



Solus

Ceiling Clouds

Premier Collection

Solus ceiling clouds consist of interlocking baffles that create pockets for sound absorption within the hexagonal form. Use this product to manage the acoustic experience anywhere you want to make quiet.

Specifications

Surface	Ceiling
Material	FilaSorb™ polyester felt
Thickness	1/2", 12mm (±10%)
Weight	0.49 lb./ft ² (±10%)
Standard Sizes	Width: 48" W Length: 40, 52, 64" L <i>Height ranges from end-to-end (2:1)</i> Height A: 4" up to 6" H (1" increments) Height B: 8" up to 12" H (2" increments) <i>Custom sizes available</i>



Solus Ceiling Cloud in Pearl

Technical

NRC Rating	0.85, 200mm air gap 0.80, 400mm air gap
Fire Test	ASTM E84, Class A Flame spread index: 15 Smoke developed index: 200
Water Sorption	ASTM C1104-2019 (A Modified) Water sorbed by weight: 0.20% (based on a 12mm thick panel)
Colorfastness	ISO 105-B02, 6-7

Details

Lead Time	3 – 6 weeks
Origin	Manufactured and assembled in the US
Warranty	Product: 20 years* Colorfastness: 20 years*

* Conditions apply

Environmental

Recycled Content	Minimum 60%
Energy	Generated using 40% solar energy
Indoor Air Quality	VOC less than/equal to 0.5mg/m3
Recyclable	100%*
Certifications	Health Product Declaration (HPD)** Environmental Product Declaration Declare Certification - LBC Red List Free (third-party verified) SCS Global Indoor Advantage Gold

* PET is recyclable through participating partners.

** HPD only applies to 12mm thickness.



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Call **800.966.8557** with questions or visit **acoufelt.com** for more product information, downloads, and colorways.

Colorways

PREMIER

							
White WH12	Almond AL55	Celery CE65	Sencha SE58	Metal ME03	Flamingo FL61	Quartz QU67	Turmeric TU60
							
Platinum PL04	Pearl PE21	Pistachio PI25	Thistle TH28	Stonewash ST72	Amethyst AM69	Valentine VA70	Wheat WH68
							
Grey GR02	Ivory IV11	Eucalyptus EU71	Peacock PE20	Periwinkle PE23	Lilac LI13	Peach PE19	Popcorn PO26
							
Slate SL27	Umber UM54	Wasabi WA29	Sea Salt SE57	Marine MA15	Berry BE06	Peppercorn PE22	Carrot CA08
							
Charcoal CH01	Walnut WA56	Oregano OR18	Azure AZ05	Iris IR10	Flint FL64	Shiraz SH63	Currant CU59
							
Piano Black PI24	Midnight MI16	Kale KA12	Denim DE09	Granite GR62			

Order samples at acoufelt.com/colorways

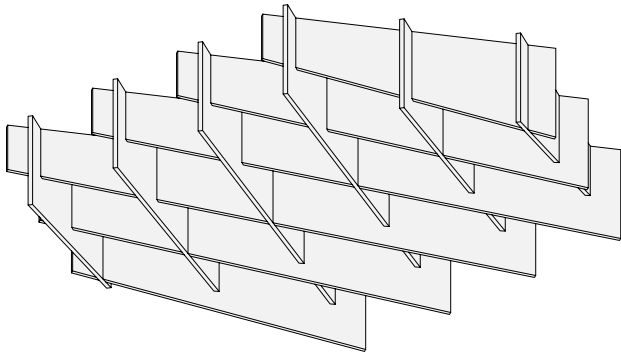
Sizes

Standard Sizes Width: 48" W
 Length: 40, 52, 64" L
Height ranges from end-to-end (2:1)
 Height A: 4" up to 6" H (1" increments)
 Height B: 8" up to 12" H (2" increments)
Custom sizes available

