Electro-Voice | XLE191-FG Fiberglass 2-Way, High-Output, Very Compact Line-Array Element

XLE191-FG Fiberglass 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-FG 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-FG 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 FG models are fully-weatherized and fiberglass-coated. The XLE191-FG 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 weatherized 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-FG with a 120° horizontal coverage pattern and the XLD291-FG with a 90° horizontal coverage pattern. The single woofer versions include the XLE181-FG with a 120° horizontal coverage pattern and the XLE191-FG with a 90° horizontal coverage pattern. LAPS2 modeling software quickly provides array configurations and rigging information.

X-Line Very Compact weatherized models deliver unprecedented performance in outdoor venues in full exposure.

Technical specifications

<table>
<thead>
<tr>
<th>Frequency Response (-3dB)</th>
<th>90 Hz-18 kHz¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range (-10 dB)</td>
<td>75 Hz-20 kHz²</td>
</tr>
<tr>
<td>Max Calculated SPL</td>
<td>138 dB Cont., 144 dB Peak²</td>
</tr>
<tr>
<td>Horizontal Coverage</td>
<td>90°</td>
</tr>
<tr>
<td>Vertical Coverage</td>
<td>Array Dependant, Software Definable</td>
</tr>
<tr>
<td>Rigging</td>
<td>Fully Captive Aluminum, 1° increments, 16 elements with 8 to 1 Safety Factor</td>
</tr>
<tr>
<td>LF Power Handling</td>
<td>200W Cont., 800W Peak</td>
</tr>
<tr>
<td>HF Power Handling</td>
<td>80W Cont., 320W Peak</td>
</tr>
<tr>
<td>LF to HF Crossover Frequency</td>
<td>1760 Hz³</td>
</tr>
<tr>
<td>LF Passband</td>
<td>1 x 8 inch DVN2080, 16 ohms</td>
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</tbody>
</table>

¹ LF to HF Crossover Frequency: 1760 Hz³
**System overview**

**Beamwidth:**

**Impedance:**

**Grid Drawing:**

**Block Diagram:**

**Wiring Detail:**

**Biamp**

- HF: Blue +, Brown -
- LF: Red +, Black -

**Full-Range**

- Passive: Red +, Black -

**Dimensions:**

**Compatible System Solutions, Install version:**

- XLE181-FG 120° Full-Range Line Array Element
- XCS312-FG Triple 12 inch Cardioid Compact Controlled-Coverage Bass Element

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**HF Passband:** 2 x ND2S-8, 16 ohms

**Connectors:** Gland nut with 30 ft cable

**Enclosure:** 13-ply birch plywood with fiberglass and EVCoat

**Grille:** Stainless steel with powder coat paint and hydrophobic cloth

**Environmental Specifications:** IEC 60529, IP55

**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)

1 Full Space Measurement of four (4) elements.
2 Full Space Measurement of HF section of four (4) elements, SPL adjusted for 1 m distance.
3 Use EV signal processing or download presets from Electro-Voice website.
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-FG Fiberglass 2-Way, High-Output, Very Compact Line-Array Element Black
XLE full-range cabinet, fiberglass, 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 XLE191-FGB

XLE191-FG Fiberglass 2-Way, High-Output, Very Compact Line-Array Element White
XLE full-range cabinet, fiberglass, 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 XLE191-FGW

Accessories

XLE-GRID-FGB Grid Fiberglass Black
XLE system fiberglass grid for up to 16 x XLE181-FG/XLE191-FG, black
Order number XLE-GRID-FGB

XLE-GRID-FGW Grid Fiberglass White
XLE system fiberglass grid for up to 16 x XLE181-FG/XLE191-FG, white
Order number XLE-GRID-FGW

XLCV-BGK-FGB Fiberglass Bottom Grid Kit Black
Bottom grid kit for XLD and XLE fiberglass (-FG) systems, black
Order number XLCV-BGK-FGB