoustic centers to generate precisely coherent wavefronts uniformly spread in the horizontal plane and precisely coupled in the vertical plane.

The LA26 was designed to be incredibly versatile solving the needs of production companies, rental houses, theaters, houses of worship, working as main system, front fill, side array or as complement of larger-scale LA systems.

For low frequency extension the LAs15A active subwoofer can be used. This unit is capable to process and power up to three LA26 passive line array elements.

#### Technical Data

Speaker Type: 2-way passive line array element

#### Acoustical Data

Sensitivity (1W@1m): 100dB (Full-Space)

Calculated Max. SPL (Cont/Peak): 127.6dB/130.6dB (Full-Space)

Coverage Angle -6dB (HxV): 105°x12°

Frequency Response (±3dB): 75Hz - 19KHz

#### Drivers

Low Frequency: 2 x 6.5 Planar Diaphragm, Neodymium Custom Speaker

High Frequency: 1 x 1" (25mm) exit/ 2" (51mm) VC HT Polymer Diaphragm, B&C custom Neodymium Compression Driver

#### Electrical Data

Program/Peak Power: 600W/1200W

Nominal Impedance: 16

Recommended Amplifier: LAs15A / N-RAK

Recommended High-Pass Filter: 65Hz, 18dB/oct Butterworth (Full-Range Operation)

Connectors: 2 x SpeakON NL4 parallel wired

Crossover frequency: 1200Hz passive (internal)

Recommended HPF (with Subwoofer): 140Hz, 24dB/oct Linkwitz-Riley

#### Enclosure

Construction: 15mm multi-laminate birch plywood

Finish: Semi-Matte Black Textured Coating

Protective grill: Black Perforated Steel

Fittings: 3-point adj. rigging system (0° to 12°)

Handles: 2 x side handles, 2 x rear grip handles

Dimensions (WxHxD): 498.5mm x 195mm x 430mm

Net Weight: 15Kg