

Lumenwerx 

Acoustix

INNOVATION IN ACOUSTIC LIGHTING

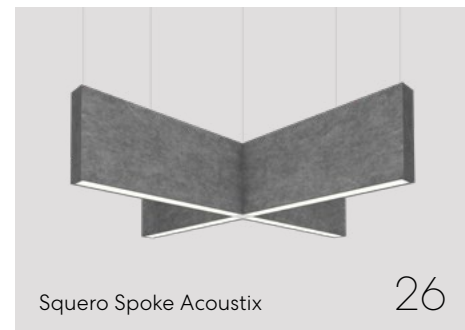




Acoustix Collection

Uncompromised illumination with excellent sound absorption

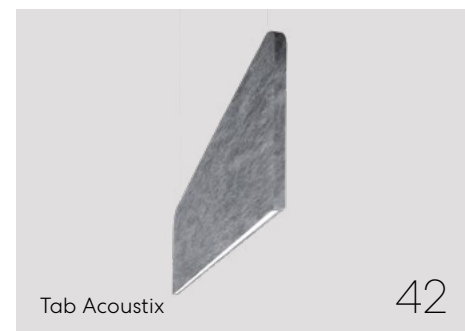
Linears



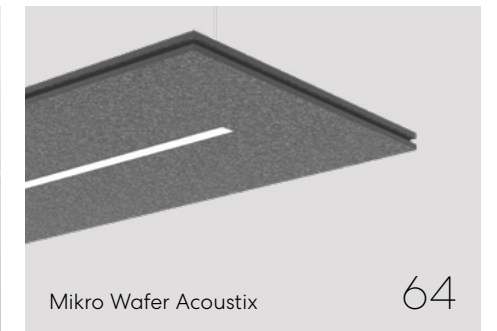
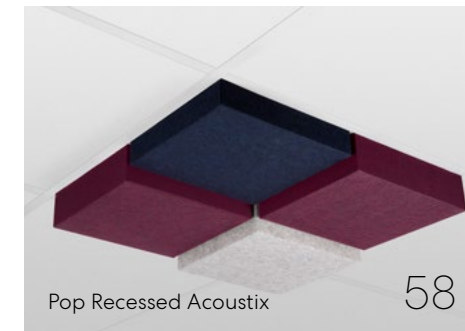
Curvlinears



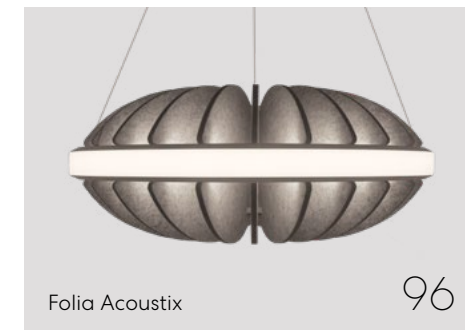
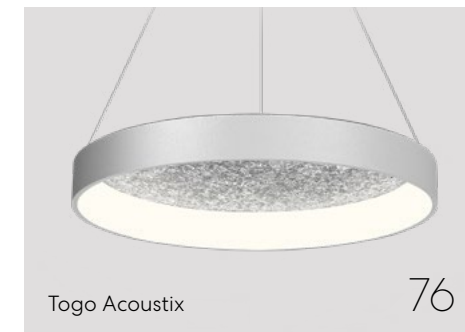
Vertical Acoustix



Horizontal Acoustix

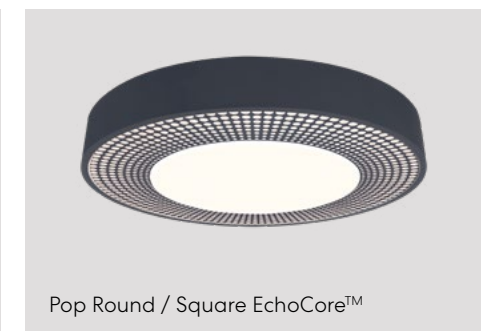
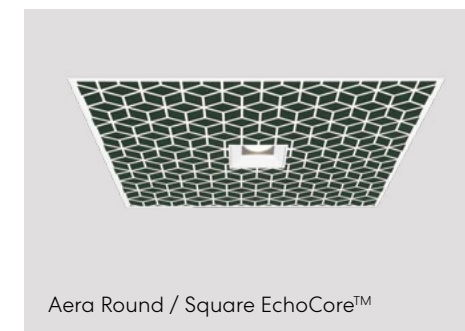


Architectural Decorative



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 This has been replaced by today's open office concept.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

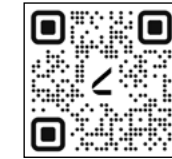


Hard Reflecting Surfaces



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.



