



A brand of legrand





Designing with **integrated lighting & acoustic solutions**

FOCAL POINT®

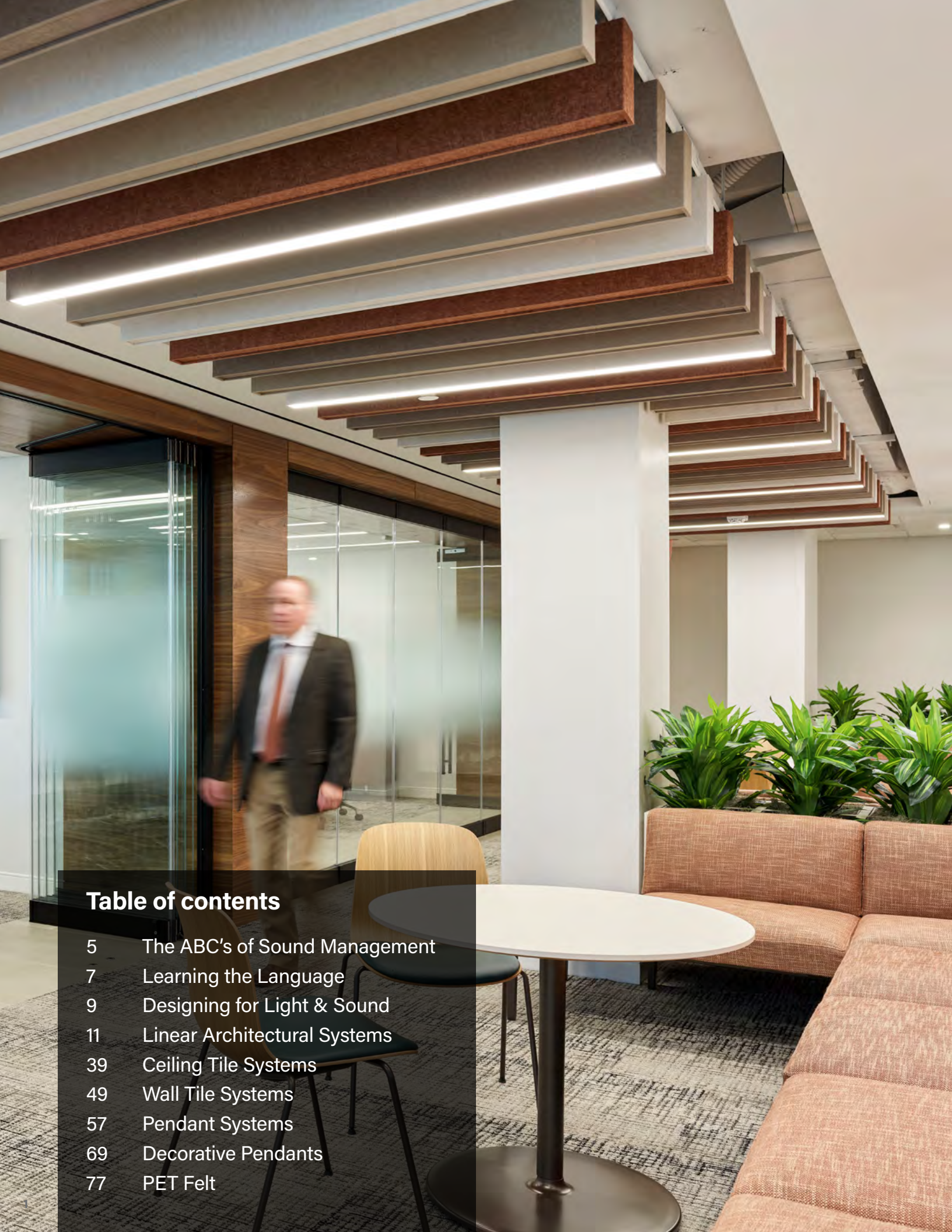


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We are going **beyond illumination**

to optimize interior spaces for sound management with our Acoustic Solutions. Our integrated ceiling systems and decorative luminaires provide an optimal answer to the high noise levels and reverberation issues common to open interior spaces.

True to our lighting roots, our Acoustic Solutions use a **“luminaire first”** approach to ensure that technology and light quality are never sacrificed. Rather, the aesthetic and comfort of each space are optimized with beautiful, coordinated lighting and acoustic systems.

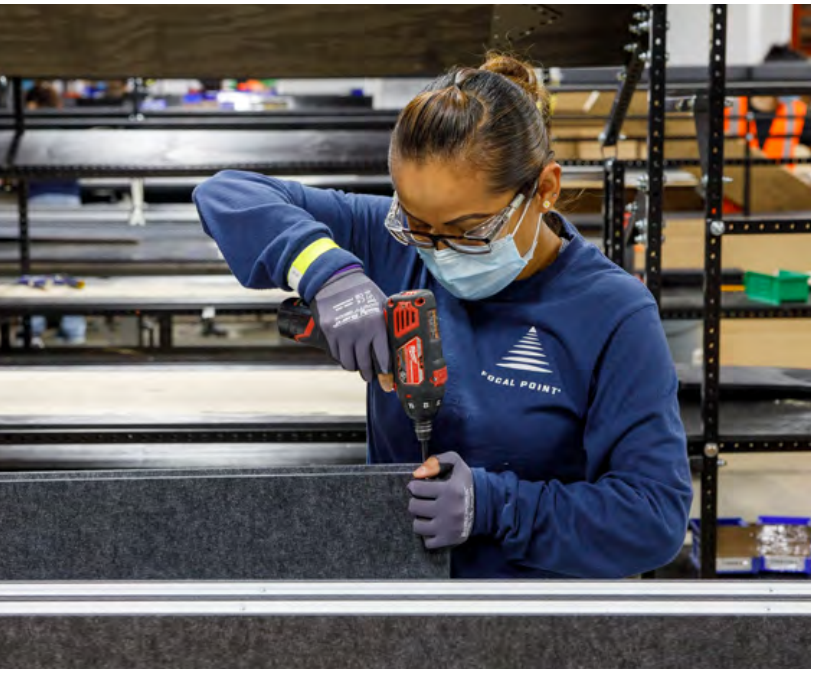
Our Acoustic Solutions also use the **patented, eco-friendly AirCore® Technology which maximizes sound absorption,** making our products some of the highest performing on the market. Good acoustics contribute to increased speech clarity, privacy, and comfort to deliver more human-centric environments.

The integrated systems **simplify specification, sourcing, and installation** while procuring a unified look that enhances the architecture of interior spaces.

Each ceiling system can be specified to meet **budget, acoustic, lighting, and aesthetic requirements.**

Acoustic Solutions deliver optimal illumination levels and control sound to increase the comfort and well-being of those who inhabit the spaces.











With our **vertically integrated operations,**

we control the process from conceptual design to engineering, to manufacturing, through to shipping.

We have expanded our capabilities, adding a **dedicated team and manufacturing area specifically for acoustic solutions.**

We are committed to providing superior quality lighting and acoustic products through our in-house operations using advanced technology and superior support with a team dedicated to the design, development, and execution of our Acoustic Solutions portfolio.

The ABC's
of sound management

To select the proper Acoustic Solution for a project, it is critical to understand the fundamental principles of sound management and the acoustic requirements for creating more human-centric environments.

As sound moves through a space or medium, it can be reflected, transmitted or absorbed.

Absorbing:

Captures reflected sound waves and reduces reverberation time, or echoing, in a space. Common absorptive elements include acoustical ceiling tiles (ACTs), wall panels, soft upholstered furniture, acoustical baffles, and carpeted flooring.

Blocking:

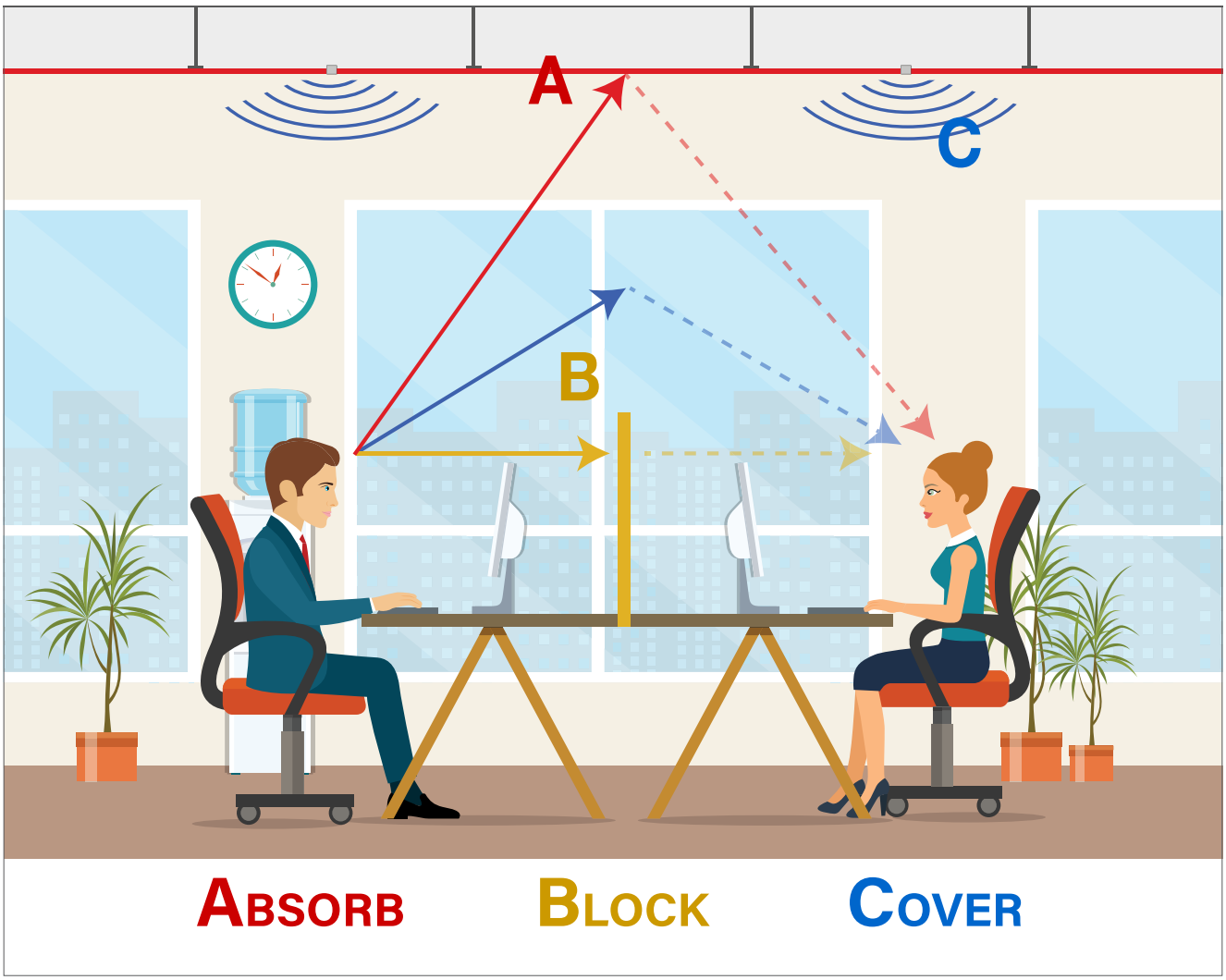
Reduces sound energy transmitting through materials and helps reduce the overall noise levels of a space. Sound blockers include walls, ceilings, windows, cubicle walls, and dividers.

Covering up:

Generating sound into an environment, raising the overall sound level of a space to mask unwanted sound. Also known as soundmasking, this is typically achieved by pumping noise in the frequency of human speech into a space.

Our Acoustic Solutions focus on **sound absorption** to improve human comfort and resolve some of the challenges of today's commercial environments.

The growing importance of acoustic comfort is evident through the evolution of global building certifications such as the WELL Building Standard™ (WELL) and the Leadership in Energy and Environmental Design™ (LEED®). These standards are driving change to balance health and wellness in commercial building design by providing recommendations for reducing noise in various environments.


A
B
C
ABSORB
BLOCK
COVER

Learning the language

To understand how Acoustic Solutions address illumination and noise levels, it is important to become familiar with the terms related to lighting and sound management.

LIGHTING TERMS

Above Finished Floor (AFF) An acronym commonly used in dimensioning, especially for suspended lighting. It specifies the distance from the bottom of the luminaire above the surface of the finished floor.

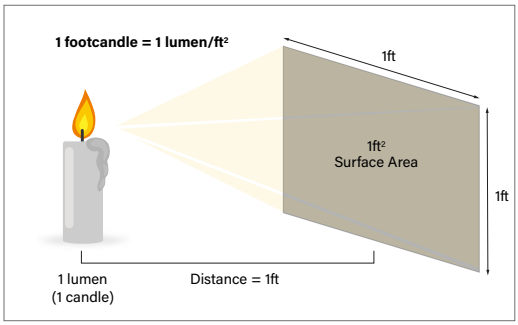
Color Rendering Index (CRI) A quantitative measure, on a scale of 0 to 100, indicating how accurate a light source is at rendering color in comparison with a black body radiator. The higher the CRI, the better the color rendering ability. Light sources with a CRI greater than 80 are typically used in commercial spaces.

Correlated Color Temperature (CCT) The chromaticity of a light source expressed in Kelvins, where the higher the number the "cooler" or bluer the light and the lower the number, the "warmer" or yellower the light.



Foot Candles A measurement of how much light strikes a surface (e.g. a desk or a wall) defined as the illuminance on a one-square foot surface from a uniform source of light. Lighting industry standards indicate the required foot candles for various types of rooms and tasks.

Light Reflectance Light reflectance quantifies how much light is reflected versus absorbed by various surfaces. It is key to assign the correct reflectance to the materials present in a room to perform accurate lighting calculations.



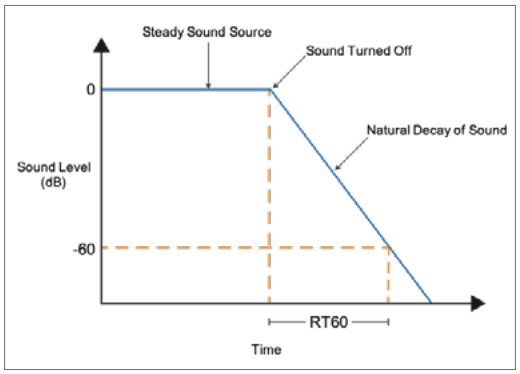
Lumens (lm) A measure of the amount of visible light emitted from a light source that's perceived by the human eye. The higher the lumen rating, the brighter the light will appear.

Lumens per Watt (LPW) The measurement of how much visible light is produced for a given amount of electricity, also known as luminous efficacy.

SOUND MANAGEMENT TERMS

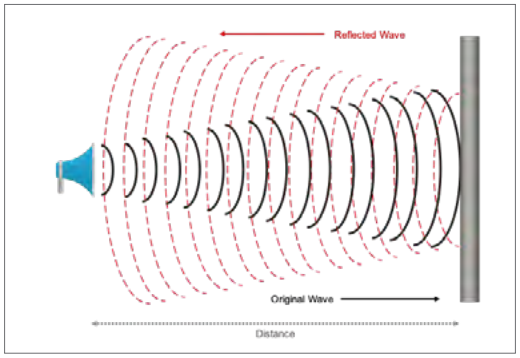
Reverberation
A prolongation of sound in an enclosed or partially enclosed space even after the sound source has stopped. In other words, it is the echoing effect observed after a noise is made.

Reverberation Time (RT60)
The amount of time, measured in seconds, required for the intensity of sound to drop by 60 decibels (dB) after the sound stops.



Sound Absorption
The process of dissipating sound energy when it comes into contact with different media.

Sound Absorption Coefficient (α)
A ratio of reflected sound energy that strikes a surface to the sound energy absorbed by that surface at a specific frequency. The α ranges from 0 (no absorption) to 1 (total absorption). As an example, a material that absorbs 35% of sound energy that strikes it, will have a α of 0.35.



Below are four common sound absorbing metrics based on the sound absorption coefficient:

Noise Reduction Coefficient (NRC)
An average of the sound absorption coefficients for the 250, 500, 1000, and 2000 Hz one-third octave bands. It indicates the amount of sound energy absorbed by a two-dimensional surface and is represented by a single number. NRC can be useful for quick, side-by-side comparisons of 2D products or flat surfaces like ceiling tiles or wall panels. There are other metrics more valid for calculating sound absorption of 3D objects.

Sabin
A unit of measure of the amount of sound absorption in one square foot of material. A perfect sound absorbing material has a value of 1 imperial Sabin. Sabin is the most useful metric for acoustic calculations of 3D objects, it provides a measuring tool to help define a room's acoustic performance.

Sabin Count (A)
The sum total of Sabins or the total amount of sound absorptive elements in a space. Sabin count is directly correlated to reverberation time (RT60) via the equation RT60 = k * (V/A), where k is a constant and V is the total volume of a space.

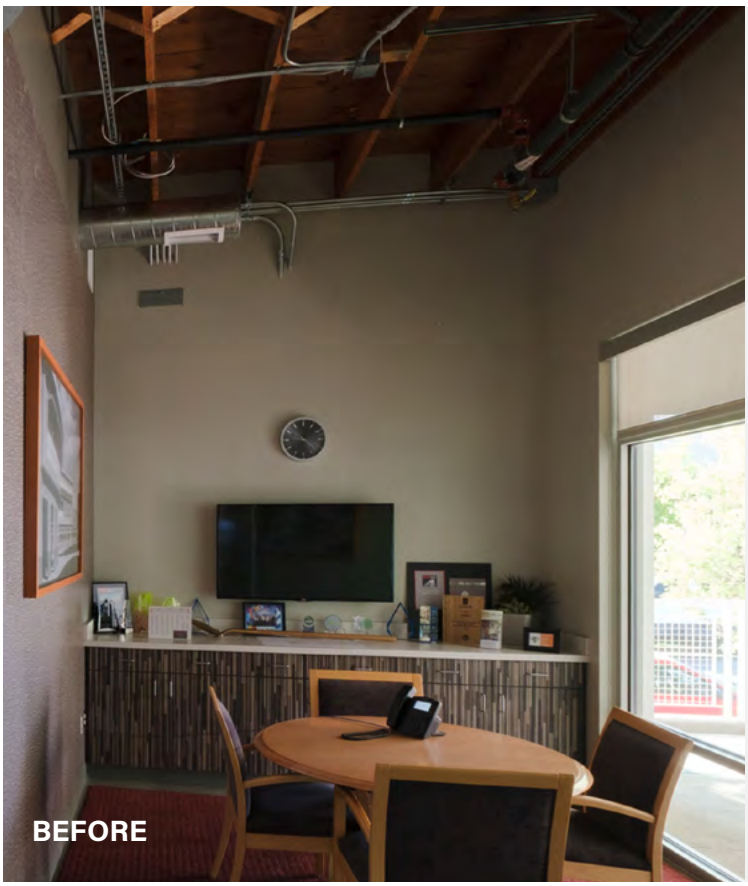
Sound Absorption Average (SAA)
An average of the sound absorption coefficients for twelve one-third octave bands from 200 to 2500 Hz. The higher the SAA value, the better the material absorbs sound. This single number rating can be obtained from ASTM C423 test reports.

