

Lumenwerx 

# Acoustix

INNOVATION IN ACOUSTIC LIGHTING

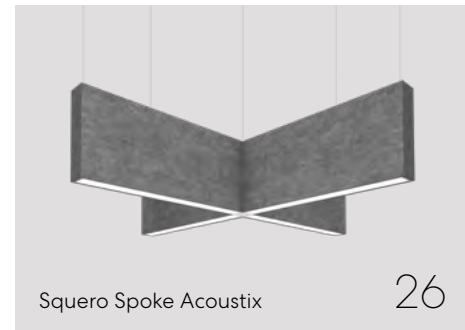
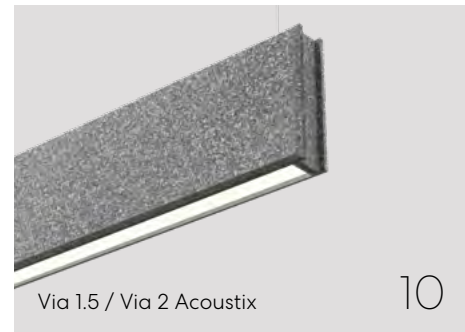




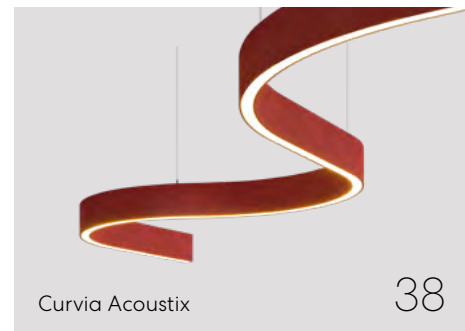
# Acoustix Collection

Uncompromised illumination with excellent sound absorption

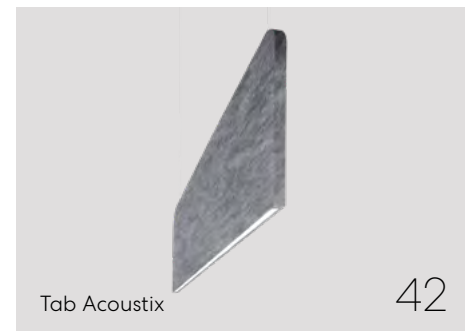
## Linears



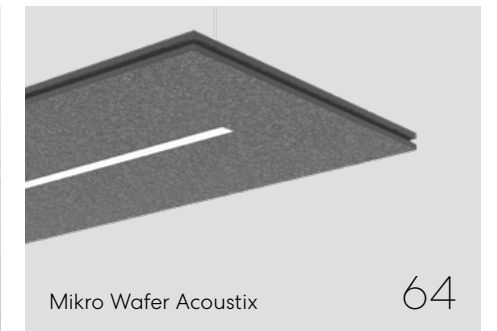
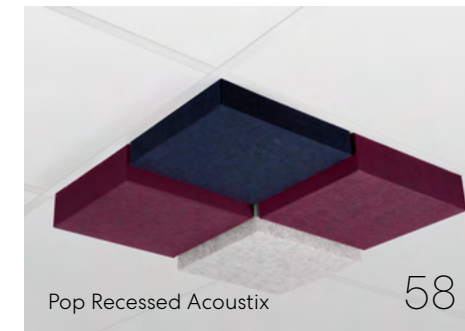
## Curvlinears



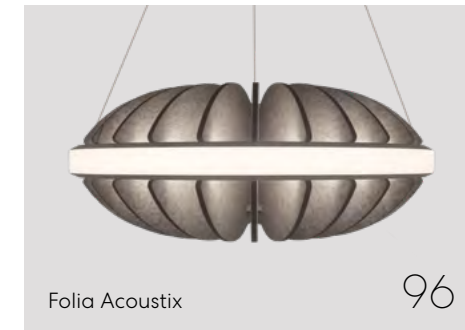
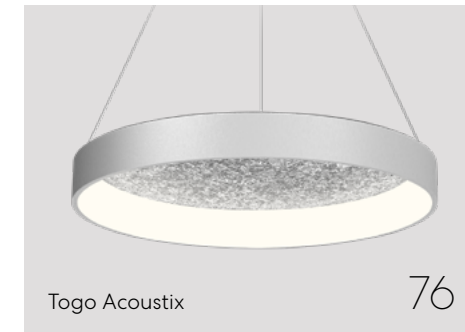
## Vertical Acoustix



## Horizontal Acoustix

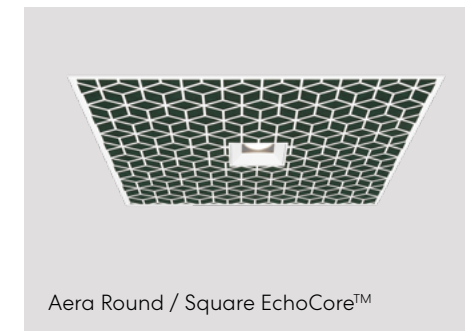


## Architectural Decorative



## EchoCore™

[View EchoCore™ Brochure Online](#)





# Acoustic Challenges

Although wide open spaces and clean lines define many modern environments, certain design elements that enhance this aesthetic—such as glass usage, open offices, unfinished ceilings, and hard, reflective surfaces—unfortunately reveal a critical downside: excess noise.

## GLASS

The amount of glass in a space is increasing due to daylight requirements and the modern design of natural light in our built environment. Glass is a very hard smooth surface with a poor absorption rate that creates issues as it bounces sound around.

## OPEN OFFICE

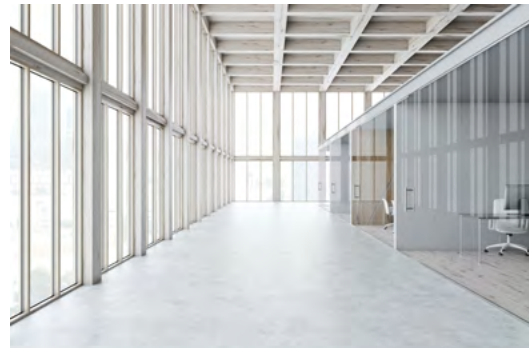
Traditionally office space was largely divided between private office space and cubicles. This has been replaced by today's open office concept. In open office space, noise increases and the need for acoustic strategies is a must.

## UNFINISHED CEILINGS

Pose a separate set of challenges; often having visible duct work exposed along with ambient noise caused by their systems. Water, conduits and data raceways are exposed as well resulting in increased clamour.

## HARD REFLECTING SURFACES

Metals, concretes, glass, brick, stone and tile all contribute to poor acoustic comfort of a space. Hard surfaces are usually clean but they tend to act poorly when it comes to sound absorption.



Increase use of Glass



Open Office Concept



Unfinished Ceilings

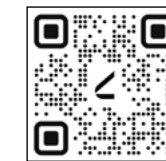


Hard Reflecting Surfaces



# Our Acoustic Solutions

The Acoustix lineup uses one of two sound dampening technologies: Acoustic Felt (polyester), and EchoCore™, a technology based on Helmholtz resonance principles.



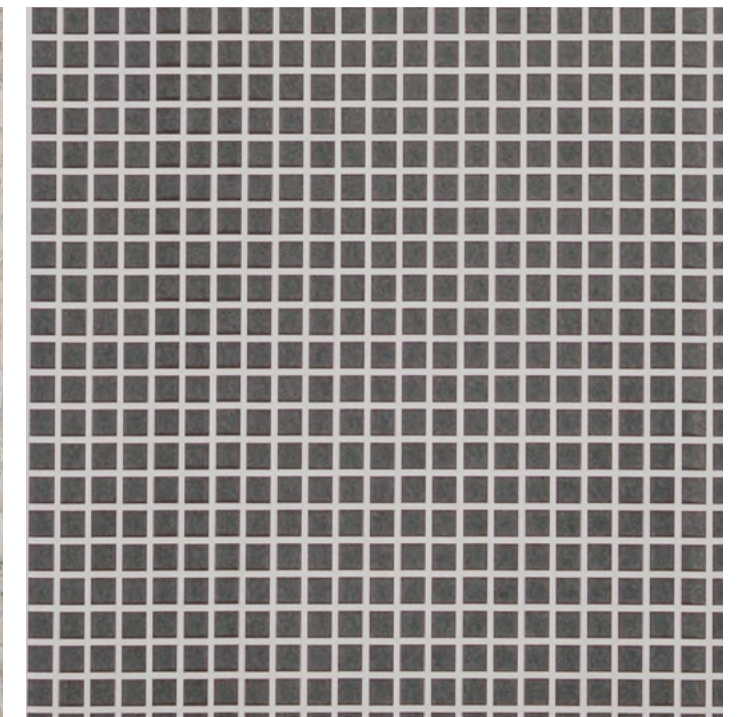
Explore the architectural possibilities of the EchoCore Collection™ in the dedicated brochure.

EchoCore™ Brochure PDF

## TWO SOLUTIONS



Acoustic Felt



EchoCore™ Technology

Via Spokes Acoustix  
Felt Colors: Evergreen/Fog  
Optic: HLO



Via Spokes Acoustix add visual interest and a playful touch while dampening noise reverberation.



# Acoustic Felt

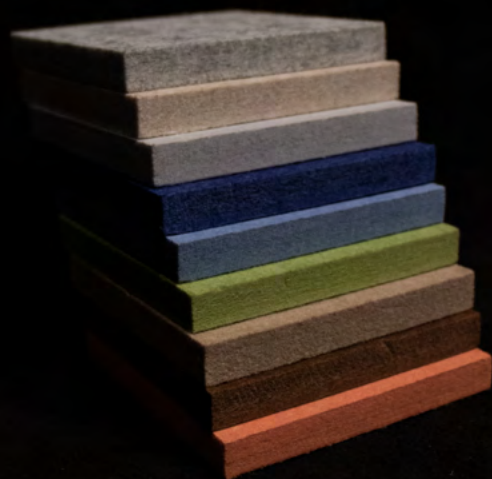
Created from recycled PET polyester (polyethylene terephthalate), acoustic felt is a sound-absorbing panel. Acoustic felt is available in our Standard, Premium, and Madera color palettes. With over 30 options, you'll find a range of colorways perfectly suited to ensure a seamless blend of aesthetics and functionality.

60%  
Recycled Material

Zero VOC  
Emissions

Flame Retardant

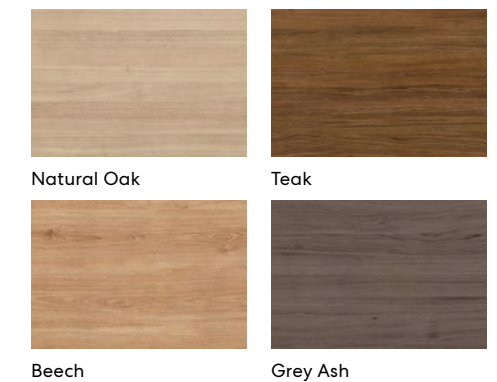
Mold Resistant  
& Breathable



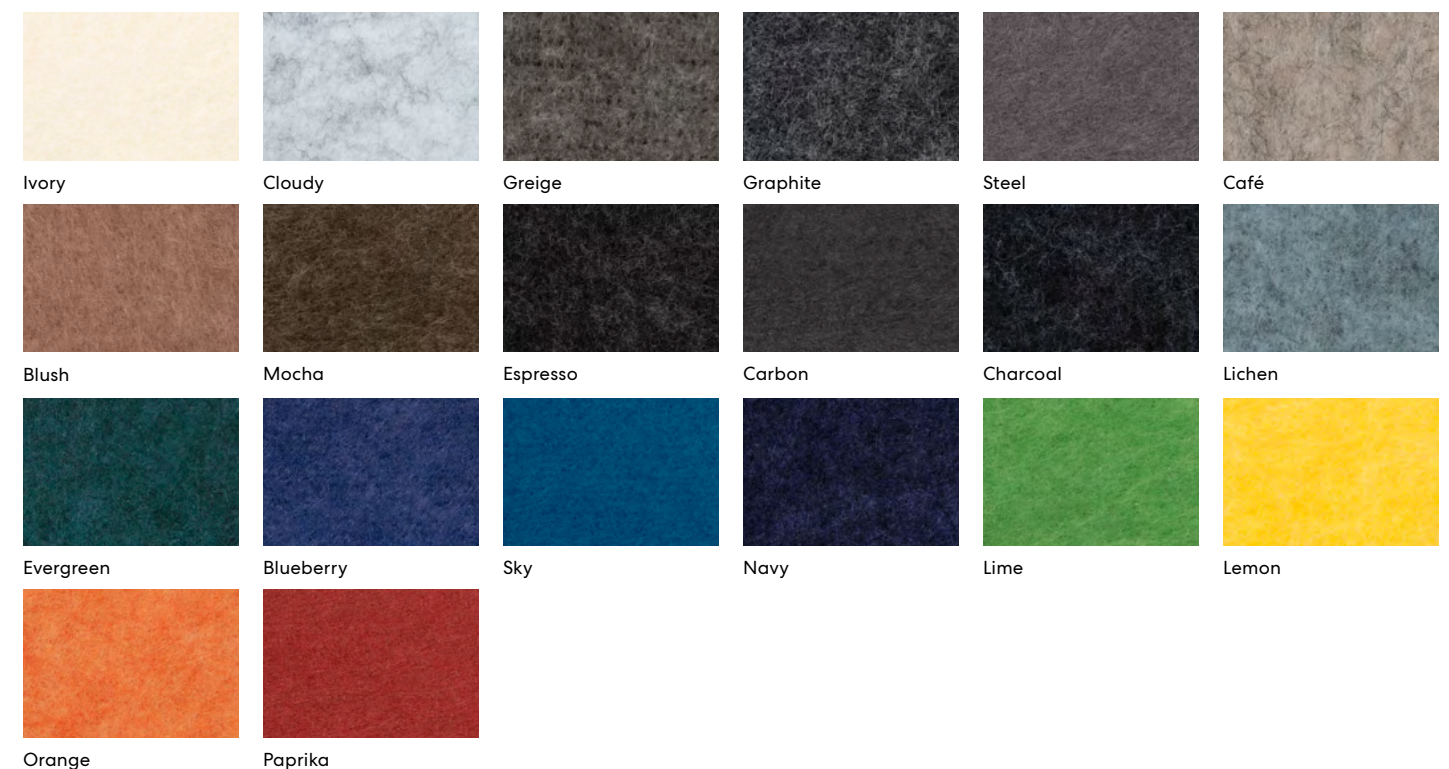
## STANDARD COLORS



## MADERA COLORS



## PREMIUM COLORS





Via 2 Acoustix  
Felt Color: Iron  
Optic: HLO



Declare.



