

interior felt



Linear Baffles

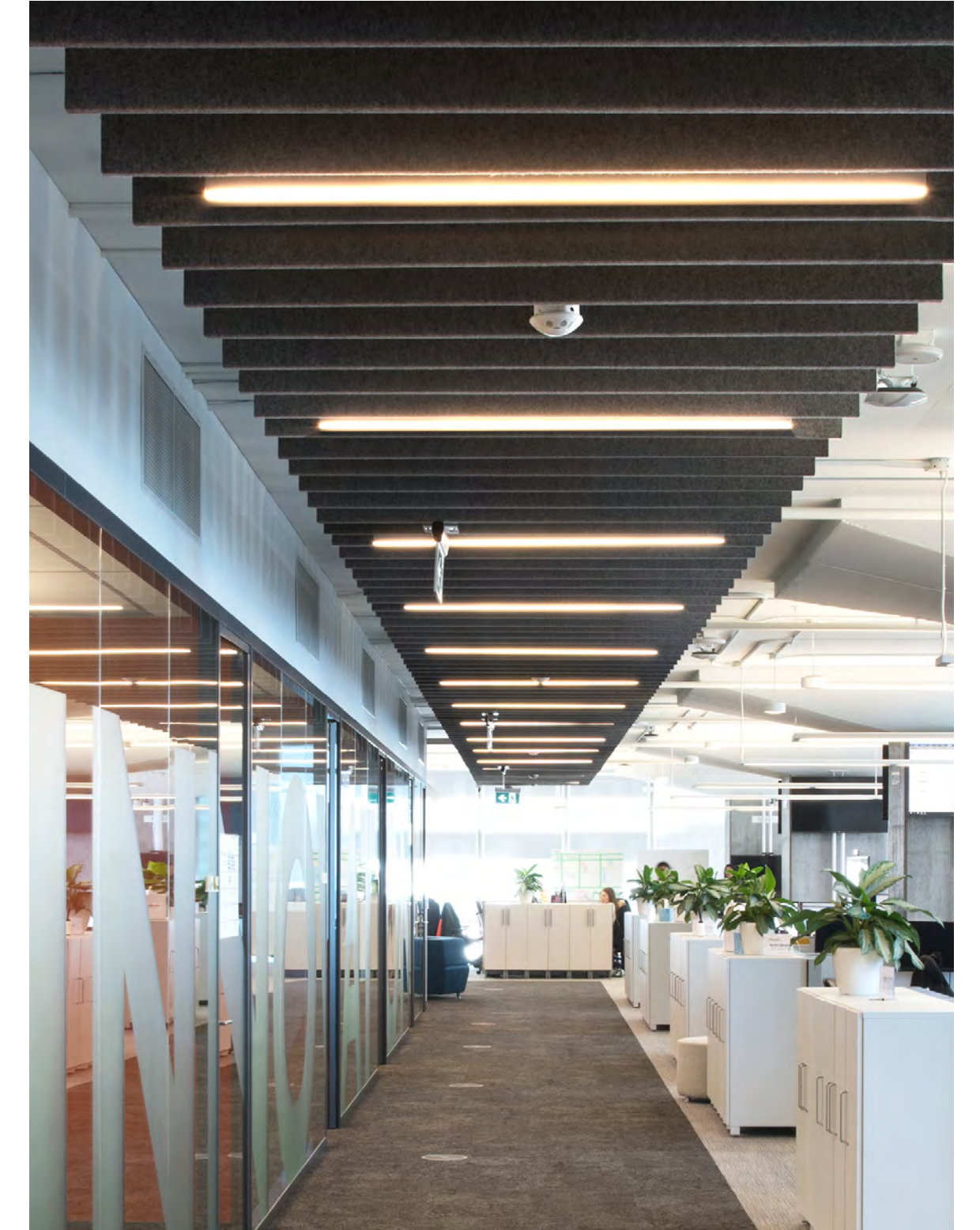
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Overview

Linear Baffles allow you to enhance room acoustics with great effectiveness while offering flexible design possibilities. Interior Felt Linear Baffles are made of 100% Wool Designer Felt and laminated to a 1" acoustic core. When arranged in a system and suspended from the ceiling, they can increase noise absorption up to 0.90 NRC without impeding light or airflow.

Our Linear Baffles come in a variety of sizes and are measured for sound absorption in accordance with the ASTM C423.





Sun Life Ignite Studio

Featured Colors:
381 Concrete Gray

Global architecture firm Perkins&Will specified Interior Felt acoustic Linear Baffles for Sun Life Financial's Toronto office. Our rectangular Linear Baffles soften a space full of hard, reflective surfaces. They also provide effective sound absorption and introduce a bit of peacefulness into a fast-paced work environment.



Sun Life Financial

Featured colors:
163 Midnight

The architecture firm GastingerWalker& specified our Linear Baffles to create an accent in the lobby of the Kansas City office of Canadian financial-services firm Sun Life. The bold, dark blue felt complements a mostly white interior and helps with acoustics in a high-traffic area.



Wittington

Featured colors:

163 Midnight

381 Concrete Gray

This design by Gensler utilized a variety of custom sizes of our Linear Baffles for this ceiling installation. The baffles were tightly grouped and set into a specifically designed ceiling pocket for maximum acoustic support in a potentially high-traffic area. The design attractively integrates the lighting fixtures within the parallel baffle arrangement, and builds on the color palette of the space.



