RADIAPRO
The Power of Clarity

Pro-32B
Pro-32W
Pro-32BA
Pro-32WA
(Patent Pending)

FULL RANGE CO-PLANAR RIBBON ARRAY LOUSPEAKER SYSTEM

Description

The **Radia Pro Pro-32** co-planar ribbon array systems are a breakthrough in high performance compact line array loudspeaker technology. The patented ribbon planar drivers incorporated in the Pro-32 system provide various options for vertical dispersion allowing for versatile system configuration for a variety of applications.

The modular concept of the Pro-32 permits extreme cost effective design solutions with the ability to stack multiple Pro-32 modules as needed to increase vertical coverage, throw distance and low frequency pattern control.

The **Pro-32B** and **Pro-32W** concept is based on a woofer line array front mounted on aluminum extruded durable enclosure with coaxially positioned ribbon tweeter array. The LF section consists of 6 x 5.25" (13.34 cm) drivers, while the tweeter array consists of 9 x 3" (7.62 cm) proprietary ribbon planar drivers.

Pro-32B – Black Enclosure
Pro-32W – White Enclosure

The **Pro-32BA** and **Pro-32WA** concept incorporates ***internally articulated*** ribbon driver elements permitting wider vertical dispersion at one end of the array.

Pro-32BA – Black - Articulated
Pro-32WA – White - Articulated

Threaded inserts on the back of the enclosure permit mounting options. All four versions of the co-planar array systems are usable for extreme weather conditions.

Features

¦ Proprietary planar ribbon high frequency line source system with unsurpassed sound quality.

¦ True line source behavior (cylindrical wave radiation) due to precise coupling of transducers.

¦ **3** dB loss per doubling of distance in the critical vocal range and above as apposed to the 6 dB loss of conventional point source loudspeakers.

¦ Greatly restricts vertical spreading of sound field thus reducing ceiling and floor reflections – dramatically improving direct to reverberant ratios – resulting in increased speech intelligibility.

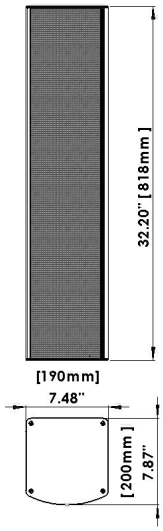
¦ Extremely wide 120 degree horizontal coverage.

¦ Plug and play system. No processor required.

Applications

- Multimedia
- Cruise Ships
- Auditoriums
- Museums
- Courts of Law
- Cinemas
- Performing Arts Centers
- Houses of Worship
- Hotel Meeting Rooms
- Conference Centers
- Sports Facilities
- Theme Parks
- Mass Transportation

.....and many more



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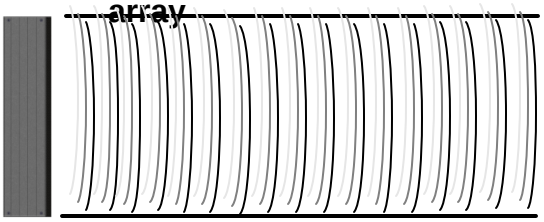
Rev 2/07

PRODUCT SPECIFICATIONS Pro-32B / Pro-32W and Pro32BA / Pro-32WA	
Operating Range (1/2 space conditions)	80 Hz to 20 kHz
Sensitivity [1] (1 W/ 1 m)	94 dB
Horizontal Coverage Angle [2] (-6 dB)	120 Degrees
Vertical Coverage Angle	Pro-32B, Pro-32W – defined by height of the array Pro-32BA, Pro-32WA – 5 degrees
Power Handling [3]	300 Watts RMS
MAX SPL (calculated @ 1 Meter)	118 dB Cont / 124 dB peak [4]
Recommended Amplifier Power for Max Output	600 Watts
Nominal Impedance	6 Ohms
Crossover Frequency	Internal Passive at 2000Hz
Transducers – High Frequency -- Low Frequency	9 x 7.62 cm Planar Ribbon Drivers (NEO-3) 6 x 13.34 cm Long throw Polycarbonate cone woofers
Input Connections	NL4 / Barrier Strip
Dimensions	H - 81.9 cm, W – 19.1 cm, D – 20 cm
Enclosure	Extruded Aluminum
Weight	13.6 Kg
Mounting	4 threaded inserts for mounting hardware 1 position using 4 threaded insert for 3rd party hardware [5]
Optional Accessories	940230 Enclosure to Enclosure Coupling Brackets – Black 940231 Enclosure to Enclosure Coupling Brackets - White
Finish Options	Textured power coating in black or white (white paintable)

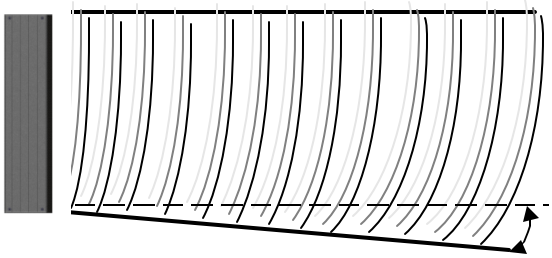
1. Full bandwidth pink noise is applied and amplified to a level and measured at the loudspeaker terminals – corresponding to 1 W as referenced to the loudspeakers nominal impedance. SPL is measured in an anechoic environment in the loudspeakers far field. Data is extrapolated to 1 Meters distance from the loudspeaker. Please note that the predicted device SPL at distance using inverse square law calculates will produce inaccurate results due to cylindrical wave radiation.
2. Averaged from 500Hz to 8kHz
3. Conforms to AES2 – 1984 (r1997) method
4. Radia Pro ribbon technology has the ability to produce double the peak capacity (12dB) above the RMS value to that of conventional transducers. 12dB peaks with durations of 200msec. are possible. This means better transient response without power compression.
5. When two or more Pro-32's are fastened together using the coupling brackets (optional accessory) the rear bottom pair of attachment points align with the rear top pair of the enclosure below and create an additional 3rd party bracket mounting point.

System Dispersion ispersion

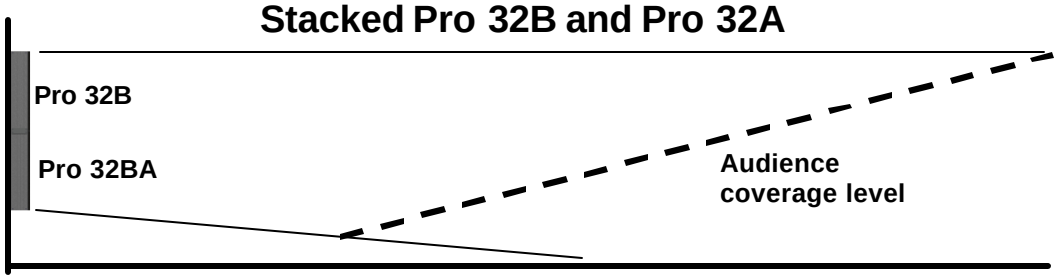
Pro 32B - Straight line array



Pro 32BA - Articulated array



Typical system application
Stacked Pro 32B and Pro 32A



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