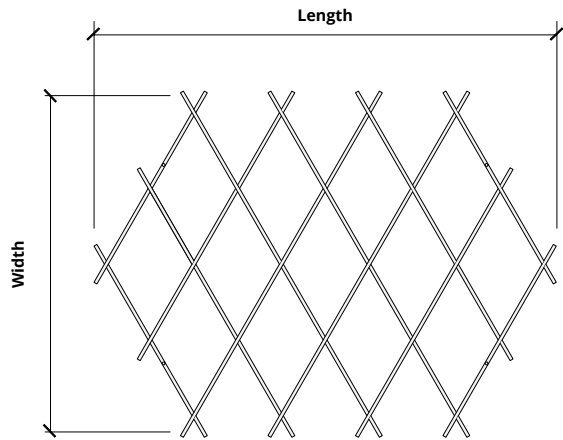
Thickness 1/2", 12mm (±10%)

Height A	Height B
4"	8"
5"	10"
6"	12"

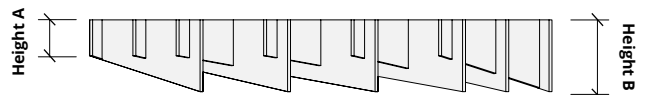
Perspective



Plan



Elevation

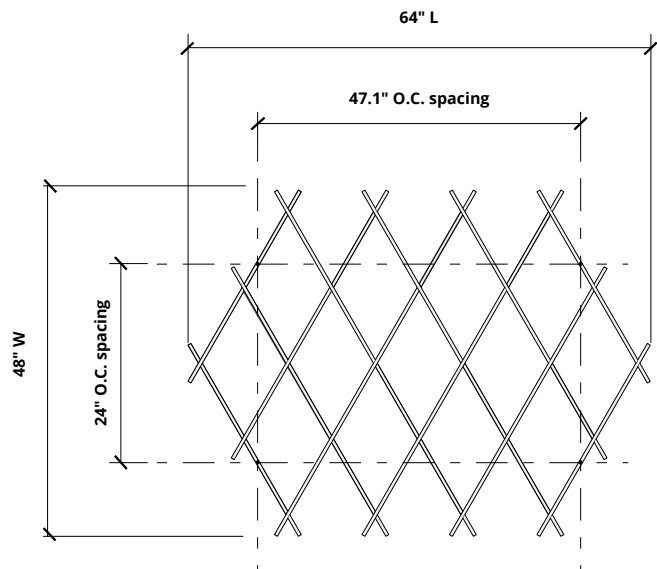
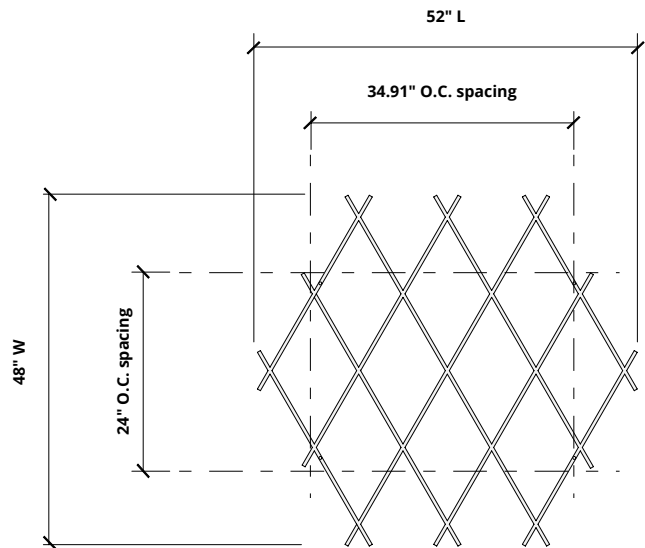
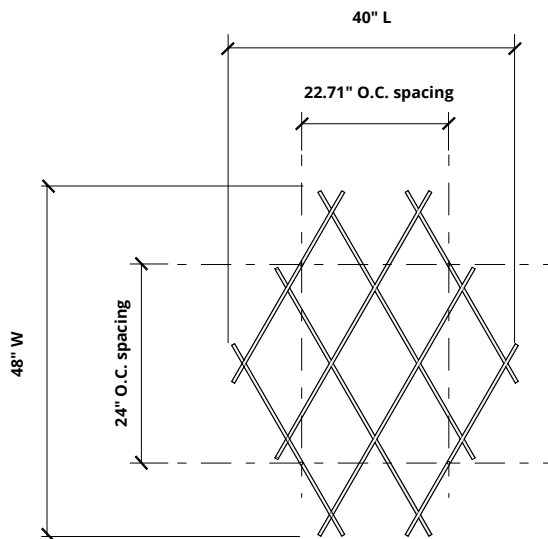