TD Wealth

Featured colors:

152 Olive

382 Pebble Gray

383 Stone Gray

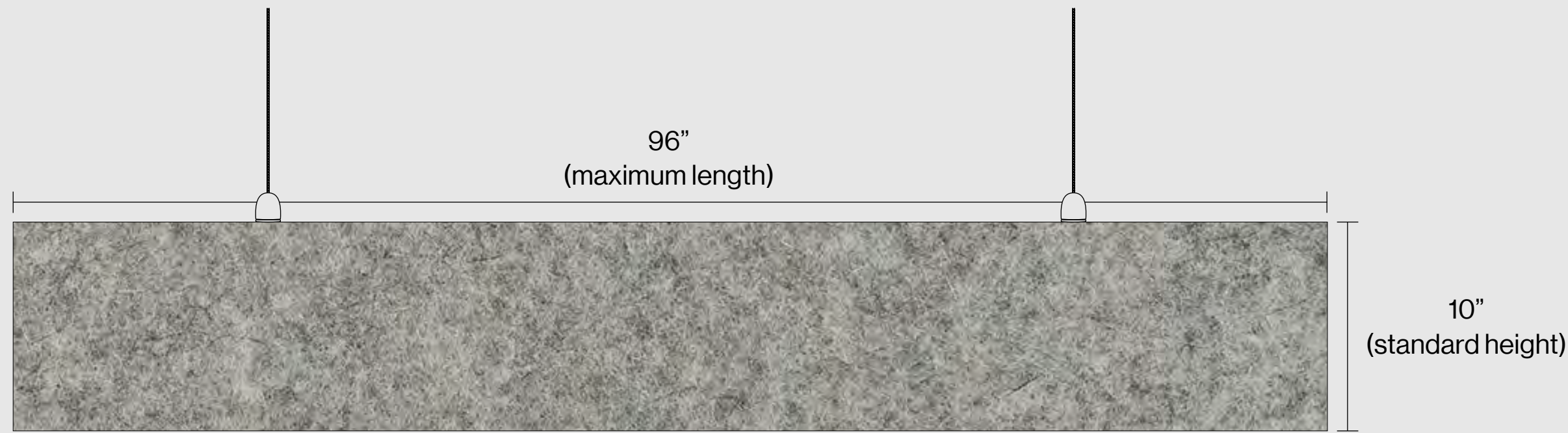
384 Charcoal

TD Wealth's Toronto office required subtle division, privacy, and some acoustic management. The global design and architecture firm Gensler, specified our Linear Baffles in their design to soften the environment and offer additional control of the office's ambient sounds.

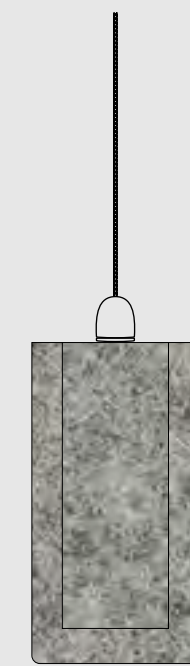
Dimensions & Details

With our wide selection of baffle sizes, you can achieve both function and design in any ceiling scape. All fabrications are made to order. Special order capabilities available upon request.

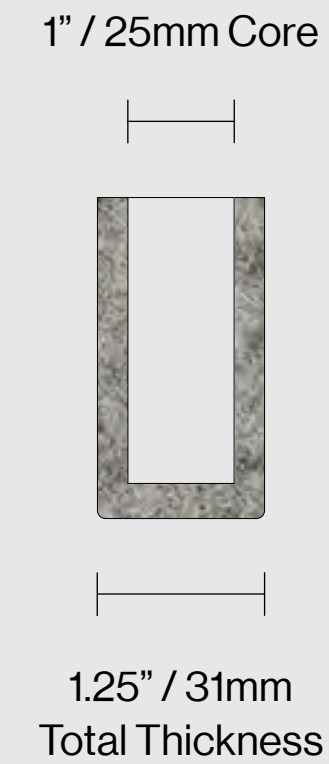
Front Elevation



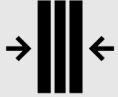
Side Elevation

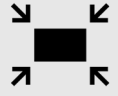



Interior Elevation




Summary

- 
Thickness
 - Total thickness: 1.25" / 31mm (nominal)
 - 100% Wool Designer Felt: 0.118" / 3mm (nominal)
 - Acoustic Core thickness: 1" / 25mm (nominal)


- 
Standard Sizes
 - Length: 48" / 72" / 96"
 - Height: 4" / 6" / 10" / 12" / 24"
 - Custom sizes available upon request

- 
Hardware


Many suspension options available to accommodate different ceiling heights and fixtures.

