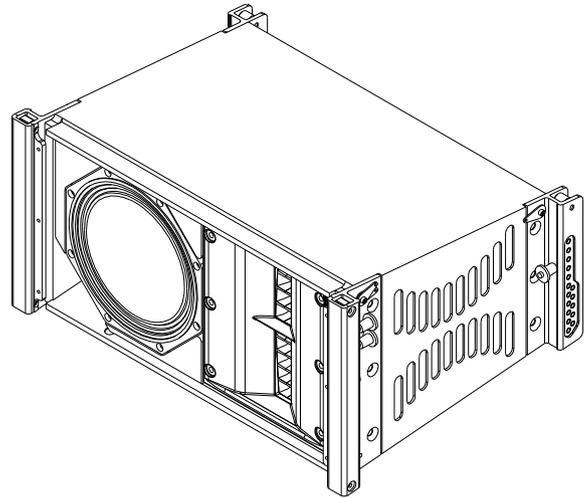


XLE191 2-Way, High-Output, Very Compact Line-Array Element

- Very Compact, Lightweight
- Simple, Quick Integrated Rigging
- 90° Horizontal Coverage
- Bi-Amp or Full-Range Operation
- Neodymium Transducers



The XLE191 is a 2-way using a single 8 inch neodymium LF transducer and two neodymium 2 inch voice coil compression drivers combining through 2 hydra plane wave generators into a 90° x 10° waveguide. The XLE191 can be used in Biamp or full-range modes using a sophisticated internal passive network. It is designed for use in arrays of four or more elements. The XLE191 delivers full bandwidth audio with precise, predictable coverage control. Integrated rigging with hinge points located correctly between array elements is simple to use and quickly provides uncompromised line array performance. The XLVC family consists of two full-range systems with dual woofers, two full-range systems with single woofers and a subwoofer system. The dual-woofer versions include the XLD281 with a 120° horizontal coverage pattern and the XLD291 with a 90° horizontal coverage pattern. The single woofer versions include the XLE181 with a 120° horizontal coverage pattern and the XLE191 with a 90° horizontal coverage pattern. LAPS2 modeling software quickly provides array configurations and rigging information. X-Line Very Compact delivers unprecedented performance in applications ranging from live reinforcement to performing arts venues to houses of worship.

Technical specifications

Frequency Response (-3dB):	90 Hz-18 kHz ¹
Frequency Range (-10 dB):	75 Hz-20 kHz ¹
Max Calculated SPL:	138 dB Cont., 144 dB Peak ²
Horizontal Coverage:	90°
Vertical Coverage:	Array Dependant, Software Definable
Rigging:	Fully Captive Aluminum, 1° increments, 16 elements with 8 to 1 Safety Factor
LF Power Handling:	200W Cont., 800W Peak
HF Power Handling:	80W Cont., 320W Peak
LF to HF Crossover Frequency:	1760 Hz ³
LF Passband:	1 x 8 inch DVN2080, 16 ohms
HF Passband:	2 x ND2S-8, 16 ohms
Connectors:	2 x NL8
Enclosure:	13-ply birch plywood with EVCoat

2 | XLE191 2-Way, High-Output, Very Compact Line-Array Element

Grille:	Galvannealed steel with powder coat paint
Environmental Specifications:	IEC 529 IP24, MIL 810
Dimensions (H x W x D):	9.90 in x 20.30 in x 14.52 in (251 mm x 516 mm x 369 mm)
Net Weight:	38 lb (17.2 kg)
Shipping Weight:	41 lb (18.4 kg)

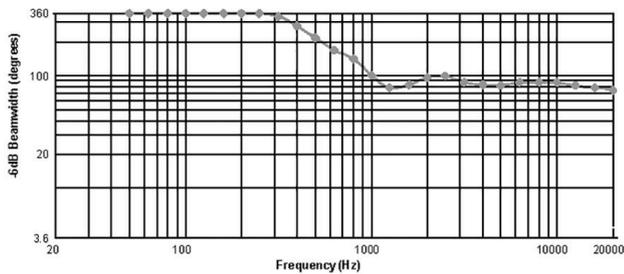
¹Full Space Measurement of four (4) elements.

²Full Space Measurement of HF section of four (4) elements, SPL adjusted for 1 m distance.

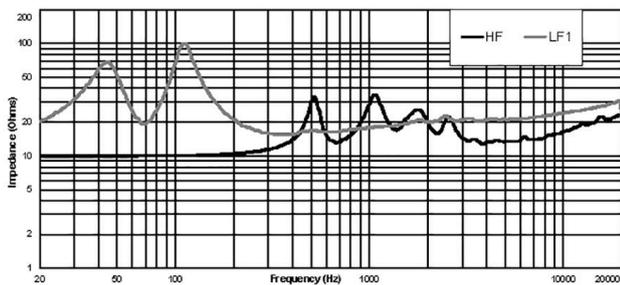
³Use EV signal processing or download presets from Electro-Voice website.