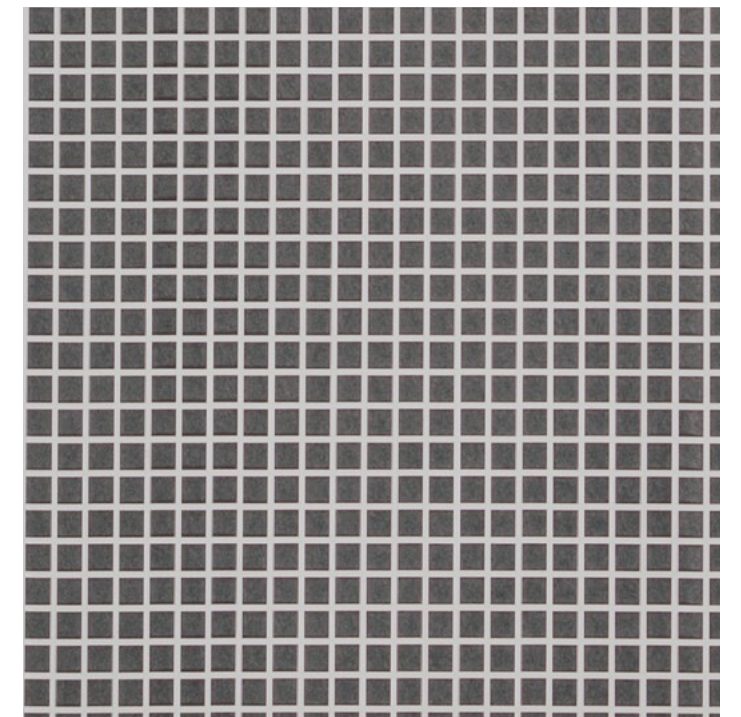
Explore the architectural possibilities of the EchoCore Collection™ in the dedicated brochure.