- 
Edge Detail

Covered Edges

- 
Acoustics

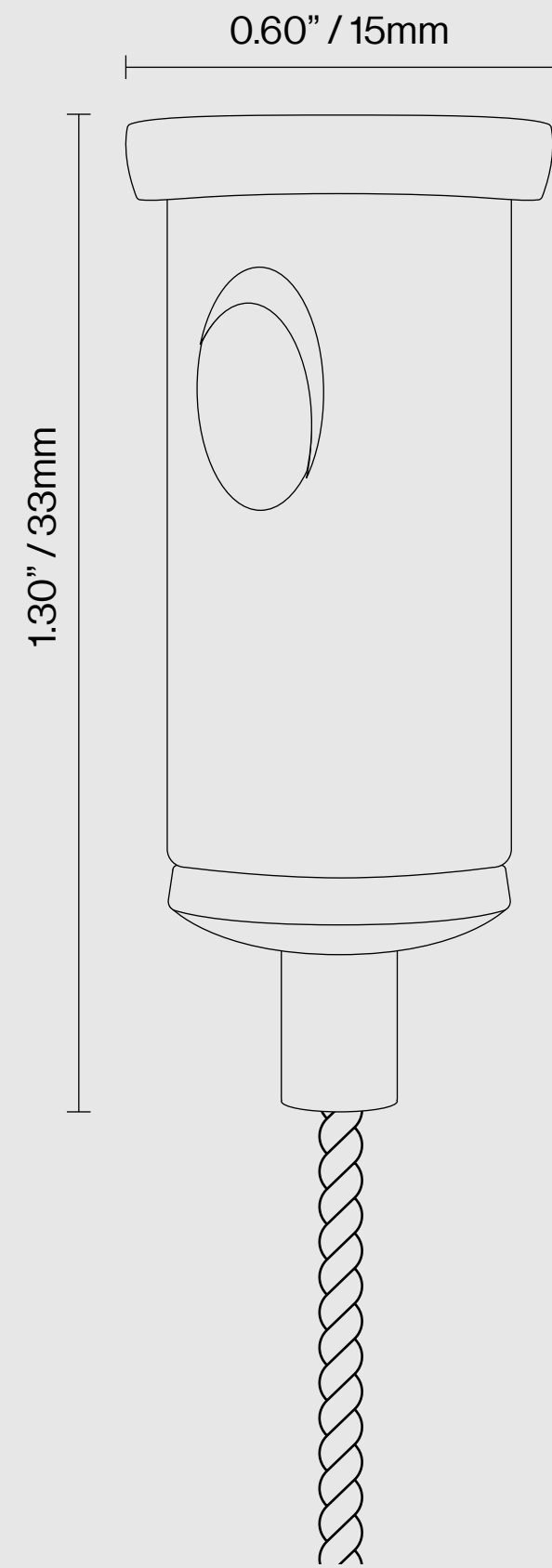
NRC estimated up to 0.90

- 
Flammability

Test reports available upon request.

