

# ARCS FOCUS

## CONSTANT CURVATURE WST® ENCLOSURE

The **ARCS® FOCUS** is a constant curvature WST® enclosure. Within the ARCS® WIDE and FOCUS family, it is designed to generate a narrow coverage combined to a high SPL.

The ARCS® FOCUS loudspeaker enclosure is based on a 2-way passive design with a nominal impedance of 8 ohms. It features one 12" LF speaker in a bass-reflex tuned enclosure and one 3" diaphragm compression driver coupled to a DOSC® waveguide. The cabinet is made of first grade Baltic birch plywood for optimum acoustical and mechanical integrity. A pole-mount socket receptacle is integrated into the cabinet and allows mounting the enclosure on top of an SB18m subwoofer.

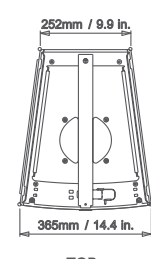
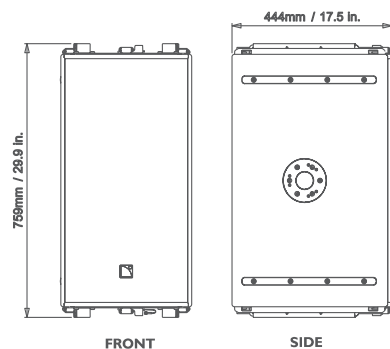
The ARCS® FOCUS operates over a nominal frequency range of 55 Hz to 20 kHz. This response can be extended down to 32 Hz with the SB18m subwoofer. The DOSC® HF waveguide generates a 15° x 90° symmetric directivity pattern.

Coupling bars allow arraying ARCS® FOCUS enclosures as a line with constant curvature, either vertically or horizontally. The DOSC® waveguide in the HF region allows the system to be arrayed without breaking the inter-element acoustic coupling. The WST® criteria are then fulfilled, so that such an array can be qualified as a true line source. Any WST® line source provides a smooth tonal response and a coverage that is free of secondary lobes over the entire frequency range.

The ARCS® FOCUS is driven and amplified by the LA4 or the LA8 controller. These ensure system linearization, protection, and optimization for the loudspeaker system.



<b>Usable bandwidth (-10dB)</b>	55 Hz - 20 kHz ([ARCS WIFO] preset)	
<b>Nominal directivity (-6dB)</b>	15° x 90° symmetric	
<b>Maximum SPL<sup>1</sup></b>	137 dB ([ARCS WIFO] preset)	
<b>RMS power handling capacity</b>	450 W ([ARCS WIFO] preset)	
<b>Components</b>	LF: 1 x 12" weather-resistant HF: 1 x 3" diaphragm compression driver Nominal impedance: 8 ohms	
<b>Rigging<sup>2</sup> (BGV-C1 compliant)</b>	WIFOLIFT	certified for 4 ARCS® WIDE or FOCUS horizontal array
	WIFOBUMP	certified for 8 ARCS® WIDE or FOCUS vertical array
<b>Pole-mount socket</b>	WIFOSOCK	certified for 1 ARCS® WIDE or FOCUS
<b>Clamp accessory</b>	CLAMP250	certified for 6 ARCS® WIDE or FOCUS
<b>Physical data</b>	W/w x H x D	365/252 x 759 x 444 mm 14.4/9.9 x 29.9 x 17.5 in
	Weight (net)	38 kg/84 lbs
	Connectors	2 x 4-point SpeakON®
	Cabinet	Baltic birch plywood
	Finish	Grey brown, RAL 8019® or Pure white, RAL 9010®
	Custom Finish	RAL code on special order
	Front	Steel grill with anti-corrosion coating Ainet® acoustically neutral fabric
	Rigging	High strength steel
	Protection rating	IP 45



1 Peak level measured at 1m under free field conditions using 10 dB crest factor pink noise with specified preset and corresponding EQ settings.

2 Mechanical data and limits for installation are specified in SOUNDVISION software which is designed to help with LACOUSTICS® product implementation.