# Via 1.5 / Via 2 Acoustix

Precision designed for an appealing esthetic, Via Acoustix luminaires feature sound-absorbing felt, mitered seams, and regressed end caps. These single, continuous, and cost-effective units integrate effortlessly into open architectural spaces.

## MADERA OPTIONS



Madera Acoustix Oak Finish

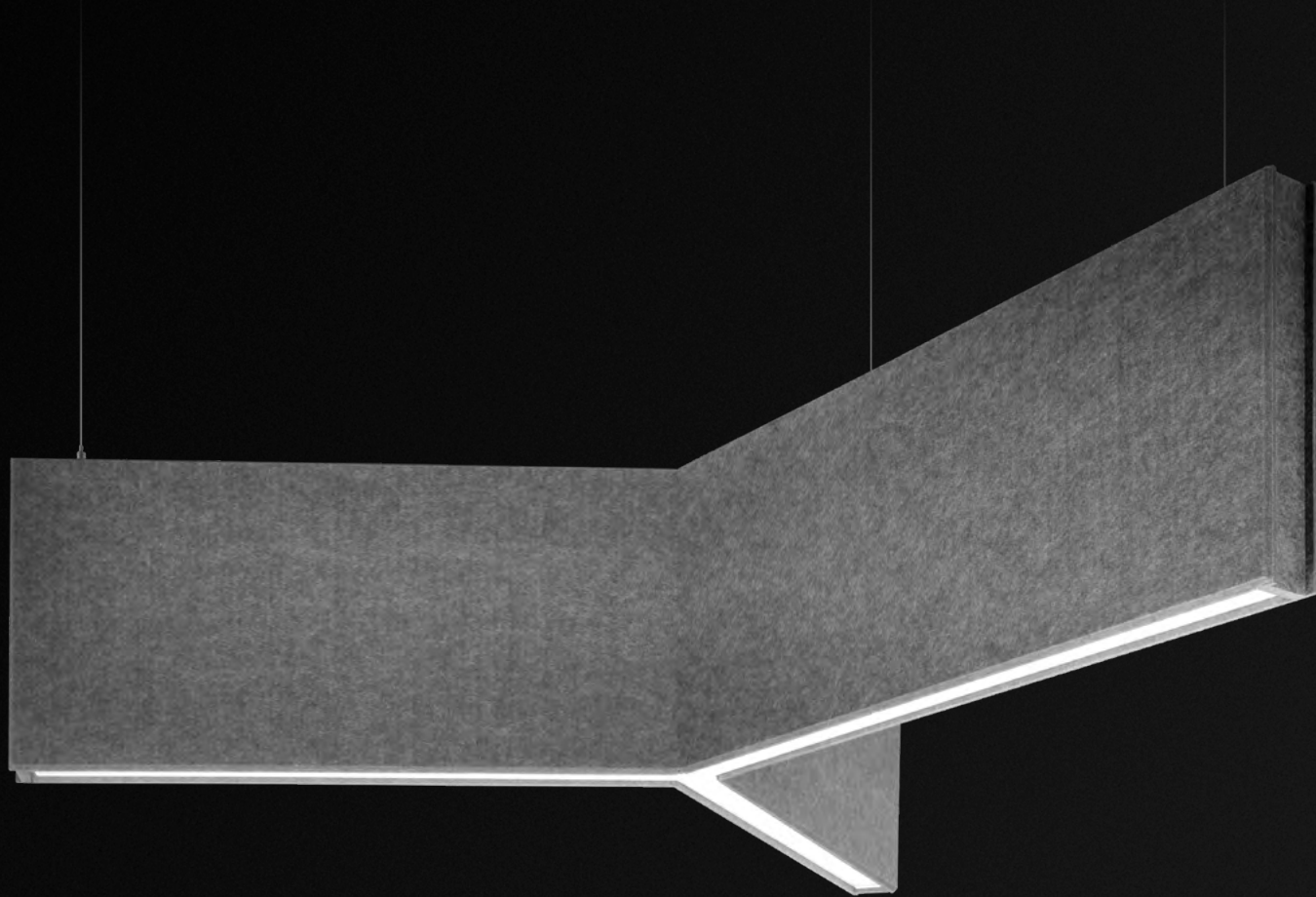
Continuous Run  
Available

<19 UGR  
(Unified Glare Rating)

UP TO  
74 lm/W



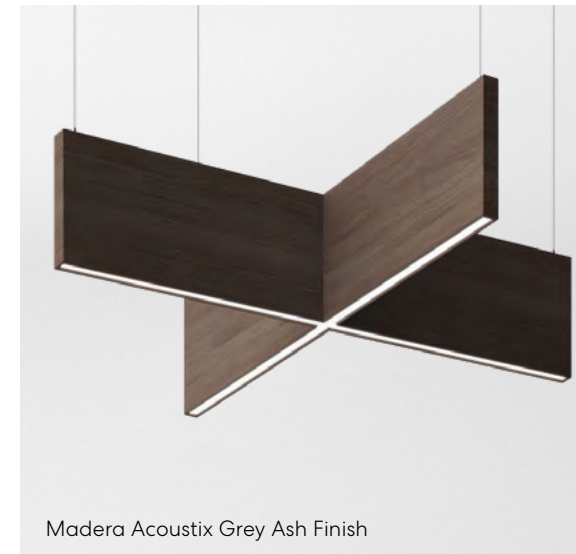
Via 2 Spoke Acoustix  
Y-Shaped  
Felt Color: Iron  
Optic: HLO



# Via 1.5 / Via 2 Spoke Acoustix

Via Spoke Acoustix fixtures are available in pre-assembled V, X, and Y spoke shapes, created by linear units mitered together. Shipped directly from factory, the spokes not only incorporate all of the features that have made the Via family so successful, including our High-Efficiency Lambertian Optic (HLO), but they also possess the ability to dampen noise reverberation.

## MADERA OPTIONS



Madera Acoustix Grey Ash Finish

<19 UGR  
(Unified Glare Rating)

UP TO  
74 lm/W

3000 lm  
maximum lumen  
output (4ft)








Via 2 Acoustix  
Height: 12 inch  
Felt Colors: Lemon/Iron  
Optic: HLO



# Overview

## Via 1.5 / Via 2 Acoustix

DISTRIBUTIONS	LUMINAIRE HEIGHT	COLOR RENDERING OPTIONS
Direct/Indirect	8 in	80+CRI,
Direct	12 in	90+ CRI (R9>50)
Indirect	16 in	

COLOR TEMPERATURES	DIRECT OPTICS	INDIRECT OPTIC
<ul style="list-style-type: none"> <li><span style="color: #f0e68c;">●</span> 2700K <span style="margin-left: 20px;"> Sola</span></li> <li><span style="color: #f5deb3;">●</span> 3000K <span style="margin-left: 20px;"> Duo</span></li> <li><span style="color: #90ee90;">●</span> 3500K <span style="margin-left: 20px;"> Quadro</span></li> <li><span style="color: #add8e6;">●</span> 4000K <span style="margin-left: 20px;"> Full Spectrum</span></li> <li><span style="color: #32cd32;">●</span> Bios <span style="margin-left: 20px;"> Bios</span></li> </ul>	High-Efficiency Lambertian Optic	Widespread Indirect Optics

**SPOKE SHAPES**

	
Y-Spoke	X-Spoke



Via 2 Acoustix  
Felt Color: Charcoal  
Optic: HLO



Via Stil  
Felt Color: Graphite  
Fixture Color: Black  
Optic: HLO



Declare.



# Via Stil

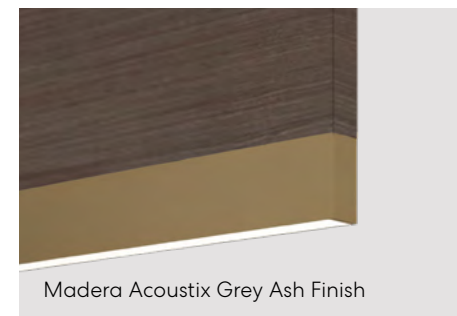
Make a bold, functional statement with Via Stil. Our thinnest acoustic fixture, Via Stil offers a dichotomy in textures: warm felt, capped with bold extruded aluminum. Designed for premium acoustic absorption and optimal visual appeal, Via Stil offers ambient down-lighting.

Optimal  
Design Ratio

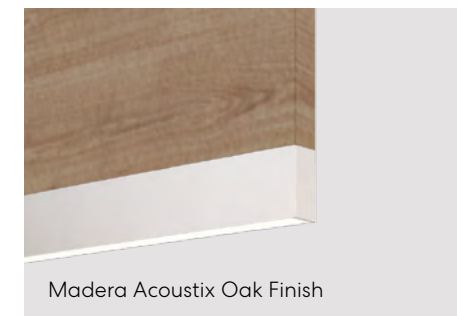
Static White  
Tunable White  
RGBW

UP TO  
74 lm/W

**MADERA & BLANK OPTIONS** (All Madera Acoustix Felt colors are available)



Madera Acoustix Grey Ash Finish



Madera Acoustix Oak Finish

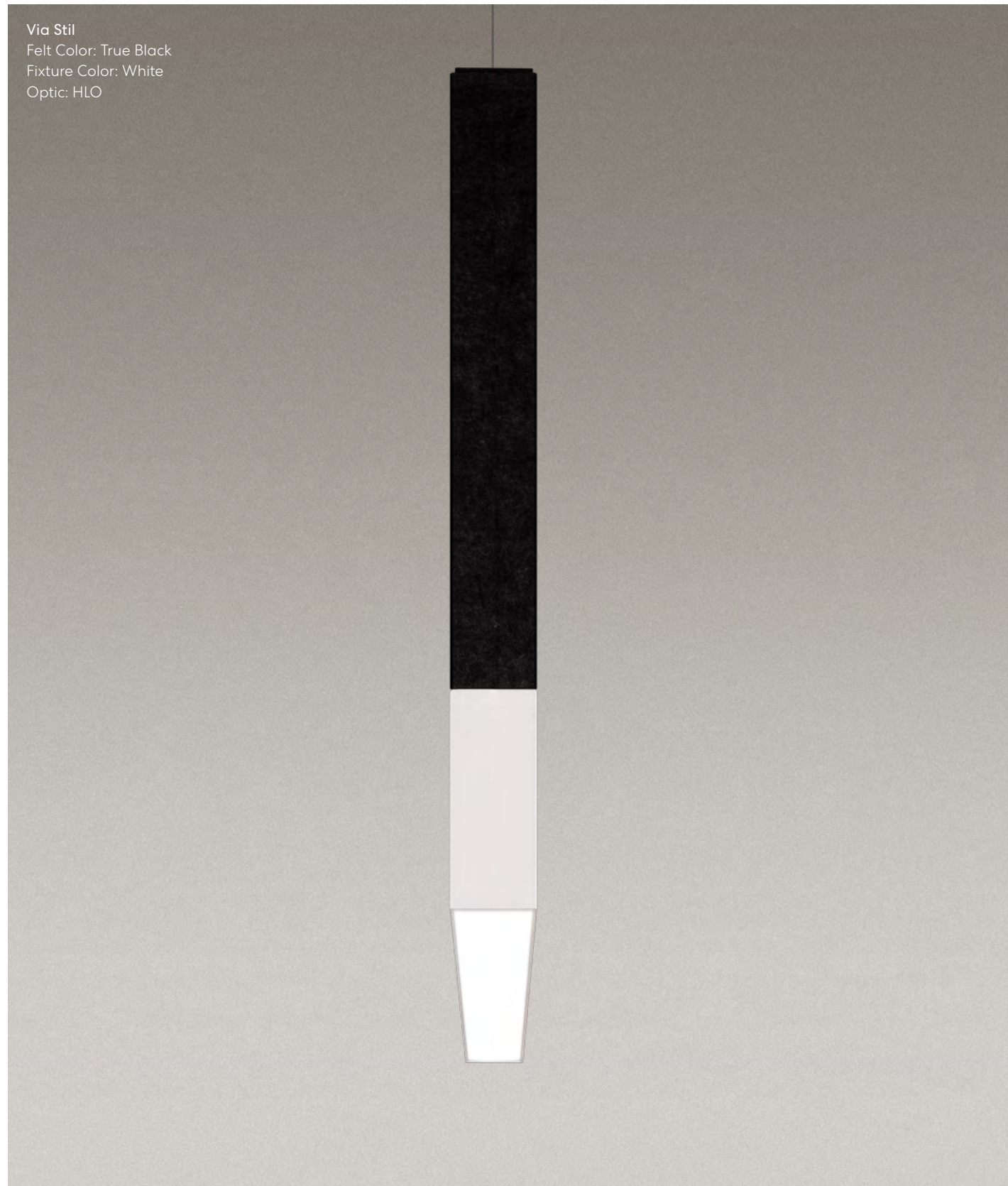


Blank (Acoustic only)



Via Stil  
Felt Color: Forest Green  
Fixture Color: White  
Height: 20 inch  
Optic: HLO





# Overview

## Via Stil

**DISTRIBUTION**

Asymmetric  
Direct  
Wall Wash

**COLOR RENDERING OPTIONS**





80+ CRI  
90+ CRI (R9>50)

**LUMINAIRE HEIGHT**

12 in  
16 in  
20 in

**COLOR TEMPERATURES**

- 2700K
- 3000K
- 3500K
- 4000K

-  Sola
-  Duo
-  Quadro
-  Bios

**OPTICS**

Asymmetric Reflector Optic  
High efficiency Lambertian Optic  
Wall Wash Reflector Optic



# Squero Acoustix

Superior craftsmanship meets optical performance and premium sound absorption in our Squero Acoustix line. Made using fine-cut acoustic felt, Squero Acoustix offers four standard optics for advanced illumination—matte parabolic louver, specular parabolic louver, Miniature Reflector Optic (MRO), and High-Efficiency Lambertian Optic (HLO)—as well as adjustable accent modules.

