



Modular Acoustics.

The pinnacle of luxurious acoustical design.

DIFFUSE Elite is the culmination of ease in acoustical engineering, comprising the advanced acoustical features of DIFFUSE Signature and DIFFUSE High into one seamless product. Designed to equip engineers with unlimited design capabilities, DIFFUSE Elite allows unlimited combinations and acoustical results with one, cohesive acoustical array system. For architects and designers, DIFFUSE Elite offers the foremost description of luxurious wood finishes and brilliantly appointed architectural hardware.

Features:

Applications: Performance spaces, auditoria, recital halls, lecture halls, band practice facilities, orchestra pits, recording studios, recording control rooms, broadcast studios, production and post production facilities, critical listening rooms, home theaters, conference rooms and public spaces.

Size: Available in 2' x 2' panels. Depths vary with standoff lengths; combinations as shallow as 4" and as deep as 7".

Finish: Available in an unlimited variety of hardwood species; paintable; stainable; MDF.





Design:

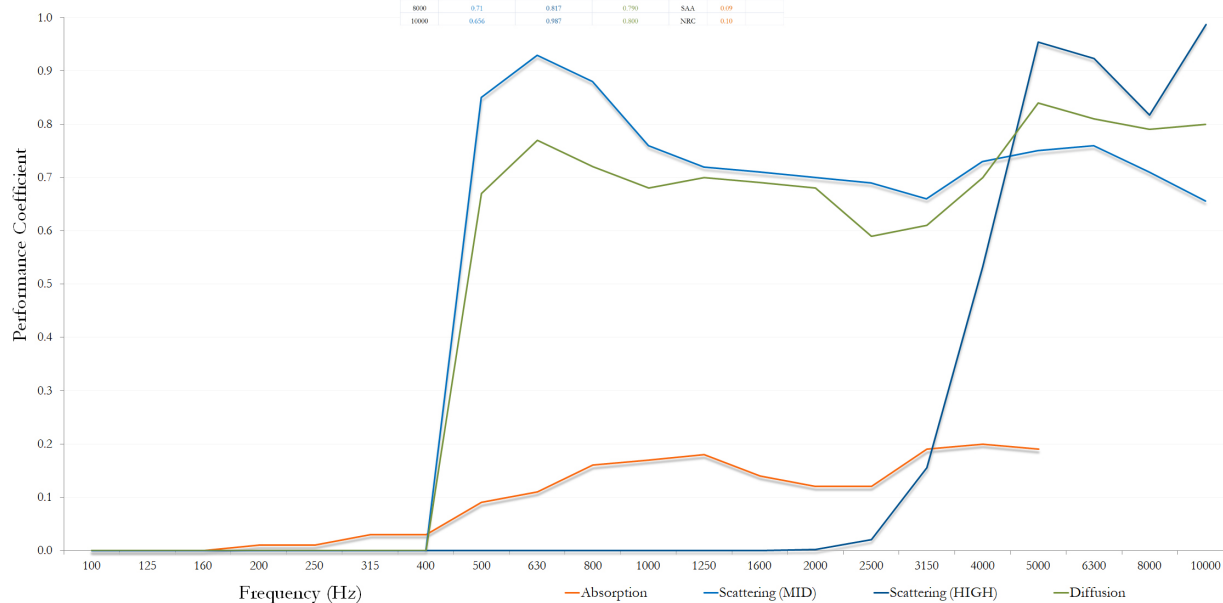
Modular optimized number theory based aperture diffraction grating with stepped quadratic residue high frequency facia

Effective Bandwidth:

600 - 12000hz

Acoustical Properties:

f (Hz)	ISO - 17927-2			ASTM - C423a	
	Mid Bandwidth	High Bandwidth	Full Bandwidth	Absorption	
100	0.00	0.000	0.000	0.00	
125	0.00	0.000	0.000	0.00	
160	0.00	0.000	0.000	0.00	
200	0.00	0.000	0.000	0.01	
250	0.00	0.000	0.000	0.01	
315	0.00	0.000	0.000	0.03	
400	0.00	0.000	0.000	0.03	
500	0.81	0.000	0.670	0.09	
630	0.93	0.000	0.770	0.11	
800	0.88	0.000	0.720	0.16	
1000	0.76	0.000	0.680	0.17	
1250	0.72	0.000	0.700	0.18	
1600	0.71	0.000	0.690	0.14	
2000	0.70	0.001	0.680	0.12	
2500	0.69	0.020	0.590	0.12	
3150	0.66	0.153	0.610	0.19	
4000	0.73	0.153	0.700	0.20	
5000	0.73	0.954	0.840	0.19	
6300	0.76	0.923	0.810		
8000	0.71	0.817	0.790	SAA	0.09
10000	0.656	0.987	0.800	NRC	0.10

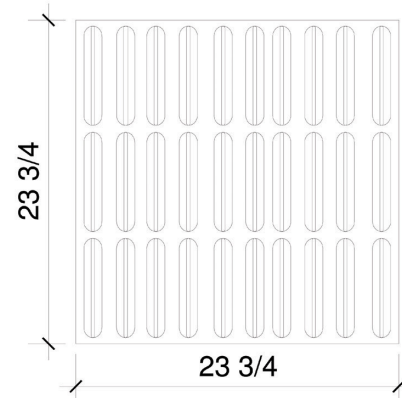


Architectural Properties

Available sizes: 23 3/4" x 23 3/4" (2' x 2' nominal)

Available standoff lengths: Signature section: 1", 1 3/4", 2 1/2"
High section: 3/4", 1", 1 3/4", 2 1/2"

Available materials: Various species of hardwood, stained, painted, MDF



Available finishes:

DIFFUSE Elite is available in a wide variety of materials and finishes. Below are a few of the hardwood and laminate colors that are available. Colors displayed here are only a small sample of available colors. Please visit our website or contact us for a complete listing of colors or for samples of materials. Colors here are for illustrative purposes only. Actual colors and tints may vary. Hardwoods will vary based on harvest and other natural variables.



Hard Rock Maple



Beachwood



Wilson Cherry



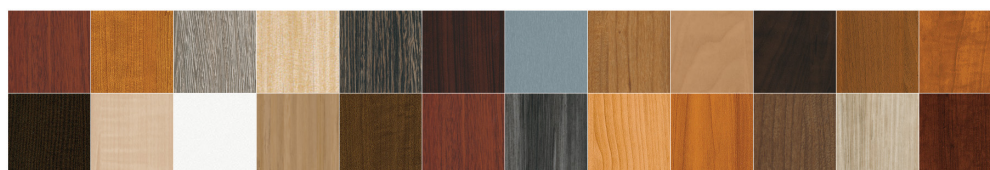
Pacaya



Lauren Mahogany



Orissa Cherry



ARITHMETIC

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