Designing
for light & sound

When designing with integrated acoustic ceiling and lighting systems, it is necessary to perform a few simple calculations to determine the best solution for the project. Answering the following questions will help compute the sound absorption and lighting needed in the space, thus providing a guide to selecting the ideal integrated solution. Let's break down the process using a real-life case.

Δ How is the space being used?

Determine the ideal reverberation time (RT60) using leading global building standards such as ANSI, WELL or LEED and required light levels using the IESNA Lighting Handbook.



CSHQA
Conference, breakout and teleconferencing room

12' long x 10' wide x 12' high

Concrete & carpet floor
3 gypsum walls
1 glass wall
Concrete deck with wood decking

Δ What are the variables of the space?

Determine the current RT and the amount of additional sound absorption required to meet the target RT, as well as the lumens required.

Calculate the volume of the room (V)

length x width x height

12' x 10' x 12' = **1440 ft³**

Calculate the Sabin count of the room (A)

Concrete floor	0.50
3/4" pile carpet	42.13
Double-layer 5/8" gypsum walls	11.70
1/4" laminated glass wall	4.20
Concrete deck with wood decking	4.47

Sabins are derived from the NRC values of the various materials as provided by the manufacturers.

63 Total Sabins

Calculate the RT of the space

RT60 = k* x (V/A)

*k=0.049 when the unit of measurement of V is feet (0.161 for measurement expressed in meters)

RT60 = 0.049 x (1440/63)

RT60 = 1.12 seconds

Calculate the amount of acoustical absorption required in Sabins

A = k* x V / RT60

*k=0.049 when the unit of measurement of V is feet (0.161 for measurement expressed in meters)

A = 0.049 x 1440 / 0.8

A >88 Sabins

88 Sabins – 63 Sabins = **25 additional Sabins**

Calculate the lighting requirements

length x width x required foot candles = required lumens

12' x 10' x 30 foot candles > **3,600 lumens**

For more complex lighting schemes, it will be necessary to run lighting calculations for the room. Dimension from Above Finish Floor (AFF) and bottom of the luminaires, as well as the reflectance values for each of the surfaces will be required.

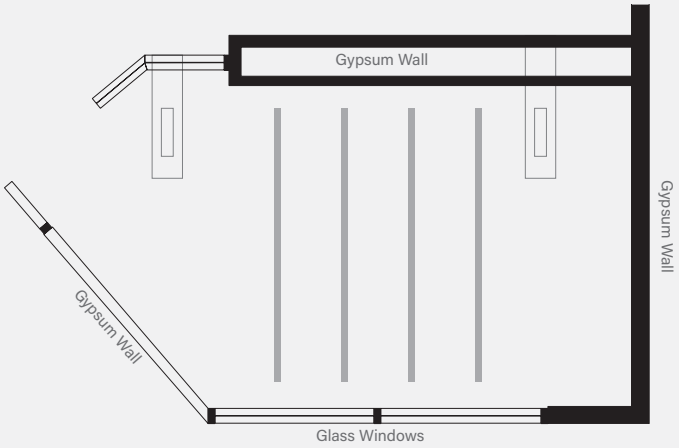
The last two important elements to consider are the Color Rendering Index (CRI) and Correlated Color Temperature (CCT) of the luminaires.

CSHQA - CONFERENCE, BREAKOUT AND TELECONFERENCING ROOM

Target RT60 <0.8 seconds recommended by acoustician | Target foot candles 30-40

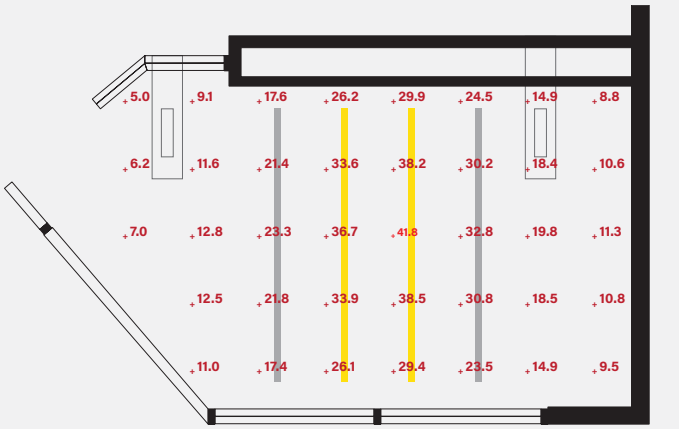
ACOUSTIC PERFORMANCE

Baffle Layout		Reverberation Time (RT)	Additional Sabins
None		1.1	0
4 rows	12" High	0.9	20
4 rows	**16" High**	**0.8**	**25**



LIGHTING PERFORMANCE

Average Foot candles (workplane) = 28.9



Δ What is the desired aesthetic and what are the budget constraints?

Select the ideal integrated acoustical lighting system and optimize the space for light and sound.

Various types of linear baffles, as well as tile and pendant systems can help meet the acoustic, lighting, design, and budget requirements of the space.

For assistance with design, layout, and acoustical calculations, contact Focal Point's dedicated team of experts at acoustic.solutions@focalpointlights.com.



CSHQA

Having lived with an echoing problem for too long, the team at CSHQA finally found the solution to make their small conference room functional and comfortable.

Problem:
CSHQA, a full-service architecture and engineering firm struggled with the echoing and reverberation issues in one of their conference rooms, so acute that it made the room nearly unusable and earned it the nickname of “fishbowl”. A large window wall, glass entryway, and high open ceiling contributed to the problem.

Solution:
The CSHQA team tackled the challenge by bringing an acoustician and Focal Point’s Acoustic Solutions team to the rescue. Due to the small size of the room, a useful reverberation time (RT) analysis could not be conducted. Alternatively, using the ASTM C423 test report for the Seem 1 Acoustic baffles, the acoustician calculated the recommended surface area of acoustic baffles necessary to achieve optimal RT and our team presented a few layouts that met the requirement.

CSHQA selected an array of four 8' long and 16" high baffles at 24" on-center, which matches the joist spacing. The target reverberation time of 0.8 second was achieved and two baffles with direct lighting provide the 30 to 40 foot candles required on the work surfaces.

Result:
The room is now used on a regular basis for in-person meetings and conference calls. The team at CSHQA also commented on the improved aesthetics of the room, which feels more cozy with a lower ceiling plane.

Linear
Architectural Systems

Integrated linear systems, ideal for open, multi-use spaces, simplify specification, sourcing, and installation and procure a unified look that enhances the architecture of each interior space. The flexible systems enable the optimization of sound and light while allowing freedom of placement to accommodate diverse rooms and project needs. Vary the height, spacing, orientation, baffle type, and layout to achieve the desired budget, acoustic, lighting, and aesthetic requirements.

- **Seem® 1 & 2 Acoustic**
- **AirCore Blade®**
- **TruBlade®**
- **AirCore Bridge®**
- **Mora®**



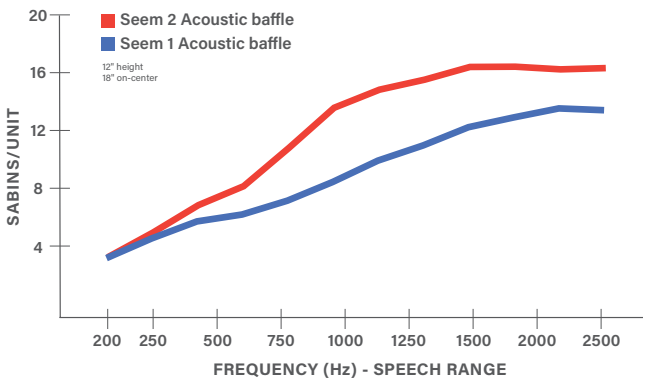
Linear
Architectural Systems

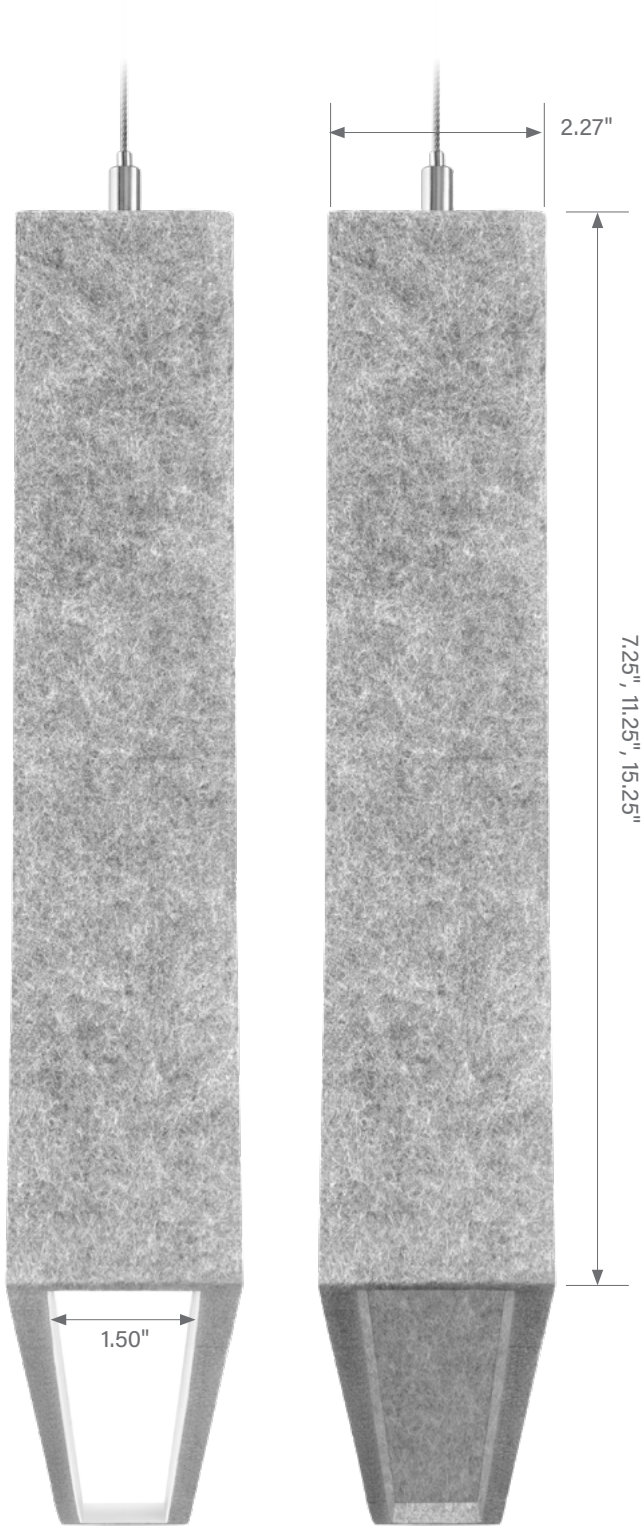
SEEM ACOUSTIC

- Standard nominal heights of 8", 12" or 16"
- Lens aperture and housing widths
  - Seem 1 Acoustic:
    1.5" lens aperture (2.27" housing width)
  - Seem 2 Acoustic:
    2.5" lens aperture (3.24" housing width)
- Standard lengths available in 2' to 208' lengths in 1" increments (minimum lengths vary based on distribution)
- AirCore® Technology: patented, eco-friendly technology that maximizes sound absorption and reduces ecological impact
- Direct/Indirect, Direct only, Indirect only or unlit baffle options
- Fully illuminated or unlit 90° corners enable the creation of unique patterns
- Lumen outputs
  - Seem 1 Acoustic:
    Up to 500LF direct , 1000LF direct Louvered, and 800LF indirect
  - Seem 2 Acoustic:
    Up to 1200LF direct and 1000LF indirect
- Driver options:
  0-10V, Lutron EcoSystem®, DALI
- Aircraft cable, direct-to-grid or direct-to-strut mounting

ACOUSTIC PERFORMANCE

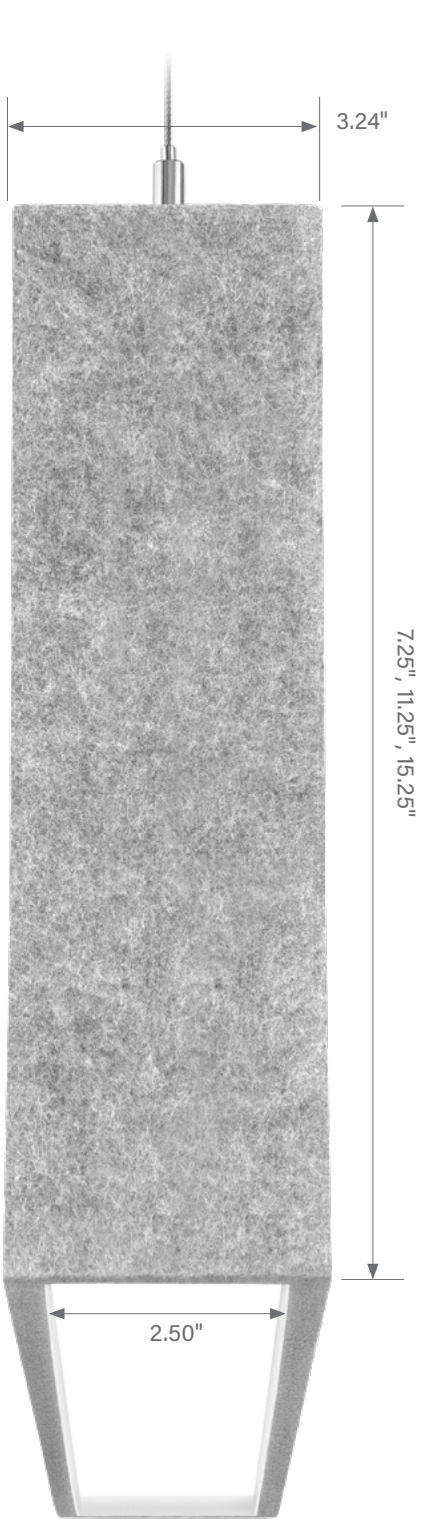
12" HEIGHT | 18" ON-CENTER SPACING





Seem 1 Acoustic Direct, Direct/Indirect

Seem 1 Acoustic Unlit



Seem 2 Acoustic
Direct, Direct/Indirect

OPTIMIZING LIGHT LEVELS AND COSTS

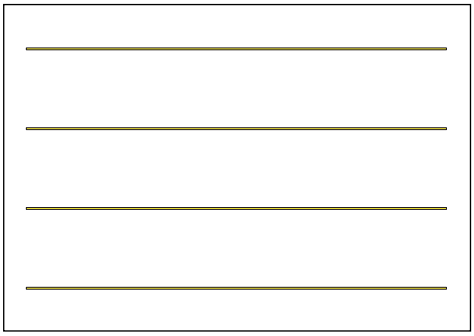
With lumen outputs up to 1200LF direct and 1000LF indirect, Seem 2 Acoustic allows for greater spacing between luminaires while achieving the required light levels and maintaining ceiling and work plane uniformity. This reduces the number of luminaires required, helping meet the lighting and acoustic requirements, as well as the budget of each application.

SEEM 1 ACOUSTIC, REGRESS LENS



LUMINAIRE SPACING	8' OC
LUMEN OUTPUT	500lm/ft
AVERAGE FOOTCANDLES	48fc
WORK PLANE UNIFORMITY	2.22

SEEM 2 ACOUSTIC, REGRESS LENS



LUMINAIRE SPACING	10' OC
LUMEN OUTPUT	750lm/ft
AVERAGE FOOTCANDLES	52fc
WORK PLANE UNIFORMITY	2.38

Calculation details

Ceiling Height:14ft | Room Dimensions: 35ft x 50ft | Suspension: 24"
Workplane: 2.5' AFF | LLF: 0.9 | Reflectances: 80/50/20

Linear
Architectural Systems

AIRCORE BLADE

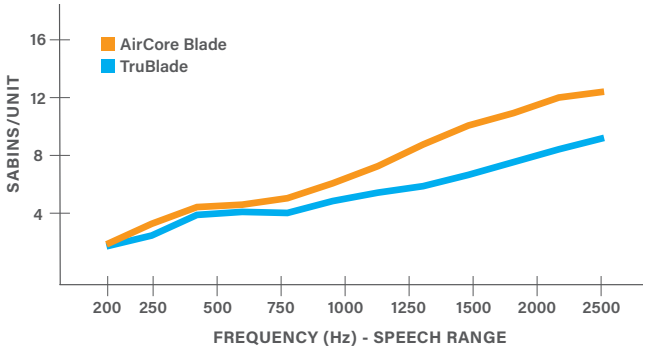
- Standard nominal heights of 8", 12" or 16"
- 1.08" width
- Standard lengths available in 2' to 8' lengths in 1" increments
- AirCore® technology: patented, eco-friendly technology that maximizes sound absorption and reduces ecological impact
- Aircraft cable, direct-to-grid or direct-to-strut mounting

TRUBLADE

- Standard nominal heights of 8", 12" or 16"
- 9mm width
- Standard lengths available in 2' to 8' lengths in 1" increments
- Top metal extrusion optimizes stability and straightness
- StrutKlip, magnet or cable mounting