## OPTIC OPTIONS



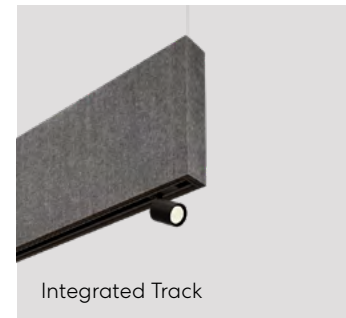
(Blank with acoustic only)



Miniature Reflector Optics



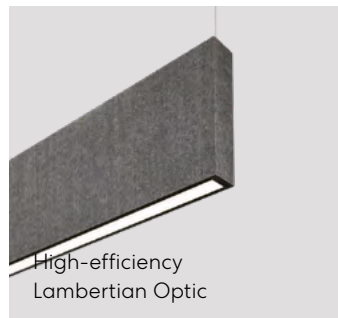
Specular Parabolic Louver



Integrated Track



Matte Parabolic Louver



High-efficiency Lambertian Optic



Adjustable Accent Module



Squero Acoustix  
Felt Color: Steel  
Optic: MRO

Declare.



UP TO  
145 lm/W

Contemporary  
Square-Cut  
End Cap

OPTICS  
Mini Reflector  
Parabolic Louver  
HLO

Flush Lens Design

<10 UGR  
(Unified Glare Rating)

DISTRIBUTIONS  
Direct  
Direct/Indirect



# Squero Spoke Acoustix

Squero Spoke Acoustix fixtures are available in pre-assembled X and Y spoke shapes, created by linear units joined together with custom hubs. Shipped directly from factory, the spokes are architectural and decorative, and add visual interest and dynamism to any given space.

## SHAPES

V, X, and Y

## DISTRIBUTIONS

Direct  
Direct/Indirect

## UP TO

145 lm/W

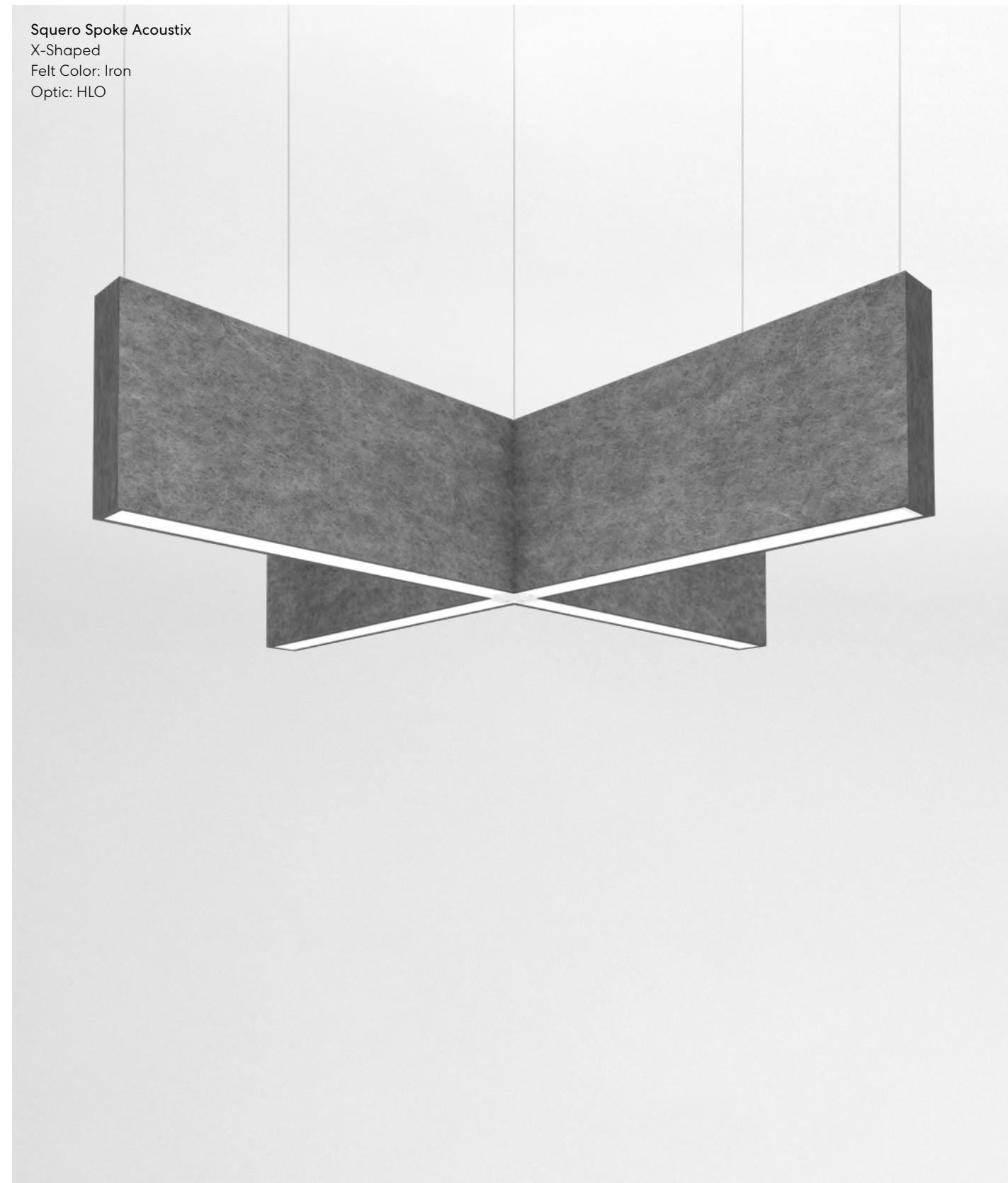


Squero Spoke Acoustix  
Y-Shaped  
Madera Color: Natural Oak  
Optic: HLO





Squero Acoustix  
Felt Color: Iron  
Optic: Matte Parabolic  
Louver in Silver



Squero Spoke Acoustix  
X-Shaped  
Felt Color: Iron  
Optic: HLO



# Overview

## Squero Acoustix

### DISTRIBUTIONS

Direct/Indirect  
Direct  
Indirect

### LUMINAIRE HEIGHT

8 in  
12in  
16 in

### COLOR RENDERING OPTIONS

80+CRI  
90 + CRI (R9>50)

### DIRECT OPTICS

18 degrees Miniature Reflector Optics  
35 degree Miniature Reflector Optics  
55 degree Miniature Reflector Optics  
Specular Parabolic Louver  
Matte Parabolic Louver  
High-Efficiency Lambertian Optic  
Adjustable Accent Module

### INDIRECT OPTIC

Widespread Indirect Optics  
Clear Lambertian Optic

### COLOR TEMPERATURES

- 2700K
- 3000K
- 3500K
- 4000K
- bios Bios

### SPOKE SHAPES



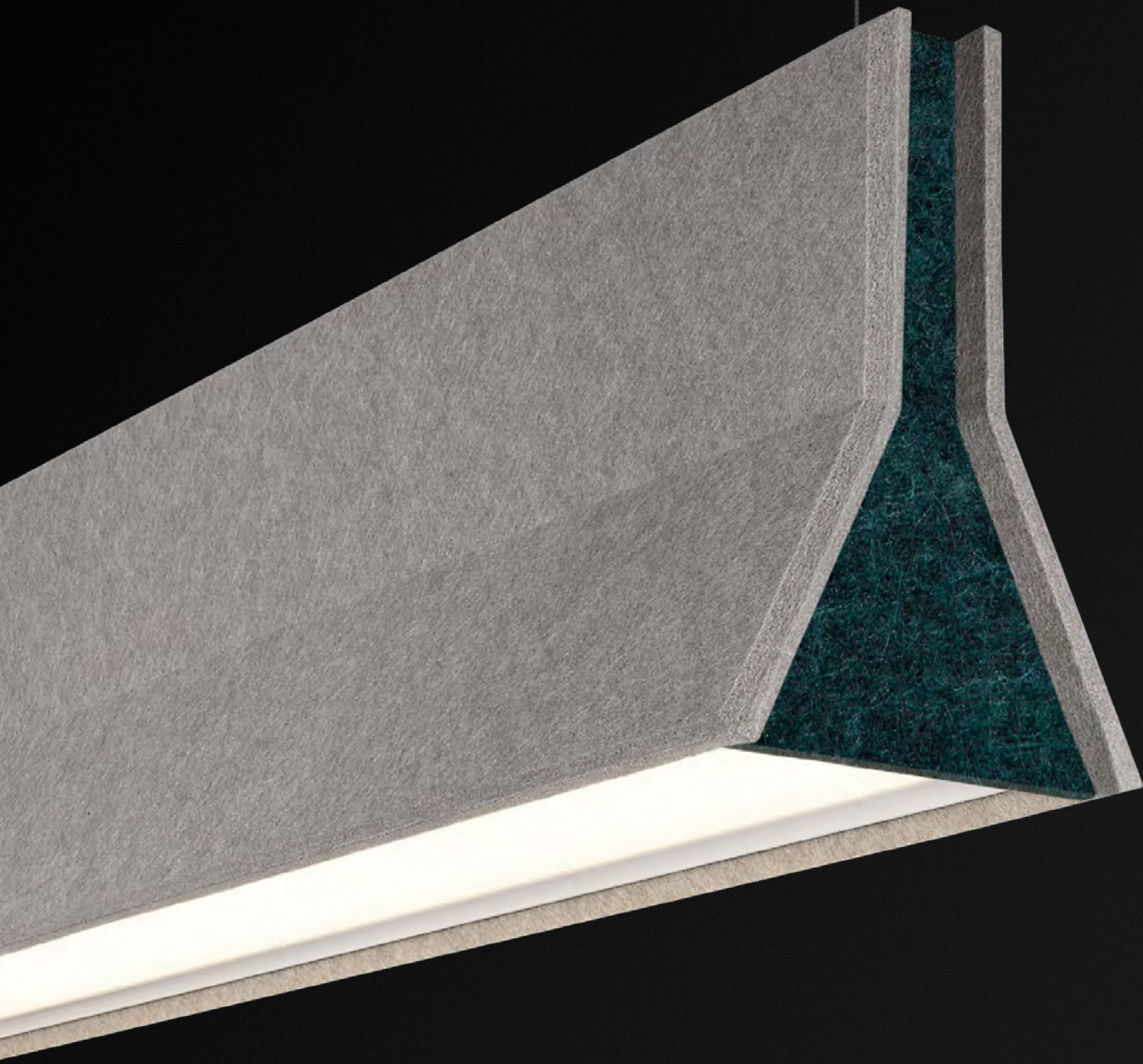
X-Spoke



Y-Spoke



Arro Acoustix  
Felt Colors: Fog/Evergreen



Declare.



# Arro Acoustix

Arro 4 Acoustix delivers the same great performance as Arro 4 (up to 119 lm/w) but is fitted with superb acoustic dampening technology. Offered in 4', 6', 8', 10', and 12' lengths with 10 standard color options and 19 premium colors, Arro 4 Acoustix features an elegant end cap detail, with sides extending beyond the inset end piece. You can coordinate and match the sides to the ends or chose a different color.

## OPTIONS



Cherry/Cloudy



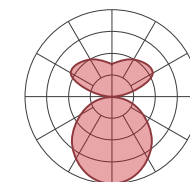
Plum/Lavender

UP TO  
1850 lm/ft

UP TO  
119 lm/W

UP TO  
95+ CRI

DISTRIBUTIONS  
Direct or  
Direct/Indirect





The Arro 4 Acoustix in Cloudy and Lichen **completes** the **space balancing** color, light, scale, and proportion.

Arro 4 Acoustix  
Felt Colors: Cloudy/Lichen  
Optic: HLO



Arro Acoustix  
Felt Color: Lichen



# Overview

## Arro Acoustix

**DISTRIBUTION**

Direct  
Direct/Indirect

**COLOR RENDERING OPTIONS**

80+, 90+, 95+

**LENGTHS**

4 ft, 6 ft, 8 ft, 10 ft, 12 ft

**COLOR TEMPERATURES**

- 2700K
- 3000K
- 3500K
- 4000K

- Sola
- Duo

**OPTIC DIRECT**

High Efficiency  
Lambertian Optic

**OPTIC INDIRECT**

Widespread Indirect Optic



# Curvia Acoustix

Equipped with acoustic felt, Curvia Acoustix luminaires, available in 2" widths with a minimum radius of 12", masterfully negotiate curves with finesse and maintain elegant proportions while their sound-absorbing properties ensure open spaces remain comfortably free of excessive ambient noise.