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

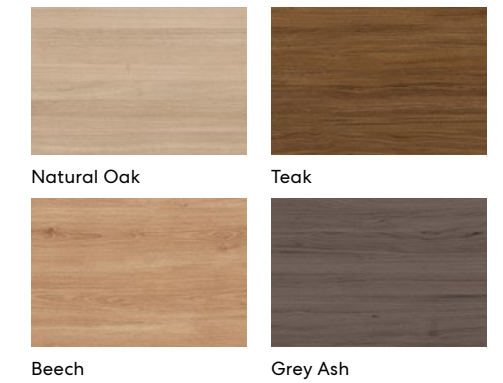
Mold Resistant
& Breathable



STANDARD COLORS



MADERA COLORS

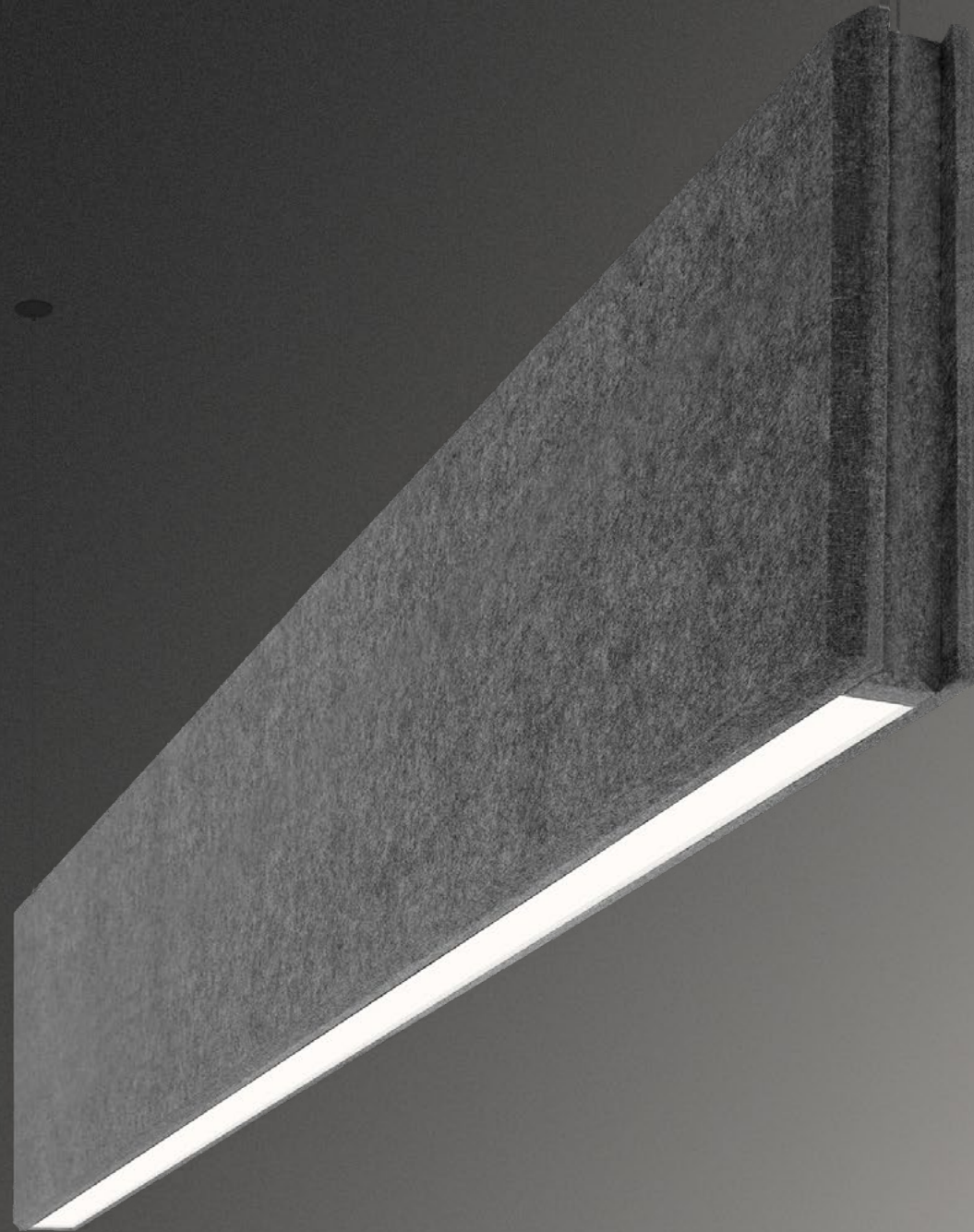


PREMIUM COLORS





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

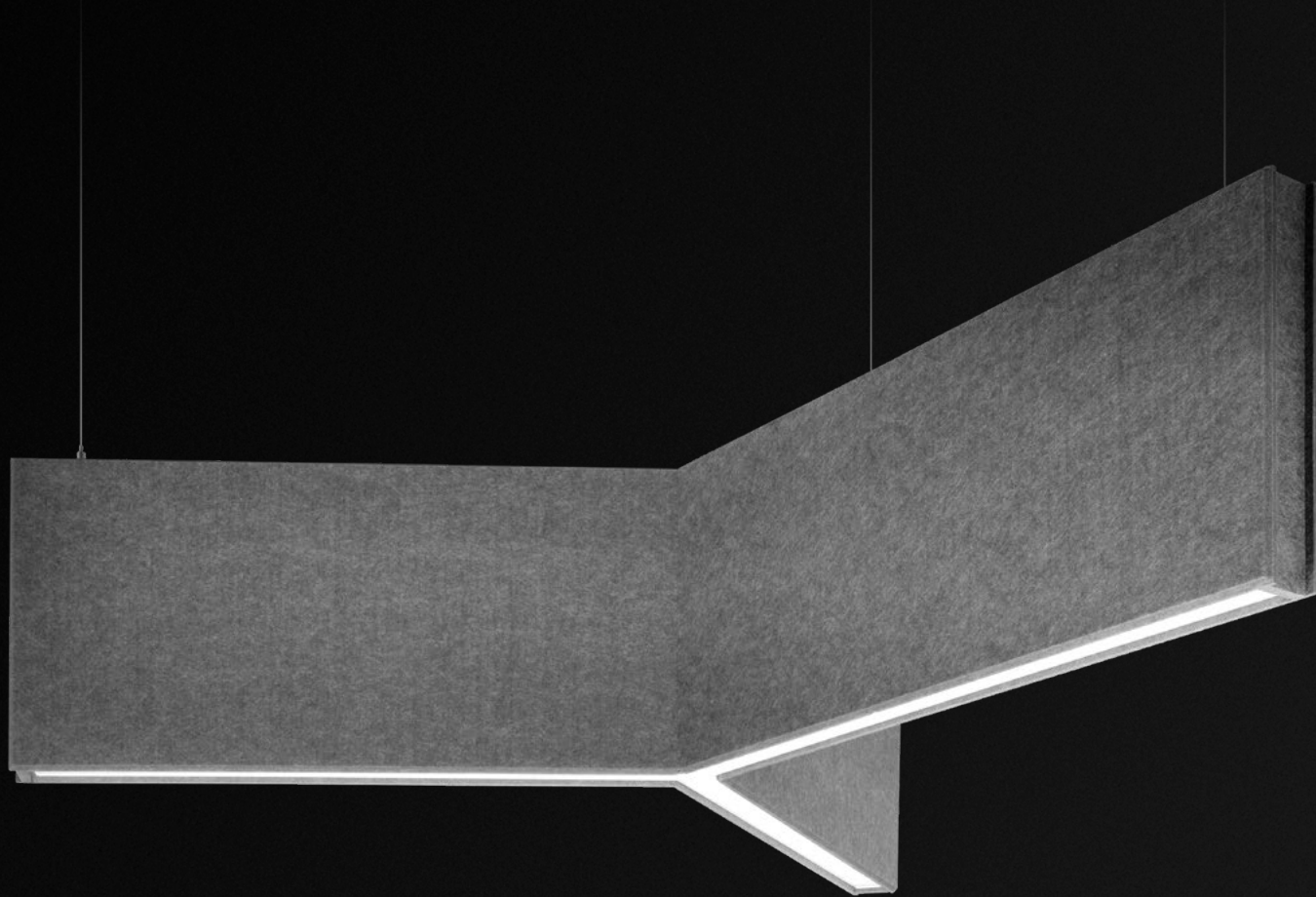
Continuous Run
Available