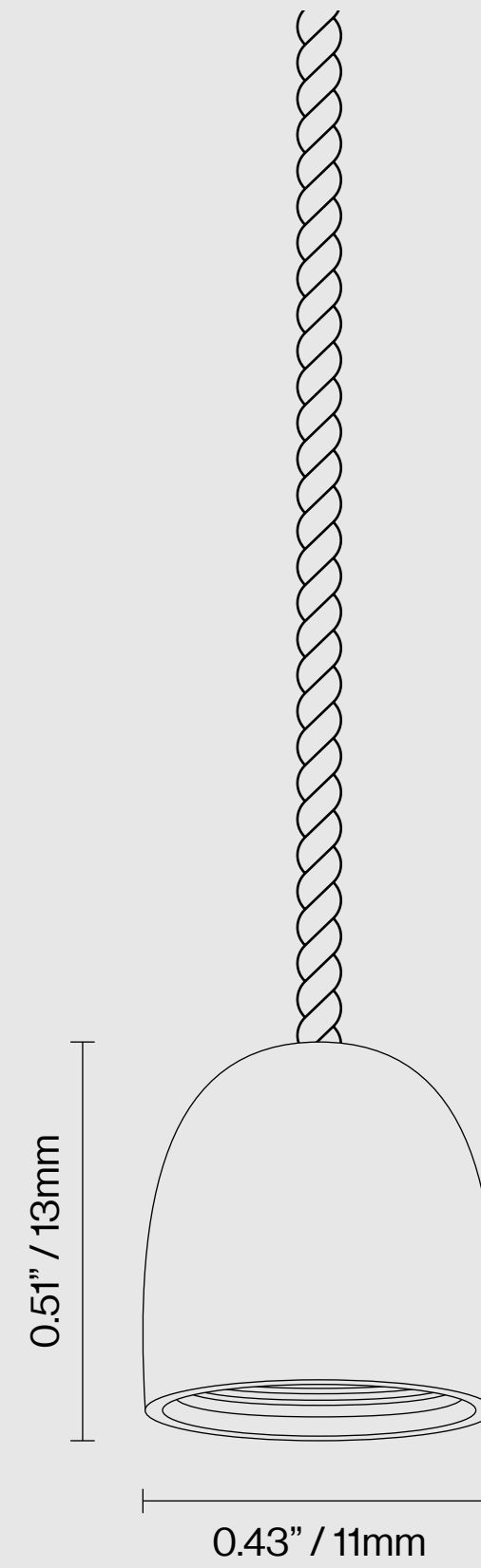
Hardware

Adjustable Anchor



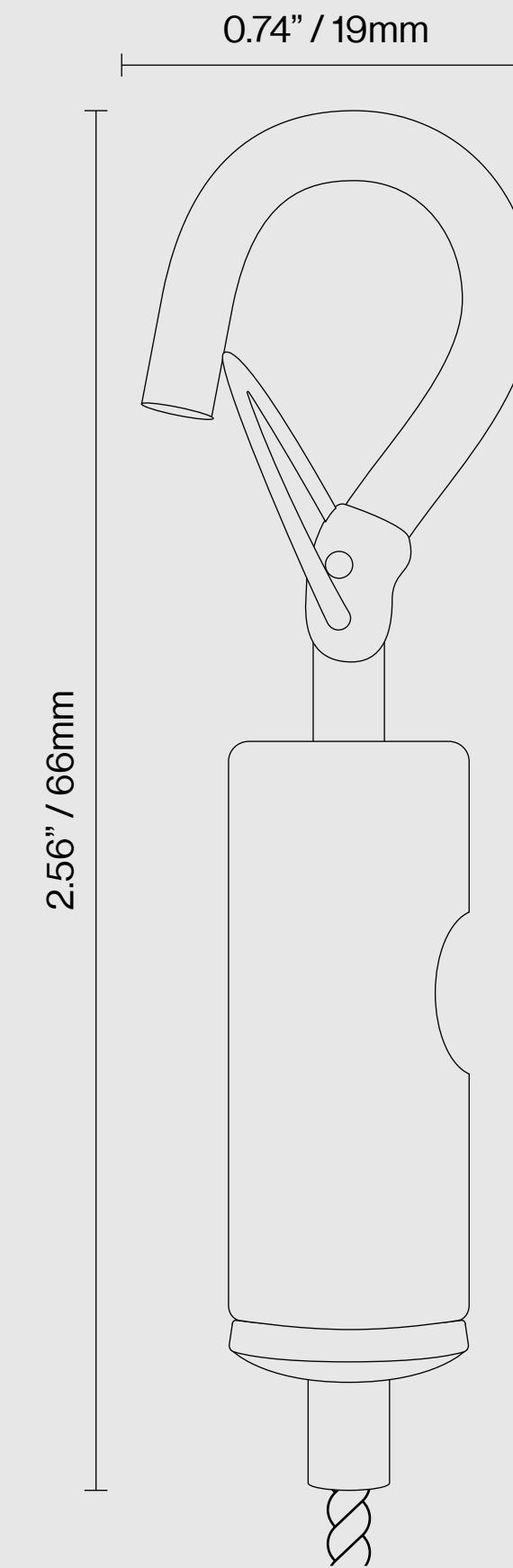
Adjustable Hardware
Approximate weight: 14.3g / 0.50oz

Decorative Cap



Non-adjustable Hardware
Approximate weight: 3.7g / 0.13oz

Adjustable Hook



Adjustable Hardware
Approximate weight: 17.31g / 0.61 oz

*Most options come with approximately 48 inches of aircraft cable per hanging location.



Decorative Cap and Adjustable Anchor



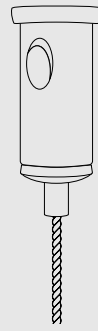
Decorative Cap and Adjustable Hook

Hardware Connection

Option A (Standard)

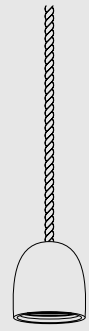
Minimum Clearance:
1.97" / 50mm (nominal)

CEILING CONNECTION (A)

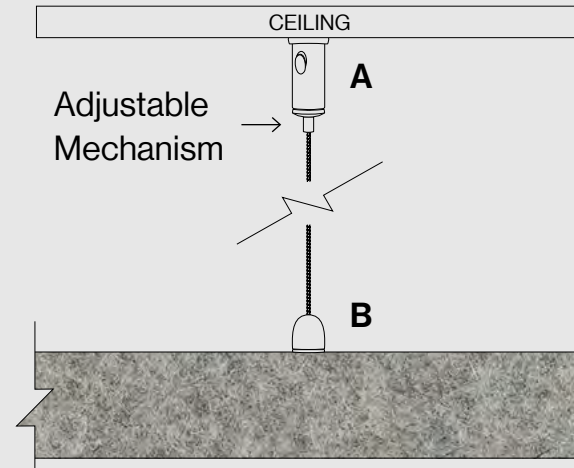


A.
Adjustable Anchor

BAFFLE CONNECTION (B)



B.
Decorative Cap
(receives threaded
connector on baffle)

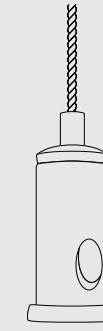


CEILING CONNECTION (A)

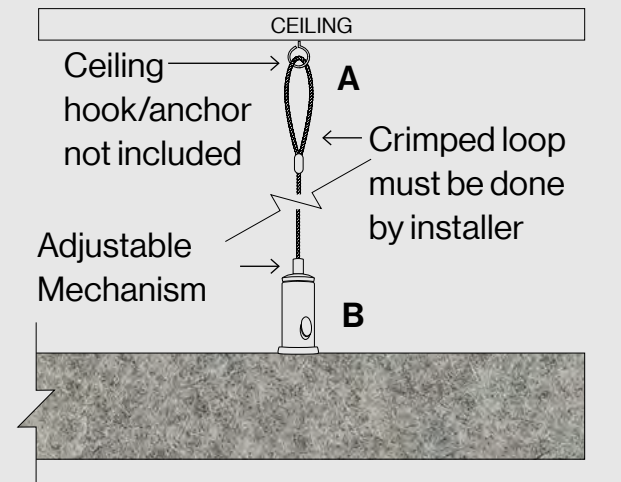


A.
Open-Ended Cable
(uncrimped)

BAFFLE CONNECTION (B)



