What are ARCS® WIDE and ARCS® FOCUS?

ARCS® WIDE and ARCS® FOCUS are the two new members of the ARCS® family. ARCS® enclosures are designed to be perfectly arrayed into a constant curvature line source using the patented DOSC® waveguide, without any destructive interference typically occurring when arraying conventional trapezoidal enclosures.

What is the new SB18m?

The acoustic performance of SB18m is strictly identical to the SB18 (Bandwidth, SPL) but the subwoofer features ceramic high grade drivers and streamlined rigging to offer a cost-effective solution for ARCS® WIDE or ARCS® FOCUS fixed installation projects. The SB18m can be deployed closely coupled to ARCS® WIDE or ARCS® FOCUS in vertical arrays.

What are the main differences between ARCS® WIDE and ARCS® FOCUS and ARCS® II?

ARCS® II is a 15" format enclosure with asymmetric directivity of 60° in one plane and 22.5° in the other plane, 140 dB SPL. ARCS® WIDE and ARCS® FOCUS are 12" format enclosures with symmetric directivity of 90° in one plane and a choice of 15 °, 137 dB (ARCS® FOCUS) or 30°, 135 dB (ARCS® WIDE) in the other plane.

What are the benefits of ARCS® WIDE and ARCS® FOCUS?

ARCS® WIDE and ARCS® FOCUS offer the following benefits:

- High SPL and solid LF resources in a compact system solution
- Two plane-dependent directivity patterns (90° smooth and 15° or 30° sharp)
- Consistency of tonal balance over distance
- Intuitive and easily predictable coverage with scalability from 15° or 30°, up to 360°
- Plug-and-Play philosophy for both rigging and presets
- Preserved sightlines with few elements in tightly packed arrays
- Very cost effective and easy solution at no detriment to performance
- Capacity to cover 75% of rental events either as a main or fill system
- Weather resistant with IP 45 rating for outdoor installation projects
- Architecturally friendly with white as standard and RAL color program

Is the system designed to be stacked or flown?

Like ARCS® II, the primary rental applications of ARCS® WIDE and ARCS® FOCUS are stacked configurations, either with a horizontal deployment of ARCS® WIDE or a vertical deployment of ARCS® FOCUS. Stacking is possible on any L-ACOUSTICS subwoofers (SB18, SB18m, SB28). Both systems can also be flown vertically using the WIFOBUMP (8 enclosures max) or horizontally with WIFOLIFT (4 enclosures max). The SB18m can be closely coupled to ARCS® WIDE & ARCS® FOCUS vertical arrays in fixed installations. An additional pole mount socket is available for single cabinets pole mounted on a SB18 or SB18m

What amplification/DSP platform do I need to drive ARCS® WIDE and ARCS® FOCUS?

ARCS® WIDE and ARCS® FOCUS are passive enclosures that can be driven either by the LA4 (1 enclosure per channel @ 8 ohms) or the LA8 (2 enclosures per channel @ 4 ohms) for advanced filtering, system protection and predictable performance. Both cabinets use the same preset.

What is the recommended rental kit and how big an audience can the system cover?

L-ACOUSTICS recommend a wide palette of rental kits from entry-level starting with a pair of pole mounted ARCS® WIDE and SB18m up to full scale FOH kits for audience up to 2000. Please refer to the configuration and kit list document or consult your L-ACOUSTICS representative.

Can I deploy ARCS® WIDE and ARCS® FOCUS in the same array?

ARCS® WIDE and ARCS® FOCUS are acoustically and mechanically compatible. They can be vertically deployed in hybrid "WIFO" arrays to adjust the system coverage to complex audience geometries. For hybrid "WIFO" designs, please use the SOUNDVISION software or consult an L-ACOUSTICS application engineer.

What are the typical applications related to directivity?

ARCS® WIDE in horizontal deployment and sectoring of audience fields for

- Fills HxV (30° x 90°, 60° x 90°)
- L/R FOH HxV (90° x 90°, 120° x 90°)
- Central Cluster HxV (120° x 90°, 180° x 90°)
- In the round HxV (360° x 90°)

ARCS® FOCUS in vertical deployment and sectoring of audience fields for

- Fills HxV (90° x 15°)
- L/R FOH compact HxV (90° x 30°, 90° x 45°, 90° x 60°)
- Distributed HxV (90° x 75°, 90° x 90°)

Hybrid ARCS® WIFO

- Compact FOH HxV (90° x 15°/30°) stacked or flown
- FOH Distributed HxV (90° x 15°/15°/30°/30°, 90° x 15°/30°/30°/15°)

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