#### WIDTH

2"

#### HEIGHTS

8"  
12"  
16"

#### DISTRIBUTIONS

Direct  
Direct/Indirect

#### CONFIGURATIONS

Standalones  
Continous runs  
Shapes  
Rings

#### MOUNTING

Pendant

#### ACOUSTIC FELT

30+  
Colors



Curvia Acoustix  
Felt Color: Paprika  
Distribution: Direct  
Height: 8"



**Declare.**



Curvia Acoustix Shape  
Felt Color: Blush  
Distribution: Direct  
Height: 12"





Curvia Acoustix Shape  
Felt Color: Sky  
Distribution: Direct  
Height: 8"



# Curvia Acoustix

Curvia Acoustix blends curvilinear light with acoustic control, adding a sculptural touch with integrated sound-absorbing properties. It is optically equipped with our High-Efficiency Lambertian Optic (HLO) or Asymmetric Opal Optic (AOO).

Pendant-mounted, Curvia Acoustix enhances both visual and acoustic comfort to create quiet, inviting spaces.

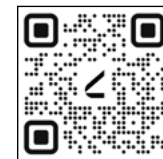
## CONFIGURATIONS

Curvilinears  
Shapes  
Continuous Runs

## ACOUSTIC FELT MATERIAL

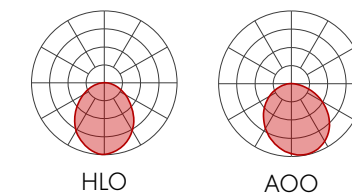
60% Recycled  
Plastic Bottles  
(PET)

Easy Acoustic  
Calculations



Curvia Additions  
Brochure PDF

## DISTRIBUTIONS





# Tab Acoustix



At just 0.7 inches (18 mm) in width, Tab is the slimmest family in the Lumenwerx Acoustix portfolio. Available in several lengths, heights, and colors, Tab represents a myriad of acoustic lighting possibilities, from playful visual collages featuring different sizes and colors, to more traditional acoustic treatments composed of identical luminaires mounted in parallel sequences. Tab luminaires can also soften interiors with the curves of their top corners, a detail that quietly complements their sound-dampening capabilities.

#### DISTRIBUTIONS

Direct  
Direct/Indirect

#### LENGTHS

2 ft - 8 ft

#### HEIGHTS

8", 12", and 16"

#### UP TO

500 lm/ft



Tab Acoustix  
Felt Color: Blueberry  
Height: 16"

**Miniwerx**  
SERIES



**Declare.**

Various Tab  
Felt Colors: Lemon/Plum  
Optic: HLO



Tabs of different sizes and colors form an appealing visual collage.



Tab Acoustix  
Felt Color: Cloudy  
Height: 12"



# Overview

## Tab Acoustix

### DISTRIBUTION

Direct  
Direct/Indirect

### COLOR RENDERING OPTIONS

90+ (R9>50)

### LENGTHS

2', 3', 4', 5', 6', 7' and 8'

### SIZES (HEIGHTS)

8 in  
12 in  
16 in

### OPTIC DIRECT

High Efficiency  
Lambertian Optic

### OPTIC INDIRECT

High Efficiency  
Lambertian Optic

### COLOR TEMPERATURES

- 2700K
- 3000K
- 3500K
- 4000K



Squero Hubs Acoustix  
 Optic: HLO  
 Accent Hubs : Hub T 90°  
 Accent Plate Color: Custom  
 Shapes: Square  
 Felt Color: Fog



Declare.



# Squero Hubs Acoustix

Squero Hubs Acoustix pendant fixtures embody superior craftsmanship and versatile high performance. With exceptional sound absorption from fine-cut acoustic felt and low-glare illumination down to UGR<10, not to mention multiple optics for direct and indirect distribution, these fixtures create beautifully lit and comfortable spaces.

UP TO  
 1000 lm/ft

HUBS CONNECTORS

2-, 3-,  
 & 4-way

VISUAL COMFORT

Low  
 Glare

OPTICS

4+ Direct Optics  
 2+ Indirect Optics

ACOUSTIC FELT OPTIONS

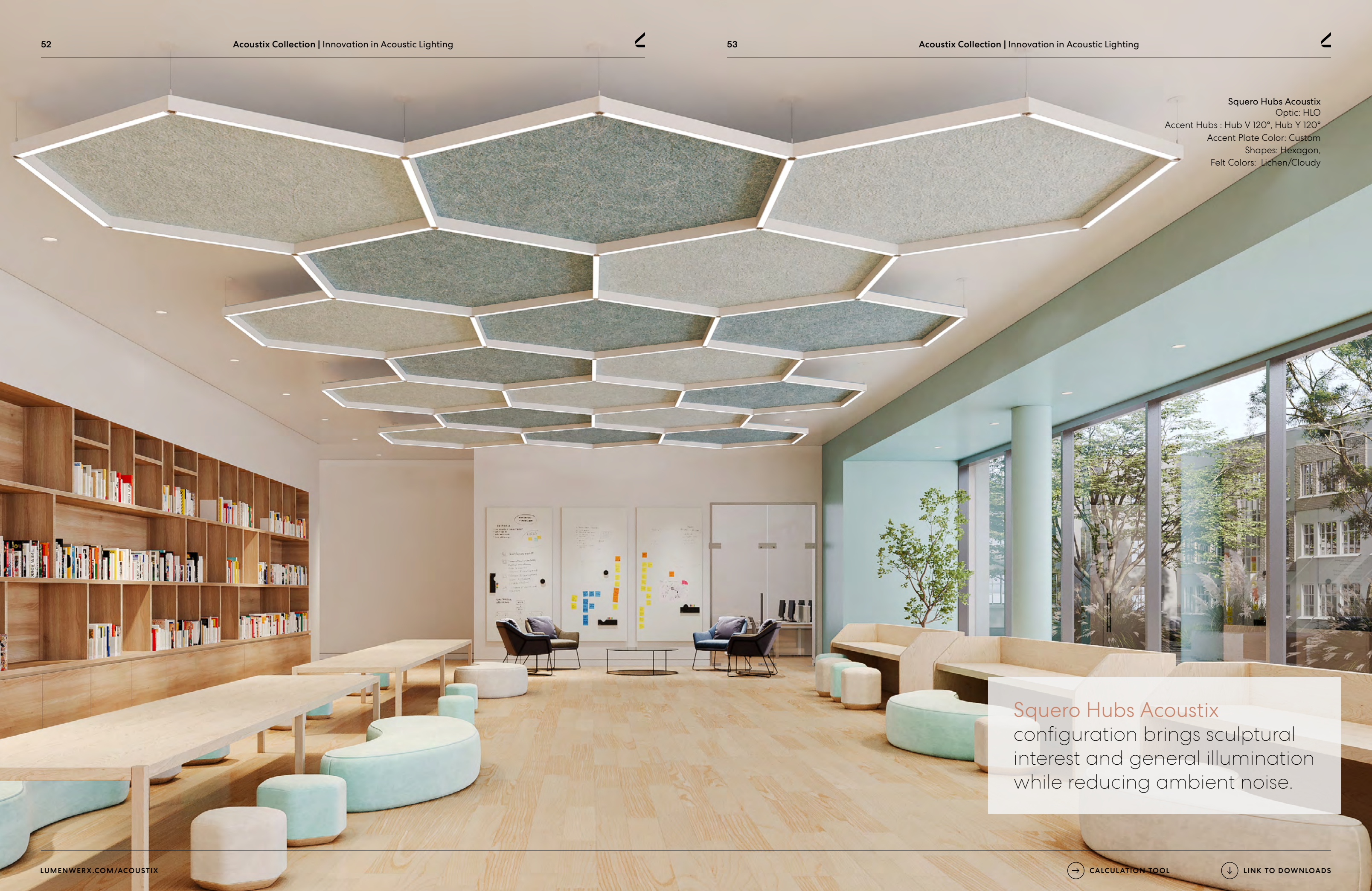
30+  
 Colors

SHAPE OPTIONS

Square  
 Rectangle  
 Hexagon  
 Triangle



Squero Hubs Acoustix  
 Optic: HLO  
 Accent Hubs : Hub V 120°, Hub Y 120°  
 Accent Plate Color: Custom  
 Shapes: Hexagon,  
 Felt Colors: Lichen/Cloudy



**Squero Hubs Acoustix**  
 configuration brings sculptural  
 interest and general illumination  
 while reducing ambient noise.



# Configuration

## Squero Hubs Acoustix

Flexible, scalable, and providing impressive sound absorption, the Squero Hubs Acoustix System features four geometric shapes that function as standalone luminaires or combine into custom configurations using 2-, 3-, or 4-way Hubs Connectors. Acoustic panels can cover the entire setup or specific modules. Blank Covers are available for areas needing sound absorption without illumination. Squero Hubs Acoustix easily integrates with other building systems, including sprinklers, air conduits, and sound equipment.

**ACOUSTIC**  
Impressive  
Sound Absorption

**MODULAR DESIGN**  
Flexible  
and Scalable

**SUSTAINABILITY**  
50%  
Recycled Materials\*

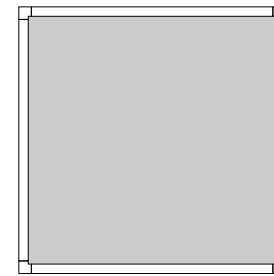
**COST EFFECTIVE**  
Easy  
Integration



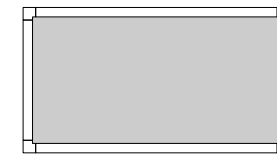
\*Acoustic Felt is composed of at least 50% recycled plastic bottles (PET), and the metal extrusion is made from locally sourced recycled aluminum.



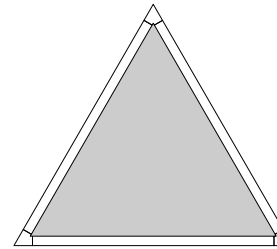
### 4+ SHAPES



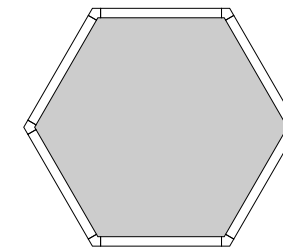
SQUARE



RECTANGLE

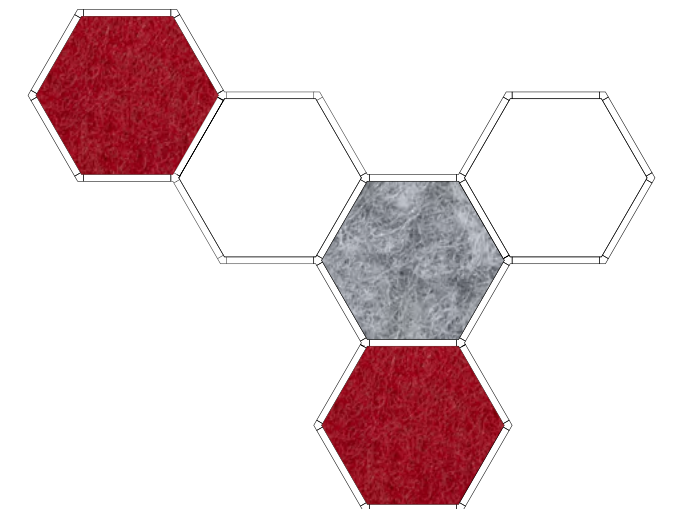
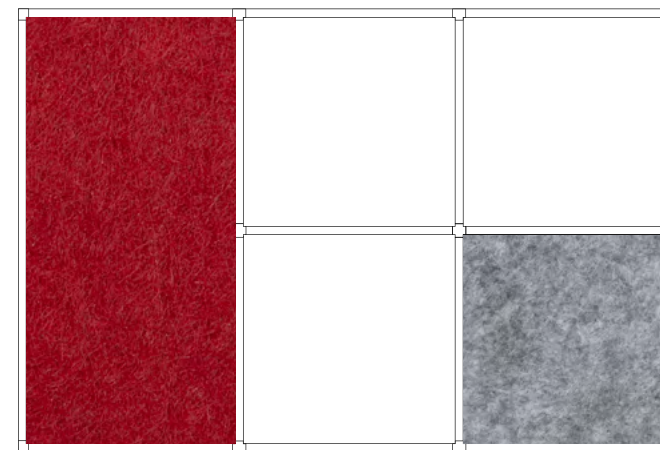


TRIANGLE



HEXAGON

### INFINITE CONFIGURATIONS



### 12+ HUB CONNECTORS



2-WAY HUBS



3-WAY HUBS



4-WAY HUBS



# Optics

## Squero Hubs Acoustix

With our innovative Squero Hubs Acoustix system, lighting begins with the Squero linear fixture. The Squero luminaires provides exceptional visual comfort with low UGR and are available in lengths from 2 to 12 feet. They offer both direct and direct/indirect light distributions. For direct optics, options include Parabolic Louvers (MBPL, MPL, SPL), Miniature Reflector Optic (MPO), and High-Efficiency Lambertian Optic (HLO).

For indirect optics, choose between our state-of-the-art Wide Indirect Optic (WIO2) with a 160° beam spread and uniformity up to 2:1, or the Translucent Optic (TIO) with a 100° beam spread.

The System also allows for Blank sections to create unlit areas with acoustic benefits.