B.
Adjustable Anchor

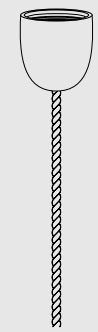


Option D

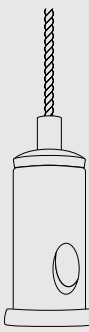
Minimum Clearance:
3.94" / 100mm (nominal)

Option B (Inverse Standard)

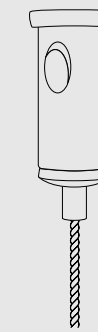
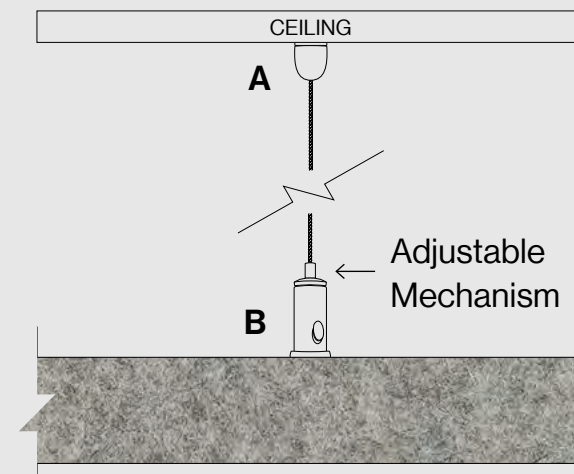
Minimum Clearance:
1.97" / 50mm (nominal)



A.
Decorative Cap
(receives threaded
connector on ceiling)



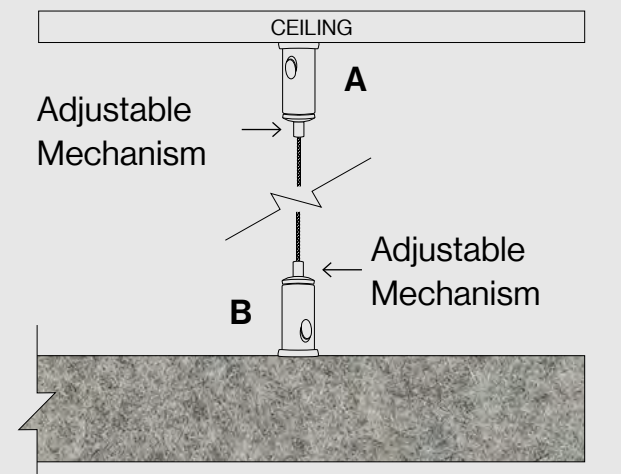
B.
Adjustable Anchor



A.
Adjustable Anchor



B.
Adjustable Anchor



Option E (Extended Ceiling Heights)

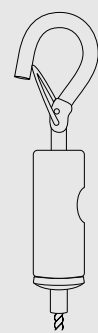
Minimum Clearance:
2.80" / 71mm (nominal)

Cable to be supplied by installer
specific to project.

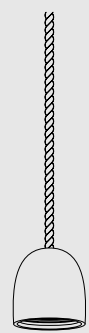
Aircraft Cable:
Galvanized 7x7 - 1.5mm (1/16")

Option C

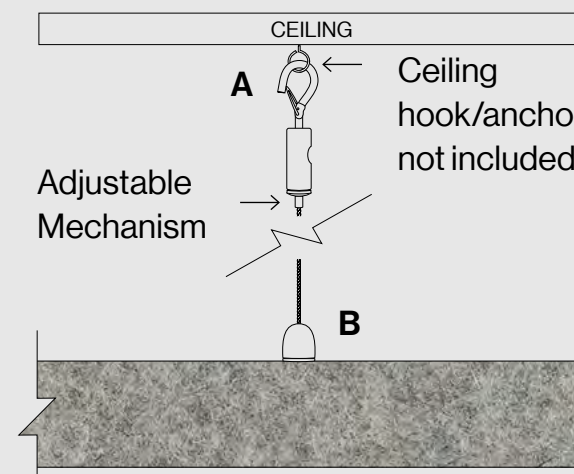
Minimum Clearance:
3.15" / 80mm (nominal)



A.
Adjustable Hook



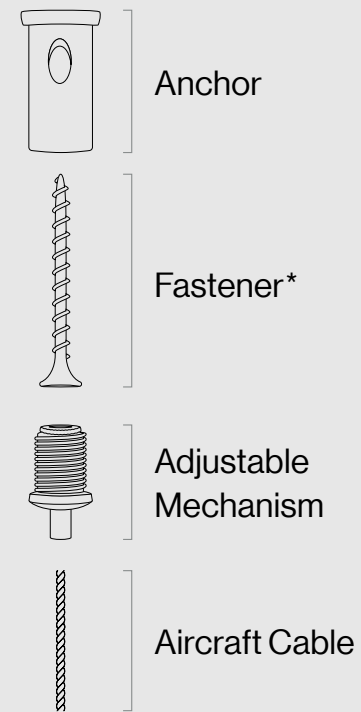
B.
Decorative Cap
(receives threaded
connector on baffle)



Hardware Assembly

Adjustable Anchor

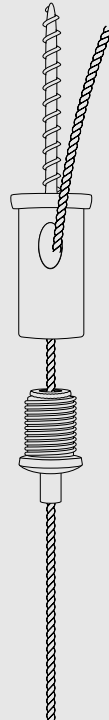
1.
Ensure all parts are present.