ACOUSTIC PERFORMANCE

12" HEIGHT | 18" ON-CENTER SPACING





AirCore Blade



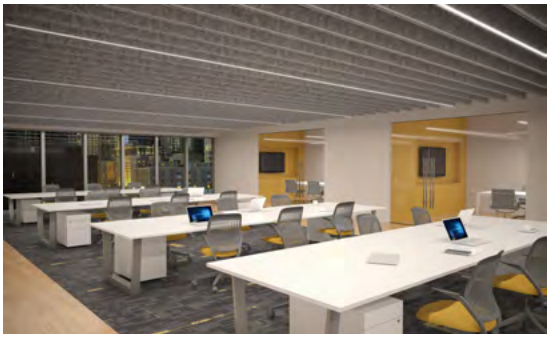
TruBlade

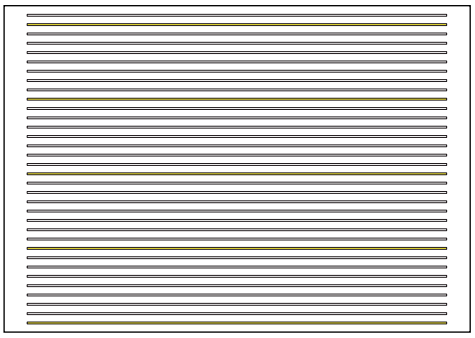


Linear
Architectural Systems

SEEM 1 ACOUSTIC

MEDIUM-DENSITY

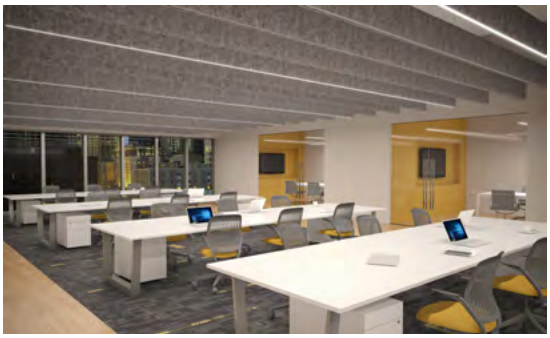


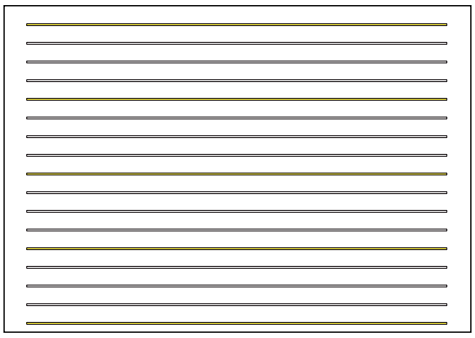


SPACING	12" OC
SABINS/FT²	1.26

(5) 45' Seem 1 Acoustic luminaires
(29) 45' Seem 1 Acoustic baffles

LOW-DENSITY



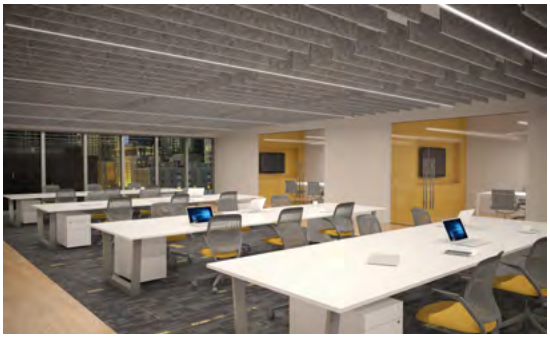


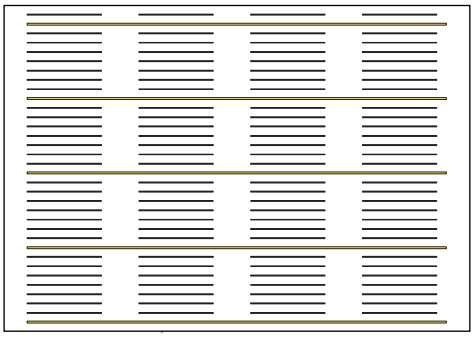
SPACING	24" OC
SABINS/FT²	0.72

(5) 45' Seem 1 Acoustic luminaires
(12) 45' Seem 1 Acoustic baffles

AIRCORE BLADE & SEEM 1 ACOUSTIC

MEDIUM-DENSITY





SPACING	12" OC
SABINS/FT²	0.80

(5) 45' Seem 1 Acoustic luminaires
(116) 8' AirCore Blade baffles

DESIGN GUIDELINES

Linear systems offer tremendous flexibility for designing for light and sound. Various product combinations, from the best performing Seem Acoustic to the most economical TruBlade, as well as different baffle heights and spacing can be used to optimize reverberation times and light levels.

Calculation details

Ceiling Height:14ft

Room Dimensions: 35ft x 50ft

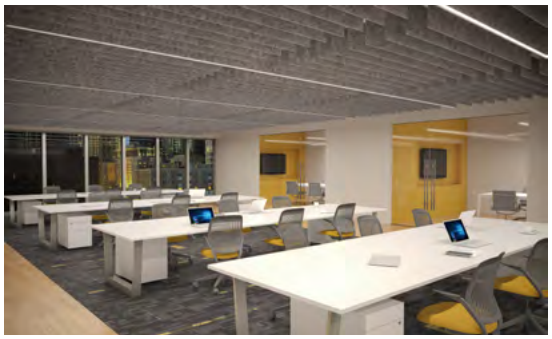
Baffle Height: 12"

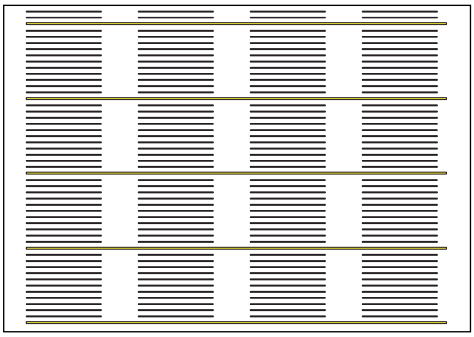
Baffle Array Square Footage: 1494 ft²

Sabins/ft² based on 1000Hz

TRUBLADE & SEEM 1 ACOUSTIC

HIGH-DENSITY





SPACING	8" OC
SABINS/FT²	0.77

(5) 45' Seem 1 Acoustic luminaires
(184) 8' TruBlade baffles

MEDIUM-DENSITY





SPACING	12" OC
SABINS/FT²	0.77

(5) 45' Seem 1 Acoustic luminaires
(116) 8' TruBlade baffles

TRUBLADE & SEEM 2 ACOUSTIC

OPEN OFFICE



DESIGN INSPIRATION

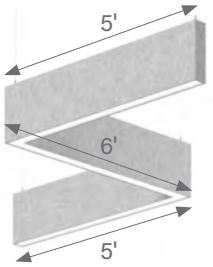
Linear baffles can also be used to add drama to the ceiling. Baffles are used to create a geometric pattern that heightens architecture while dampening sound levels.

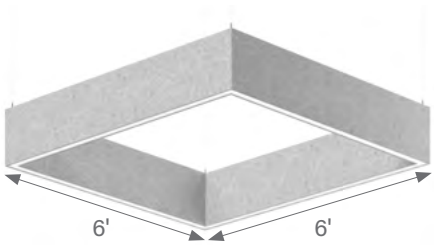
Linear
Architectural Systems

DESIGNING PATTERNS WITH 90° FULLY ILLUMINATED OR UNLIT CORNERS

Left and right corners help create intricate patterns

- 5' minimum leg length for L patterns
- 6' minimum leg length for U and rectangular patterns
- Up to 208' of uninterrupted illumination or acoustic baffle length





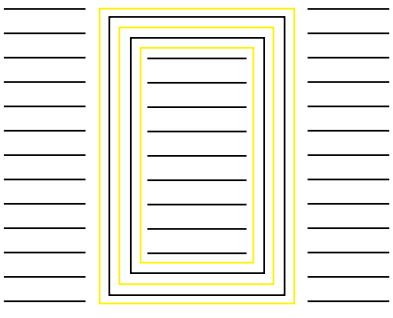
SEEM 2 ACOUSTIC & AIRCORE BLADE

MULTI-PURPOSE ROOM



DESIGN INSPIRATION

Fully illuminated and unlit concentric rectangles combined with straight baffles form a dynamic pattern, while the monochromatic palette conveys a serene visual and acoustical ambiance for this multi-purpose room.



8" Baffle height

12" Baffle spacing

Rectangle patterns, direct distribution and unlit

Unlit AirCore Blades

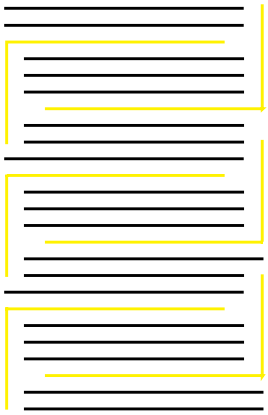
DESIGN GUIDELINES

Seem 1 & 2 Acoustic offer 90°, fully illuminated or unlit corners. enabling the creation of unique patterns that enhance the ceiling plane, interior architecture, and occupants' comfort. Corners and continuous lines of light up to 208' in length, available for Lambertian, batwing, and asymmetric direct and indirect illumination help designers turn their vision into reality, without cutting corners.

SEEM 1 ACOUSTIC

OPEN OFFICE





DESIGN INSPIRATION
Simple contrasting L patterns with direct and indirect illumination frame unlit Seem 1 Acoustic baffles to add rhythm to this open office space. The bi-directional illumination imparts a sense of height and lightness to the room.

8" Baffle height

12" Baffle spacing

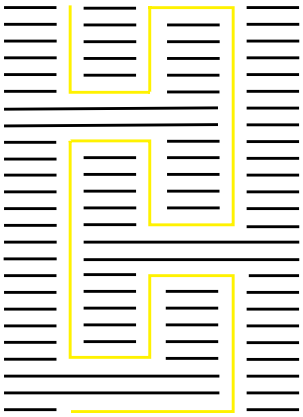
L patterns, direct/indirect distribution

Unlit runs

SEEM 1 ACOUSTIC

OPEN OFFICE





DESIGN INSPIRATION
This intricate pattern leverages the left and right, fully illuminated 90° corner capabilities of Seem 1 Acoustic. The motif draws the eye towards the large expanse of floor-to-ceiling windows that connect occupants to the outdoors. The green PET felt and abundance of plants add additional elements of biophilic design.

8" Baffle height

12" Baffle spacing

Continuous custom pattern, direct distribution

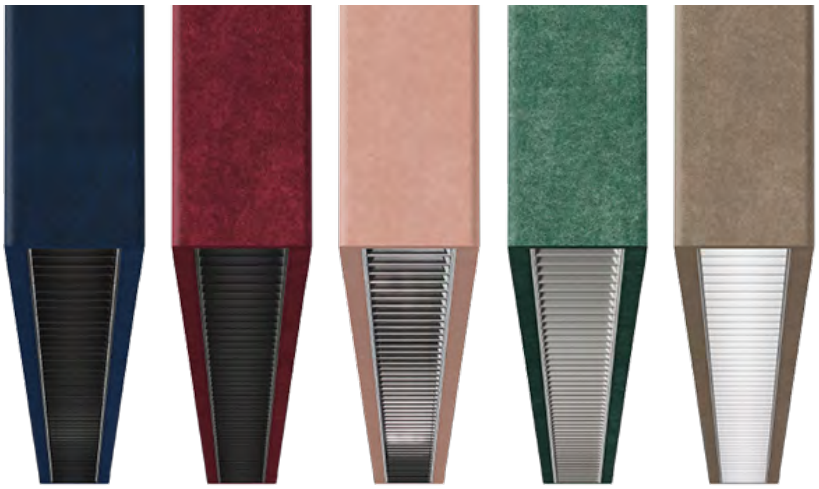
Unlit runs

Linear
Architectural Systems

DESIGNING WITH SEEM 1 ACOUSTIC LOUVER WITH ID+® TECHNOLOGY

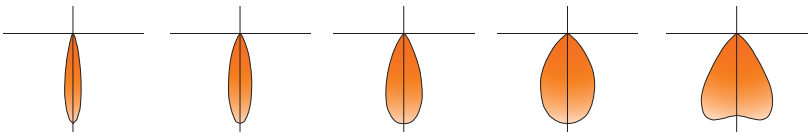
Louver cells leverage the ID+ technology used in the ID+ family of downlights and cylinders, as well as in the Seem 1 Louver linear luminaires to deliver precise and powerful illumination with consistent light quality.

- Fully louvered individual units or linear runs up to 208' in 6" increments
- Visual comfort with deep 60˚ regress
- Diversity of louver finishes to tailor how the light is perceived and experienced
- Broad range of beam spreads



Midnight Blue + Black Specular | Berry + Matte Black | Blush + Clear Specular | Seafoam + Clear Diffuse | Hazelwood + Matte White

LOUVER DISTRIBUTIONS



Narrow Flood 20˚ | Flood 1 29˚ | Flood 2 43˚ | Wide Flood 67˚ | Louver Mixing Chamber 68˚

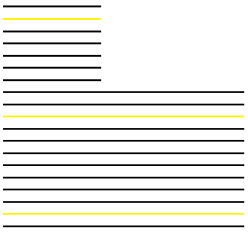
SEEM 1 ACOUSTIC LOUVER & UNLIT

SKI LODGE



DESIGN INSPIRATION

Seem 1 Acoustic Louver brings acoustical and visual comfort to this serene space. The tranquil louvered optics, independently controlled from the indirect light distribution, contribute to a cozy atmosphere further enhanced by the use of Light Oak from The Naturals collection.



8" Baffle height

6" Baffle spacing

4ft Luminaire spacing

DESIGN GUIDELINES

Seem 1 Acoustic Louver offers a variety of optics – from Narrow Flood to Very Wide Flood and Louver Mixing Chamber – to deliver broad, ambient lighting or highly focused, task lighting. Marrying the various louver finishes with an extensive PET felt color palette, designers achieve stunning creations that contribute to acoustically sound, visually appealing, thus beautifully comfortable interior environments.

SEEM 1 ACOUSTIC LOUVER & AIRCORE BLADE

OFFICE BREAKOUT SPACE



DESIGN INSPIRATION

Calm and subdued, energized and modern, or resoundingly bold, PET felt hues and louver cell finishes come together to transform spaces and set the right mood for each environment.





SEEM 1 ACOUSTIC LOUVER & MORA ARCH

RESTAURANT



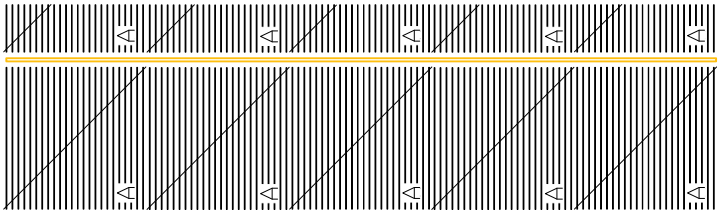
DESIGN INSPIRATION

Leveraging a common palette for flawless color coordination and the ID+ Technology to ensure a consistent light quality, companion downlights, cylinders, linear luminaires, and integrated acoustic ceiling systems come together as cohesive and impactful solutions.

8" Seem 1 Louver height

8' x 8' Arch A modules + custom 2' x 8' Arch A modules

4" Baffle spacing







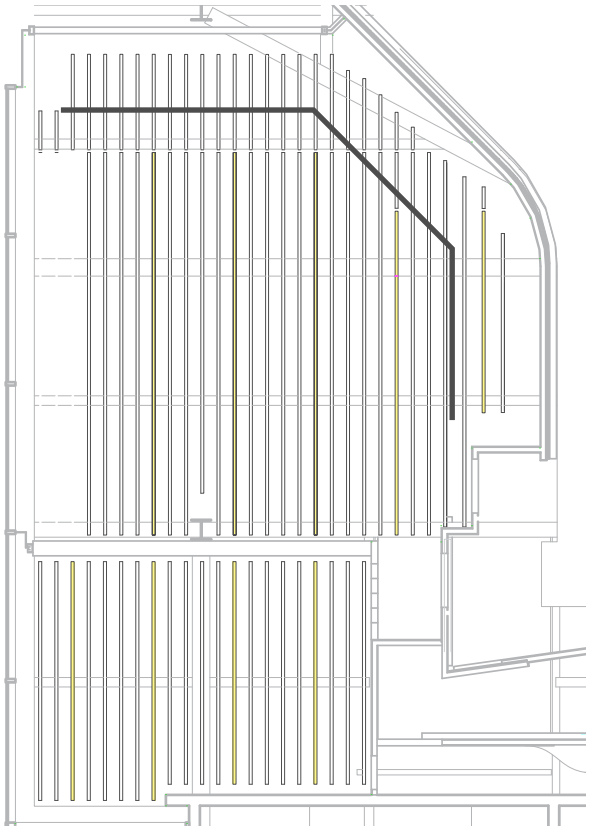
ACOUSTIC PERFORMANCE

Space	Baffle Layout		Reverberation Time (RT)
Training Room	None		0.85
	30 rows	**12" High**	**0.62**
Conference Room	None		1.05
	31 rows	**12" High**	**0.76**

"Using Seem 1 Acoustic was a way for us to showcase products that were emerging in the market and were relevant to what we needed. It also helped us achieve the cleanliness of having one system to answer both lighting and acoustics."

Connor Peirce, Senior Associate
Omniplan

TRAINING ROOM LAYOUT



30 rows | various lengths | 12" high | 12" O.C. spacing

AD EX DALLAS

The American Institute of Architects (AIA Dallas) and the Architecture and Design Foundation (formerly DCFA) converged in a new space to form AD EX, the Architecture and Design Exchange.

Problem:
The existing, two-story space featured an odd-shaped layout, low ceilings, and a large amount of glass. The two floors were intended to serve different purposes: the first floor would be a multi-use space designed to host groups and events while the second floor would be home to the AIA Dallas headquarters with administrative offices, a conference room, and a members' lounge.

Solution:
The design team opted to remove the low ceiling, revealing an open structure, and used the ceiling plane to unify the space. The integrated Seem 1 Acoustic lighting and baffle system helped create that visual harmony. It was used throughout the first floor, together with a moveable partition, providing the flexibility to divide the space to accommodate diverse activities, controlling sound levels, and optimizing lighting. Thirty runs, continuous and individuals, of 12-inch tall Seem 1 Acoustic direct luminaires and baffles, with 12-inch on-center spacing were integrated into the space. The Seem 1 Acoustic system was also used in the second-floor conference room where a coffered ceiling effect was created over the conference table by hanging standard baffles at different heights. This mitigates reverberation issues and addresses the lighting needs of the room.

Result:
After removing the ceiling, reverberation times (RT) of 0.85 second and 1.05 seconds were recorded in the first-floor training room and conference room, respectively. Not only did the Seem 1 Acoustic system provide flexibility to the design team with custom lengths, individual units and continuous runs, it reduced the reverberation times by approximately 30 percent, bringing RT in the desirable range for those spaces. The Seem 1 Acoustic system has enhanced the AD EX by optimizing lighting and noise levels and it has earned the praises of many visitors for the harmonious visual effect and comfort it imparts.

