

Large-Format Line Arrays

By George Petersen

For tours, festivals, events and installs in arenas, stadiums and large spaces, you typically need long-throw, high-power systems. This calls for large-format line arrays, here defined as systems with dual 12- or 15-inch woofers. Checking around, we found a wide range of speakers — in powered and unpowered systems — with a lot of variety and system topologies on the market. With that in mind, we've provided URL's for each company; contact the manufacturers for more information.

BASSBOSS MFLA



LF: (2) 12" neodymium woofers
HF: (2) 1.4" exit comp. drivers
Frequency Response: 60Hz to 18kHz (±3 dB)
Horizontal Dispersion: 120°
Size: 16.15 x 40.5 x 20.4"

(HxWxD)
Weight: 104 pounds
Power: 3,000W
Notes: Onboard DSP
Companion Sub: SSP 215, SSP 218

bassboss.com

Clair Global Cohesion CO-12



LF: (2) 12" neodymium woofers
MF: neodymium mid drivers
HF: neodymium compression drivers
Frequency Response: 35Hz to 20kHz
Horizontal Dispersion:

80° (120° avail.)
Size: 14 x 45 x 22"
Weight: 132 pounds
Power: Clair StakRack or PakRak
Notes: Proprietary Clair/Lake processing
Companion Sub: Cohesion CP118, CP218

clairglobal.com

Coda Audio AiRAY



LF: (2) 12" neodymium woofers
MF/HF: (2) coaxial 6" planar-wave drivers
Frequency Response: 50Hz to 22kHz
Horizontal Dispersion: Variable 90/100/110°
Size: 26.5 x 14.7 x 22.5"

(HxWxD)
Weight: 83.6 pounds
Power: Unpowered
Notes: Extremely compact design
Companion Sub: SC2-F or SCV-F

codaudio.com

Lynx Pro Audio LX-V12



LF: (2) 12" neodymium woofers
MF: (4) 6.5" cone mids
HF: (2) 1.4" exit neodymium drivers
Frequency Response: 55Hz to 18kHz
Horizontal Dispersion: 100°

Size: 14.5 x 46.25 x 20" (HxWxD)
Weight: 163 pounds
Power: 4,000W Class-D
Notes: Onboard DSP with FIR filters
Companion Sub: LX-218S/LX-318C

lynxproaudio.com

Martin Audio MLA



LF: (2) 12" neodymium
MF: (2) 6.5" cone neodymium mids
HF: (3) 1" exit neodymium drivers
Frequency Response: 52Hz to 18kHz
Horizontal Dispersion: 90°

Size: 14.6 x 44.7 x 26.5" (HxWxD)
Weight: 193 pounds
Power: (6) Class-D, 6,000W peak
Notes: DSP/networking control of each array cell
Companion Sub: MLX Sub-Bass

martin-audio.com

Meyer Sound LYON-M



LF: (2) 12" long-excursion woofers
HF: (2) 3" diaphragm comp. drivers
Frequency Response: 55 Hz to 16.5k Hz
Horizontal Dispersion: 90°
Size (HxWxD): 14.9 x 38.2

x 21"
Weight: 199 pounds
Power: 3-channel Class-AB/H
Notes: 110° dispersion LYON-W also avail.
Companion Sub: VLFC, 1100-LFC

meyersound.com

d&b audiotechnik GSL12



LF: (2) 14" and (2) 10" neodymium woofers
MF: 10" neodymium cone driver
HF: (3) 1.4"-exit drivers
Frequency Response: 45Hz to 18kHz
Horizontal Dispersion: 120°

Size: 15.4 x 51.2 x 24.7" (HxWxD)
Weight: 176 pounds
Power: d&b amp/DSP package recommended
Notes: Near-cardioid performance
Companion Sub: Triple 21" SL-G SUB

dbaudio.com

DAS Audio Aero Series 2 Aero 50



LF: (2) 15" neodymium woofers
MF: (4) 8" cone neodymium mids
HF: (2) 1.5" exit, neodymium drivers
Frequency Response: 45 to 20kHz
Horizontal Dispersion:

90°
Size: 18.7 x 53.1 x 24.7" (HxWxD)
Weight: 187 pounds
Power: Unpowered
Notes: Splay adjusts in 0.8" increments
Companion Sub: LX-218CA, LX-218C

dasaudio.com

dBTechnologies VIO L212



LF: (2) 12" neodymium woofers
MF: (4) 6.5" neodymium cone drivers
HF: (2) 1.4" exit neodymium drivers
Frequency Response: 55Hz to 18.6kHz
Horizontal Dispersion:

90°
Size: 15 x 43.3 x 17.7" (HxWxD)
Weight: 120 pounds
Power: (2) 1,600W RMS Class-D
Notes: Onboard DSP
Companion Sub: VIO S118R, VIO S218, VIO S318

dbtechnologies.com

Outline GTO



LF: (2) 15" woofers
MF: (4) 8" cone mids
HF: (4) 3" diaphragm neodymium drivers
Frequency Response: 50Hz to 18kHz
Horizontal Dispersion: 90°
Size: 18.1 x 44.3 x 25.8"

(HxWxD)
Weight: 212 pounds
Power: Unpowered
Notes: Downfiring GTO-DF also available
Companion Sub: GTO-LOW, GTO-SUB

outline.it

PK Sound Trinity



LF: (2) 12" neodymium woofers
MF: (4) cone midrange
HF: (2) coaxial HF
Frequency Response: 40Hz to 22 kHz
Horizontal Dispersion: Variable, 60° to 120°
Size: 13.8 x 54.8 x 23"

(HxWxD)
Weight: 259 pounds
Power: 6,000 watts, Class-D
Notes: Remotely adjustable horiz./vert dispersion
Companion Sub: Gravity 218, Gravity 30, Klarity 218

pksound.ca

RCF HDL 50-A 4K



LF: (2) 12" neodymium woofers
MF: (4) 6" cone neodymium mids
HF: (2) 2" exit neodymium drivers
Frequency Response: 40Hz to 20kHz
Horizontal Dispersion:

90°
Size: 14.4 x 46 x 19.8" (HxWxD)
Weight: 128.8 pounds
Power: 4,000W RMS
Notes: 32-bit FIR DSP with RDNet control
Companion Sub: HDL-53AS, SUB 9007-AS

rcf.it

EAW Anya



LF: (2) 15" aperture-loaded woofers
MF: (6) 5.25" cone horn-loaded mids
HF: (14) 1" exit drivers, horn-loaded
Frequency Response: 35Hz to 18kHz
Horizontal Dispersion:

70°
Size: 16.9 x 45 x 30" (HxWxD)
Weight: 285 pounds
Power: 10,000W triamped Class-D w/DSP
Companion Sub: Otto Adaptive Subwoofer

eaw.com

EM Acoustics Halo-A



LF: (2) 12" neodymium woofers
HF: (4) 1.4" exit drivers
Frequency Response: 48Hz to 19kHz
Horizontal Dispersion: 80°
Size: 14.3 x 40.2 x 24.4" (HxWxD)

Weight: 145 pounds
Power: Unpowered
Notes: AMT plane-wave HF array
Companion Sub: Halo-CS

emacoustics.co.uk

ISP Technologies HDL 4212



LF: (2) 12" neodymium woofers
MF: (2) 6.5" cone mids
HMF: (2) 2" exit drivers
HF: (4) 1.75" exit drivers
Frequency Response: 68Hz to 18kHz
Horizontal Dispersion: 90°
Size: 15 x 43.5 x 27.5"

(HxWxD)
Weight: 185 pounds (with amps)
Power: Six amps provide 2,000W total
Notes: Outboard digital x-over required
Companion Sub: XMAX 218

isproaudio.com

Sound Barrier SB-LA212



LF: (2) 12" neodymium woofers
MF: (2) 6.5" cone neodymium mids
HF: (2) 1.4" exit neodymium drivers
Frequency Response: 60Hz to 19kHz
Horizontal Dispersion:

100°
Size: 15.7 x 43 x 25.6" (HxWxD)
Weight: 143 pounds
Power: Unpowered
Notes: Variable 0° to 8° splay angles
Companion Sub: SB-LA-828SUB

soundbarrier.com

Sound Bridge Labs 7222XY



LF: (2) 12" neodymium woofers
HF: (2) neodymium EXO drivers
Frequency Response: 50Hz to 22kHz
Horizontal Dispersion: 120°
Size: 13.75 x 41.7 x 27.5"

(HxWxD)
Weight: 141 pounds
Power: Unpowered
Notes: MF/HF drivers on Q-Drive WaveShaper horns
Companion Sub: 7218SWX, 7218SWX-F, 7221SWX

soundbridge.com

VUE Audiotechnik al12



LF: (2) 12" neodymium woofers
MF: (6) 4" Kevlar cone neodymium drivers
HF: (2) 1.4" exit drivers
Frequency Response: 47Hz to 28kHz
Horizontal Dispersion: 90°

Size: 14 x 42.1 x 16.85" (HxWxD)
Weight: 129 pounds
Power: Unpowered;
Notes: Beryllium diaphragms
Companion Sub: hs-228, hs-221

vueaudio.com