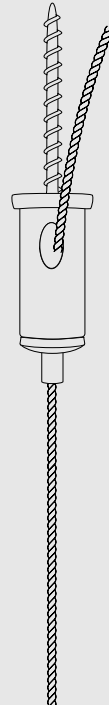
2.
Place fastener* through anchor casing—prepared to connect substrate. Then thread cable through adjustable mechanism.



3.
Fasten anchor casing to substrate until secure. Thread cable through hole in anchor casing.

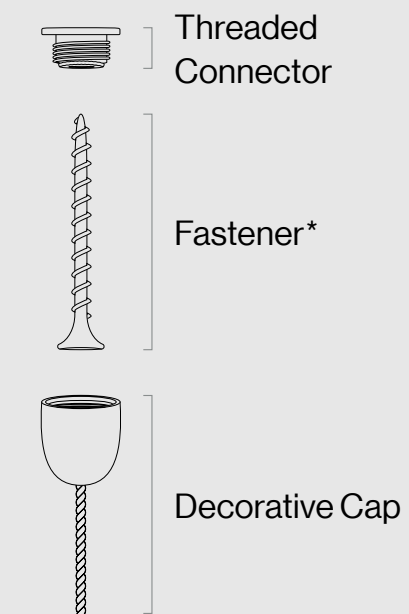


4.
Screw adjustable mechanism into anchor casing. Press button on mechanism and pull cable until desired length is achieved. Loop excess cable neatly in case of future adjustments.



Decorative Cap

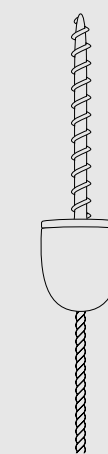
1.
Ensure all parts are present.



2.
Place fastener* through threaded connector—prepared to connect to substrate.

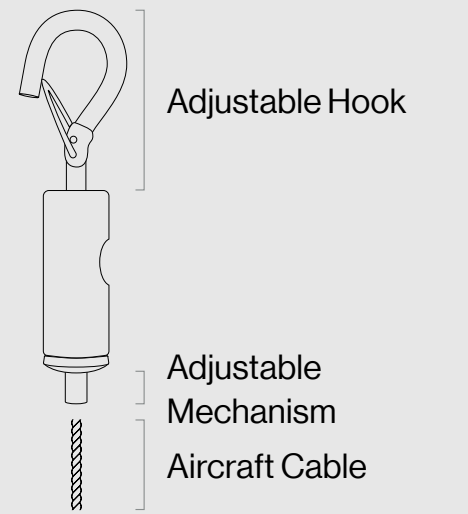


3.
Fasten threaded connector to substrate until secure. Screw decorative cap onto threaded connector.

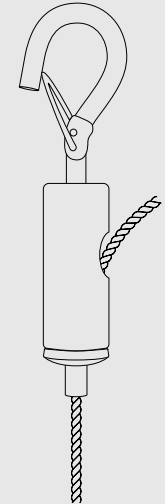


Adjustable Hook

1.
Ensure all parts are present.



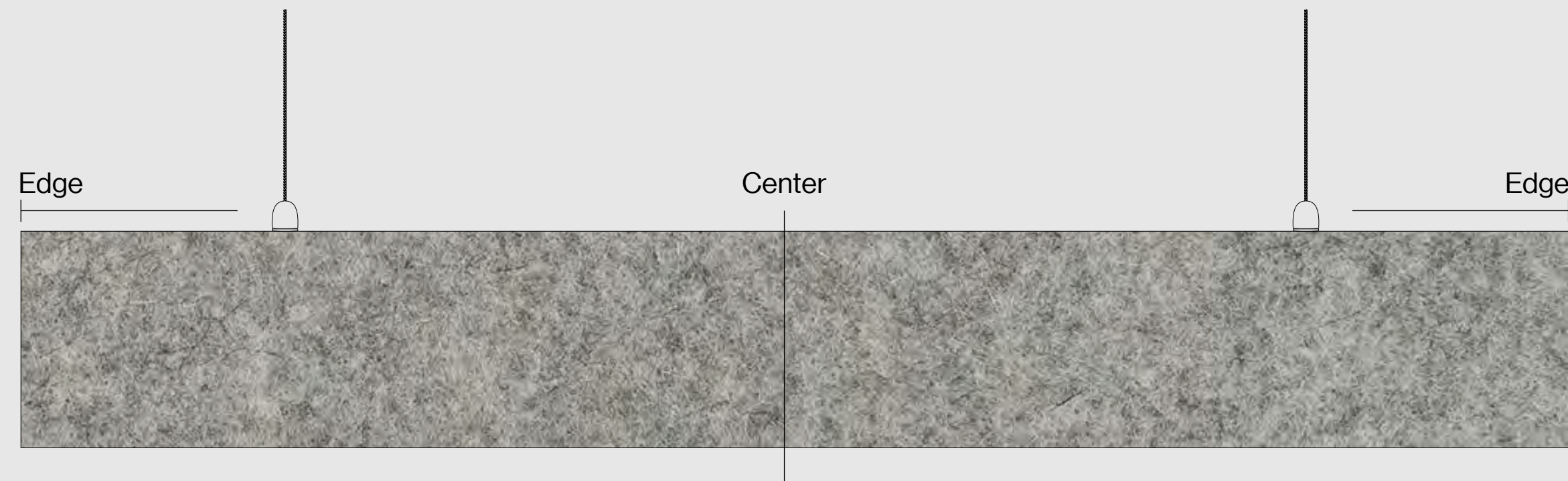
2.
Thread aircraft cable through the adjustable hook. Press the mechanism to make adjustments. Loop excess cable neatly in case of future adjustments.