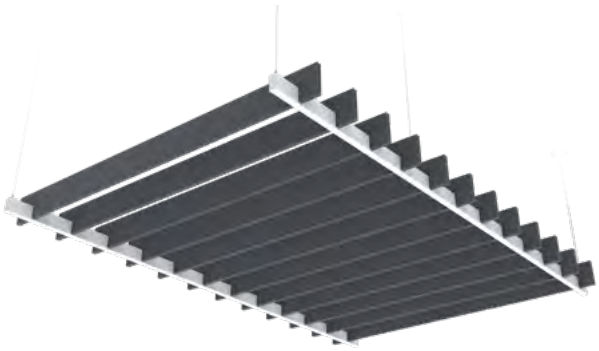
Linear
Architectural Systems

AIRCORE BRIDGE SYSTEM

- Integrated ceiling system using AirCore Blade and Seem 1 Suspended luminaire
- Three standard configurations: Truss, Cantilever, Cantilever Wave and custom configurations available upon request

TRUSS

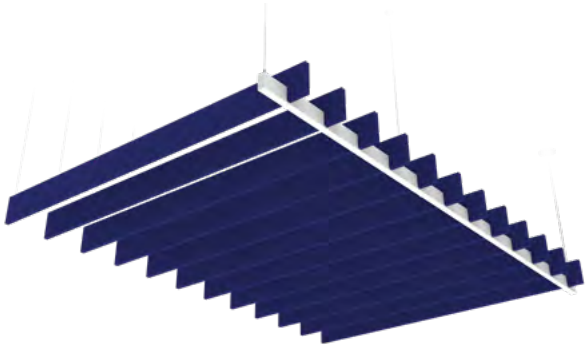
Inspired by the framework used to support a roof or a bridge, Truss uses two Seem 1 luminaires as the rails that support AirCore Blade baffles. Installation is greatly simplified as the baffles rest on the luminaires, eliminating all baffle suspension points.



Luminaires on-center spacing of 4', 5', 6', or 7'.

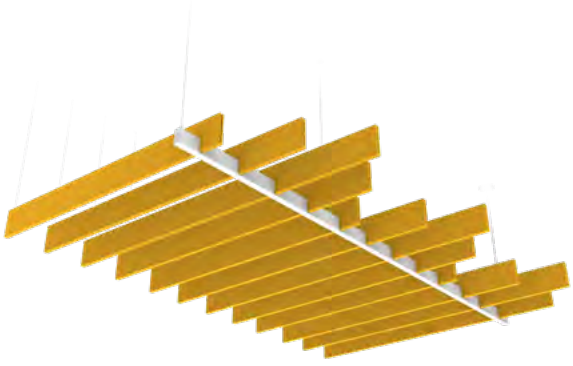
CANTILEVER

Mimicking a cantilever structure, where a rigid structural element, supported at only one end extends horizontally, Cantilever creates a visual effect where the AirCore Blade baffles appear to be floating in the space, resting on one Seem 1 luminaire and hanging from the ceiling with a single suspension point at the other extremity.



CANTILEVER WAVE

Cantilever Wave adds movement and visual interest to the traditional cantilever structure with varied length baffles resulting in an asymmetric edge. Not only do the baffles appear to project from the Seem 1 luminaire, the jagged edge ads to their airy appearance. As with Cantilever, only one suspension point is needed per baffle, the other extremity resting on the Seem 1 luminaire.



Baffles on-center spacing of 12".



Linear
Architectural Systems

AIRCORE BLADE

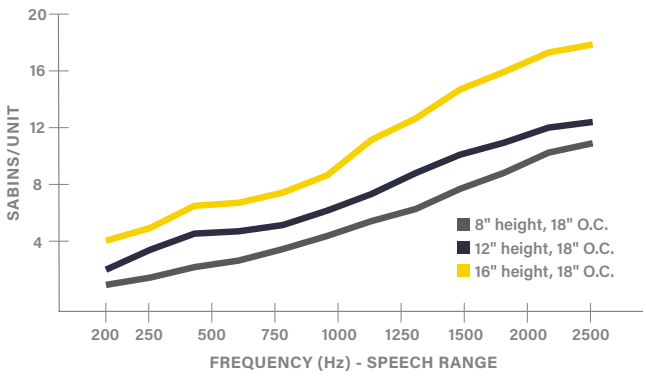
- 1.08" width
- 8", 12" or 16" nominal heights
- 5', 6', 7' and 8' lengths
- 12", 18", 24" on-center spacing*
- AirCore® technology: patented, eco-friendly technology that maximizes sound absorption and reduces ecological impact.
- Aircraft cable mounting**

SEEM 1 SUSPENDED DIRECT LUMINAIRES

- Individual units of 6' minimum and runs up to 208' as a standard
- Flush, Batwing, and 0.5" Pop-Down lens
- Direct light distribution, 125 – 625 lumens per foot
- Driver options: 0-10V, Lutron EcoSystem®, DALI
- PoE compatible
- Aircraft cable mounting

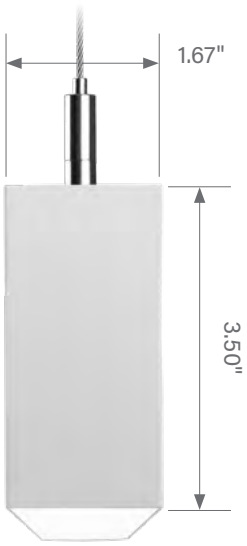
ACOUSTIC PERFORMANCE

8", 12" & 16" HEIGHTS | 18" ON-CENTER SPACING





AirCore Blade



Seem 1

*12" on-center spacing only for Cantilever Wave **Truss systems are supported by luminaires

HOW TO SPECIFY AIRCORE BRIDGE

1. Select a configuration: Truss, Cantilever or Cantilever Wave
2. Determine luminaire length and spacing based on room size and lighting requirements
    a. Truss requires two luminaires
3. Determine baffle length based on luminaire spacing
4. Determine baffle height and on-center spacing* based on aesthetic and acoustic requirements
5. Select baffle color and luminaire lighting options
6. Repeat for each array

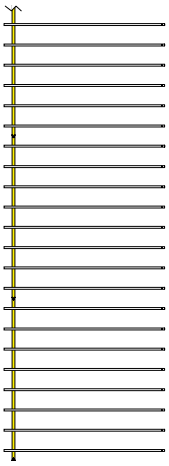


Linear
Architectural Systems

AIRCORE BRIDGE - CANTILEVER

CORRIDOR





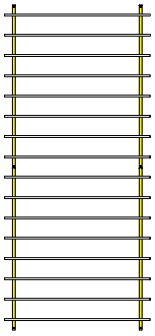
DESIGN INSPIRATION
A long run of dark blue baffles echoes the color scheme of the flooring and creates a tray ceiling effect, turning the hallway into a comfortable space for impromptu gatherings.

8" Baffle height
12" Baffle spacing
8' Baffle length

AIRCORE BRIDGE - TRUSS

CONFERENCE ROOM





DESIGN INSPIRATION
A simple array blends in with the minimalist aesthetic of this conference room by using a dark grey color scheme and playing off the linear pattern found on the accent wall.

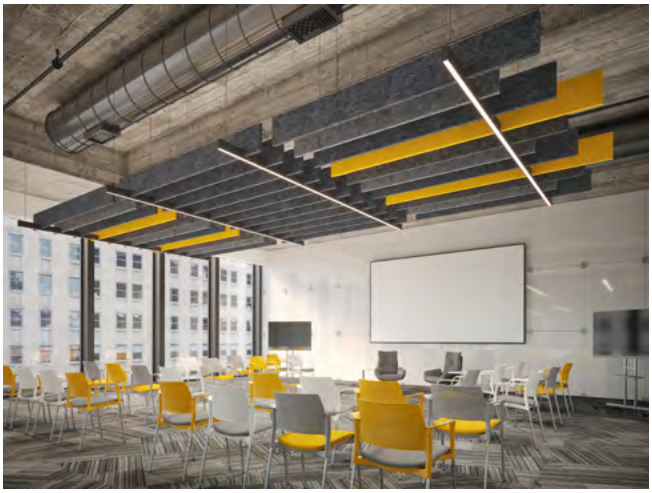
12" Baffle height
12" Baffle spacing
7' Baffle length
16' Luminaire length

DESIGN GUIDELINES

AirCore Bridge is offered in three standard configurations that offer a host of design options. Each can be used as a standalone system or combined over large ceiling expanses. A broad palette of PET felt colors enhances a variety of interiors with neutral tones and bold hues.

AIRCORE BRIDGE - CANTILEVER, TRUSS, AND CANTILEVER WAVE

MEETING SPACE



DESIGN INSPIRATION

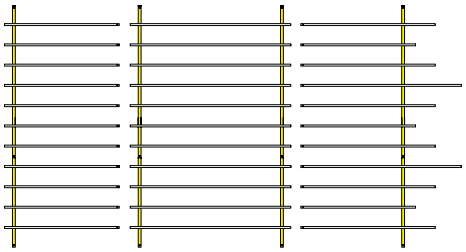
The three configurations come together in custom, multi-colored arrays that add a pop of color and welcomed sound dampening to this space where hard surfaces are prominent.

12" Baffle height

12" Baffle spacing

11' 6" Luminaire length

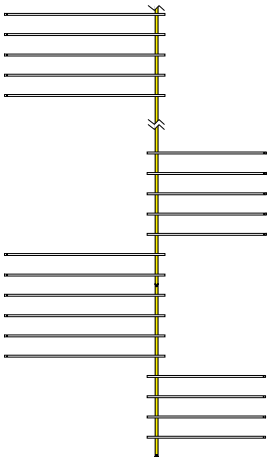
6' & 8' Baffle lengths and a custom pattern



AIRCORE BRIDGE - CUSTOM CANTILEVER AND TRUSS

MIXED USE





DESIGN INSPIRATION

A custom Cantilever array in bold yellow further enlivens this dynamic space while Truss arrays provide quiet and comfort over a working area.

16" Baffle height

12" Baffle spacing

6' & 8' Baffle lengths

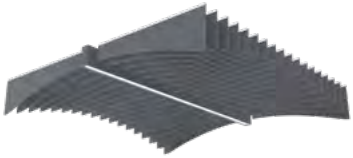
Linear
Architectural Systems

MORA SYSTEM

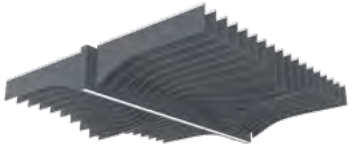
- Integrated ceiling system using TruBlade and Seem 1 Acoustic luminaire
- Specify unique ceilings using the standard designs offered for Mora Build and Mora Create or design an entirely custom ceiling with Mora Inspire and the support of our team

MORA BUILD

Mora Build literally offers the building blocks to your next acoustic ceiling. The two standard designs of Arch and Wave are available in nominal square modules from 4 to 8 feet, lit or unlit. Several modules can be combined over large surface areas, resulting in rhythmic and playful ceilings.



ARCH



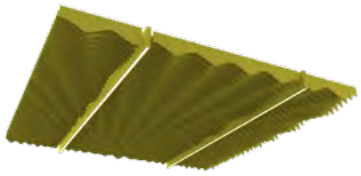
WAVE

MORA CREATE

Mora Create gives you the freedom to design custom-sized arrays to fit the exact dimensions of your room using three designs: Alpine, Radiate or Ripple. Each offers a singular visual aesthetic and allows for placement of the luminaires to fulfil the lighting requirements of the space.



ALPINE



RADIATE



RIPPLE

MORA INSPIRE

Let your imagination run wild with the support of our design and engineering team. We will turn your inspiration into a showpiece ceiling. Contact us at acoustic.solutions@focalpointlights.com to discuss your project.




Cw7aoz kwásu lhíkt̓smíńku sqwál'ut; Wá7lhkacw zwáten ku smáwal̓.
Ku p̓ańts̓áll I s7úcwalmícwt̓sa ku p̓á7cwantall I tákemlhkálha sléxlex
nllh I s7úcwalmícwt̓sa wa7 hálhantall I tákma száytens I
ucwucwalmícwa.
I wa7 kwezúsmlńtall I wa7 ka p̓ańtállha I smáwala wa7 tsút kwas
ts̓élts̓ílla múta7 pála7 I tákéma sntákmen múta7 I tákema sléxlex – nllh I
skwezúsma wa7 ka amastalha I smawallhkálha.
Lorna Wúnsts'a7 Williams, Lil'watul
You're not learning a word; you're learning a world.
Language reclamation is about expanding the diversity of our
knowledge because language is an expression of the accumulated
experiences of people.
Those who do revitalization work say that biodiversity and knowledge
diversity are one and the same – it is work that makes our world better.
Dr. Lorna Wúnsts'a7 Williams,
Member of Lil'wat First Nation

Linear
Architectural Systems

TRUBLADE

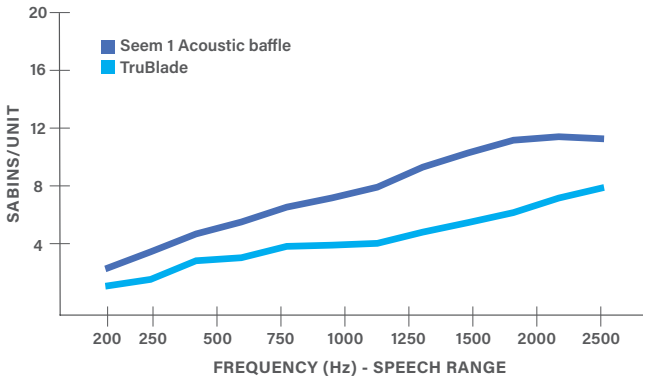
- 9mm width
- 4", 6", or 12" on-center spacing
- Top metal extrusion optimizes stability and straightness
- StrutKlip, magnet or cable mounting

SEEM 1 ACOUSTIC

- Narrow luminaire: 1.5" lens aperture / 2.27" housing width
- Regress or batwing lens
- Direct light distribution, 100-500 lumens per foot
- 3000K, 3500K or 4000K, 80 or 90 CRI
- 0-10V, DALI or Lutron EcoSystem® dimming
- Uses AirCore® Technology to maximize sound absorption and minimize ecological impact
- Some designs require a fixed luminaire length, others can be continuous runs
- Aircraft cable or direct to strut mounting

ACOUSTIC PERFORMANCE

12" HEIGHTS | 12" ON-CENTER SPACING





TruBlade

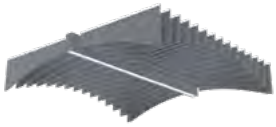


Seem 1 Acoustic Direct

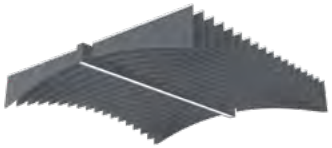
MORA BUILD MODULES



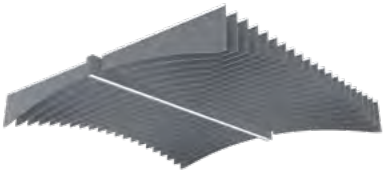
4x4
(47.75" x 47.75")



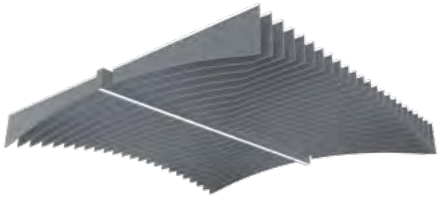
5x5
(59.75" x 59.75")



6x6
(71.75" x 71.75")



7x7
(83.75" x 83.75")



8x8
(95.00" x 95.75")



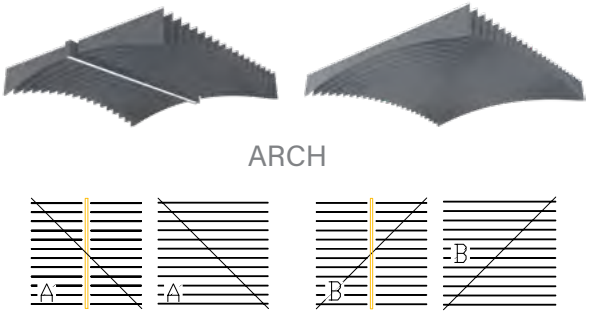
Linear
Architectural Systems

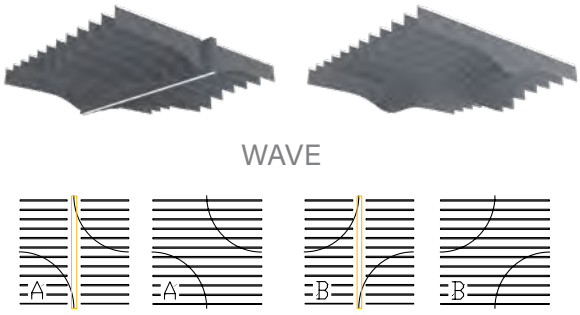
HOW TO SPECIFY MORA BUILD

1. Determine the overall ceiling dimensions for the system



2. Select Arch or Wave
3. Select A or B style modules, or a combination of both





4. Determine the lighting requirements to select the module sizes
5. Select the on-center spacing of the baffles



LIT AND UNLIT MODULE CONFIGURATIONS	MODULE SIZE				
	4x4	5x5	6x6	7x7	8x8
	On-center luminaire spacing				
	4ft	5ft	6ft	7ft	8ft
	8ft	10ft	12ft	14ft	16ft
	12ft	15ft	18ft		
	16ft				

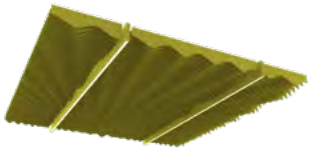
6. Select baffle color and luminaire lighting options

HOW TO SPECIFY MORA CREATE

1. Determine the overall ceiling dimensions for the system
2. Select Alpine, Radiate, or Ripple



ALPINE



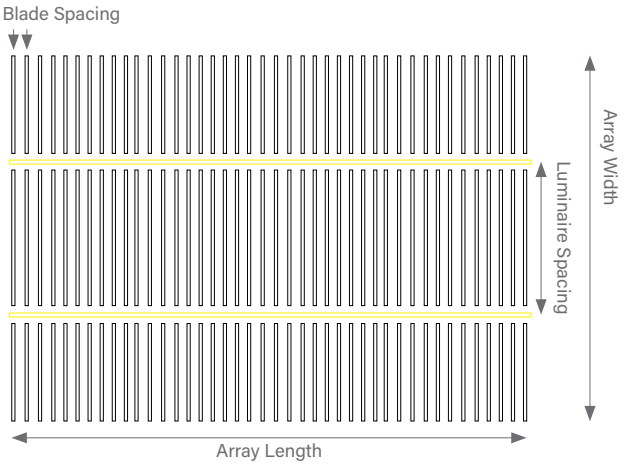
RADIATE



RIPPLE



3. Determine the lighting requirements to specify the placement of the luminaires
4. Select the on-center spacing of the baffles
5. Select baffle color and luminaire lighting options
6. Submit the filled out cut sheet and questionnaire to our team



HOW TO DESIGN A CUSTOM SYSTEM WITH MORA INSPIRE

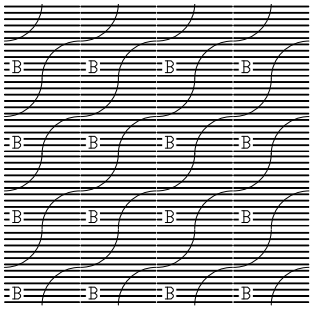
Contact our team at acoustic.solutions@focalpointlights.com to discuss your idea.

