



ARCS WIDE

CONSTANT CURVATURE WST® ENCLOSURE

The **ARCS® WIDE** is a constant curvature WST® enclosure. Within the ARCS® WIDE and FOCUS family, it is designed to generate a wide coverage with few arrayed elements.

The ARCS® WIDE 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.

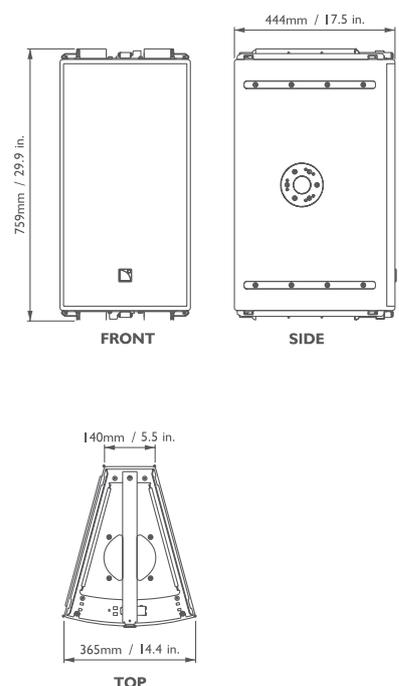
The ARCS® WIDE operates over a nominal frequency range of 55 Hz to 20 kHz. This response can be extended down to 32 Hz with the SB18m subwoofer. The DOSC® HF waveguide generates a 30° x 90° symmetric directivity pattern.

Coupling bars allow arraying ARCS® WIDE 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® WIDE is driven and amplified by the LA4 or the LA8 controller. These ensure system linearization, protection, and optimization for the loudspeaker system.



Usable bandwidth (-10dB)	55 Hz - 20 kHz ([ARCS WIFO] preset)	
Nominal directivity (-6dB)	30° x 90° symmetric	
Maximum SPL¹	135 dB ([ARCS WIFO] preset)	
RMS power handling capacity	450 W ([ARCS WIFO] preset)	
Components	LF: 1 x 12" weather-resistant HF: 1 x 3" diaphragm compression driver Nominal impedance: 8 ohms	
Rigging² (BGV-C1 compliant)	WIFOLIFT	certified for 4 ARCS® WIDE or FOCUS horizontal array
	WIFOBUMP	certified for 8 ARCS® WIDE or FOCUS vertical array
Pole-mount socket	WIFOSOCK	certified for 1 ARCS® WIDE or FOCUS
Clamp accessory	CLAMP250	certified for 6 ARCS® WIDE or FOCUS
Physical data	W/w x H x D	365/140 x 759 x 444 mm 14.4/5.5 x 29.9 x 17.5 in
	Weight (net)	36 kg/79 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 L-ACOUSTICS® product implementation.