<19 UGR
(Unified Glare Rating)

UP TO
74 lm/W



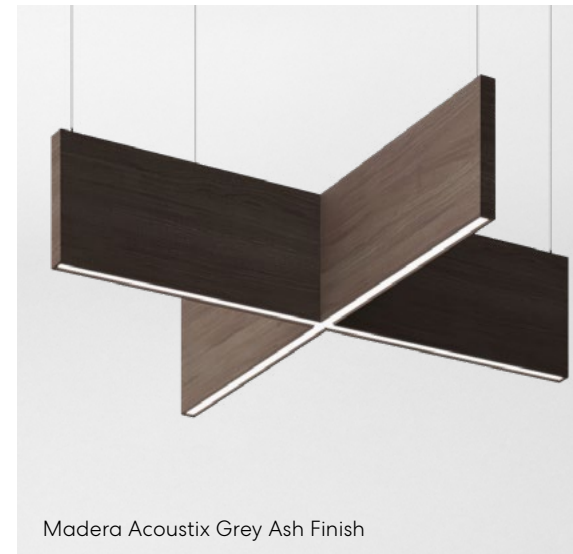
Via 2 Spoke Acoustix
Y-Shaped
Felt Color: Iron
Optic: HLO



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"> ● 2700K  Sola ● 3000K  Duo ● 3500K  Quadro ● 4000K  Full Spectrum ● Bios  Bios 	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