*Installer must source specific to substrate.

Hanging Point Location

Standard Location



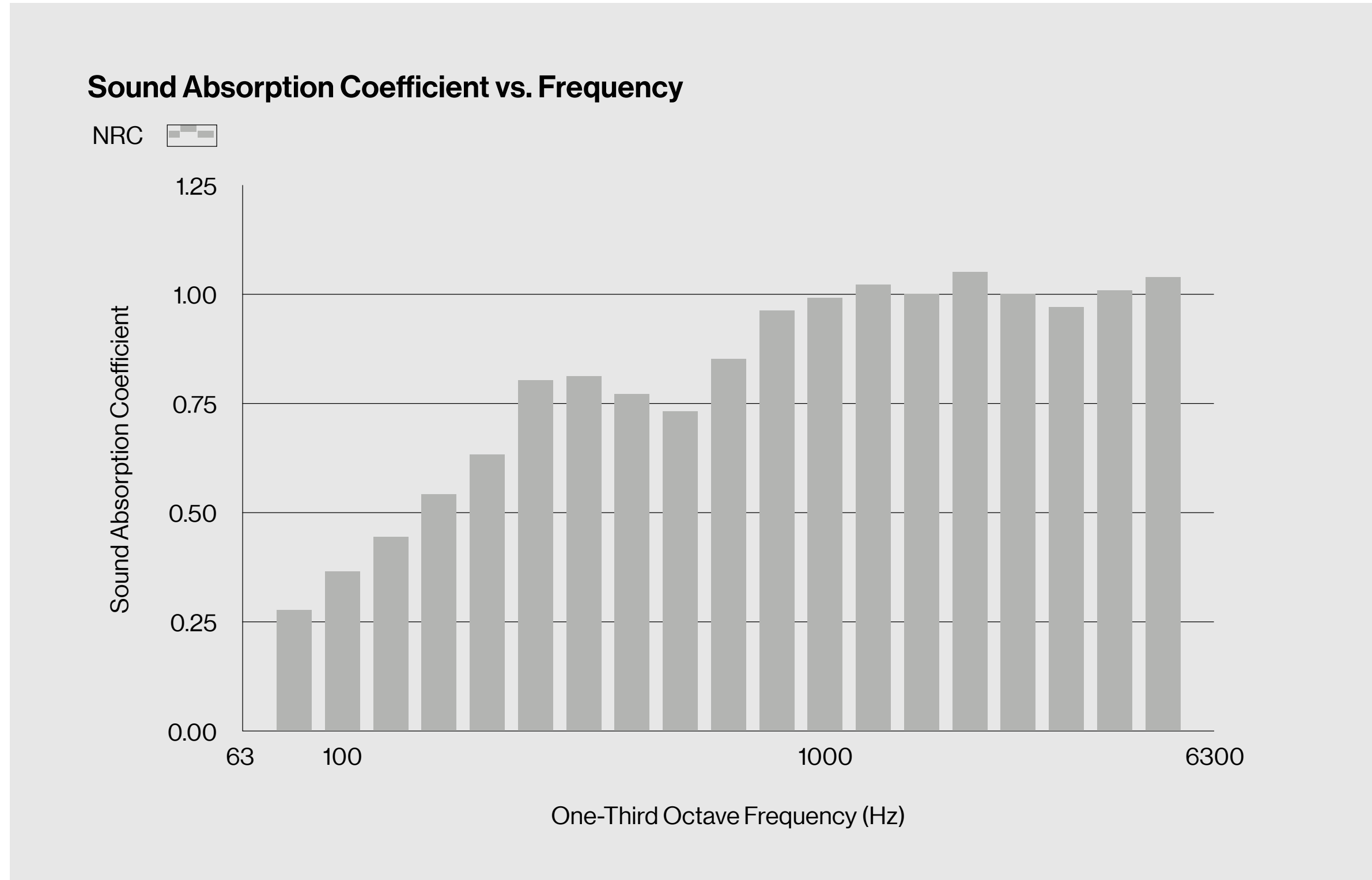
Customization available to increase number of hanging points or to specify location.

Baffle Length	Hanging Point Location (from finished outer edge)	Approximate Weight (not including hardware; weight according to 10" baffle)
48"	8"	4.6 lbs
72"	12"	7.0 lbs
96"	12"	9.4 lbs

Noise Reduction Coefficient (NRC) Data

Panel Identification	1" Acoustic Core		Test Results	
Mounting Type	Type E400 = Box		NRC	SAA
Weight	44.9 lbs	0.6 psf	0.90	0.88

	Absorption Empty (m ²)	Absorption Sample* (m ²)	Absorption Coefficient
80	6.09	1.82	0.27
100	5.81	2.39	0.36
125	3.56	2.93	0.44
160	3.42	3.58	0.54
200	3.95	4.20	0.63
250	3.72	5.32	0.80
315	3.66	5.38	0.81
400	3.78	5.14	0.77
500	4.10	4.85	0.73
630	4.37	5.70	0.85
800	4.84	6.43	0.96
1000	5.03	6.59	0.99
1250	5.61	6.82	1.02
1600	6.37	6.68	1.00
2000	7.06	7.03	1.05
2500	8.03	6.69	1.00
3150	9.26	6.50	0.97
4000	11.42	6.72	1.01
5000	13.72	6.97	1.04



