



technical specifications LR28B

general

- High-performance line-array LFE system for larger applications
- Stackable and flyable with LR28 line-array or in separate curved arrays
- Maximum deployment flexibility also in cardioid - and end-fire arrays
- Neodymium dual-coil 18" drivers with lowest possible distortion
- SIS™ pre-wired for very high system damping and further reduced distortion
- Front-positioned NL4 connector for easy cardioid connection



description

The LR28B is the dedicated low-frequency extension to the LR28 pro-ribbon line-array. It can also be combined with any other Alcons pro-ribbon system, in both permanent and portable applications.

The front-loaded system delivers a super accurate bass and sub response with highest output under lowest distortion, due to the super long-stroke 18" woofers. This new-generation transducer is fitted with a large, dual- 4.5" voice-coil Neodymium motor, enabling a significantly-extended excursion*, while maintaining a high sensitivity. Specific attention in this design has been paid to obtain lowest possible distortion, as a perfect match with the pro-ribbon systems. The centrally-located X-Venting™ port design combines further increased output with low power compression. *(not included in SPLpeak spec).

The LR28B can be used as single subwoofer or in multiples; As end-fire or cardioid array; Together with LR28 or in separate sub-only arrays.

All functionality is possible in stacked or flown configurations bringing ultimate deployment versatility.

Rated for a high WorkingLoadLimit with 1:10 safety ratio, the versatile rigging system, with front and rear splaying possibility, enables straight or pre-curved flown (cardioid) arrays, to be flown above, besides or behind an LR28 (or any other) line-array.

Array configurations can be simulated through the LR28 GLL in the Alcons Ribbon Calculator (ARC), Alcons' high-resolution 3D simulation program.

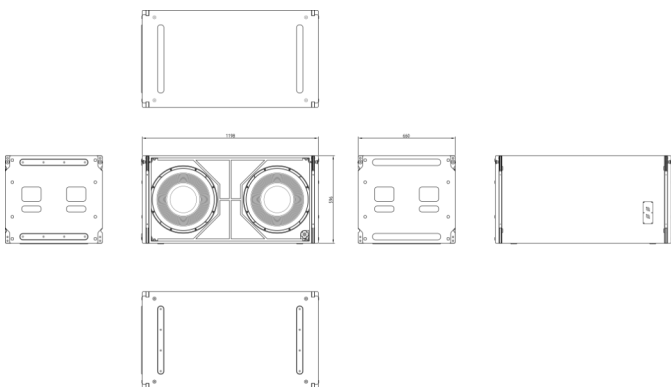
Mobile (cardioid) stacks of up to 3 units can be transported through the PRRGLR28B pre-rig, including stack-specific softcover.

For full system performance, the LR28B is to be driven and controlled by the ALC amplified loudspeaker controller; Driven by the ALC, the LR28B delivers full operation flexibility, maximum sound quality and output power with long-term operation reliability.

The Signal Integrity Sensing™ pre-wiring ensures complete cable/connector compensation between the LR28B and ALC, significantly increasing response accuracy and reducing both linear and non-linear distortion to an absolute minimum, regardless of cable length and system impedance.

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dimensional drawing



technical specifications

| | | |
|---------------------|---|-------------|
| Frequency response | 34 Hz - 200 Hz | (+/- 3 dB) |
| | 29 Hz - | (+/- 10 dB) |
| Sensitivity nominal | 103 dB (40 - 100 Hz) | |
| Nominal impedance | 4 ohms | |
| Recommended drive | Sentinel10, max. 1 pce. per channel (4 ohms) | |
| Nominal SPL peak | 131 dB (Sentinel3 40 - 100 Hz) | |
| | 137 dB (Sentinel10 40 - 100 Hz) | |
| | 142 dB (comparative) | |
| Dispersion H x V | omni / (hyper)cardioid in array with processing | |

physical specifications

| | | |
|---------------------|-----------------------------|-----------|
| System | Subwoofer | |
| Drivers LF | 2x AW18.452ND-8 18", vented | |
| Connectors | 3x Speakon NL4 input/link | |
| Physical dimensions | mm | inches |
| | Height | 596 23.4 |
| | Width | 1200 47.2 |
| Depth | 660 26.0 | |
| Weight (approx.) | kg | lb |
| | 85 | 187.4 |
| Warranty | 6 years limited | |

A: Alcons Audio
De Corantijn 10
1689 AP ZWAAG
The Netherlands

E: info@alconsaudio.com
W: www.alconsaudio.com
T: +31 (0)229 28 30 90