Linear
Architectural Systems

MORA BUILD WAVE

MULTI-PUPOSE ROOM





DESIGN INSPIRATION

Mora Build Wave in Blush creates a calming atmosphere in this educational facility's multi-purpose room. The smooth alternating curves reinforce the connection to the outdoors, delivered by the large windows and the nature-inspired décor.

6' x 6' Wave B modules

6" Baffle spacing

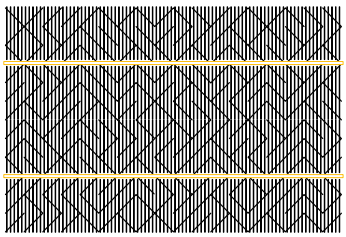
MORA CREATE ALPINE

OFFICE



DESIGN INSPIRATION

The angular design of Alpine in Slate elevates the modern look of this office that blends warm earth tones with shades of grey and black. Two rows of Seem 1 Acoustic, spaced 10 feet apart, supplement the natural light from the large windows.



30' x 20' Array

4" Baffle spacing

10ft Luminaire spacing

DESIGN GUIDELINES

Mora offers five standard designs as part of Mora Build and Mora Create. The square modules of Mora Build, available with the Arch or Wave design, are simple building blocks used to create ceiling arrays. Mora Create offers three designs: Alpine, Radiate, and Ripple, that can be scaled to the exact dimensions of a space. All options, offered in a broad palette of PET felt colors, allow for lighting integration to meet the requirements of each application.

MORA CREATE RADIATE

ATRIUM



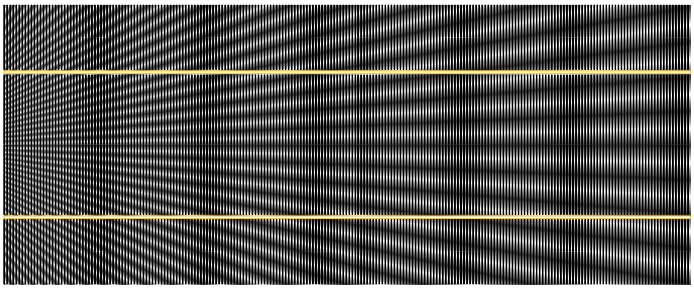
DESIGN INSPIRATION

This large atrium was the perfect blank canvas for Mora Create Radiate. Not only does the pattern have a stunning visual presence over the staircase, it also helps control noise levels and provides comfortable ambient lighting in this high-traffic area.

86' x 35' Array

4" Baffle spacing

16ft Luminaire spacing



MORA CREATE RIPPLE

LIBRARY



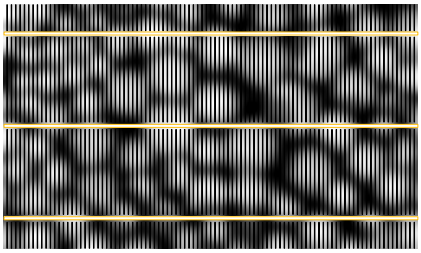
DESIGN INSPIRATION

Visitors to this public library experience the calm of being under water with the sound-attenuating presence of Ripple in Seafoam. The gentle waves fill the space with organic undulations in a soothing blue-green color.

50' x 22' Array

6" Baffle spacing

8ft Luminaire spacing



Ceiling Tile Systems

Acoustic ceiling tile systems invite creativity and impart a bold statement into any interior space. 2'x2' ceiling tiles are designed to fit into 9/16" and 15/16" grids, providing the building blocks to easily create eye-catching and sound-dampening ceilings that enhance architecture and occupants' comfort. A cut and fold fabrication technique yields crisp, defined edges and superior acoustic performance. The various tiles are offered in dozens of hues to complement any color scheme. Combine with architectural troffers, downlights or linear luminaires to turn the ceiling into a cohesive, textural system that optimizes light and sound levels.

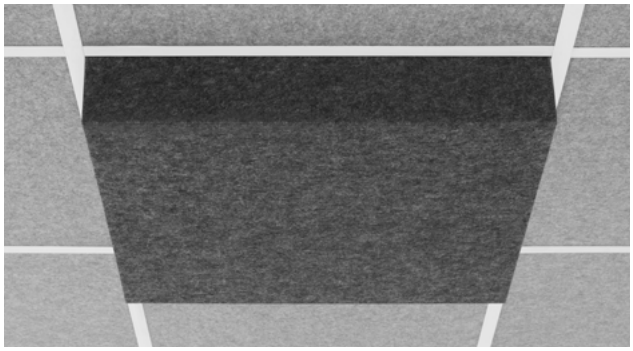
- **Nivo® Acoustic**
- **Ori®**



Ceiling Tile Systems

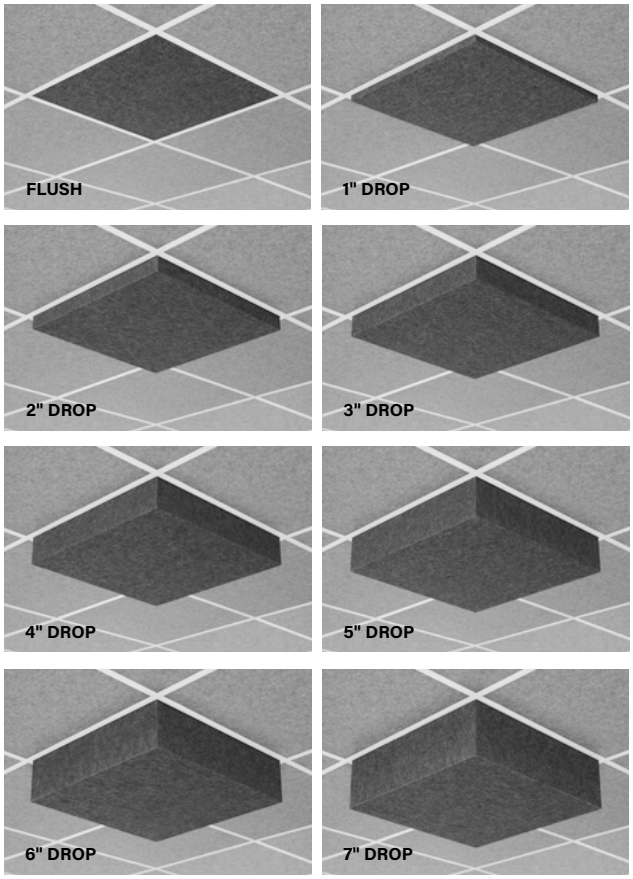
NIVO ACOUSTIC

- Sound absorbing ceiling tile companion to the Nivo luminaire
- Standard 2x2 tile format; other dimensions available as custom upon request
- Various drop heights from flush to 7" down from the ceiling plane in 1" increments
- Cut and folded, not thermoformed, to yield crisp, defined edges
- Designed for 9/16" and 15/16" T grid ceilings
- Can be installed in existing or new grid ceilings, integrated in drywall ceilings with ACT transition or used in a suspended ceiling cloud
- Plenum option meets construction requirements for CCEA (Chicago Plenum) marking, 2015 IMC 602.2 & 2018 NFPA 90A
- AirCore® technology: patented, eco-friendly technology that maximizes sound absorption and reduces ecological impact
- Pair with Nivo luminaires to create an integrated cloud system with a coordinated look

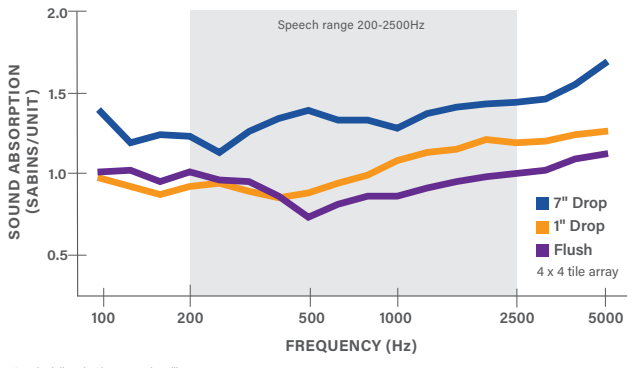


Acoustic - 4" drop shown

Flush to 7" drop



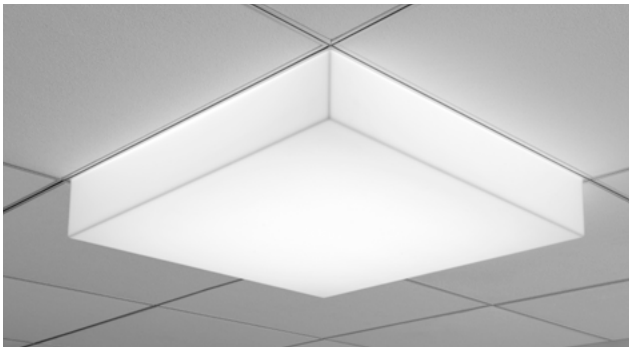
ACOUSTIC PERFORMANCE



*Standard tile only. Plenum results will vary.

NIVO

- Various drop heights from flush to 7" down from the ceiling plane in 1" increments
- Solid or hollow diffuser design
- Up to 4000 lumens
- Driver options: 0-10V and Lutron EcoSystem®
- PoE compatible



Luminaire - 4" drop shown



Ceiling Tile Systems

NIVO ACOUSTIC & NIVO

CONFERENCE ROOMS



4	2	1	4
1	2	3	2
2	5	2	3
3	2	4	2
4	1	3	5

ROOM AREA	3,840ft^2
TOTAL SABINS	638.2
RT(60)	0.29s

(1) 5" drop acoustic tile
(3) 4" drop acoustic tiles
(3) 3" drop acoustic tiles
(4) 2" drop acoustic tiles
(3) 1" drop acoustic tiles

(3) 2" drop luminaires
(1) 3" drop luminaire
(1) 4" drop luminaire
(1) 5" drop luminaire

*per cluster

NIVO ACOUSTIC & NIVO

5X5 DIAMOND



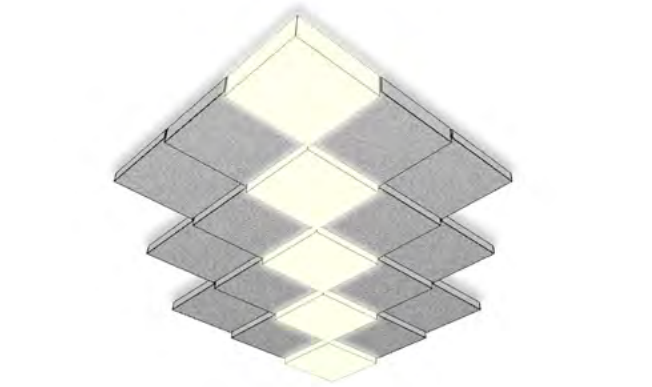
2	4	7	4	2
4	7	4	7	4
7	4	2	4	7
4	7	4	7	4
2	4	7	4	2

DESIGN INSPIRATION
A dynamic pattern which can easily be repeated over large ceiling expanses to create a quilted effect.

(8) 7" drop luminaires
(5) 2" drop acoustic tiles
(12) 4" drop acoustic tiles

NIVO ACOUSTIC & NIVO

3X5 RIDGE



7	5	3		
5	7	5	3	
3	5	7	5	3
	3	5	7	5
		3	5	7

DESIGN INSPIRATION
A diagonal crest that slopes away on either side offers a myriad of possibilities to create cross and zigzag patterns.

(5) 7" drop luminaires
(6) 3" drop acoustic tiles
(8) 5" drop acoustic tiles

DESIGN GUIDELINES

Nivo Acoustic and Nivo architectural troffer offer unlimited possibilities to add texture and color to the ceiling while filling the space with comfortable ambient lighting.

NIVO ACOUSTIC & NIVO

3X5 CHECKER



2	4	2	4	2
4	2	4	2	4
2	4	2	4	2

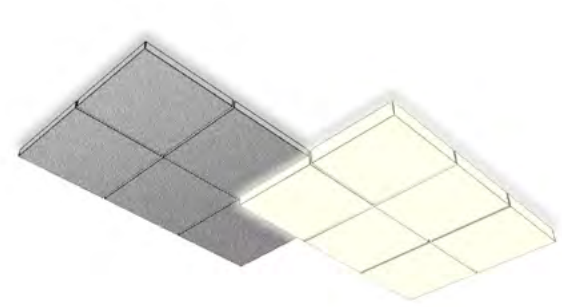
DESIGN INSPIRATION
A uniform pattern imparts a sense of unity and can be enhanced with additional colors.

(7) 4" drop luminaires

(8) 2" drop acoustic tiles

NIVO ACOUSTIC & NIVO

2X3 OVERLAP



		4	4	4
2	2	4	4	4
2	2	2		

DESIGN INSPIRATION
Overlapping large surface areas of acoustic tiles and architectural troffers, with different drop heights, add interesting layers to the ceiling and can help define areas within an open space.

(6) 4" drop luminaires

(5) 2" drop acoustic tiles

NIVO ACOUSTIC & NIVO

OPEN OFFICE



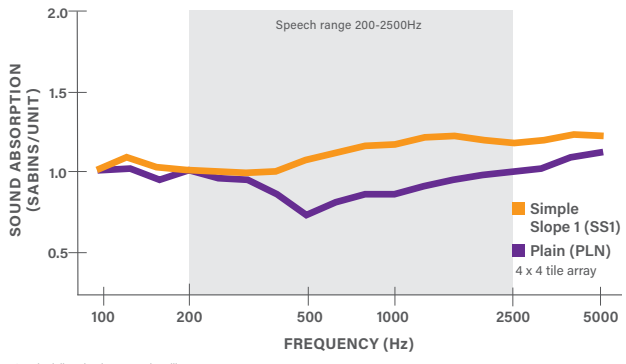
DESIGN INSPIRATION
Diamond-patterned clouds hover over an open space, supplementing the natural light, adding a punch of color, and bringing a sense of coziness to the room with a lower ceiling plane and more comfortable acoustics.

Ceiling Tile Systems

ORI

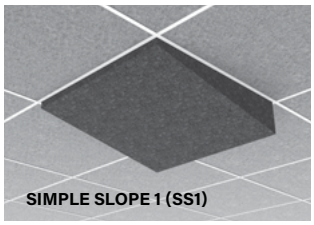
- Sound absorbing ceiling tile, standard 2x2 format; other dimensions available as custom upon request
- 10 design variations to add dimension to the ceiling plane
- Cut and folded, not thermoformed, to yield crisp, defined edges
- Designed to fit in 9/16" and 15/16" T grid ceilings
- Can be installed in existing or new grid ceilings, integrated in drywall ceilings with ACT transition or used in a suspended ceiling cloud
- Plenum option meets construction requirements for CCEA (Chicago Plenum) marking, 2015 IMC 602.2 & 2018 NFPA 90A
- AirCore® technology: patented, eco-friendly technology that maximizes sound absorption and reduces ecological impact
- Integrates with architectural troffers, downlights, linear recessed, and suspended luminaires

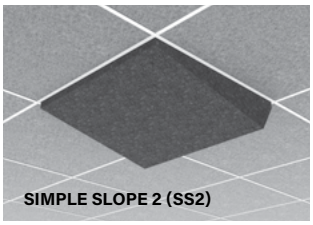
ACOUSTIC PERFORMANCE

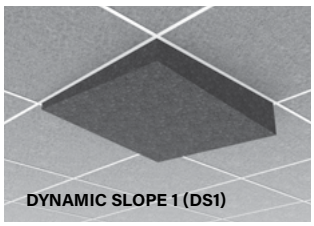


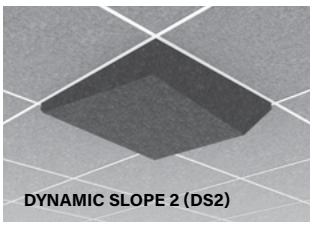
*Standard tile only. Plenum results will vary.

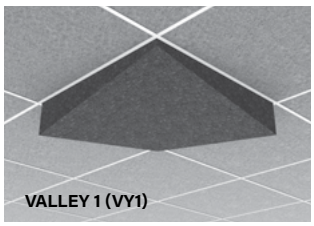
Design variations

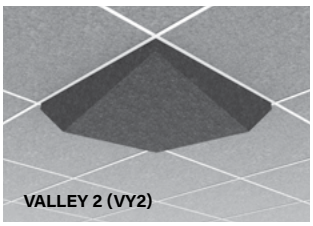


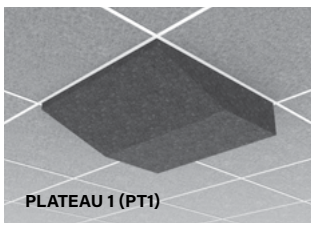


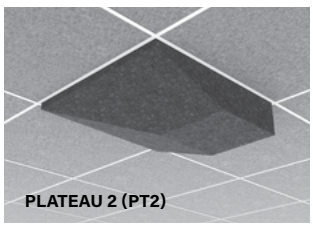


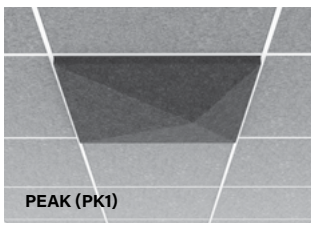


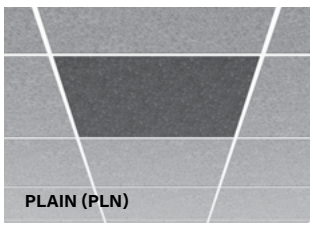












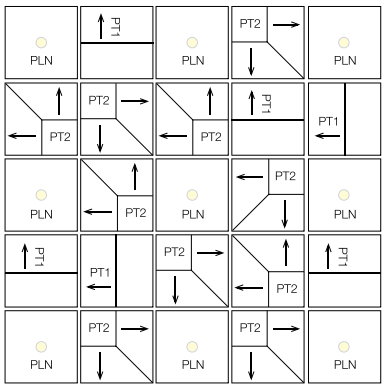


Ceiling Tile Systems

ORI & ID+ 3.5" DOWNLIGHTS

RECEPTION



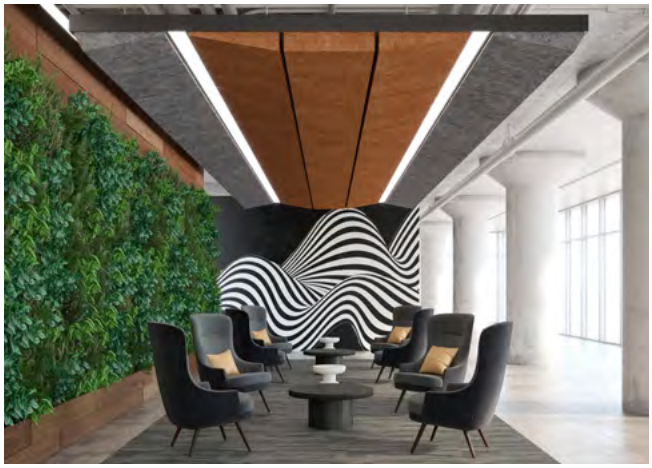


DESIGN INSPIRATION
Downlights easily integrate with Plain tiles in this suspended ceiling cloud, reminiscent of a rugged, rocky landscape that adds flair to the reception area.

