

# LA26

## Ultra-Compact Passive Line Array Element



- 2-way passive, axially symmetric, Line Array Element
- 16 impedance and internal passive network, reduces amplifier units
- Unrivaled 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

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