

# Acoustic Solutions FAQ



## 1. What is AirCore™ technology?

AirCore is Focal Point's patent pending technology engineered to maximize sound absorption and reduce ecological impact. The technology is designed to help trap sound, yielding greater sound absorption and it enables a lighter weight structure to ease product installation. Most Focal Point acoustic products are designed using this technology.

## 2. What is PET?

PET stands for Polyethylene Terephthalate, a thermoplastic polymer resin of the polyester family. The PET felt used in Focal Point's Acoustic Solutions products contains up to 50% recycled content, mostly from recycled plastic bottles. The material is a mixture of different fibers heated and compressed to form sturdy sheets of material. It is moisture resistant and has an ASTM E-84 Class A / CAN ULC S102 fire rating.

Focal Point's PET material is Declare certified, LBC Red List free. View the label on all Acoustic Solutions product cut sheets. Declare Red List free products can assist towards LEED® and WELL certifications. Learn more by visiting the [WELL Building Standard](#) and [LEED](#) pages on our website.

## 3. How do I clean PET felt?

**Cleaning:** Polyethylene Terephthalate (PET) felt can be vacuumed to remove dust. For spills and stains, blot away any excessive moisture from spills off the material as quickly as possible. Wipe the area with a damp cloth and blot dry. If the staining persists, apply a small quantity of carpet cleaner mixed with water on a dampened cloth. Blot well after each application. Make sure to test this procedure in a discreet area before you use it in a visible area.

**Disinfecting:** If there is a need for infection control, bleach can be used in accordance with CDC Cleaning and Disinfection instructions. The solution ratio should be 5 tablespoons of bleach to 1 gallon of water or 4 teaspoons of bleach per quart of water. Apply the solution as a mist and then wipe off the surface moisture to help spread the solution.

Always try these methods in a discreet place on the product prior to using on a visible area.

## 4. What PET felt colors does Focal Point offer?

Focal Point offers a wide color palette, ranging from neutral to bold. [View the current color offering.](#)

## 5. What are the surface burning characteristics of the PET felt material?

ASTM E-84 Class A / CAN ULC S102 fire rating

Flame spread: 0

Smoke development index: 300

[Download our test reports.](#)

## 6. What baffle heights does Focal Point offer?

[Seem® 1 Acoustic](#), [Seem® 2 Acoustic](#) [AirCore™ Blade](#) and [TruBlade™](#) are offered in standard heights of 8", 12" and 16". Please contact [acoustic.solutions@focalpointlights.com](mailto:acoustic.solutions@focalpointlights.com) or [complete the contact form](#) for custom height requests.

## 7. What baffle lengths does Focal Point offer?

[Seem 1 Acoustic](#) and [Seem 2 Acoustic](#) are available in standard lengths of 2' to 208' in 1-foot increments. Lengths vary based on lighting distributions. All lengths should be ordered as final desired lengths for your installation.

[AirCore Blade](#) and [TruBlade](#) are offered in 2' through 8' lengths, in 1-inch increments.

Please contact [acoustic.solutions@focalpointlights.com](mailto:acoustic.solutions@focalpointlights.com) or [complete the contact form](#) for alternative length requirements or additional questions.

## 8. What is NRC?

Noise Reduction Coefficient (NRC) is the average of how absorptive a material is at various frequencies within the human speech frequency range. Two materials with the same rating may not perform the same in application. Typically, an NRC of 0 indicates perfect reflection and an NRC of 1 is designated as perfect absorption. However, based on the testing methodology and depending upon the material's shape or surface area, products can test at an NRC greater than 1.

Example: If you have a ceiling with an NRC of 0.70, this means 70% of sound is absorbed into the ceiling. The other 30% is dissipated into the space. The higher the NRC, the less echo (reverberation) in the space.

## 9. What is Sabins?

Sabins is a unit of sound absorption. It measures how well one square foot of material absorbs sound. Focal Point has averaged the Sabins per unit at four specific frequency bands representing the human speech range (250, 500, 1000, 2000 Hz) to determine the Sabins per product.

Below is an example of how to calculate Sabins for your space.