24mm
thickness



Hardware Spacing

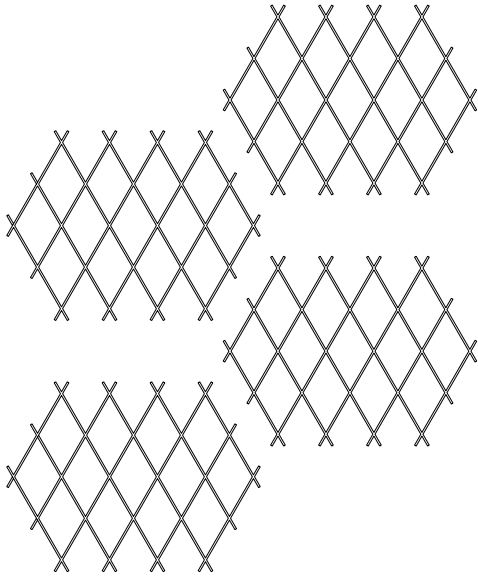
48" W	24" on center spacing
40" L	22.71" on center spacing
52" L	34.91" on center spacing
64" L	47.1" on center spacing



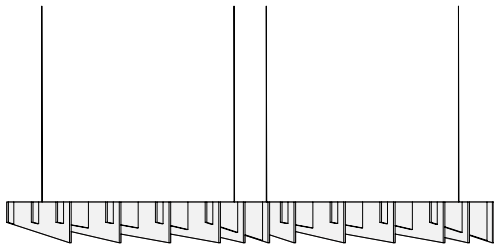
Recommended Layouts

Layout 1

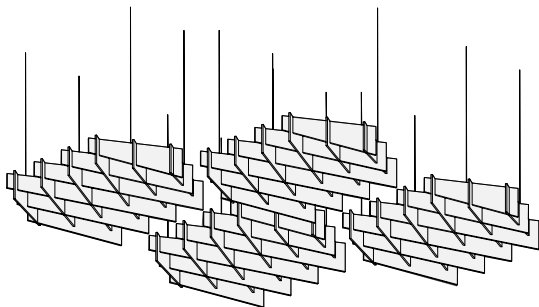
Plan



Elevation

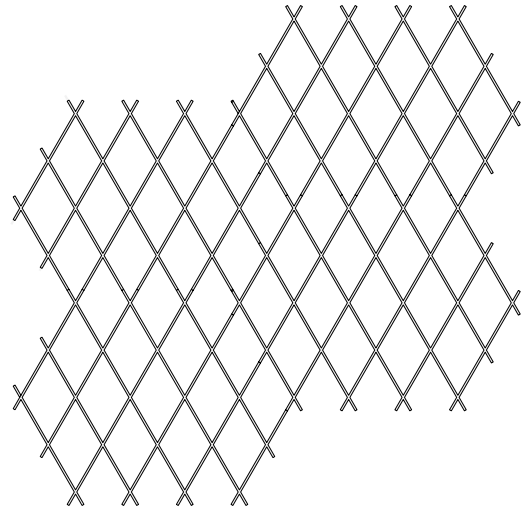


Perspective

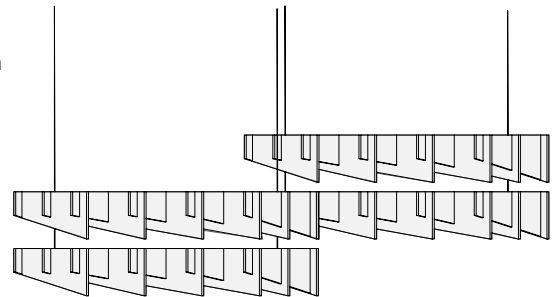


Layout 2

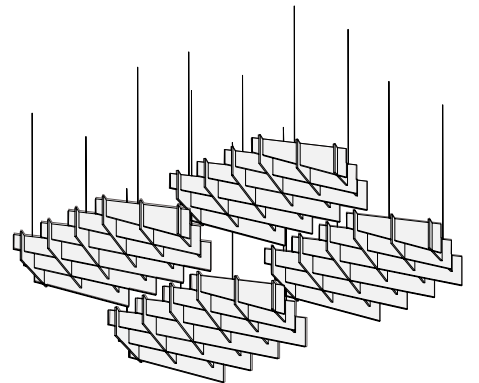
Plan



Elevation

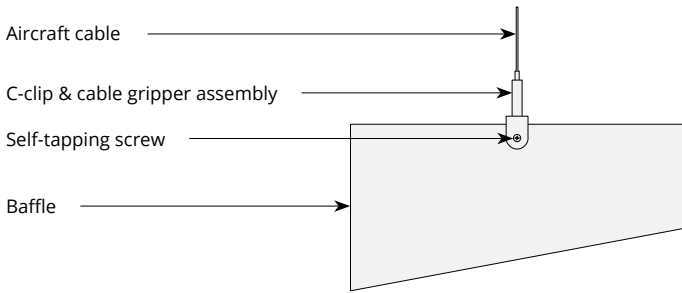


Perspective

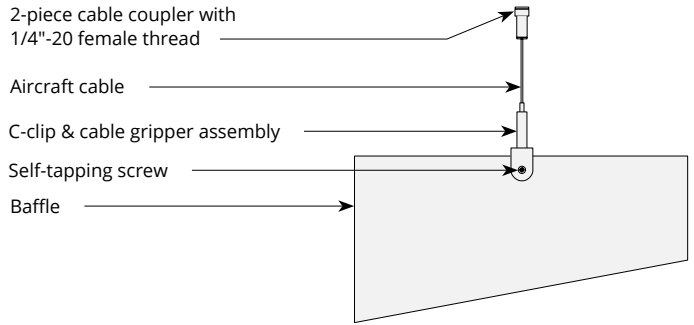


Mounting Methods

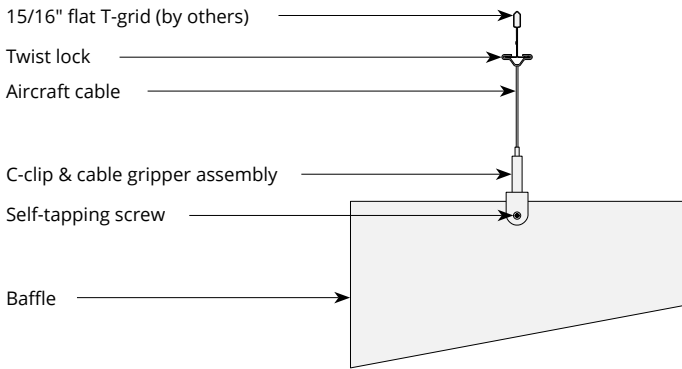
Cable



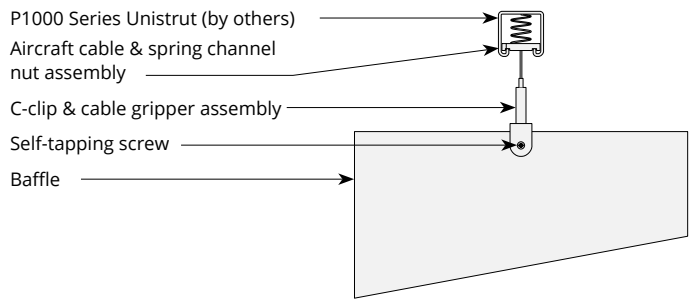
Cable to deck