System overview

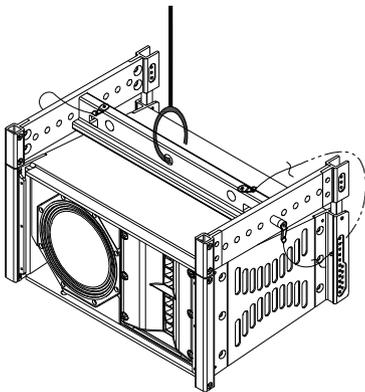
Beamwidth:



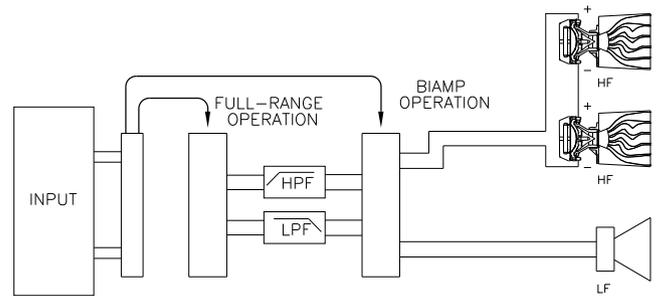
Impedance:



Grid Drawing:



Block Diagram:

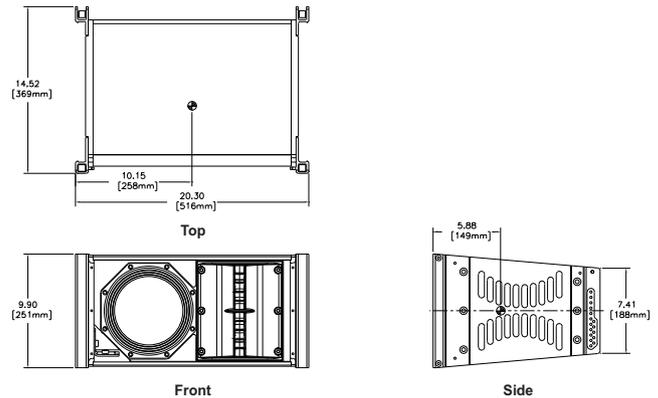


Connection Chart:

(Pins 1 and 2 Pass Through)

	Biamp		Full-Range
LF:	Pins 2	LF/HF:	Pins 3
HF:	Pins 4		Pins 4 Pass Through

Dimensions:



Compatible System Solutions:

XLE181 120° Full-Range Line Array Element

XCS312 Triple 12 inch Cardioid Compact Controlled-Coverage Bass Element (Requires AGSE)

Compatible System Solutions, Electronics:

CP3000S Precision Series Power Amplifier

CP4000S Precision Series Power Amplifier

TG5 Tour Grade Power Amplifier

TG7 Tour Grade Power Amplifier

Dx46 Digital Sound System Controller

N8000 NetMax 300 MIPS Digital Matrix Controller

Ordering information

XLE191 2-Way, High-Output, Very Compact Line-Array Element Black

XLE full-range cabinet, 1 x 8", 2 x ND2, full-range or bi-amp mode switchable, 10° vertical angle, 90° horizontal angle, integrated rigging system, black
Order number **XLE-191-BLKLB**

XLE191 2-Way, High-Output, Very Compact Line-Array Element White

XLE full-range cabinet, 1 x 8", 2 x ND2, full-range or bi-amp mode switchable, 10° vertical angle, 90° horizontal angle, integrated rigging system, ocean liner white
Order number **XLE-191-WHTLB**

Accessories

AGSE-BLK Adaptor Grid Black

Adaptor grid XCS312 - XLE181, black
Order number **AGSE-BLK_GLN**

AGSE-CCA Adapter Grid Clear Coated

Adapter grid to attach to XLC312; clear coated
Order number **AGSE-CCA_GLN**

CBEAM Coupler Beam

Coupler beam for connecting XLD/XLE grids
Order number **CBEAM_GLN**

XGS-4 Groundstack Kit

XGS-4 groundstack kit for XLD or XLE and XCS312
Order number **XGS-4_GLN**

XLE GRID

XLE system aluminum grid for up to 16 x XLE181/XLE191
Order number **XLE GRID_GLN**

XLVC-BGK Bottom Grid Kit

Bottom grid kit for XLD and XLE systems
Order number **XLVC-BGK_GLN**

XLVC-TAE Tilt Angle Extender

Tilt angle extender for XLD and XLE systems
Order number **XLVC-TAE_GLN**

Represented by:

Germany:

Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany

Bosch Security Systems, Inc.
12000 Portland Avenue South
Burnsville MN 55337
USA

www.electrovoice.com