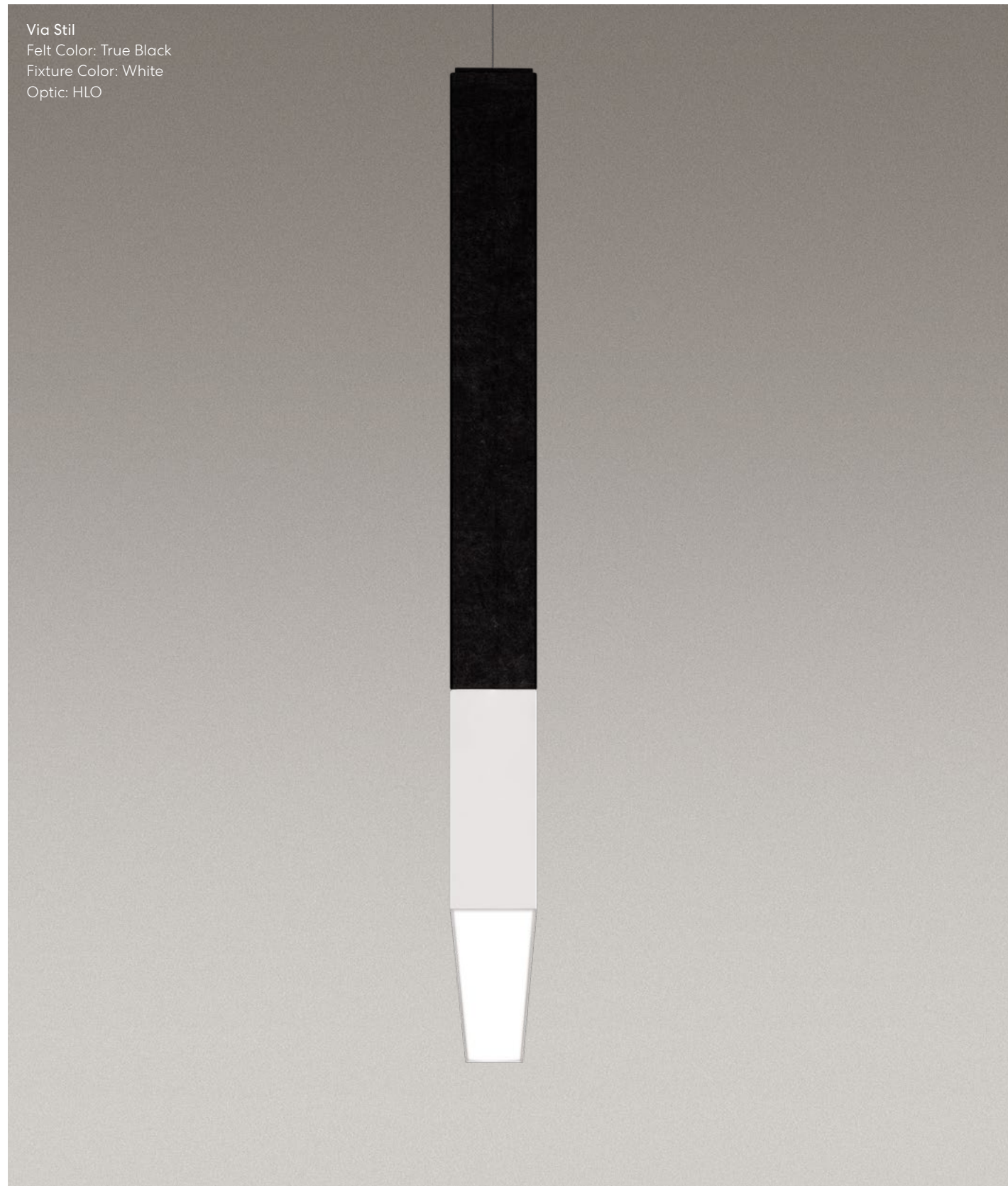


Blank (Acoustic only)



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

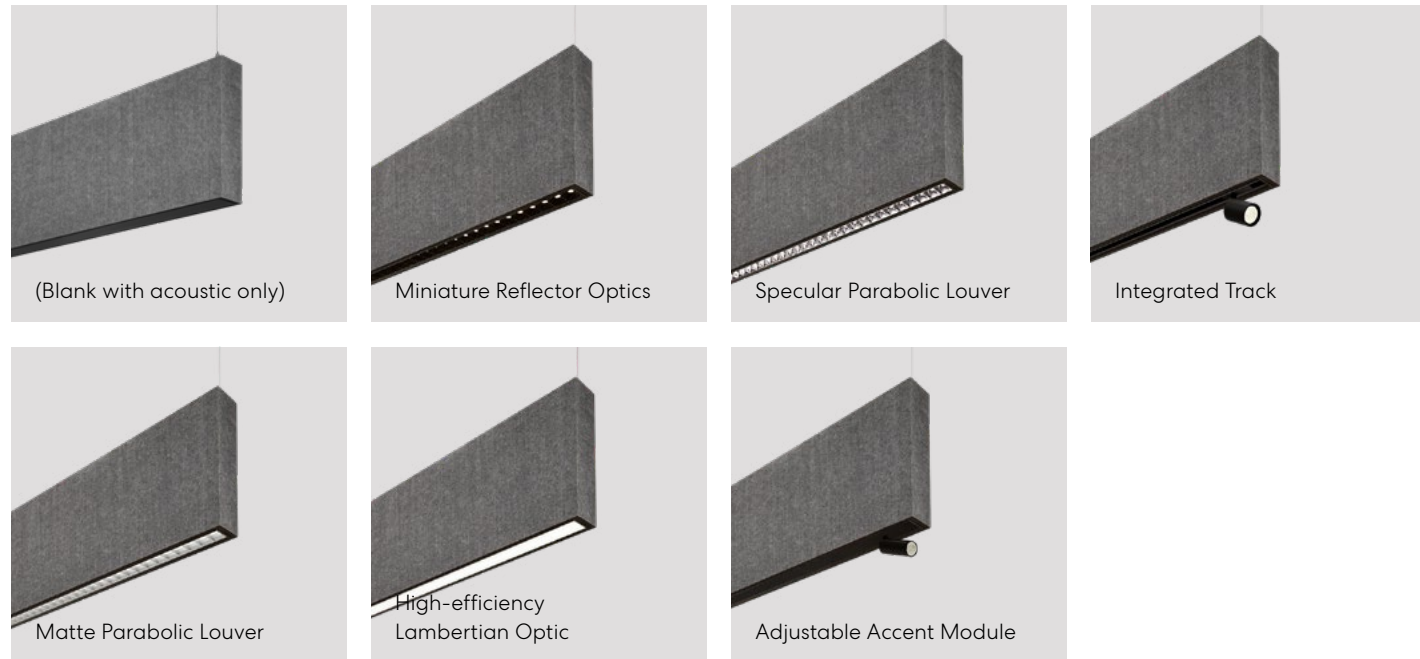
Asymmetric Reflector Optic
High efficiency Lambertian Optic
Wall Wash Reflector Optic