LOW GLARE

<10 UGR

UP TO

1000 lm/ft

DISTRIBUTIONS

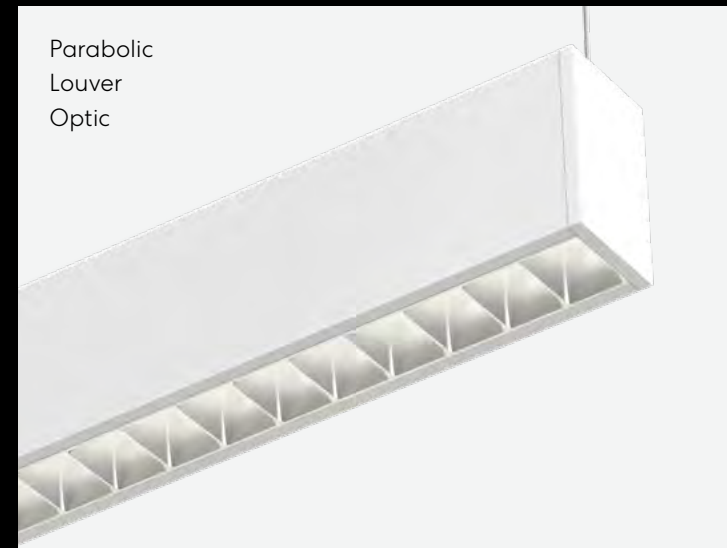
Direct/Indirect  
Direct

LENGTHS

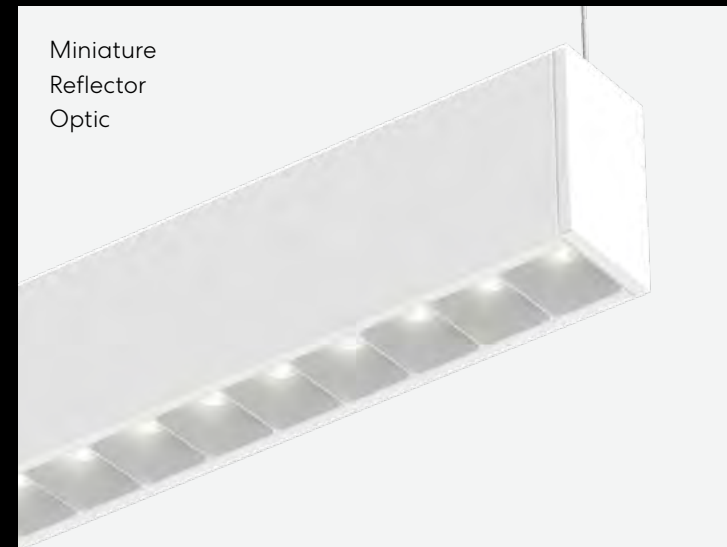
2' to 12'



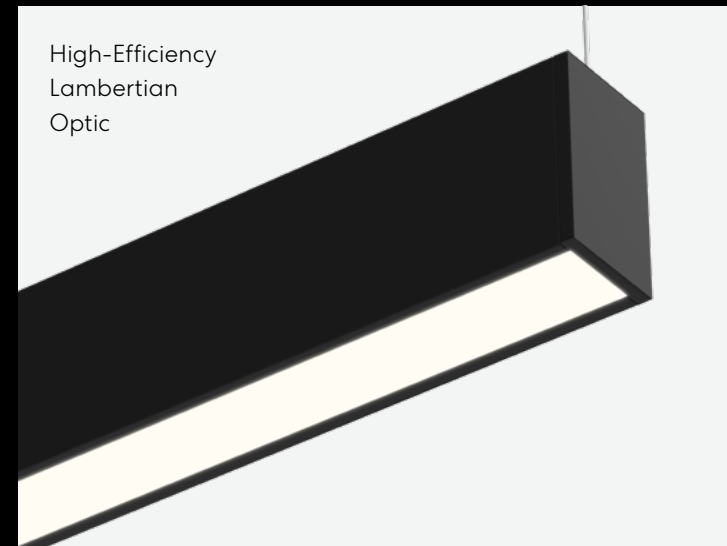
Parabolic  
Louver  
Optic



Miniature  
Reflector  
Optic



High-Efficiency  
Lambertian  
Optic







Squero Hubs Acoustix  
 Shapes: Triangle  
 Hubs : Hub V 60°  
 Madera Colors: Teak/Natural Oak



# Overview

## Squero Hubs Acoustix

### DISTRIBUTIONS

-  Direct
-  Direct/Indirect

### MOUNTING OPTION

-  Pendant

### COLOR RENDERING

- 80 CRI
- 90 CRI

### COLOR TEMPERATURES

-  2700K
-  3000K
-  3500K
-  4000K
-  Bios













### DIRECT OPTICS

- Miniature Reflector Optic
- Parabolic Louver Optic
- High-Efficiency Lambertian Optic

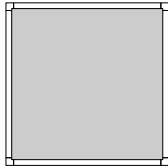

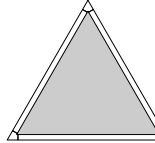
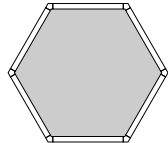
### INDIRECT OPTICS

- Widespread Indirect Optic
- Translucent Indirect Optic

### HUBS CONNECTORS

- | 2-Way   | 3-Way   | 4-Way   |
|---|---|---|
|  |  |  |
|  |  |  |
|  |  |   |
|  |  |   |
|  |  |   |

### SHAPES

- |   |   |   |
|---|---|---|
|  |  |  |
| SQUARE  | RECTANGLE   | TRIANGLE  |
|  |   |   |
| HEXAGON   |   |   |



# Pop Recessed Acoustix

Pop Recessed Acoustix is an unlit acoustic form that fits into suspended ceiling tile. Available in three shapes, four heights, and 29 PET felt colors (10 standard and 19 premium), Pop Recessed Acoustix can be used with Acoustix and /or traditional luminaires. Mix the patterns, heights and colors to create truly unique acoustic lighting solutions.

Visually  
Interesting

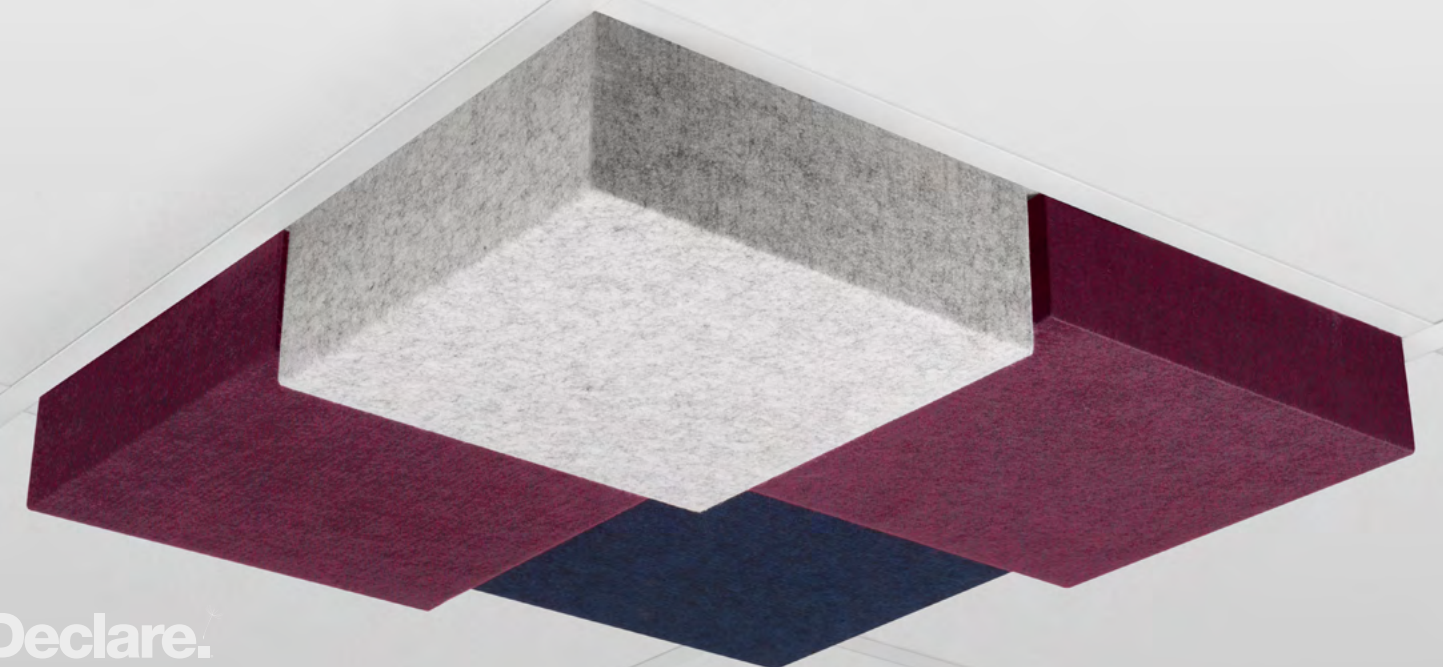
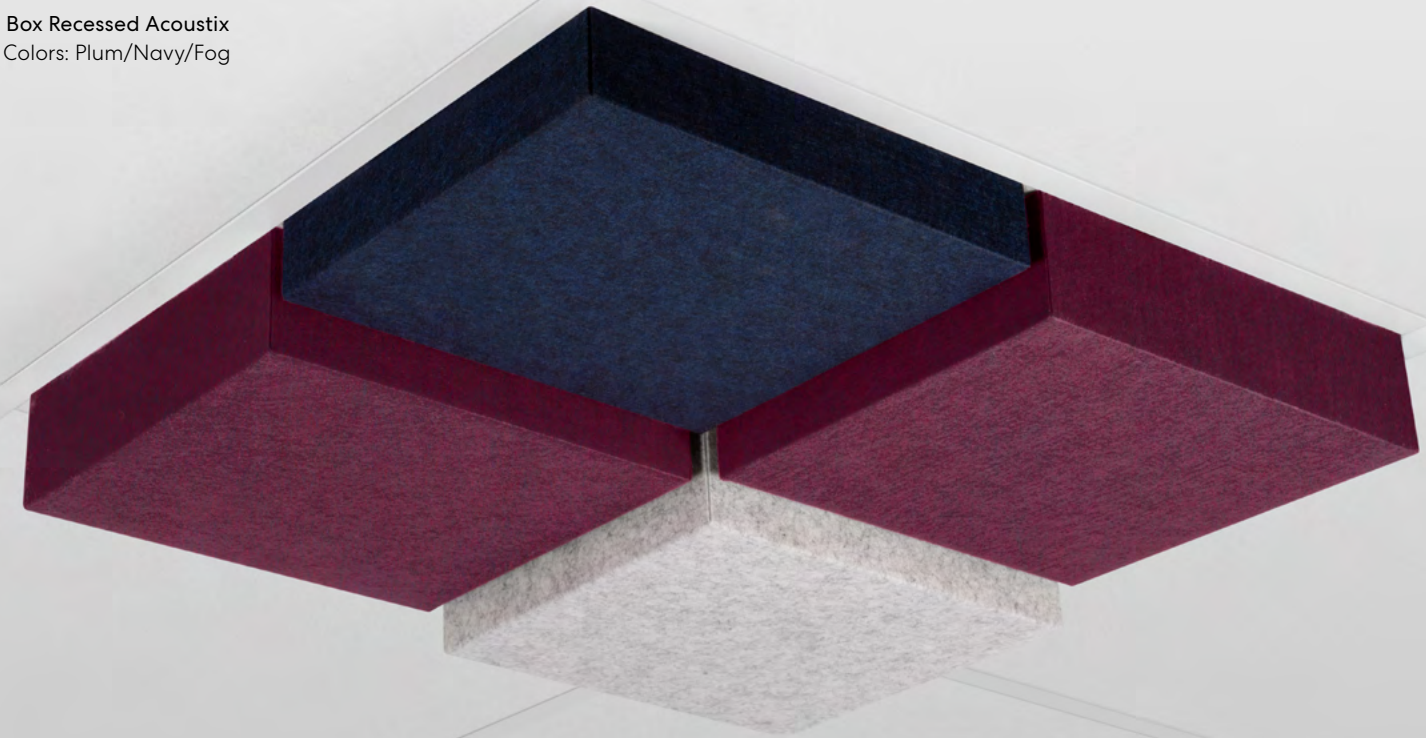
Endless Design  
Possibilities

4  
Heights

3  
Patterns



Pop Box Recessed Acoustix  
Felt Colors: Plum/Navy/Fog

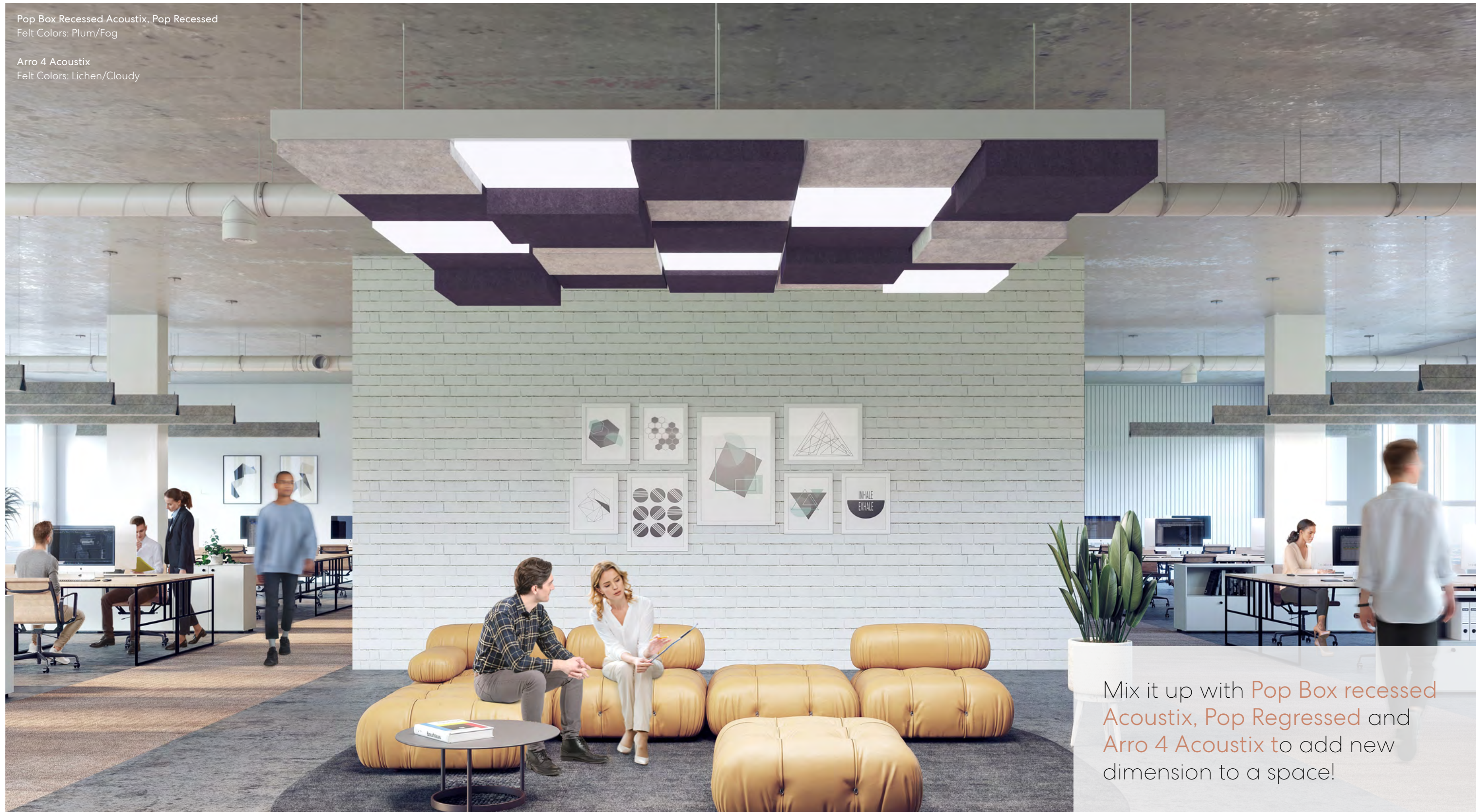


Declare.



