

## Key features:

- Two-way active, three-way arrayable point source
- Ground stack or flying configurations available
- Asymmetrical combination waveguide and horn optimised with FEA
- Dual NL4 speakON™ connector with link out for quick and easy set up
- Optional vertical-array rigging and fly bar
- Blanking plate for use without rigging



Designed for pairing with Arcline 218 and 118 subwoofers, Arclite operates as a two-way active, three-way arrayable point source loudspeaker. Offering scalability with maximum output and coherence, to deliver a true point source alternative to the Arcline 8.

Tailored for audio integrators and sound engineers with a focus on touring, Arclite guarantees predictable behaviour even in the most demanding applications. An arrays dispersion and sound pressure levels can be configured precisely to best serve any demands. Arclite's design also offers full summation up to 20kHz with no destructive interference, regardless of the amount of enclosures in the array.

Dual NL4 speakON™ connectors with link out and minimal rigging requirements for ground stacked deployments allows for very fast set-up times.

## Specifications

Frequency response	45 Hz - 18 kHz $\pm 3$ dB
Efficiency <sup>1</sup>	MHF: 113 dB 1 W / 1 m LF: 98 dB 1 W / 1 m
Nominal impedance	LF: 8 $\Omega$ , MHF: 16 $\Omega$
Power handling <sup>2</sup>	LF: 1000 W, MHF 190 W
Maximum output <sup>3</sup>	133 dB Cont, 139 Peak
Driver configuration	1 x 15" LF, 1 x 4" MF, 1 x 2.5" HF
Dispersion	35° H x 60° V (25° up - 35° down)
Connectors	2 x 4-pole speakON™ NL4
Weight	44 kg (97 lbs)
Enclosure	15 mm birch plywood
Mounting	Ground stack or suspended
Finish	Textured 'TourCoat' polyurea

<sup>1</sup> Measured in half space <sup>2</sup> AES2 - 1984 compliant <sup>3</sup> Calculated

## Architectural specifications

The loudspeaker shall be a two-way active, three-way arrayable point source, featuring an asymmetrical combination waveguide and horn, consisting of one high power reflex loaded 15" (381 mm) low frequency (LF) transducer, with a two way, mid-high (MHF) coaxial ring radiator compression driver.

The low frequency transducer shall be constructed on a rigid metal frame, featuring a 4" (101 mm) voice coil, wound with copper wire on a high-quality voice coil former, for high power handling and long-term reliability. The high frequency coaxial ring radiator shall project its sound through a high precision proprietary waveguide with asymmetrical horn mouth.

Performance specifications for a typical production unit shall be as follows: the usable on-axis bandwidth shall be 45 Hz to 18 kHz ( $\pm 3$  dB) for a single enclosure; shall average 35° directivity pattern on the horizontal axis and 60° on the vertical one (25° up - 35° down) (-6 dB down from on-axis level) from 1 kHz to 12 kHz.; maximum SPL of 139 dB peak measured at 1 m using IEC268-5 1/3 Oct pink noise. Power handling shall be 1000 W AES for the LF section at a rated impedance of 8  $\Omega$  and 190 W AES for the HF section at a rated impedance of 16  $\Omega$ . The wiring connection shall be via two Neutrik speakON™. One for input and one for loop-out to another speaker, to allow for pre-wiring of the connector before installation.

The enclosure shall be constructed from 15 mm multi laminate birch plywood, finished in a textured polyurea and shall contain fixing points so that rigging can be attached to array multiple units. External dimensions shall be (H) 793 mm x (W) 510 mm x (D) 559mm (31.3" x 20.1" x 22"). The weight shall be 44 kg (97lbs).

The loudspeaker shall be a Void Acoustics Arclite.