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



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

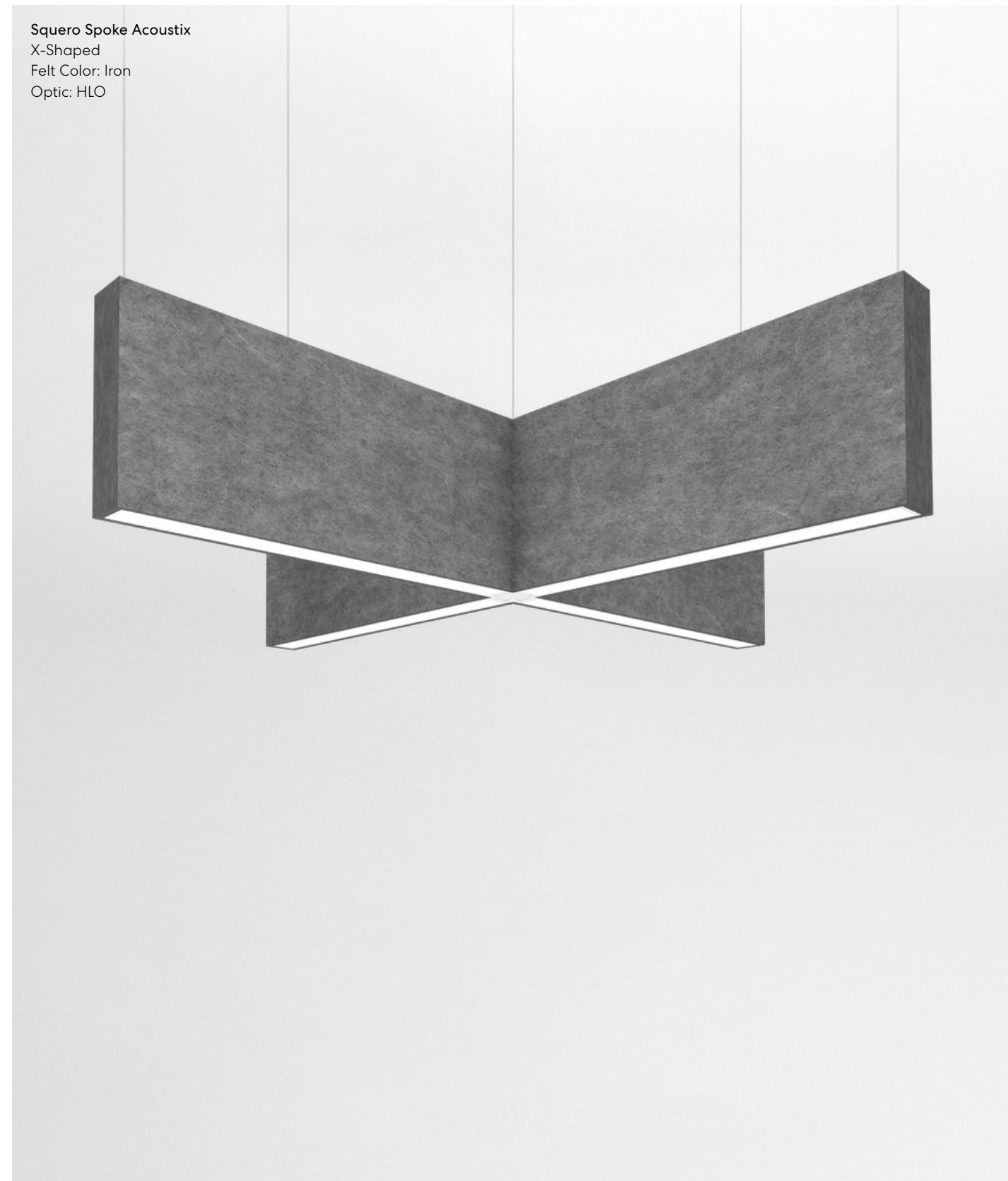


Squero Spoke Acoustix
Y-Shaped
Madera Color: Natural Oak
Optic: HLO





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



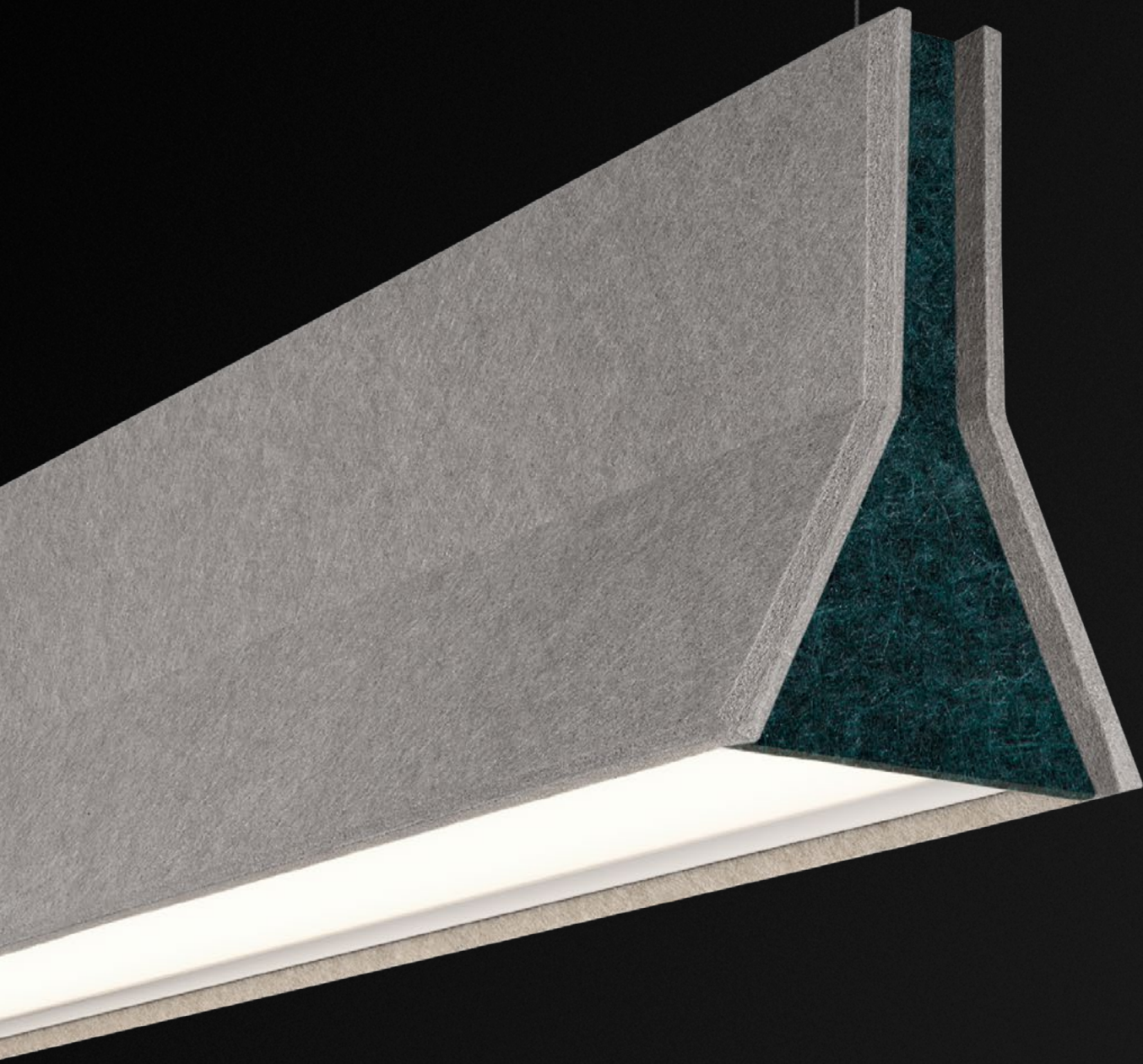
X-Spoke



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



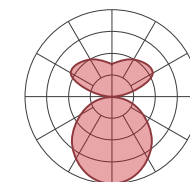
Plum/Lavender

UP TO
1850 lm/ft

UP TO
119 lm/W

UP TO
95+ CRI

DISTRIBUTIONS
Direct or
Direct/Indirect





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

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



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.

