### **Uniline Series**

# **UL210D**

### Line Array downfill and mid throw elements

Three acoustic ways 2 x 10" neodymium (w/2" voice coil) 6,5"+ 1" neodymium HF divers, coaxially mounted

### **Features**

Very wide horizontal coverage Progressive vertical index directivity Limited weight Full acoustical and mechanical compatibility with UL210

### **Applications**

Short and mid throw coverage UL210 down fill reinforcement Wide venues and listening areas

80 Hz - 19 kHz (wide band mode)

LO/MID: 800 W AES

99 dB SPL @ 1W at 1m

MID/HI: 300 W AES

108 dB SPL @ 1W at 1m

Max SPL@ 1m 137 dB

10.4" x 27.6" x 23" (264 x 700 x 584 mm)

Bi-amplified operation Digital processor mandatory

The UL210D Uniline "line array" incorporates 3-way bi-amplified system design. Twin 10" loudspeakers loaded in compression serve Lo/Mid bandwidth between 80 Hz and 450 Hz. Mid/Hi coherency comes from coaxially aligned 6,5" and 1" The mid-range 6,5" speaker displays ultra-low distortion and extends from 450 Hz to 4 Khz. The 1" HF driver operates smoothly from 4 Khz to 19 KHz. The two Neodymium drivers are mounted coaxially and loaded with an ISOTOP10™ waveguide. This assembly consists in an annular horn and iso-phase technology to achieve acoustic impedance adaptation and performance that is comparable to traditional compression drivers, but with greatly increased bandwidth and power handling. Directivity control, compression and transducer phase alignment are all established through the UL210's advanced acoustic horn.

The mechanical rigging system is totally integrated and fully identical to the UL210 speaker. It allows use of Uniline both in flown and stacked installation. Six recessed handles allow UL210 enclosures to be easily handled during transport, rigging and

Use of an APG digital processor is required. The processing and amplification system of UL210 and UL210D are independent.



Uniline downfill speaker UL210D

The UL210D speaker has been first developed as a complement to a UL210 based main line array system. The UL210D are designed to be used as a short and medium throw system of its own, or as downfill speakers of a UL210 based system at the bottom of the cluster, or as front fill if put in front for the stage for large stages.

Thanks to its 105° acoustic horizontal opening with constant directivity, the UL210D enables to cover the near field area without any compromise, even on very large stages.

The UL210D is equipped with the same type of loudspeakers, in order to provide with a perfectly equivalent sound restitution, fully compatible with UL210. The ISOTOP10™ is identical to the UL210 in order to guarantee a continued acoustic line.

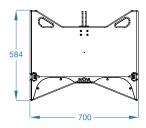
The rigging and transport system of UL210D is identical to UL210. The UL210D is significantly lighter than UL210.

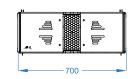
For shorter throw and wider acoustic coverage applications, the UL210D speakers can be used as main system, in large band for vocal applications and combined with UL115B and/or TB subs for musical applications.

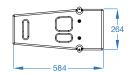


## **UL210D**

### Technical specifications







Features	UL210D
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	lo/mid	mid/high
Frequency response, 2 way (1)	80 - 450 Hz	0,45-19 kHz
Frequency response, 3 way (1)	{80 - 120} - 450 Hz	0,45-19 kHz
Frequency response, 4 way (1)	{80 - 120} - 450 Hz	0,45-19 kHz
Efficiency 1W @ 1m	101 dB SPL	105 dB SPL
Max level @ 1m	124 dB SPL	129 dB SPL
Peak level dB SPL @ 1m	133 dB SPL	
Directivity, angles to -6 dB (2)	105 °H	105 °H x 10 °V
Nominal Impedance	8 Ohm	16 Ohm

### **Enclosure Components**

Transducers	2 x 10"	1x6.5"/1xHF1" coaxially mounted
Coil diameters of	50 mm	50 mm (2") & 45 mm (1.75")
Type of load	Bass Reflex	Isotop™ driver and horn

### **Power Requirements**

Recommended amplifiers (3)	500 to 1000 W	300 to 600 W
Peak	1500 W	900 W
AES (4)	500 W	300 W

### Construction and characteristics

Multiple Enclosures	15 mm birch
Coating	Black aquarethane, impact-resistant finish
Front finish	2 mm, acoustically transparent, perforated grill
Connectors	2 x Speakon NL4MP (5)
Handles	6 x internally recessed hand-holds
Rigging System	Captive 3-point steel
Dimensions (H, L, W)	10.4" x 27.6" x 23" (264 x 700 x 584 mm)
Net weight per enclosure	74 lb (34 kg)

#### Options et Accessories

Options of Accessories	
FCUL210DV2	Flight case for 2 x UL210D enclosures in vertical
ULTRUSS	Truss versatile lifting and use raised
FC2ULTRUSS	Flight case for 2 x ULTRUSS

### Signal Processing

The dedicated APG processors allow combination of different types of subwoofers with top speakers. These processors provide with active crossover, EQ, speakers protection, standard filtering functions for a stereo system including subwoofers. For digital processors, APG provides an exhausted bank of presets of system configuration allowing creative, quick and secure deployment and offering a high level of stock modularity and compatibility.



YEARS "A five years warranty covers passive filters, transducers and compression to cover years and the second transducers are less literature.