(6) Plateau 1 (PT1)
(10) Plateau 2 (PT2)
(9) Plain (PLN)
(9) ID+ 3.5" Downlights

ORI, NIVO ACOUSTIC & SEEM 4 RECESSED

OPEN SEATING





DESIGN INSPIRATION
Linear luminaires, angled tiles and stripes of color combine in a textural ceiling that defines the seating area and adds a sense of movement with a series of parallel lines.

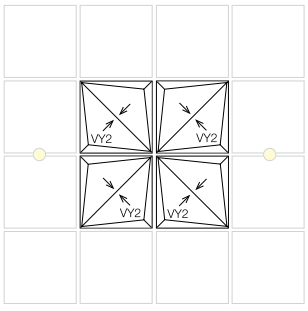
(2) Simple Slope 1
(2) Simple Slope 2
(1) Nivo Acoustic 5" Drop
(2) Seem 4 Recessed

* Acoustic quantities per row. Luminaires per pattern.

ORI, CYLINDERS & ACOUSTICAL CEILING TILES

CORRIDOR





DESIGN INSPIRATION
Valley 2 combines in organic patterns reminiscent of flowers that add interest to the ceiling while the color spectrum, from light to dark blue, supports wayfinding.

(4) Valley 2 (VY2)
(2) ID+ 3.5" Surface Mount Cylinders
(12) ACT (by others)

*Quantities per pattern grouping.

DESIGN GUIDELINES

Ori offers 10 ceiling tile variations, the building blocks to easily create eye-catching and sound-dampening ceilings that integrate not only architectural troffers, but a variety of luminaires to suit the lighting needs and desired aesthetic of each environment.

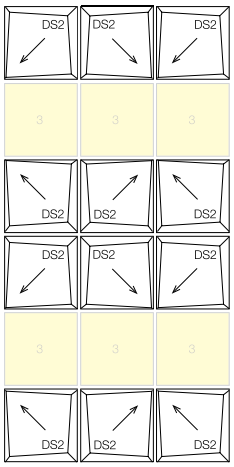
Key

- ← Indicates the orientation of the tiles, pointing to the shallowest point of the tile
- Denotes luminaires
- Denotes acoustical ceiling tiles (ACT, by others)
- # Denotes Nivo Acoustic or luminaire drop in inches

ORI & NIVO ARCHITECTURAL TROFFERS

CONFERENCE ROOM





DESIGN INSPIRATION

Dynamic angles capture sound and define the space in this conference room. The square shape of Nivo architectural troffers balances out the angles of the Ori tiles.

(12) Dynamic Slope 2

(6) Nivo 3" Drop Luminaires

ORI & NIVO LUMINAIRE

OPEN OFFICE & CONFERENCE ROOM



DESIGN INSPIRATION

Soft tones and glowing architectural troffers create an inviting space with a connection to the outdoors. The random ceiling pattern adds dynamism to this otherwise subdued interior.

Simple Slope 2 (SS2)

Nivo Luminaire (various drops)

*Random pattern, quantities vary by ceiling configuration.

Wall Tile Systems

Wall mount acoustic tile systems offer a myriad of patterns that help dampen noise and reverberations and offer a cost-effective alternative to quickly transform spaces. Displaying diverse designs, textures, and shapes, the 2'x2' wall tiles enable the creation of unique accent walls and bespoke wall art pieces. Tile combinations and vertical, horizontal, and angled arrangements yield virtually limitless design possibilities. Wall tiles provide a cohesive aesthetic to other acoustic solutions through a shared color palette.

Δ TruTile™



Wall Tile Systems

TRUTILE SYSTEM

- 2'x2' modular acoustic wall tiles made of PET felt
- Coordinated look with ceiling mount, lit and unlit acoustic solutions
- Mix and match TruTile Designs. Textures, and Shapes, and play with tile orientation to create unique accent walls or bespoke wall art pieces

TRUTILE DESIGNS

Curvaceous and linear designs intended for vertical or horizontal installation on walls.



Wide Rule



Wide Slant



Wide Arc



Multitrack



Double Arc



Diamond



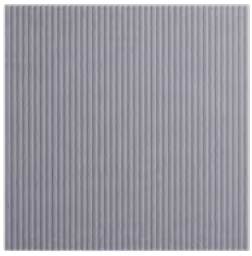
Willow

TRUTILE TEXTURES

Deeper textural designs, intended for vertical or horizontal installation on walls, capture light and the attention of the viewer.



Pinwale



Feathercord



Lattice



Grid 49

TRUTILE SHAPES

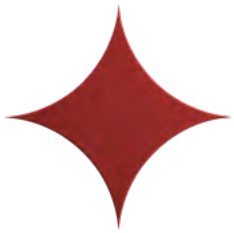
Organic shapes intended to fluidly nestle in various orientations.



Gem



Scallop

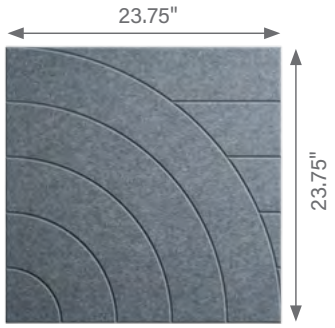


Star

Wall Tile Systems

TRUTILE

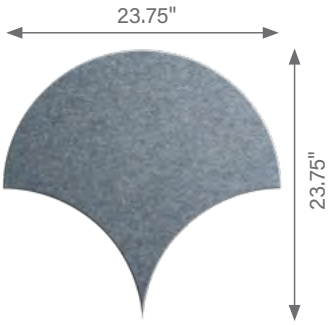
- Standard 2x2 tile format; other dimensions available as custom upon request
- 9mm thickness
- Field cuttable
- NRC of 0.3 per tile



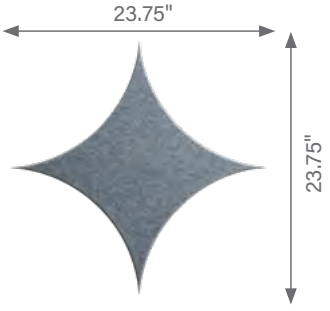
Square



Gem



Scallop



Star

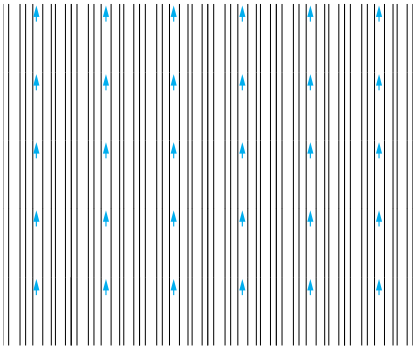


Wall Tile Systems

TRUTILE DESIGNS

CONFERENCE ROOM





VERTICAL PATTERN

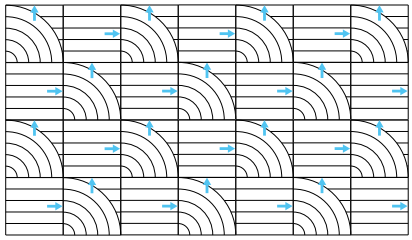
(47) Multitrack, Light Oak

(2) Skydome Edge®, White & Light Oak

TRUTILE DESIGNS

RECEPTION AREA





NEW DECO PATTERN

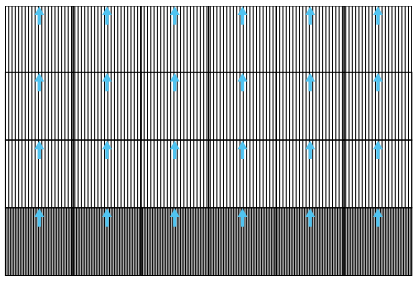
(14) Wide Rule, Blush

(14) Wide Arc, Blush

TRUTILE TEXTURES

RECEPTION AREA





VERTICAL PATTERN

(21) Pinwale, Pearl Ice

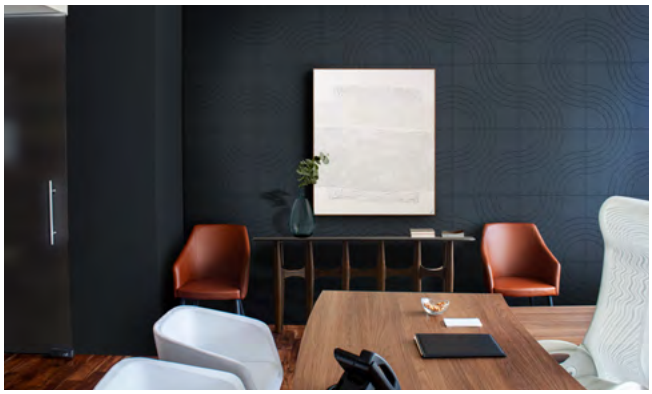
(7) Feathercord, Pearl Ice

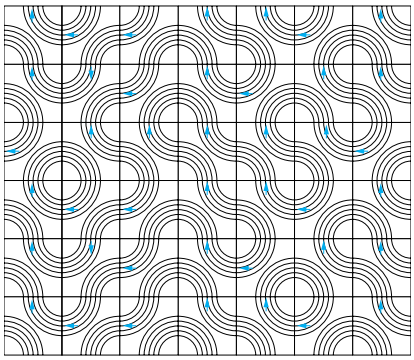
DESIGN GUIDELINES

TruTile offers several Designs, Textures, and Shapes that combine to create unique wall installations that enhance interiors and occupants' comfort. The wall tiles perfectly coordinate with other acoustic solutions thanks to a shared PET felt color palette.

TRUTILE DESIGNS

PRIVATE OFFICE





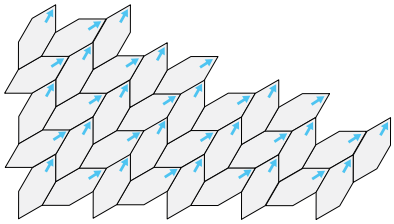
ORGANIC PATTERN

(42) Double Arc, Midnight Blue

TRUTILE SHAPES

RECEPTION AREA





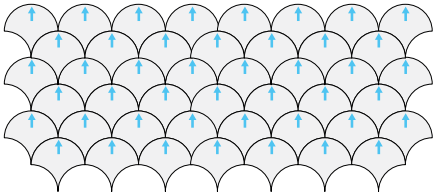
BRAID PATTERN

(6) Gem, Emerald Green
(29) Gem, Limestone

TRUTILE SHAPES

RECEPTION AREA





VERTICAL PATTERN

(1) Scallop, Blush
(1) Scallop, Cherry Red
(2) Scallop, Emerald Green
(3) Scallop, Classic White
(3) Scallop, Seafoam
(3) Scallop, Pineapple
(4) Scallop, Denim
(31) Scallop, Cornflower Blue

Pendant Systems

Pendant systems deliver illumination and acoustic comfort with a coordinated aesthetic, with simple yet alluring designs, while enhancing architecture. Various sizes, color options, and the availability of coordinated luminaires make them ideal for large, open interior environments and provide flexibility for diverse applications.

- **Plyta™**
- **Polina™**
- **Seem® 1 Acoustic Trio**
- **Skydome Edge® Acoustic**

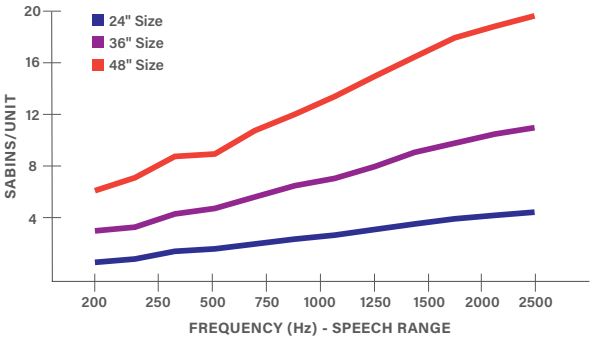


Pendant Systems

PLYTA

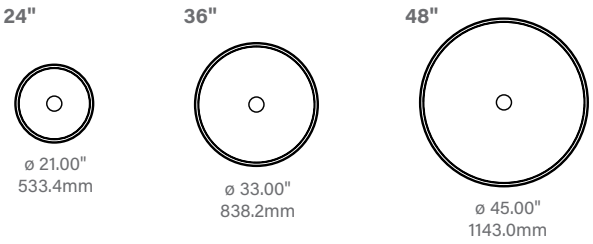
- Available in three playful shapes: Circle, Ovo, and Triangle
- Nominal sizes of 24", 36", and 48"
- Lit and unlit options for balanced lighting and sound control
- PET felt shades with two-tone option for enhanced visual appeal and design creativity
- Chamfered edges for added dimension
- Integrated ID+ 3.5" Pure Cylinder delivers up to 2300lm
- Powered by the sleek Mini Power Canopy
- Two-layer PET felt construction provides effective sound absorption
- Suspension cable lengths: 24", 48", 96", 120"; field-cuttable power cable in black or white
- Light engine and canopy finishes: White, Black, or Palladium Silver
- Reflector finishes: Clear Diffuse, Warm Diffuse, White, Black

ACOUSTIC PERFORMANCE

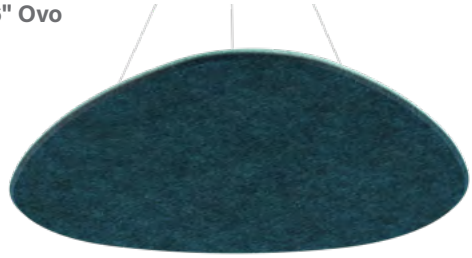


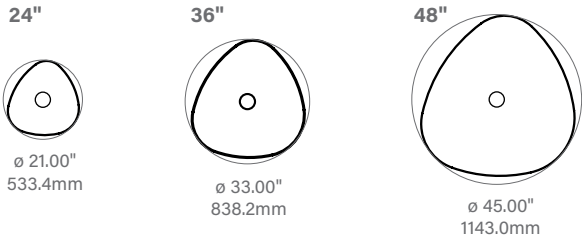
36" Circle



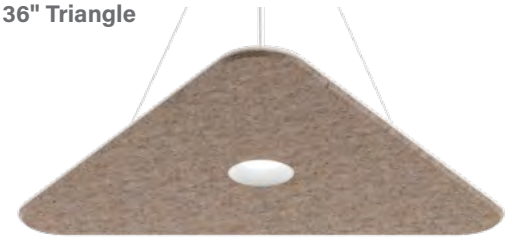


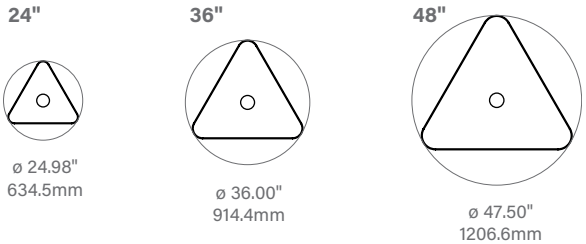
36" Ovo





36" Triangle





PLYTA CIRCLE

CORRIDOR



WAYFINDING WITH RHYTHM

Plyta Circle pendants in a monochromatic palette guide users through an open corridor. Suspended in a rhythmic row, they define the path and enhance the sound control of this high-traffic area, providing ambient lighting, visual direction, and a polished, modern appearance.

(8) 48" Circle, Denim Blue & Cornflower Blue

(21) ID+ 3.5" Pure Cylinders, 7" Height, White

(11) ID+ 3.5" Wall Wash

PLYTA OVO

PLAYROOM



CLUSTERED CREATIVITY IN A CHILDREN'S ZONE

Three sizes of Plyta Ovo in neutral grey, wood print, and cheerful tones are clustered at varied heights to add whimsy and soften sound in a children's playroom. Two-tone shades create contrast while controlling reverberation, fostering an engaging and calm environment that supports both play and focus.

(3) 48" Ovo, Natural Linen & Light Oak (unlit)

(3) 36" Ovo, Pearl Ice

(7) 24" Ovo, Deep Water & Seafoam (unlit)

(8) ID+ 3.5" Downlights

PLYTA TRIANGLE

MEETING SPACE



FULL-CEILING EXPRESSION IN COLLABORATION HALLS

Plyta Triangle fills the ceiling of a collaborative, lecture-style area, creating a dimensional acoustic landscape that complements the room's clean, contemporary palette. The soft forms and PET felt material improve speech clarity and reduce noise, while the cohesive color scheme ensures a unified visual experience. Ideal for multi-functional work and learning spaces, Plyta proves that ceilings can both perform and inspire.