Wool Designer Felt

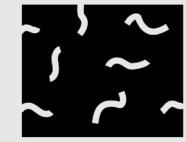
111 - White 3mm	186 - Overcast 3mm	152 - Olive 3mm	145 - Lavender 3mm
311 - Wool White 3mm	272 - Sand 3mm	251 - Meadow Green 3mm	143 - Aubergine 3mm
312 - Raw White 3mm	157 - Mint 3mm	184 - Aqua 3mm	142 - Fuchsia 3mm
146 - Rose 3mm	221 - Vanilla 3mm	261 - Sky Blue 3mm	141 - Burgundy 3mm
271 - Sierra Brown 3mm	122 - Canary 3mm	185 - Mist 3mm	134 - Cherry 3mm
382 - Pebble Gray 3mm	121 - Citrus 3mm	158 - Peacock 3mm	135 - Copper 3mm
381 - Concrete Gray 3mm	231 - Burnt Orange 3mm	164 - Electric Blue 3mm	133 - Bright Red 3mm
383 - Stone Gray 3mm	123 - Dijon 3mm	162 - Arctic Blue 3mm	
182 - Storm Gray 3mm	156 - Moss 3mm	154 - Teal 3mm	
384 - Charcoal 3mm	275 - Cashmere 3mm	155 - Forest Green 3mm	
183 - Black 3mm	371 - Burnt Oak 3mm	163 - Midnight 3mm	

Custom

We collaborate with designers and architects, offering our expertise to guide ideas from concept to creation through the unique possibilities of wool felt. As a non-woven material, felt lends itself to intricacy and elegance beyond the reach of other textiles—an ideal medium for refined, expressive design in a soft finish.

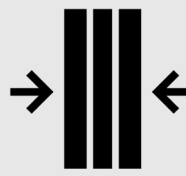
Custom thickness and colors available upon request.

Linear Baffles Specifications



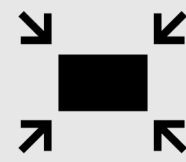
Content

100% Wool Designer Felt
Acoustic Core



Baffle Thickness

1.25" / 31mm (nominal)



Standard Sizes

Length: 48" / 72" / 96" | 1219mm / 1828mm / 2438mm
Height: 4" / 6" / 10" / 12" / 24" | 101mm / 152mm / 254mm / 304mm / 609mm

*All dimensions nominal / Custom sizes available / Maximum length 96" / Standard height 10"



Weight

Approximately 1.4 lbs per square foot (not including hanging hardware).



Durability

Contract



Hardware Suspension Options:

Adjustable anchor, decorative cap, adjustable hook, open-ended aircraft cable. Standard 48" (approx.) of aircraft cable provided for most options. For hardware connection Option E (Extended Ceiling Heights), cable to be supplied by installer specific to project. Aircraft Cable: Galvanized 7x7 - 1.5mm (1/16")

Ceiling Attachment Options for Suspension Cable:

All fasteners, hooks, loops, crimping, and T-bar ceiling attachments must be sourced by installer as they are not provided by Interior Felt unless specifically arranged in advance.



Installation

One pair of suspension hardware is provided per baffle. Ceiling fasteners, hooks, loops or T-bar connections are not included.

Linear Baffles Specifications



Environmental

100% Wool Designer Felt



Oeko-Tex® Standard
100 Product Class



LEED® Credit
Contributor
Biodegradable

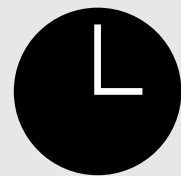


100%
VOC Free

Declare.

LBC
Red List Free

Acoustic Core - A high impact resilient core produced from 100% Polyester material. 60% PET Recycled Fiber / 40% Virgin Fiber.



Lead Time

All product is made to order. Please inquire for current lead times.



Custom

Custom lengths and heights available.
Please inquire for more information.



Variation

With wool felt being a natural material there may be natural variation within the material. This may include rare colored dots known as Smit Marks, color variation due to the natural wool color variation and the absorption of dyes, or fine vegetable matter. Complete color consistency is not guaranteed nor can it be expected, however if particular areas of a project site require higher consistency please inform us well in advance and we can do our best to accommodate by supplying similar dye lots when possible.



Colorfastness to Light

Class 4-5



Flammability

Reports available upon request.



Acoustics

Noise Reduction Coefficient - NRC estimated up to 0.90

Linear Baffles Specifications



Maintenance

Handle with care. To remove any accumulation of airborne particles, Interior Felt products can be occasionally vacuumed with an upholstery brush, brushed by hand or with a lint brush or roller. When dusting, it is normal to encounter a slight shedding of fibers. These loosened fibers are not a sign of any defect and will decrease over time.

Wet spills should be blotted up as soon as possible with a dry cloth. All wool fibers have a naturally-occurring fatty coating called lanolin. This substance makes wool water-repellent and provides inherent stain resistance. Felt is not waterproof, but its inherent resistance to liquids creates some delay time before spills soak through and cause a stain.

Other wet spills may be spot cleaned with warm water or a mild dry-cleaning solvent. Clean soiled areas gingerly to avoid warping the felted surface.

Helpful Tips:

We strongly recommend testing any cleaning method on spare material or less visible areas first.

In addition to occasional dusting, felt products may need to be vacuumed once per year.

If stains cannot be removed with spot cleaning, we recommend seeking professional dry cleaning services that have experience with wool.

interior felt

Contact

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