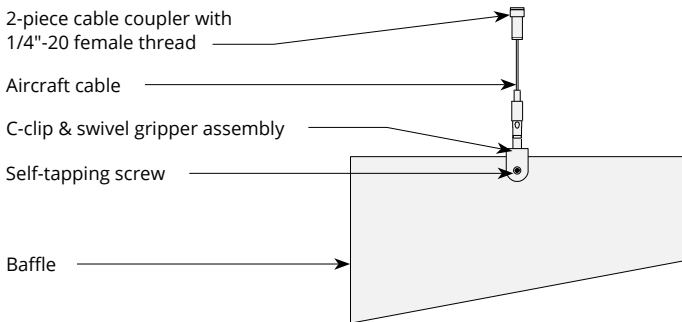
Cable to T-grid



Cable to Unistrut

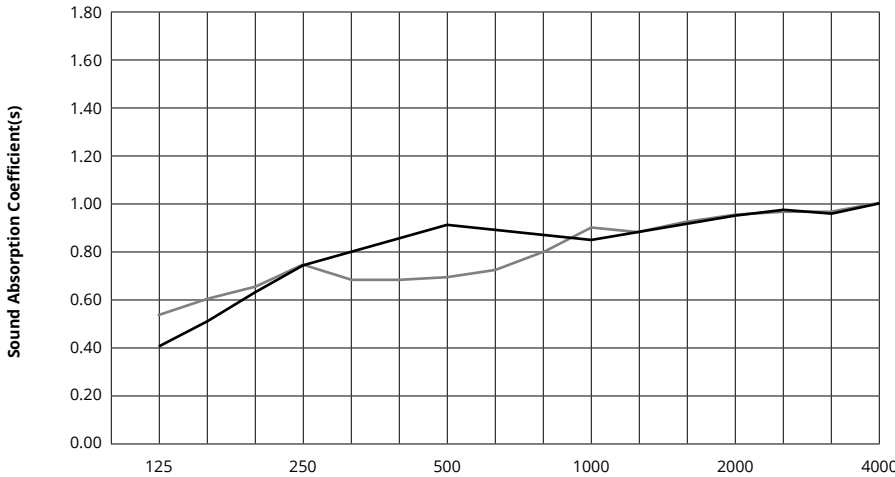


Swivel cable to deck



Acoustic Performance

Test Method	ISO 11654-2002
Install Method	E200, E400
Rating Method	ASTM C423-09a
Test Results	NRC 0.85, 200mm air gap SAA 0.86, 200mm air gap NRC 0.80, 400mm air gap SAA 0.83, 400mm air gap



	Frequency f (Hz)	125	250	500	1000	2000	4000	NRC
	12mm, 200mm air gap	0.40	0.75	0.90	0.85	0.95	1.00	0.85
	12mm, 400mm air gap	0.55	0.75	0.70	0.90	0.95	1.00	0.80

What is a Noise Reduction Coefficient (NRC)?

You'll find the NRC rating in the specifications of all of our products. This acronym stands for Noise Reduction Coefficient, and is expressed as a single number, a rating that describes the degree to which acoustic products can absorb sound.

You can use NRC values to understand the overall performance of our acoustic wall and ceiling products. The higher the NRC, the better the product is at soaking up the sound.

Performance Indices: Noise Reduction Coefficient (NRC) results represent the absorption coefficients measured at the one third octave bands at 125, 250, 500, 1000, 2000 and 4000 Hz rounded to the nearest 0.05. Acoustic testing has been performed according to the methods mentioned above. Customization of installation of the product could alter the results. Sound Absorption Average (SAA) indicates the absorption coefficient average for the twelve one-third octave bands ranging between 200 and 2500 Hz.