(366) 36" Triangle (unlit)

(63) 36" Triangle

Mix of Hazelwood, Natural Linen & Limestone

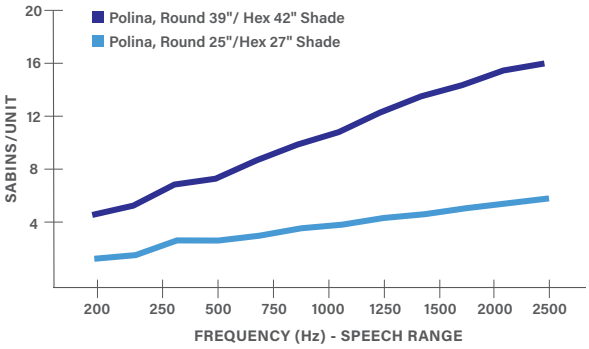
Pendant Systems

POLINA®

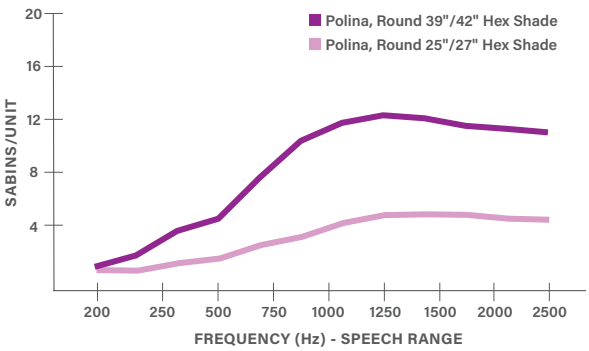
- Round: Nominal 25" or 39" diameter
- Hex: Nominal 27" or 42" diameter
- Available in suspended or wall mount, lit or unlit
- ADA compliant wall mount, less than 4" depth
- Field-cuttable stem for ceiling mounting
- Patent-pending TriCore® PET felt construction provides superior sound absorption over a wide range of frequencies
- Shade with white domed reflector, silver gray exterior
- Matte Black, Matte White or Palladium Silver light engine, stem, and canopy
- Mini Power Canopy or Remote Power System

ACOUSTIC PERFORMANCE

PENDANT



SCONCE / WALL MOUNT





38.67"
39" Pendant - Round



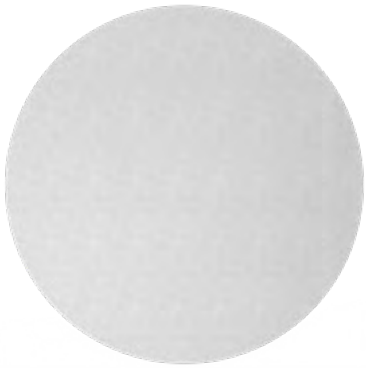
24.72"
25" Unlit Pendant - Round



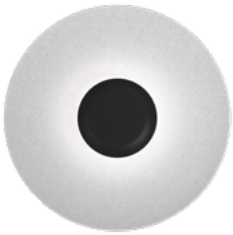
41.02"
42" Unlit Pendant - Hex



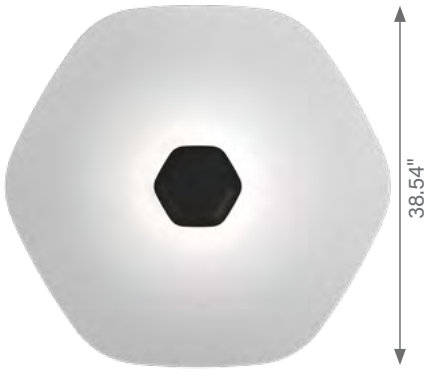
26.27"
27" Pendant - Hex



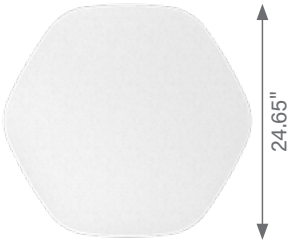
38.67"
39" Unlit Wall Mount - Round



24.72"
25" Sconce - Round



41.02"
42" Sconce - Hex



26.27"
27" Unlit Wall Mount - Hex

POLINA - HEX

CAFÉ



DESIGN INSPIRATION

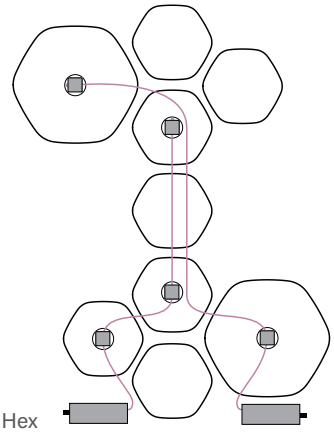
A hospitality space offers a moment of respite with ample daylight and outdoor views, complemented by the understated elegance of Polina Hex. The single pendants provide task lighting while minimizing visual obstruction, and the sculptural wall array adds visual interest and comforting ambient lighting and sound dampening.

(2) Remote Power Systems

(2) 42" Polina Acoustic Sconce - Hex

(3) 27" Polina Acoustic Sconce - Hex

(4) 27" Polina Acoustic Unlit Wall Mount - Hex



POLINA - HEX

LIBRARY



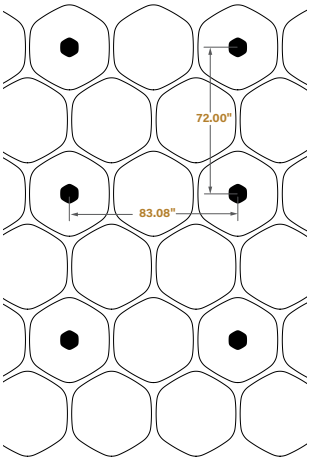
DESIGN INSPIRATION

The glowing ceiling of this library takes its inspiration from Marcel Breuer's iconic work. The lowest lumen output is sufficient to provide optimal lighting, while the shades with TriCore PET felt construction absorb virtually all sound, resulting in a peaceful environment that fosters learning.

For even spacing between staggered rows of pendants as shown, the spacing along a line is dependent on the distance between the centerline of the rows, D.

The spacing along a line should be **2sqrt(3)D/3 ~1.155*D**

42" Shade eg: D = 36", 2sqrt(3)(36")/3 = 41.54"



POLINA - ROUND

LOUNGE



DESIGN INSPIRATION

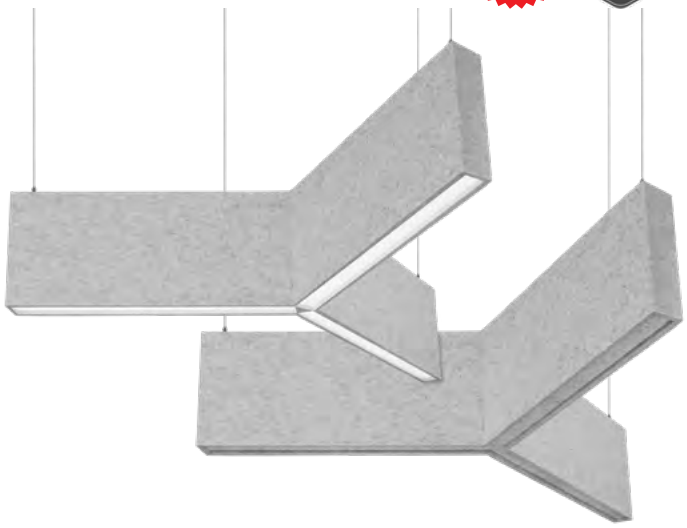
An elegant trio of Polina Round floats over this conversation nook. The black light engines offer a welcome contrast to the white domed reflectors, echoing the interior's modern color palette. The minimalistic acoustic luminaires demand attention without distracting from the sweeping outdoor views and provide comfortable illumination after dark.

(3) 25" Polina Acoustic Pendants - Round

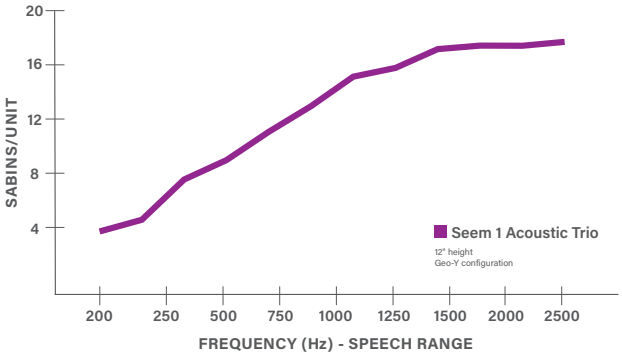
Pendant Systems

SEEM 1 ACOUSTIC TRIO

- 1.5" lens aperture (2.27" housing width)
- 4' and 6' diameter pendants
- Standard nominal heights of 8", 12" or 16"
- AirCore® technology: patented, eco-friendly technology that maximizes sound absorption and reduces ecological impact
- Direct/Indirect, Direct only, Indirect only or unlit options
- Up to 4500lm direct and 7200lm indirect distributions
- Driver options: 0-10V, Lutron EcoSystem®, DALI
- Pair with Seem 1 Acoustic luminaires and baffles to create a coordinated look within interior spaces



ACOUSTIC PERFORMANCE



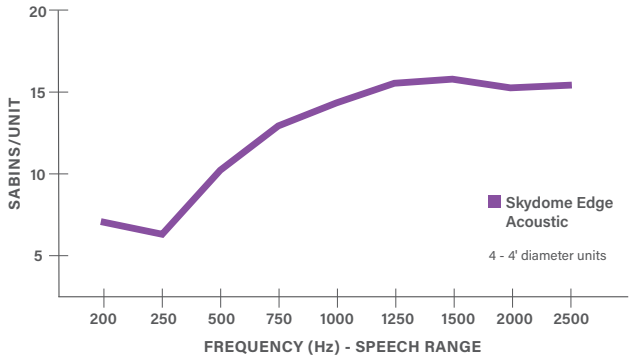
SKYDOME EDGE ACOUSTIC

- Nominal 2', 3' or 4' diameters
- Available in suspended or surface mount
- Up to 3.6" housing height
- AirCore® technology: patented, eco-friendly technology that maximizes sound absorption and reduces ecological impact
- Three standard finish options or customize with any RAL color
- Pair with Skydome Edge luminaires to create an integrated cloud system with a coordinated look



Acoustic - 3' pendant

ACOUSTIC PERFORMANCE





Acoustic - 3' surface mount

SKYDOME EDGE®

- Nominal 2', 3' or 4' diameters
- Available in suspended or surface mount
- Up to 3.6" housing height
- Three standard finish options or customize with any RAL color
- Direct/Indirect or Direct only distributions
- Up to 14000 lumens
- 80 or 90 CRI
- Driver options: 0-10V, Lutron EcoSystem®, DALI
- PoE compatible



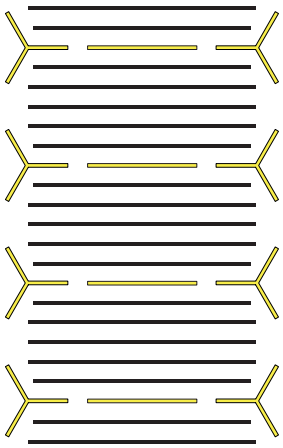
Luminaire - 3' pendant

Pendant Systems

SEEM 1 ACOUSTIC TRIO & UNLIT BAFFLE

ARROW CAPS



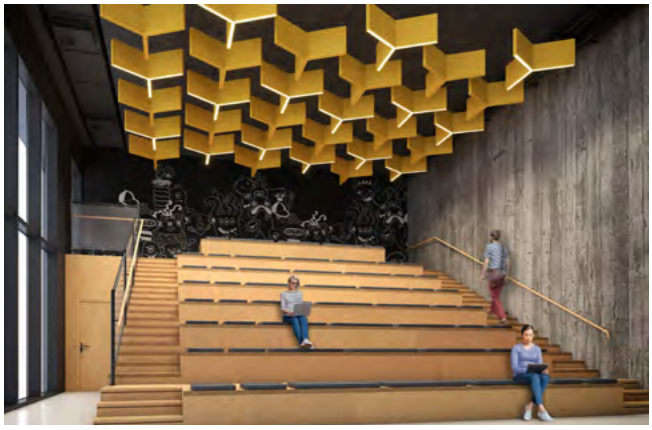


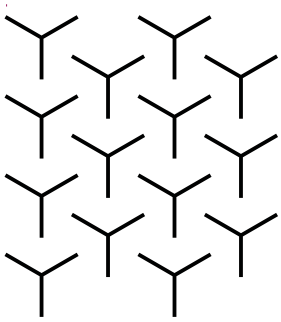
AREA	31,908FT²
BAFFLE HEIGHT	12"
SPACING	12" OC
SABINS/UNIT	9.8
TOTAL SABINS	289.7

(8) 4' Seem 1 Acoustic Trio luminaires
(4) 5' 6" Seem 1 Acoustic luminaries
(8) 11' Seem 1 Acoustic baffles
(11) 11' 6" Seem 1 Acoustic baffles

SEEM 1 ACOUSTIC TRIO

GEO-Y

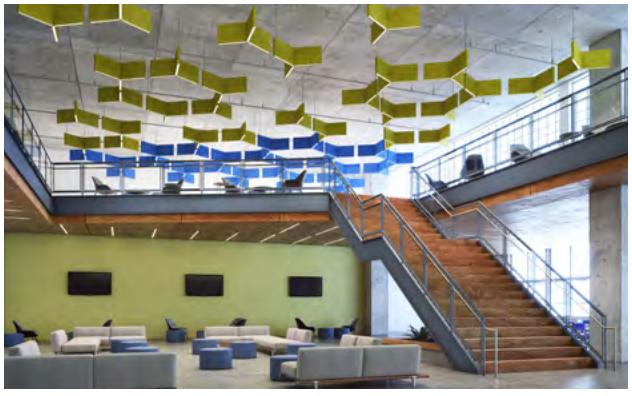


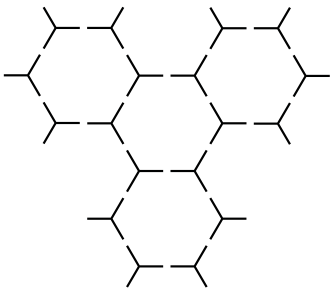


DESIGN INSPIRATION
Inspired by geometric Y patterns popular in the textile industry, this pattern features an even and balanced grid and directional movement reminiscent of a flock of birds. Lines of suspension are equally spaced.

SEEM 1 ACOUSTIC TRIO

HIVE





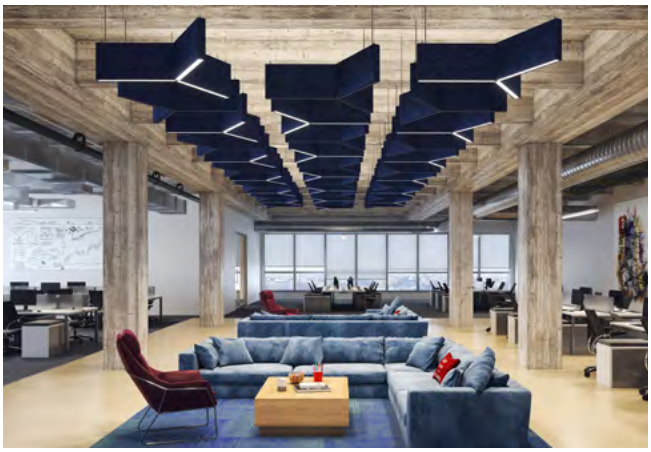
DESIGN INSPIRATION
This honeycomb pattern works best in larger spaces. Deliberate exclusion of cells in the patchwork of this motif add a dispersed, pixel-like effect.

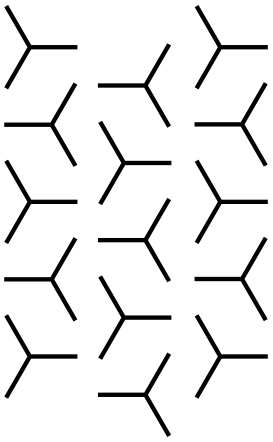
DESIGN GUIDELINES

Pendant systems offer limitless possibilities to create dynamic, integrated ceiling systems that beautify spaces and ensure the well-being of the occupants.

SEEM 1 ACOUSTIC TRIO

STAGGERED HEX





DESIGN INSPIRATION

This design evolved by overlooking the Y-form and instead focusing on the implied hexagonal footprint. Alternating stacks create the pattern and alignment is irregular to account for suspension lines. The final result is an array with varied angles from all points of view. Columns can be shifted for a fuller or sparser effect.

SKYDOME EDGE ACOUSTIC & LUMINAIRE

MULTI-OFFICE WORKSPACE



DESIGN INSPIRATION

While the black luminaire housings and suspensions blend in the dark ceiling, the bold PET felt colors of the Skydome Edge Acoustic pendants enhance this modern office. Skydome Edge luminaires infuse the space with at once soft and powerful illumination.

SKYDOME EDGE ACOUSTIC & LUMINAIRE

PUBLIC SPACE



DESIGN INSPIRATION

Combining the three sizes of the Skydome Edge luminaire and unlit acoustic version and using a monochromatic palette infuses the space with a sense of serenity. A strong connection to the outdoors is achieved via the color scheme and also the electrical light supplementing the abundant daylight.



"A big part of the overall planning and design of the space was to get the lighting exactly right for the many different space types they utilize. From heads down to open collaboration, the sensitivity to the lighting and acoustical elements utilized in these locations was of great importance to the Coupang team."

Kerri Snook, Senior Interior Designer
JPC Architects





COUPANG

The largest online retailer in South Korea sought to establish its first US office downtown Seattle, selecting a premier location with an important drawback.

Problem:
For its new office, located in the heart of Seattle, Coupang wanted a bright, open workplace that would promote collaboration and reflect its brand ethos. The surrounding skyscrapers that engulfed Coupang's building and blocked natural light posed a challenge, as well as the open structure and reflective materials that promoted high noise levels. The project team also faced the additional constraint of a short, 12-week time frame to complete the remodel.

Solution:
The circular shape, clean design, and high lumen output levels of the Skydome Edge luminaire and acoustic companion made it the ideal solution for brightening the space, delivering illumination and acoustic comfort with a coordinated look. The use of the acoustic cloud system in bold colors conveyed the brand spirit, elevating the modern, bright space that supports the organization's culture.

Result:
The combination of Skydome Edge Acoustic and Skydome Edge illuminated pendants, in bold hues that reflect Coupang's brand colors, enliven the space while providing optimal lighting. The incredibly creative and uniquely designed office garnered praises from Coupang. It offers a modern and bright space that supports the organization's culture and establishes its brand on the North American continent.

Decorative Pendants

Decorative pendants add flair to interior spaces, balancing form and function with PET felt housings and powerful illumination. They provide design flexibility with various sizes, distribution options, finishes, and material colors. The luminaires can be clustered or used individually to enhance any interior space with simple, yet intriguing forms.

