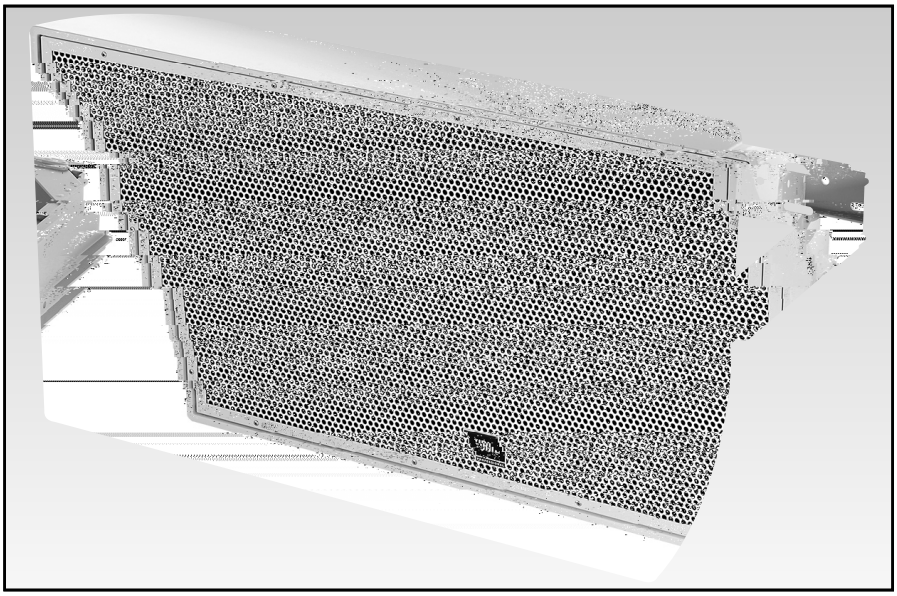


- Weather-Resistant, All Fiberglass Enclosure
- EN54-24 Compliant
- 90° x 50° Coverage
- 2265H Differential Drive® Low-Frequency Driver
- 2432H High Frequency Compression Driver
- Large PT™ Progressive Transition waveguide for excellent pattern control and low distortion
- Rotatable wave guide for vertical or horizontal orientation
- Available in Gray and Black finish
- 400 W, 70/100V Transformer Included
- U-type Mounting Bracket Included

- Sports Facilities
- Themed Entertainment Venues
- Outdoor Entertainment Centers
- Cruise Ships
- Water Parks

The AW595-LS is a high power, lightweight, 2-way, full-range loudspeaker system comprised of the JBL Differential Drive dual voice coil and dual magnetic gap 2265H 380 mm (15 in) low-frequency driver and 2432H high-frequency 38 mm (1.5 in) exit, 75 mm (3 in) voice-coil compression driver. The large format Progressive Transition wave-guide provides excellent 90° x 50° coverage. The waveguide is rotatable so the loudspeaker system can used in either the vertical or horizontal orientation. The system can be operated as an 8-ohm device and is equipped with a 400W transformer for 70/100V applications.

A corrosion-resistant extra-thick zinc-plated polyester powder coated U-type mounting bracket is included.

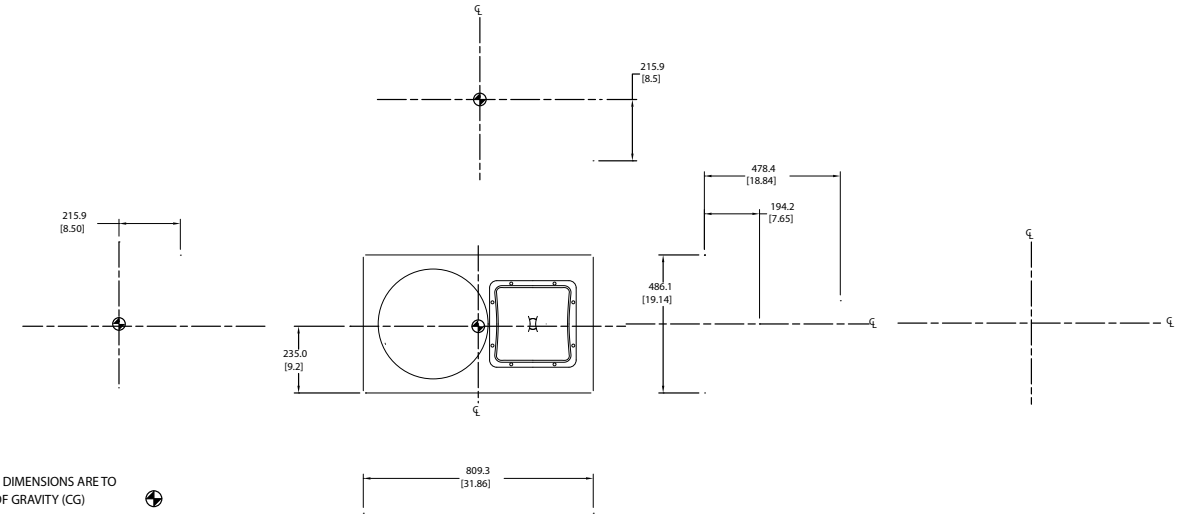
The enclosure is constructed of multilayer glass composite and is heavily braced to maximize low-frequency performance. The 16-gauge stainless steel grille, backed with open cell foam and stainless steel mesh, provides excellent protection in the harshest environments.