Pop Box Recessed Acoustix, Pop Recessed  
Felt Colors: Plum/Fog

Arro 4 Acoustix  
Felt Colors: Lichen/Cloudy



Mix it up with Pop Box recessed Acoustix, Pop Regressed and Arro 4 Acoustix to add new dimension to a space!



# Overview

## Pop Recessed

### MOUNTING

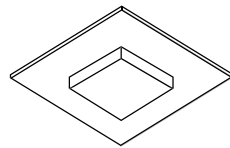
Tegular 9/16"  
Tegular 15/16"  
T-bar 9/16"  
T-bar 15/16"  
Screw Slot T-bar

### HEIGHT

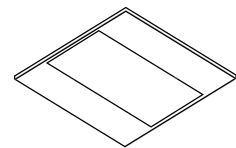
FH, 1 in, 2 in, 3in, 4 in

### PATTERN

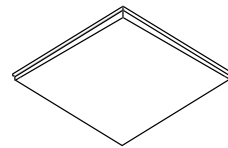
1x1  
Only available in 1' and 2' drop



1x2  
Only available in Flush



2x2  
Available in all height



Pop Box Recessed Acoustix  
Felt Color: Fog



# Mikro Wafer

A sound-absorbing wafer with a refined, thin aperture, Mikro Wafer integrates three layers of acoustic panels and our proprietary integral driver. It tucks into open ceilings and ductwork for a clean look and exceptional lines of light.

Increase of 20%  
sound absorption  
vs other horizontal  
acoustic luminaires

UP TO  
95 lm/W  
illumination

Available  
in 3 sizes

Biologically  
optimized lighting  
with BIOS LED

## OPTION



Blank



Mikro Wafer  
Felt Color: Iron



**Declare.**



Mikro Wafer  
Felt Color: Plum





Mikro Wafer  
Felt Color: Plum



# Overview

## Mikro Wafer

### DISTRIBUTION

Direct  
Direct/Indirect

### OPTIC INDIRECT

High Efficiency Lambertian  
Clear Lambertian

### COLOR RENDERING OPTIONS

80+ CRI, 90+ CRI (R9>50)

### COLOR TEMPERATURES

- 2700K
- 3000K
- 3500K
- 4000K

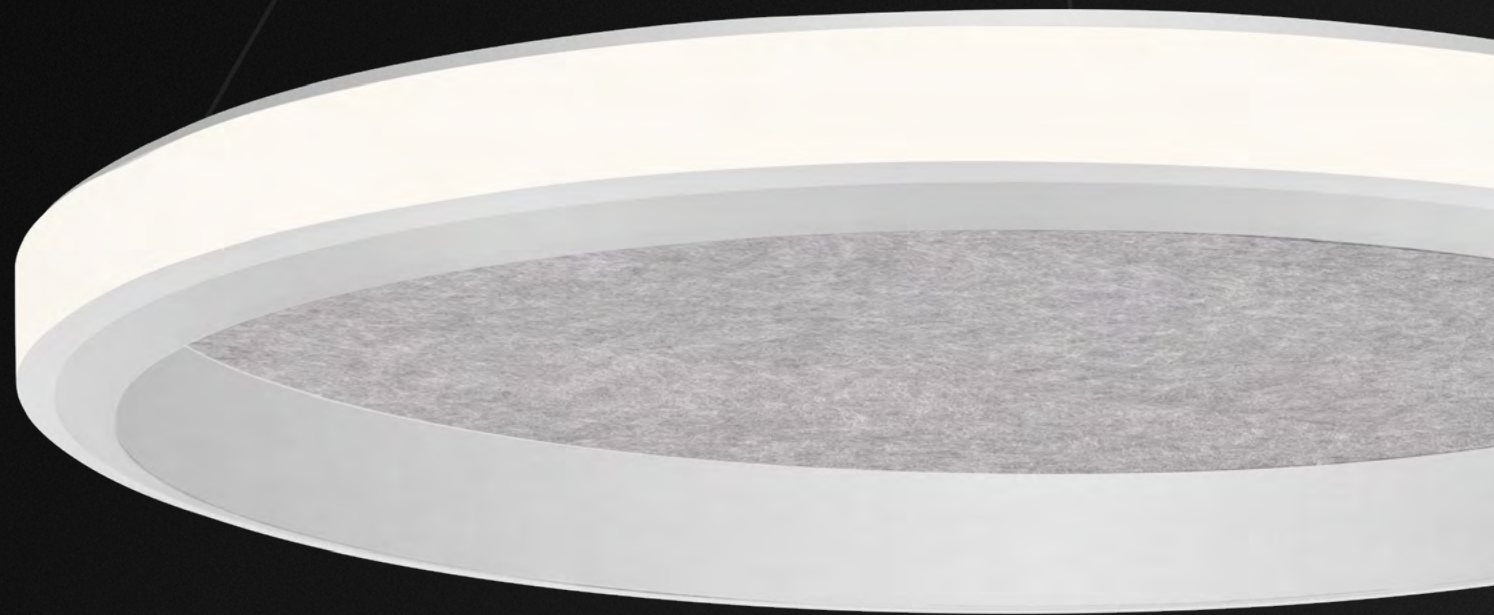
 Bios

### OPTIC INDIRECT

High Efficiency Lambertian



Rim Verso Acoustix  
Felt Color: Fog



# Rim Verso Acoustix

Noise cancelling and easy on the eyes, our Rim Verso Acoustix makes the perfect open office chandelier. Comprised of a circular sheet of sound-absorbing material surrounded by a continuous external luminaire, Rim Verso Acoustix is available in multiple colors to fit any interior design scheme.

## 3 Size Options

### OPTION



Blank with acoustic only

Direct View  
Illumination

UP TO  
77 lm/W

8000  
Maximum Lumen  
Output



Rim Verso Acoustix  
Diameter: 36 in  
Felt Color: Café





Rim Verso Acoustix  
Madera Color: Beech



# Overview

## Rim Verso Acoustix

### DISTRIBUTION

Direct View

### COLOR RENDERING OPTIONS

90+ CRI (R9>50)

### COLOR TEMPERATURES

- 2700K
- 3000K
- 3500K
- 4000K

### OPTICS

Uniform Lambertian Optic

### SIZES

24 inch diameter  
36 inch diameter  
48 inch diameter





# Togo Acoustix

With its gentle curves, sound dampening technology and single piece, seamless external luminaire, the Togo Pendant offers the best of form and function. Thanks to dual-purpose powered aircraft cable, the pendant appears to float in mid-air, offering low glare illumination and acoustic dampening that will enhance any space.

Flexible Design  
in 3 Size Options

UP TO  
85 lm/W  
Illumination

9000  
Maximum Lumen  
Output

9 Standard Color  
Options for the  
Housing

## OPTION



Blank with acoustic only



Togo Acoustix  
Felt Color: Latte  
Fixture Color: Black



**Declare.**



Togo Acoustix  
 Diameter: 36 in  
 Felt Colors: Lichen/Café  
 Housing Color: White



# Overview

## Togo Acoustix

### DISTRIBUTION

Direct Only

### COLOR RENDERING OPTIONS

90+ CRI (R9>50)

### COLOR TEMPERATURES

- 2700K
- 3000K
- 3500K
- 4000K

- Sola
- Duo
- Quadro

### OPTICS

Uniform Lambertian Optic

### DIAMETERS

- 24"
- 36"
- 48"





# Cluster Acoustix

A new spin on a classic cylinder. Cluster Acoustix offers up some stylish lighting. Cluster Acoustix is the small, precise, and soft warm lighting for any space. Based on a fundamental 1.2" square cell, Clusters provides a fresh, crisp look at architectural lighting. Cluster Acoustix comes in both planar or 4 cell configuration with many color choices on the optic louvers.

Sharp Edge, Soft Edge and Parabolic Optics available

UGR of < 10

Conical, Square or Hyper Parabolic Louvers available

Matte Black, Matte White, Black Chrome

OPTION



Blank with acoustic only



Cluster Acoustix  
Felt Colors: True Black/Fog, Forest Green/Iron, Plum/True Black  
Louvers: Matte Black



Declare.



Cluster Acoustix  
 Felt Colors: Latte and Evergreen  
 Optic: Matte Parabolic Louver in Black + Blanks



# Overview

## Cluster Acoustix

DISTRIBUTION	COLOR RENDERING OPTIONS	OPTIC DIRECT
Direct	90+ CRI (R9>50)	Parabolic Soft edge downlight Sharp edge downlight

COLOR TEMPERATURES	LOUVER TYPE	LOUVER FINISH
<input type="radio"/> 2700K <input type="radio"/> 3000K <input type="radio"/> 3500K <input type="radio"/> 4000K	<input type="radio"/> Sola <input type="radio"/> Duo <input type="radio"/> Bios	<input type="radio"/> Conical <input type="radio"/> Hyperbolic <input type="radio"/> Square
		<input type="radio"/> Textured Matte White <input checked="" type="radio"/> Textured Matte Black <input type="radio"/> Black Chrome

\* Please see the latest specification sheet on our website for all possible combinations for the Cluster Acoustix.



Cluster Acoustix  
Felt Colors: Navy/Iron



# Arq Acoustix

Light and sound solutions work in concert in the Arq Globe Acoustix, Arq Flair Acoustix, and Arq Aera Acoustix luminaires, the three pendants that compose our Arq Acoustix product line. Sleek and minimalist in form, they deliver quality illumination with shades made of felt created from recycled bottles, a material that not only absorbs sound and reduces reverberation, but also exudes warmth and adds a tactile dimension to the lighting experience.

The Arq Globe is lit fully with our Isotropic Radiant Optic™ (IRO™) distributing light smoothly and evenly in all directions, thereby avoiding undesirable hotspots. The Arq Flair uses an artistic diffuser for soft-glowing direct or direct/indirect distribution, while the Arq Aera benefits from Lumenwerx's XPoint™ Refraction Technology, offering direct or direct/indirect distribution with precise optical control.

### 3 MODELS

Arq Globe, Arq Flair  
and Arq Aera

### 1 SIZE

24" Diameter

### DISTRIBUTIONS

Direct (Arq Globe)  
Direct, Direct/Indirect  
(Arq Flair, Arq Aera)

### FELT SHADES

4 Color Combinations



Arq Globe Acoustix  
Felt Color Combination:  
Midnight Blue/Cloudy  
Globe Diameter: 8'





# One archetype, three variations



UP TO  
113 lm/W  
Performance

Increased  
Noise Control

Sustainable  
Acoustic Control



### ARQ FLAIR

Incorporates a cylindrical diffuser for a contemporary look and feel.



### ARQ GLOBE

Exudes vintage vibes with its exposed bulbous Globe light.



### ARQ AERA

Brings uplight, downlight and sustainable acoustic solutions



Arq Aera Acoustix  
Felt Color Combination: Latte/Sand



Arq Aera brings **uplight**, **downtight** and **sustainable acoustic solutions** to the table



# Overview

## Arq

DISTRIBUTIONS	COLOR RENDERING OPTIONS	MOUNTING CABLE LENGTHS
<p><b>ARQ FLAIR</b> Direct and Direct/ Indirect</p> <p><b>ARQ GLOBE</b> Direct</p> <p><b>ARQ AERA</b> Direct and Direct/Indirect</p>	<p>80, 90, 95 CRI</p>	<p>24 in, 36 in, 48 in</p>
COLOR TEMPERATURES	OPTICS	SIZES
<p>2200K</p> <p>2400K</p> <p>2700K</p> <p>3000K</p> <p>3500K</p>	<p>4000K</p> <p>5000K</p> <p>Sola</p> <p>Duo</p> <p>Full Spectrum</p> <p><b>ARQ FLAIR</b> Artistic Diffuser</p> <p><b>ARQ GLOBE</b> Isotropic Radiant Optic™ (IRO™)</p> <p><b>ARQ AERA</b> XPoint™ Refraction Technology</p>	<p>24 in diameter</p>
COLOR COMBINATIONS		





Folia Bellis  
Various Shapes  
Felt Color: Lichen



# Folia Acoustix

Inspired by Nature

The four luminaires that make up our Folia Acoustix product line—Folia Bellis, Folia Calla, Folia Calla Shallow, and Folia Dahlia—were designed to not only deliver quality illumination, but also to reduce sound reverberation and act as decorative elements in interior settings.