Sabins provides a measuring tool to define your room's acoustic performance. For example, let's compare drywall to Focal Point's Seem 1 Acoustic baffles being used in the same space.

Surface Material	# of Panels	Panel Size	Sq. Ft. Coverage		NRC	Sabins Delivered
Drywall	1	4' x 8'	32 sq. feet	x	.08	2.56
Seem 1 Acoustic	4	1' x 8'	32 sq. feet	x	1.05	33.6

In this example, we note how a single 4'x8' sheet of drywall will add 2.56 Sabins of absorption into the room. For the same surface area, Seem 1 Acoustic adds 33.60 Sabins into the room, meaning it absorbs 13 times more sound than a drywall panel.

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## 10. NRC vs. Sabins

NRC is often confused with Sabins. However, they actually work together. Sabins is a calculation of all sound absorption coefficients in a space while NRC is the amount of sound energy absorbed by a two-dimensional surface. The greater the NRC value of the material and quantity of sound absorbing material used in a space, the higher the Sabins will be. [Learn more about the difference between NRC and Sabins.](#)

## 11. Does Focal Point provide acoustic test reports?

Yes, [visit Document Downloads](#) under the Resources section on the Focal Point website to access the reports. All acoustic reports can also be found on each product page, under the Acoustic Data section. All Focal Point acoustic products are tested at Riverbank, an accredited acoustical laboratory. [Learn more about Riverbank Acoustical Laboratories.](#)

## 12. How do I design a space using Focal Point products?

Focal Point has a dedicated team to assist with lighting and acoustical layouts. Contact our team of expert at [acoustic.solutions@focalpointlights.com](mailto:acoustic.solutions@focalpointlights.com) or [complete the contact form.](#)

## 13. Can I field cut Acoustic Solutions linear products?

Focal Point Acoustic Solutions products are not field cuttable. Baffles should be ordered to the exact length needed.

## 14. Does Focal Point offer custom designs?

Focal Point would love to work with you on a custom project! We have a team dedicated to providing custom design assistance. Please contact us at [acoustic.solutions@focalpointlights.com](mailto:acoustic.solutions@focalpointlights.com) or [complete the contact form.](#)

## 15. What are the mounting options for Acoustic Solutions products?

[Seem 1 Acoustic](#), [Seem 2 Acoustic](#), and [AirCore Blade](#) can be installed direct to grid, direct to strut or suspended with aircraft cables up to 120" in length.

[AirCore Bridge](#), [Seem 1 Acoustic Trio](#) and [TruBlade](#) can be suspended with aircraft cables up to 120" in length.

[Mora Seem 1 Acoustic](#) luminaires can be mounted direct to strut or suspended with aircraft cables. [TruBlade](#) baffles can be installed direct to strut with [StrutKlip](#) or magnet options or suspended with aircraft cables.

[Skydome Edge Acoustic](#) can be installed with a single point suspension, three aircraft cables up to 120" in length or surface mounted.

[Blume](#) and [Zyl](#) can be suspended with [SJT](#) cable up to 144" in length or 50° swivel stem up to 8' in length.

[Nivo™ Acoustic](#) and [Ori™](#) are designed for lay-in grid configurations and compatible with both 15/16" and 9/16" grids. If alternate grid types are required, please contact us at [acoustic.solutions@focalpointlights.com](mailto:acoustic.solutions@focalpointlights.com) or [complete the contact form.](#)

## 16. What is the serviceability of Acoustic Solutions products?

Our illuminated acoustic products are all field serviceable with access from the top of the luminaire. No PET material is removed during this process. [Refer to the installation instructions.](#)

## 17. Can Acoustic Solutions products be modified in the field?

Focal Point Acoustic Solutions products are made to specification and should be ordered with the exact requirements for the project.

## 18. Who can I contact regarding a product issue, missing component, replacement parts, or if my product is defective?

Email our Field Service team at [fieldservice@focalpointlights.com](mailto:fieldservice@focalpointlights.com) or call 773-247-9494 and select option 2.

## 19. Where can I find installation instructions?

Each shipment contains installation instructions, which can also be downloaded from each product's page or from our [Resources section.](#)

## 20. Where can I find your warranty?

You can access the Focal Point warranty from our [Resources section.](#)