The AW595-LS is part of JBL's AE Series, a versatile family of loudspeakers intended for a wide variety of applications.

System:				
Frequency Range (-10 dB):	41 Hz – 20 kHz			
Frequency Response (±3 dB):	88 Hz – 19 kHz			
Coverage Pattern:	90° x 50°, rotatable waveguide			
Coverage Angle:	500 Hz	1000 Hz	2000 Hz	4000 Hz
Horizontal:	136°	127°	96°	99°
Vertical:	106°	87°	64°	40°
Directivity Factor (Q):	12.6			
Directivity Index (DI):	11 dB			
Crossover Frequency:	1.2 kHz			
Long-Term System Power Rating (IEC)[1]:	400 W (1600 W peak), 100 hrs			
Maximum SPL[2]:	127 dB-SPL cont avg (133 dB peak)			
Maximum SPL (@ 4m):	113.34 dB			
System Sensitivity (1W @ 1m)[3]:	100 dB SPL			
Sensitivity (1W @ 4m):	88.43 dB SPL			
70V / 100V Transformer Taps[4]:	70V: 400 W, 200 W, 100W 100V: 400W, 200W			
Transducers:				
Low Frequency Driver:	1 x JBL 2265H 380 mm (15 in.) Differential Drive® driver with 75 mm (3 in) dual voice coil			
Nominal Impedance:	8 ohms			
Sensitivity[5] (1W @ 1m, within operational band):	98 dB SPL			
High Frequency Driver:	JBL 2432H, 38 mm (1.5 in) exit compression driver, 75 mm (3 in) voice coil			
Nominal Impedance:	8 ohms			
Sensitivity[6] (1W @ 1m):	113 dB SPL			
Waveguide:	PT-H95HF-1			
Physical:				
Enclosure:	Hand-Laminated Fiberglass, gray gelcoat (similar to Pantone 420C), available in black (-BK)			
Suspension Attachment:	2 x M10 for Included U-Bracket, 2 x M6 for aiming stabilization, 1 x M10 on rear for safety.			
Grille:	Three layer grille assemblies consisting of 16-gauge powder coated stainless steel, backed with open cell foam and stainless steel mesh.			
Input Connector:	CE-compliant covered barrier strip terminals. Barrier terminals accept up to 5.2 sq mm (10 AWG) wire or max width 9 mm (.375 in) spade lugs.			
Environmental Specifications:	IP55C per IEC 529			
Dimensions (H x W x D in horizontal cabinet orientation):	485 x 810 x 478 mm (19.1 x 31.9 x 18.8 in)			
Net Weight:	28.3 kg (62.5 lb)			

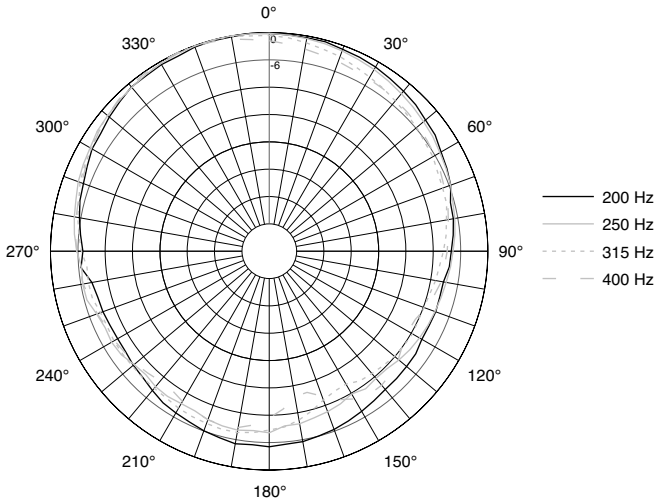
[1]IEC standard, full bandwidth pink noise with 6 dB crest factor, 100 hours.
[2]Calculated based on power rating and sensitivity, exclusive of power compression.
[3]Anechoic sensitivity in free field, no additional sensitivity gain from boundary loading.
[4]Per EN54-24 Components of voice alarm system - loudspeakers 70V/400W (35V RMS, 70V peak), 100V/400W (50V RMS, 100V peak)

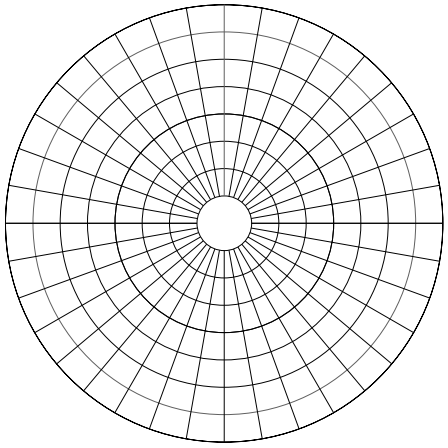
JBL continually engages in research related to product improvement. Changes introduced into existing products without notice are an expression of that philosophy.



9 INDICATED DIMENSIONS ARE TO CENTER OF GRAVITY (CG)

Horizontal 1/3 Octave Polars





Vertical 1/3 Octave Polars