Composed of numerous layers of sound absorbing materials created from recycled bottles, the voluminous fixtures are graced with an esthetic inspired by the shapes and forms of the botanical world. Unlit during the day, they appear as visually rich sculptural mobiles, but come nighttime, the dynamic luminaires transform into glowing celestial bodies.

#### 4 MODELS

Folia Bellis, Folia Calla,  
Folia Calla Shallow,  
Folia Dahlia

#### 3 SIZES

24", 36", 48" Diameter

#### DISTRIBUTIONS

Outward  
& Outward/Inward



# Folia Acoustix



UP TO  
90 lm/W  
Performance

Increased  
Noise Control

Sustainable  
Acoustic Control



FOLIA BELLIS



FOLIA CALLA



FOLIA CALLA SHALLOW



FOLIA DAHLIA



Folia Dhalia  
Diameters: 24" and 36"  
Felt Color: Forest Green



Quality illumination and **reduced sound** reverberation

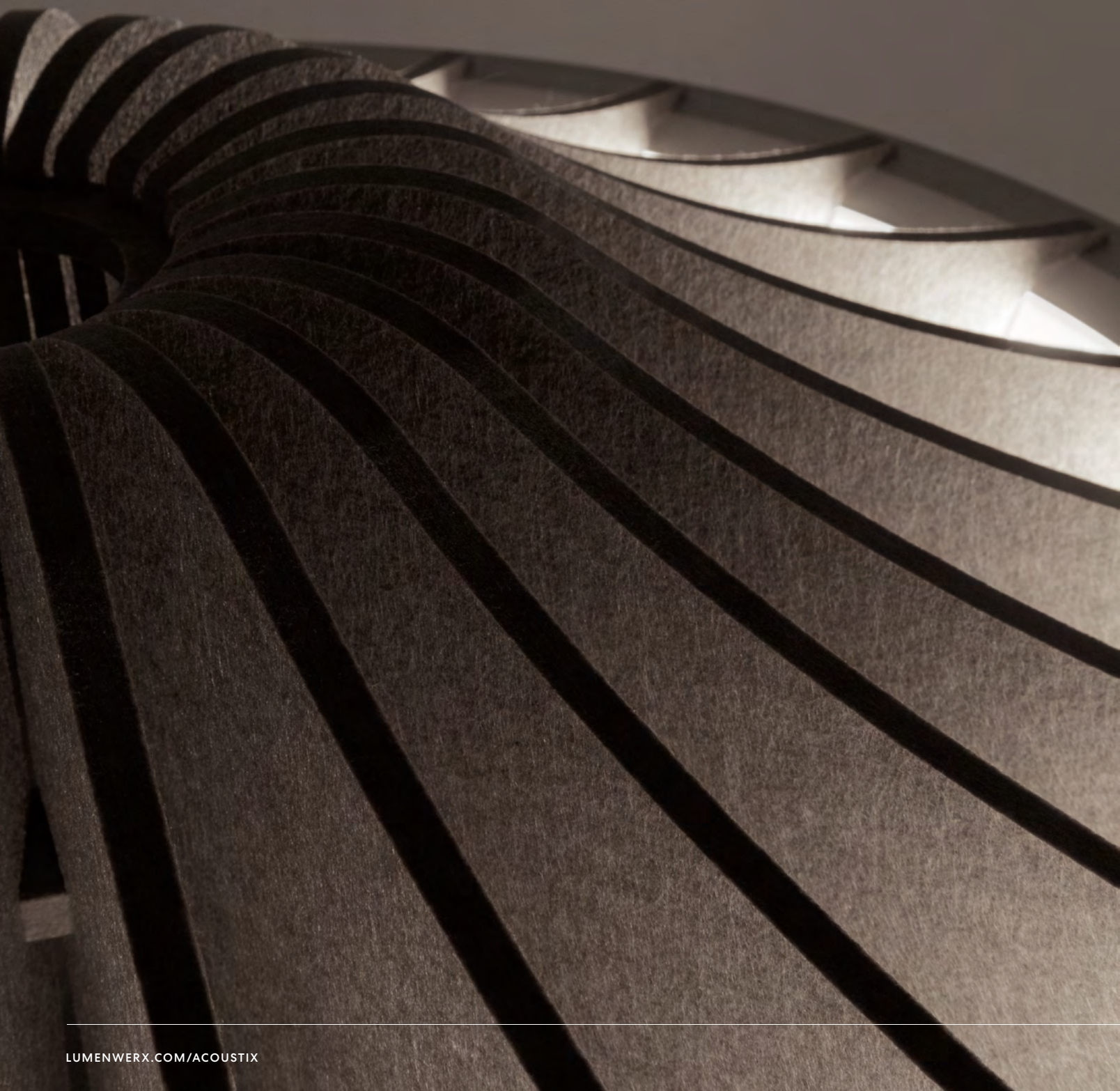


Folia Calla and Folia Bellis  
 Diameter: 36"  
 Felt Color: Blush

Functional  
 and decorative



Folia Calla  
Felt Color: Mocha



# Overview

## Folia

### DISTRIBUTION

Outward  
Outward/ Inward

### COLOR RENDERING OPTIONS

90 CRI

### SIZES (DIAMETER)

24 in, 36 in, 48 in

### COLOR TEMPERATURES

2700K

3000K

3500K

4000K

Sola

Duo

Quadro

### OPTICS

Uniform Lambertian Optic (ULO)

### MOUNTING CABLE LENGTHS

24 in  
36 in  
48 in



# Calculation Tool Guide

How do acoustics works?



Arq Flair Acoustix  
Felt Color Combination:  
Midnight Blue/Cloudy





# Crafting the ideal solution

While in the past, sound was absorbed with carpet, wall hangings and ceiling grids, today's minimalist spaces need an architecturally integrated solution.

## USEFUL GLOSSARY OF TERMS

**Sabin** - a unit of sound absorption, equal to one square foot of a perfectly absorptive surface

**Hertz**- (abbreviated: Hz) is the standard unit of measurement used for measuring frequency. Since frequency is measured in cycles per second, one hertz equals one cycle per second. Hertz is commonly used to measure wave frequencies, such as sound waves, light waves, and radio waves.

**NRC** - The Noise Reduction Coefficient (NRC) is a scalar representation of the amount of sound energy absorbed after that energy strikes a particular surface. An NRC of zero indicates a

perfect reflection of the sound energy, and an NRC of one indicates a perfect absorption of it.

**Frequency** - the number of cycles or completed alternations per unit time of a wave or oscillations.

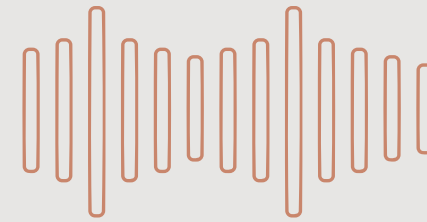
**Decibel** - a unit used to measure the intensity of a sound or the power level of an electrical signal by comparing it with a given level on a logarithmic scale.

**Reverb** - is a shaking or echoing effect that is added to a sound

**Reverberation Time** - is a measure of the time required for the sound to "fade away" in an enclosed area after the source of the sound has stopped.



## CHALLENGE: SOUND



In unobstructed open space, sound travels at 1000 ft/second. In a 50" x 20" room, that sound might bounce off hard surfaces up to 60 times before dying out.

## SOLUTION: REDIRECTING SOUND



By redirecting sound we can reduce the speed that sound travels. When sound hits a barrier and bounces, reverberation time, or echo, is reduced.

## CHALLENGE: ECHO (REVERBERATION TIME)



"Reverberation" is delayed sound caused by prolonged reflection. Excess reverberation creates noise issues in the built environment, and can reduce the comprehension of speech.

## SOLUTION: SOUND ABSORPTION



By using acoustic absorbing materials and sound trapping strategies such as the Helmholtz resonance principal, we can create areas to trap the sound. This can be done using wall coverings and carpets but given the desire for clean sleek minimal spaces it makes sense to deploy an acoustic system incorporating the lit environment of the space.

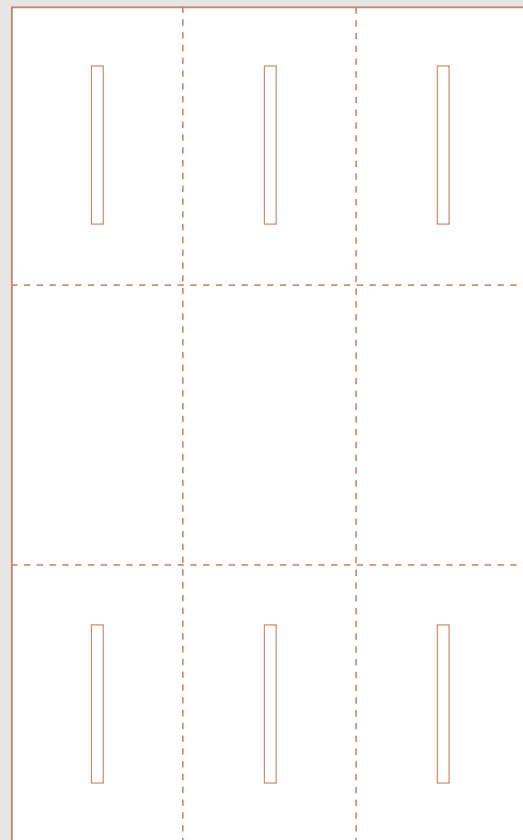


# How to improve acoustics in a room?

We approach acoustic design the same way we approach lighting design—by layering solutions. One system offers improvement, but two or even three acoustic systems will further decrease reverberation time and reduce unwanted noise. Humans can notice an acoustic improvement of 0.2 seconds in reverberation time. We have incorporated this into our Good, Better, and Best acoustic value calculations.

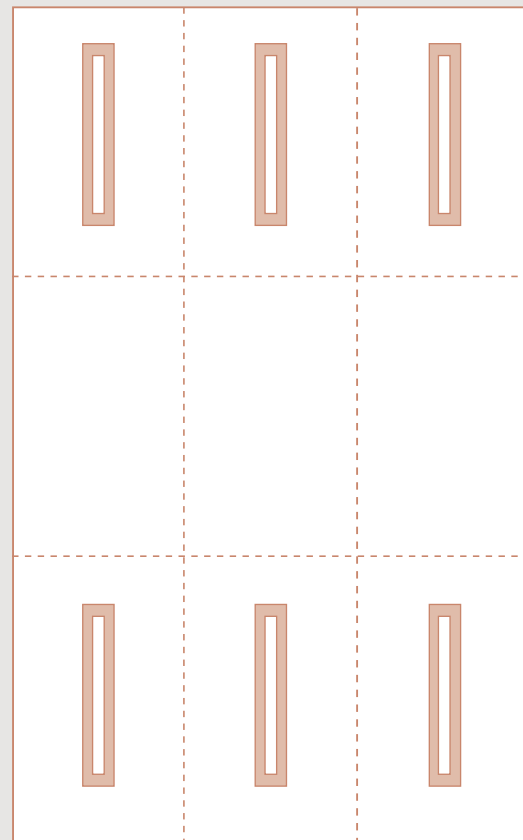
😊 General lighting  
😞 No acoustic

0%      1.3 s Reverberation time



😊 General lighting  
😞 GOOD Acoustic

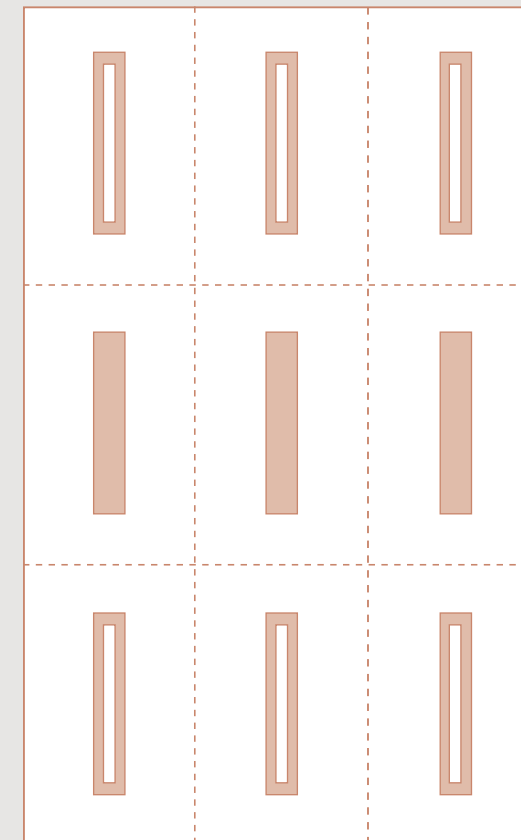
-25%      0.98 s Reverberation time



- 😊 Good: Reverberation time is reduced by 25%
- 😊😊 Better: Reverberation time is reduced by 40%
- 😊😊😊 Best: Reverberation time is reduced by 50%

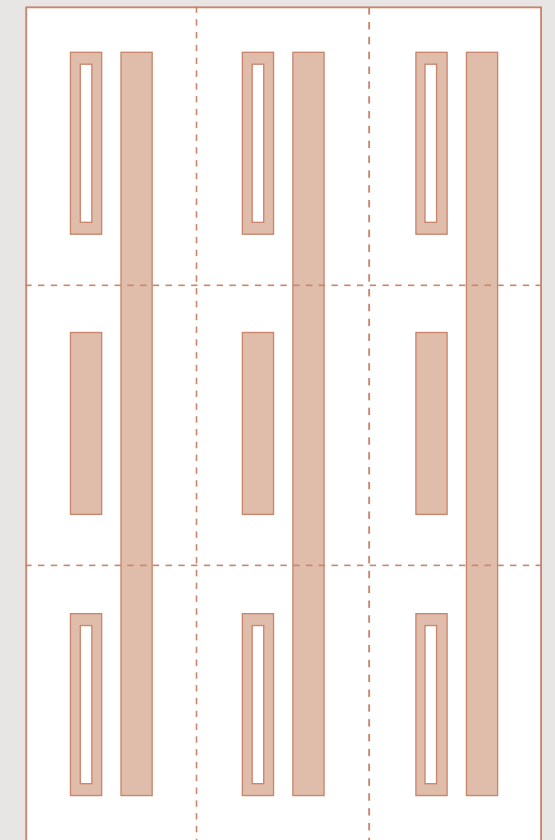
😊 General lighting  
😞😞 BETTER Acoustic

-40%      0.78 s Reverberation time



😊 General lighting  
😞😞😞 BEST Acoustic

-50%      0.65 s Reverberation time





# Easy acoustic calculations?

Developed in conjunction with acousticians, the Lumenwerx Acoustix Value Formula (LAVF) is a simple math equation that uses a ratio to determine acoustic needs. In the LAVF, we assume that one wall is glass, three walls and the ceiling are gypsum board, and the flooring is concrete. The basis of the equation mimics a poorly performing acoustic space. By applying the ratios, we can determine how many luminaires are required for “Good”, “Better” or “Best” acoustic performance, using the standard ceiling height of 9 feet and 4 foot luminaires.