- **Lia®**
- **Eave®**
- **Blume® 3 & 4**
- **Zyl® 3 & 4**



Decorative Pendants

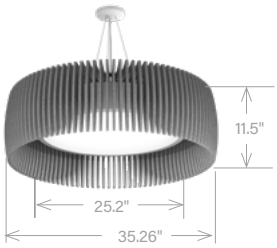
LIA

- Nominal 3', 4', or 5' diameter
- Nominal 12" or 18" height
- 4 standard housing colors with optional matching stems and canopies
- PET felt material available in a broad color palette
- Indirect lumen output range:
  - 36" Shade: 1,000 - 3,000 Lumens
  - 48" & 60" Shades: 1,000 - 5,000 Lumens
- Direct lumen output range:
  - 36" Shade: 2,000 - 4,000 Lumens
  - 48" Shade: 4,000 - 9,000 Lumens
  - 60" Shade: 7,000 - 17,000 Lumens

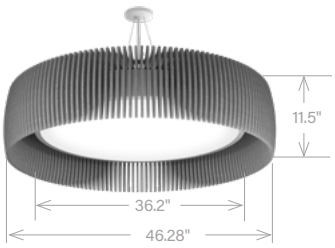


Lia Curve

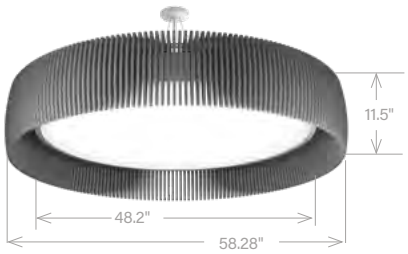
36" Shade | 2' Light Engine | 12" Height



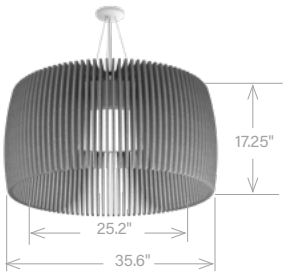
48" Shade | 3' Light Engine | 12" Height



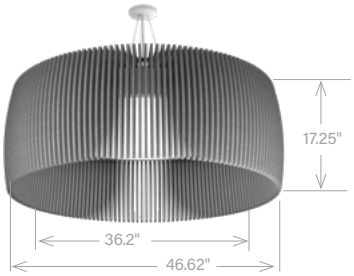
60" Shade | 4' Light Engine | 12" Height



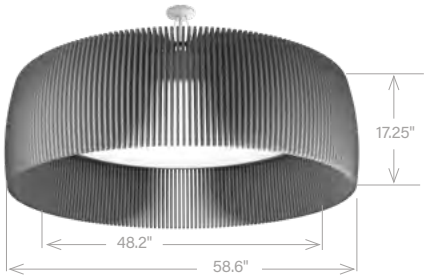
36" Shade I 2' Light Engine I 18" Height



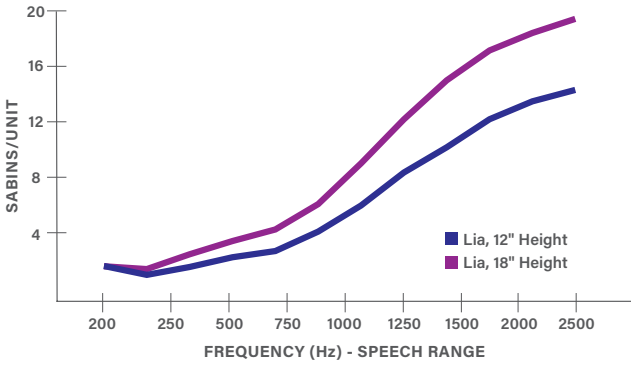
48" Shade I 3' Light Engine I 18" Hight



60" Shade I 4' Light Engine I 18" Hight



ACOUSTIC PERFORMANCE





Housing/Canopy/Stem Colors



BLACK **BK**



WHITE **WH**



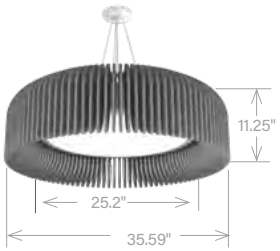
TITANIUM SILVER **TS**



MODEST MUSHROOM **MM**

Lia Cloche

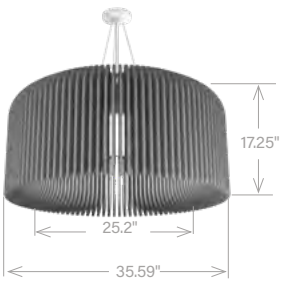
36" Shade | 2' Light Engine | 12" Height



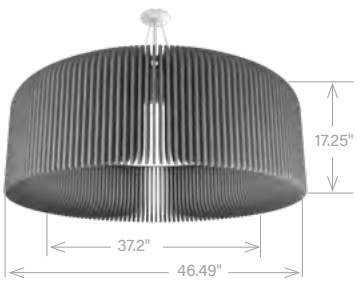
48" Shade | 3' Light Engine | 12" Height



36" Shade | 2' Light Engine | 18" Height

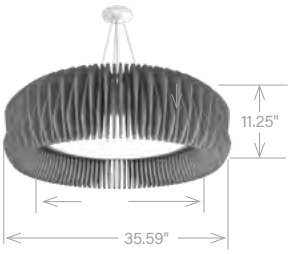


48" Shade | 3' Light Engine | 18" Height

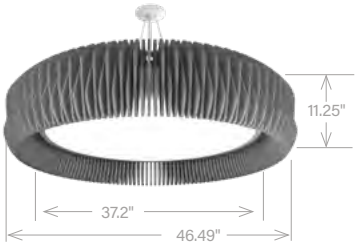


Lia Facet

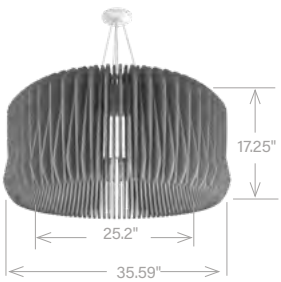
36" Shade | 2' Light Engine | 12" Height



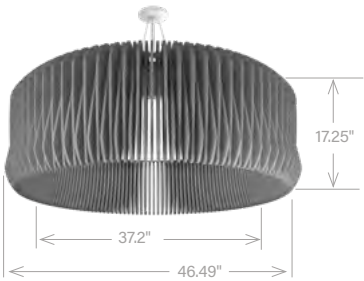
48" Shade | 3' Light Engine | 12" Height



36" Shade | 2' Light Engine | 18" Height



48" Shade | 3' Light Engine | 18" Height



Decorative Pendants

EAVE

- Nominal 11" height
- 3', 4', 5' or 6' lengths
- PET felt material available in a broad color palette
- Real wood end caps and matching wood canopy or painted canopy options
  - White Oak, Amber Oak, Espresso Oak
  - White, Black, Titanium Silver paint
- Lambertian or wide batwing indirect distribution, Lambertian direct distribution
- Lumen output range:
  - 0 - 800 lumens per foot indirect
  - 200 - 700 lumens per foot direct
- Driver options: 0-10V, Lutron EcoSystem®, DALI
- Accommodates various ceiling applications: grid, drywall, and open ceilings

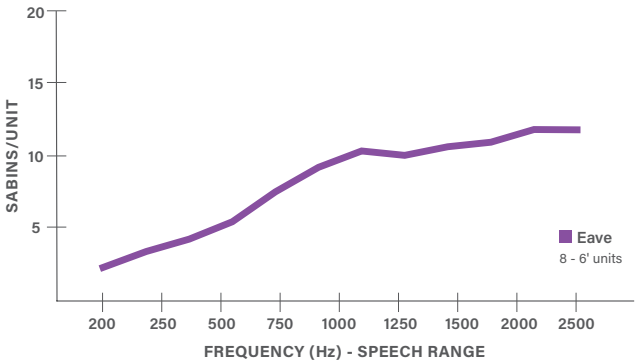


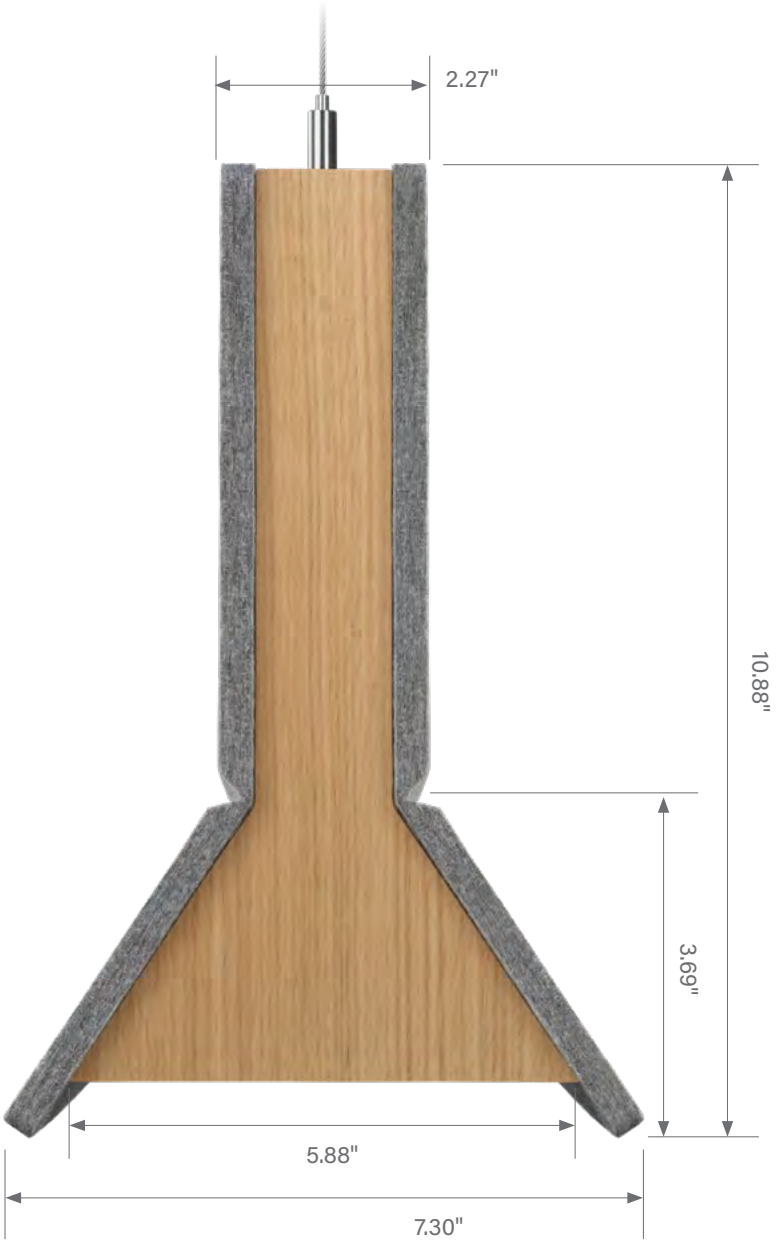
4' pendant



WHITE OAK AMBER OAK ESPRESSO OAK

ACOUSTIC PERFORMANCE




2.27"
10.88"
3.69"
5.88"
7.30"





Decorative Pendants

BLUME

- Solid or Pinstripe design
- Nominal 12" and 19" diameter pendants
- Material color palette enables personalization with hundreds of color combinations
- Mix and match finishes and colors for canopy, stem, and cord
- Spot to Super Wide Flood distributions
- Lumen output range: 700 - 3000lm
- Driver options: 0-10V, Lutron EcoSystem®, DALI
- Accommodates various ceiling applications: grid, drywall, and open ceiling



Blume 3
SOLID



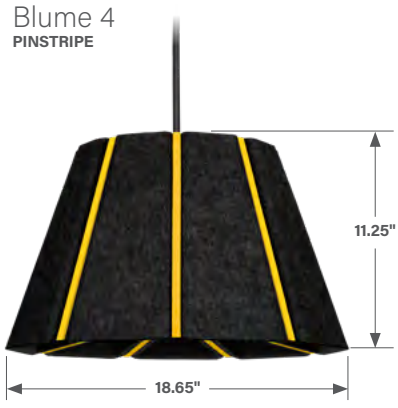
Blume 3
PINSTRIPE



Blume 4
SOLID



Blume 4
PINSTRIPE



ZYL

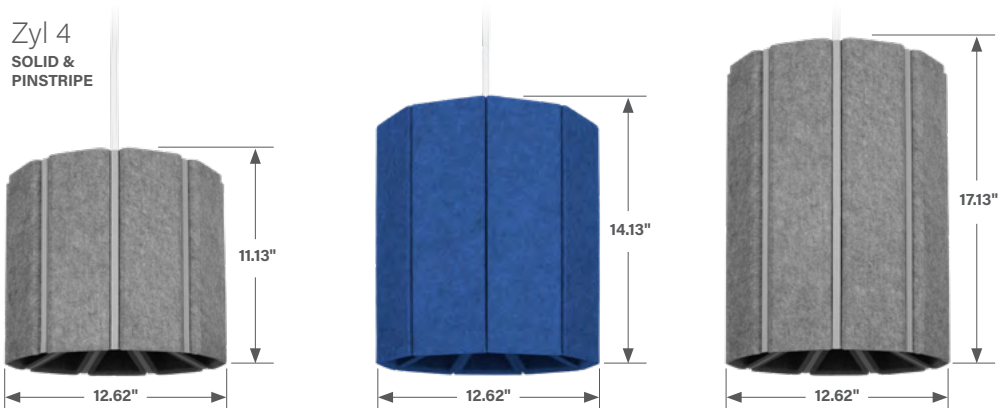
- Solid or Pinstripe design
- Nominal 8" and 12" diameter pendants with three height options for each size
- Material color palette enables personalization with hundreds of color combinations
- Mix and match finishes and colors for canopy, stem, and cord
- Spot to Super Wide Flood distributions
- Lumen output range: 700 - 3000lm
- Driver options: 0-10V, Lutron EcoSystem®, DALI
- Accommodates various ceiling applications: grid, drywall, and open ceiling



Zyl 3
SOLID & PINSTRIPE



Zyl 4
SOLID & PINSTRIPE



PET Felt

Made of a durable polyester comprised of up to 50% post-consumer recycled content, the sound absorbing material reduces ecological impact, provides an ASTM E-84 Class A fire rating and is bacteria and moisture resistant.

All Acoustic Solutions products are available in a wide color palette, ranging from neutral to bold, to provide design flexibility and personalization for any project.

MATERIAL SPECIFICATIONS

Content:	100% polyester containing up to 50% recycled plastic bottles (PET felt).
Environmental:	100% recyclable, formaldehyde free.
PET Thickness:	9mm
Fire Testing:	ASTM E-84 Class A/CAN ULC S102
Colorfastness:	AATCC 16A Option 3 Class 4 minimum at 40 hours
Variances:	Variations in fiber mix and color may occur. All products will be supplied within commercial tolerances.
Safety:	Impact, bacteria, and moisture resistant.
Care:	Easy to clean and maintain. Remove dust and debris with a clean, soft, lint-free cloth or vacuum.


Declare.

PET
Focal Point, LLC

Final Assembly: Chicago, Illinois, USA
Life Expectancy: 30 Year(s)
End of Life Options: Salvageable/Reusable in its Entirety, Recyclable (100%)

Ingredients:

Polyethylene terephthalate: PET; **N, N'-Ethylene bisstearamide:** Octadecanamide, N,N'-1,2-ethanediylbis-; **Stearic Acid:** Stearic Acid; **Antioxidant 1076:** Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, octadecyl ester; **Antioxidant KY-405:** Benzenamine, 4-(1-methyl-1-phenylethyl) -N-[4-(1-methyl-1-phenylethyl)phenyl]-; **Titanium Dioxide:** Titanium dioxide

Living Building Challenge Criteria:

I-13 Red List:
■ LBC Red List Free
□ LBC Red List Approved
□ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

I-10 Interior Performance: Not Compliant
I-14 Responsible Sourcing: Not Applicable

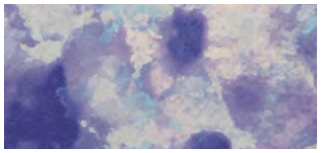
FPL-0001
EXP. 01 JUN 2026
Original Issue Date: 2020

INTERNATIONAL LIVING FUTURE INSTITUTE

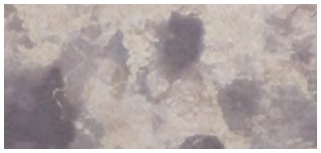
SAMPLING PROGRAM

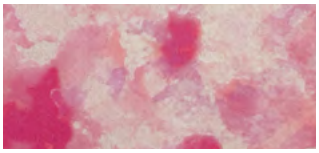
Order samples online at focalpointlights.com/samples

COSMIC* (25% SCALE)


BLUE STAR **BSR**


GREEN QUASAR **GQR**


MOON ROCK **MRK**


PINK NEBULA **PPN**


SOLAR FLARE **SRF**

THE NATURALS* (25% SCALE)


LIGHT OAK **LOK**


GRAY ELM **GRE**

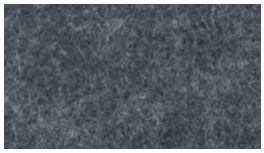

CHESTNUT **CHT**

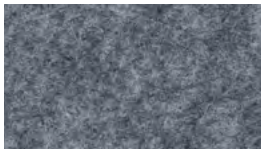

WALNUT **WLT**

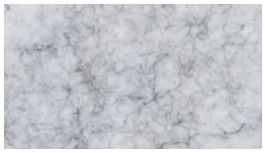
STANDARD COLORS


PURE BLACK **PBK**


CHARCOAL GRAY **CHG**


SLATE **SLT**


SHADOW GRAY **SDG**


SILVER GRAY **SLG**


PEARL ICE **PIC**

CLASSIC WHITE **CWH**

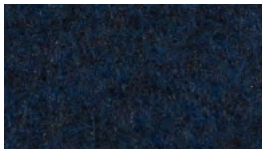

NATURAL LINEN **NTL**


HAZELWOOD **HZW**

PREMIUM COLORS

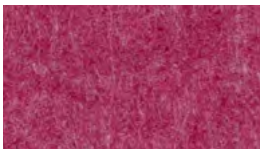

CORNFLOWER BLUE **CFB**


DENIM BLUE **DNB**


MIDNIGHT BLUE **MNB**


DEEP PURPLE **DPP**


BLUSH **BLS**


BERRY **BRY**


BRICK RED **BRD**

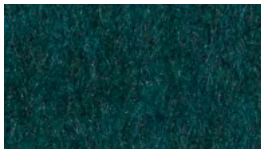

CHERRY RED **CHR**


CARROT **CRT**


PINEAPPLE **PNA**


EMERALD GREEN **EMG**


SEAFOAM **SFM**


DEEP WATER **DWT**


LIMESTONE **LMS**

Slight color variations are inherent to the PET felt manufacturing process.
Color renditions on screens vary due to display settings and lighting conditions.

*Cosmic and The Naturals available on select products only.

Our **dedicated team**

can assist with layouts and provide support throughout the specification and installation process.

CREDITS

1 **Association of the US Army (AUSA) - Arlington, VA**
Architect: Interplan
Photography: Clarence Butts

Gate **CSHQA - Boise, ID**
Architect: CSHQA
Photography: John Sternisha

18 **AD EX - Dallas, TX**
Architect: Omniplan
Photography: Craig D. Blackmon, FAIA

32 **O.C.I.L. - Office of the Commissioner of Indigenous Languages – Ottawa, Ontario, Canada**
Architect: Parallel 45 Design Group LTD.
Photography: JVL Photography

63 **Coupang - Seattle, WA**
Architect: JPC Architects
Lighting Designer: Pacific Lighting Systems
Photography: Cleary O'Farrell

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Bringing It All To Light®

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