For advanced calculations please contact your regional sales manager. We have a team of trained experts that will be happy to assist you.

Good: Reverberation time is reduced by 25%

Better: Reverberation time is reduced by 40%

Best: Reverberation time is reduced by 50%

See next page for illustrated example



## Lumenwerx Acoustix Value Formula

1. Calculate the square feet of your room (length x width)
2. Select your luminaire
3. Choose the level of acoustic improvement you are looking for and select the associated Acoustix Value:  
😊 Good 😊😊 Better 😊😊😊 Best
4. Use the Lumenwerx Acoustix Value Formula

---


$$\text{Square Feet} \div \text{Value} = \text{Number of luminaires needed in the room}$$


---

\* Lumenwerx acoustic calculators were developed to act as a guide.  
For precise acoustic performance in a space, please consult an acoustician.



# Using the formula

CLUSTER ACOUSTIX SQUARE	GOOD 😊	BETTER 😊😊	BEST 😊😊😊
Square	61	30	20



## Lumenwerx Acoustix Value Formula

1. Calculate the square feet of your room:  
(L:20ft x W:20ft) 400 sq ft
2. Select your luminaire: Cluster Acoustix Square
3. Choose the level of acoustic improvement you are looking for and select the associated Acoustix Value:  
😊😊😊 Best : 20
4. Use the Lumenwerx Acoustix Value Formula

---


$$400 \div 20 = 20 \text{ fixtures}$$

(sq ft)      (Acoustix value) (10 luminaires + 10 blanks)

---

The Acoustix Value Formula is a simple calculator used to establish the recommended number of acoustic luminaires required in a space. For more complex spaces, or specific materials please contact your regional sales manager. We have a team of trained experts that will be happy to assist you with your calculations.

\* Lumenwerx acoustic calculators were developed to act as a guide.  
For precise acoustic performance in a space, please consult an acoustician.

\*\*The complete Acoustix offering value table can be found on the next page.



# Lumenwerx Acoustix Value Tables

Room dimensions under 300 sq/ft

PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
<b>Arq Acoustix</b>	24" □		25	14	11
<b>Arro 4 Acoustix</b>	Direct	4'	22	10	7
	Direct/Indirect	4'	20	10	6
	Direct	6'	32	15	10
	Direct/Indirect	6'	30	14	10
	Direct	8'	43	20	14
	Direct/Indirect	8'	40	19	13
	Direct	10'	53	25	17
	Direct/Indirect	10'	50	24	16
	Direct	12'	64	30	20
<b>Cluster Acoustix</b>	Direct/Indirect	12'	60	28	19
	Round	22"	30	15	10
<b>Curvia Acoustix</b>	Square	22"	38	19	13
	Height: 8"	4'	19	9	6
	Height: 12"	4'	29	14	8
<b>Folia Calla Acoustix</b>	Height: 16"	4'	38	19	12
	24" □		35	20	15
	36" □		81	46	35
<b>Folia Calla Shallow Acoustix</b>	48" □		147	84	63
	24" □		25	14	11
	36" □		58	32	25
<b>Folia Bellis Acoustix</b>	48" □		105	59	46
	24" □		40	25	20
	36" □		92	58	46
<b>Folia Dahlia Acoustix</b>	48" □		168	105	84
	24" □		40	25	20
	36" □		92	58	46
	48" □		168	105	84



Using the Lumenwerx Acoustix Value Calculator table, you can determine the number of acoustic lit and blank luminaires required in a space by fixture type. Three levels of recommended sound reduction are available: Good, Better, and Best. Selecting one of these options will reduce sound accordingly, with the Best option providing the greatest acoustic improvement. The ratios are based on a standard ceiling height of 9 feet.

PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
<b>Mikro Wafer</b>	Rectangle	20"x24"	39	20	13
		20"x36"	59	30	19
		20"x48"	78	40	25
<b>Pop Recessed Acoustix</b>	Flush	1x1	3	2	1
	Drop 1"	1x1	4	2	1
	Drop 2"	1x1	6	3	2
	Flush	1x2	7	3	2
	Flush	2x2	14	7	4
	Drop 1"	2x2	16	7	5
	Drop 2"	2x2	18	9	6
<b>Rim Verso Acoustix</b>	Drop 3"	2x2	20	10	6
	Drop 4"	2x2	23	11	7
	24" □		18	9	6
	36" □		42	20	14
<b>Squero Acoustix</b>	48" □		75	38	25
	Height: 8"	4'	19	9	6
	Height: 12"	4'	29	14	8
<b>Squero Acoustix Spoke V60, V90, V120</b>	Height: 16"	4'	38	19	12
	Height: 8"	24"	19	9	6
		36"	29	14	9
		48"	38	19	12
	Height: 12"	24"	29	14	8
		36"	44	21	12
<b>Squero Acoustix Spoke V60, V90, V120</b>		48"	58	28	16
	Height: 16"	24"	38	19	12
		36"	57	29	18
		48"	76	38	24



# Lumenwerx Acoustix Value Tables

Room dimensions under 300 sq/ft

PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
<b>Squero, Via 1.5 &amp; 2 Acoustix Spoke Y-Shaped</b>	Height: 8"	24"	29	14	9
		36"	43	20	14
	Height: 12"	24"	44	21	12
		36"	65	32	18
Height: 16"	24"	57	29	18	
	36"	86	43	27	
<b>Squero, Via 1.5 &amp; 2 Acoustix Spoke X-Shaped</b>	Height: 8"	24"	38	18	12
	Height: 12"	24"	58	28	16
	Height: 16"	24"	76	38	24
<b>Squero Hubs Acoustix</b>	Square	2"x2"	29	14	8
		2"x2"	13	6	4
		2"x2"	7	4	2
	Rectangle	2"x3"	19	9	5
		2"x4"	15	7	4
		2"x5"	12	6	3
		2"x6"	10	5	3
		2"x7"	8	4	2
		2"x8"	7	4	2
		3"x4"	10	5	3
		3"x5"	8	4	2
		3"x6"	6	3	2
		3"x7"	6	3	2
		3"x8"	5	2	1
		4"x5"	6	3	2
		4"x6"	5	2	1
4"x7"	4	2	1		
4"x8"	4	2	1		



PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊	
<b>Squero Hubs Acoustix</b>	Triangle	2'	67	32	18	
		3'	30	14	8	
		4'	17	8	5	
	Hexagon	2'	11	5	3	
		Height: 8"	4'	19	9	6
			6'	29	14	9
Height: 12"	4'		29	14	8	
	6'	44	21	12		
	8'	58	28	16		
	Height: 16"	4'	38	19	12	
		6'	57	29	18	
		8'	76	38	24	
<b>Togo Acoustix</b>	24" □		18	9	6	
		36" □	42	20	14	
		48" □	75	38	25	
<b>Via 1.5 &amp; 2 Acoustix</b>	Height: 8"	4'	19	9	6	
		6'	29	14	9	
		8'	38	18	12	
	Height: 12"	4'	29	14	8	
		6'	44	21	12	
		8'	58	28	16	
	Height: 16"	4'	38	19	12	
		6'	57	29	18	
		8'	76	38	24	
<b>Via Stil</b>	Height: 12"	2'	10	5	3	
		4'	19	9	6	
		6'	29	14	9	
	Height: 16"	2'	15	7	4	
		4'	29	14	8	
		6'	44	21	14	
	Height: 20"	2'	19	10	6	
		4'	38	19	12	
		6'	57	29	18	



# Lumenwerx Acoustix Value Tables

Room dimensions over 300 sq/ft

PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
<b>Arq Acoustix</b>	24" □		39	22	17
<b>Arro 4 Acoustix</b>	Direct	4'	33	17	11
	Direct/Indirect	4'	31	16	11
	Direct	6'	49	26	17
	Direct/Indirect	6'	46	24	16
	Direct	8'	66	34	23
	Direct/Indirect	8'	62	32	21
	Direct	10'	81	42	28
	Direct/Indirect	10'	76	39	26
	Direct	12'	98	51	34
	Direct/Indirect	12'	91	47	32
	<b>Cluster Acoustix</b>	Round	22"	48	24
	Square	22"	61	30	20
<b>Curvia Acoustix</b>	Height: 8"	4'	29	15	10
	Height: 12"	4'	45	22	14
	Height: 16"	4'	58	29	19
<b>Folia Calla Acoustix</b>	24" □		66	45	30
	36" □		125	71	53
	48" □		228	130	98
<b>Folia Calla Shallow Acoustix</b>	24" □		39	22	17
	36" □		89	50	39
	48" □		163	91	72
<b>Folia Bellis Acoustix</b>	24" □		70	50	35
	36" □		143	89	71
	48" □		260	163	130
<b>Folia Dahlia Acoustix</b>	24" □		70	50	35
	36" □		143	89	71
	48" □		260	163	130



PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊	
<b>Mikro Wafer</b>	Rectangle	20"x24"	64	30	20	
		20"x36"	96	45	30	
		20"x48"	128	60	40	
<b>Pop Recessed Acoustix</b>	Flush	1x1	5	3	2	
	Drop 1"	1x1	7	3	2	
	Drop 2"	1x1	8	4	3	
	Flush	1x2	11	5	4	
	Flush	2x2	21	11	7	
	Drop 1"	2x2	24	12	8	
	Drop 2"	2x2	28	14	10	
	Drop 3"	2x2	31	16	11	
	Drop 4"	2x2	35	18	12	
	<b>Rim Verso Acoustix</b>	24" □		28	14	9
		36" □		65	32	22
48" □			120	59	41	
<b>Squero Acoustix</b>	Height: 8"	4'	29	15	10	
	Height: 12"	4'	45	22	14	
	Height: 16"	4'	58	29	19	
<b>Squero Acoustix Spoke V60, V90, V120</b>	Height: 8"	24"	29	15	10	
		36"	44	23	15	
		48"	58	30	20	
	Height: 12"	24"	45	22	14	
		36"	68	33	21	
		48"	90	44	28	
	Height: 16"	24"	58	29	19	
	36"	90	44	28		
	48"	116	58	38		



# Lumenwerx Acoustix Value Tables

Room dimensions over 300 sq/ft

PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
<b>Squero, Via 1.5 &amp; 2 Acoustix Spoke Y-Shaped</b>	Height: 8"	24"	44	23	15
		36"	65	34	23
	Height: 12"	24"	68	33	21
		36"	101	50	32
Height: 16"	24"	87	44	29	
	36"	131	65	43	
<b>Squero, Via 1.5 &amp; 2 Acoustix Spoke X-Shaped</b>	Height: 8"	24"	58	30	20
	Height: 12"	24"	90	44	28
	Height: 16"	24"	116	58	38
<b>Squero Hubs Acoustix</b>	Square	2"x2"	45	22	14
		2"x2"	20	10	6
		2"x2"	11	6	4
	Rectangle	2"x3"	30	15	9
		2"x4"	23	11	7
		2"x5"	18	9	6
		2"x6"	15	7	5
		2"x7"	13	6	4
		2"x8"	11	6	4
		3"x4"	15	7	5
		3"x5"	12	6	4
		3"x6"	10	5	3
		3"x7"	9	4	3
		3"x8"	8	4	2
4"x5"	9	4	2		
4"x6"	8	4	2		
4"x7"	6	3	2		
4"x8"	6	3	2		



PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
<b>Squero Hubs Acoustix</b>	Triangle	2'	104	51	32
		3'	46	23	14
		4'	26	13	8
	Hexagon	2'	17	8	5
<b>Tab Acoustix</b>	Height: 8"	4'	29	15	10
		6'	44	23	15
		8'	58	30	20
	Height: 12"	4'	45	22	14
		6'	68	33	21
		8'	90	44	28
		4'	58	29	19
		6'	87	44	29
	8'	116	58	38	
<b>Togo Acoustix</b>	24" □		28	14	9
	36" □		65	32	22
	48" □		120	59	41
<b>Via 1.5 &amp; 2 Acoustix</b>	Height: 8"	4'	29	15	10
		6'	44	23	15
		8'	58	30	20
	Height: 12"	4'	45	22	14
		6'	68	33	21
		8'	58	30	20
		4'	58	29	19
		6'	87	44	29
	8'	116	58	38	
<b>Via Stil</b>	Height: 12"	2'	15	8	5
		4'	29	15	10
		6'	44	23	15
	Height: 16"	2'	23	11	7
		4'	45	22	14
		6'	68	33	21
		2'	29	15	10
		4'	58	29	19
	6'	87	44	29	



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