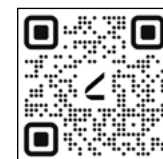
CONFIGURATIONS

Curvilinears
Shapes
Continuous Runs

ACOUSTIC FELT MATERIAL

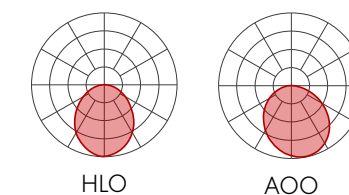
60% Recycled
Plastic Bottles
(PET)

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

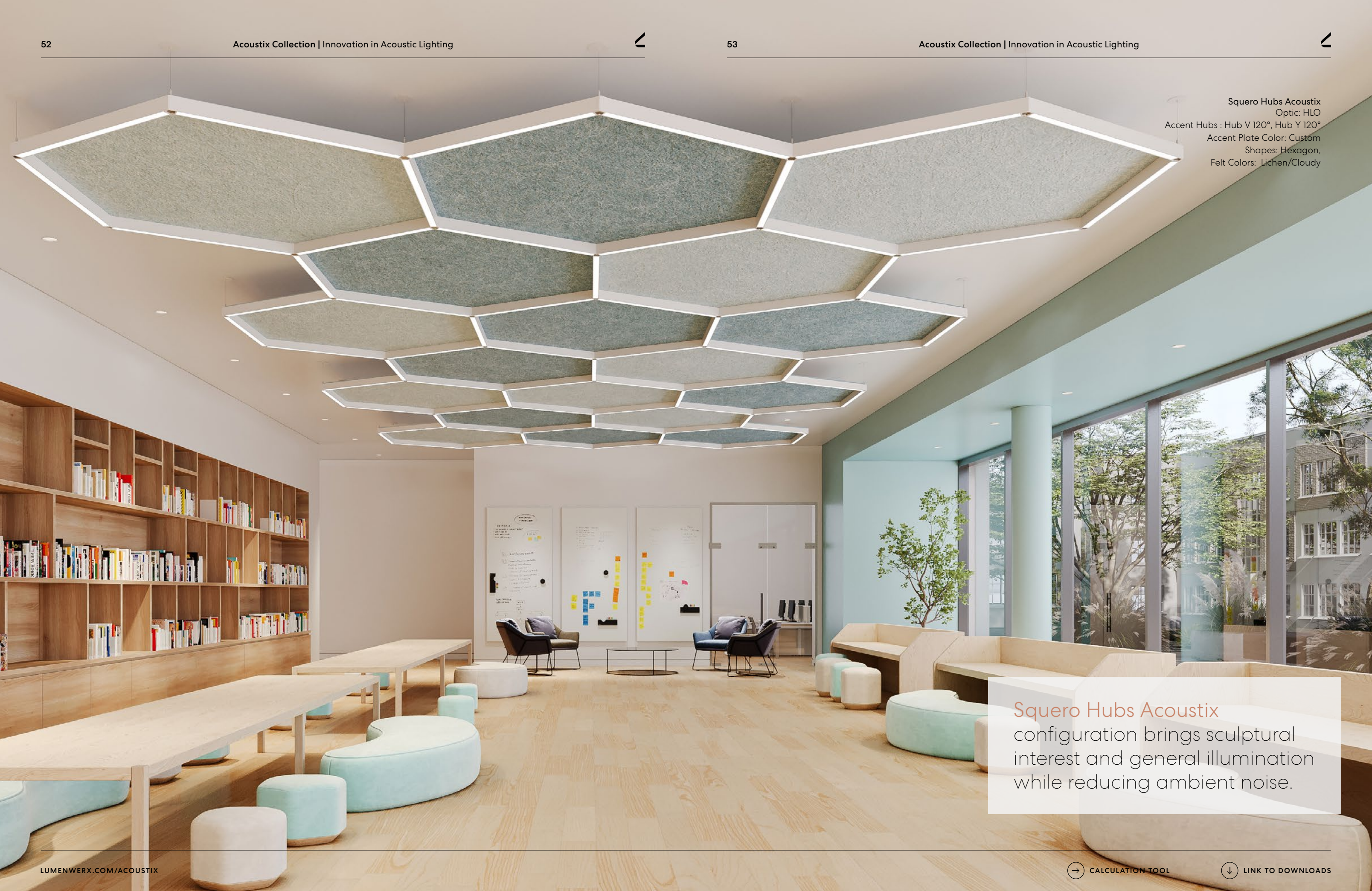
30+
Colors

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

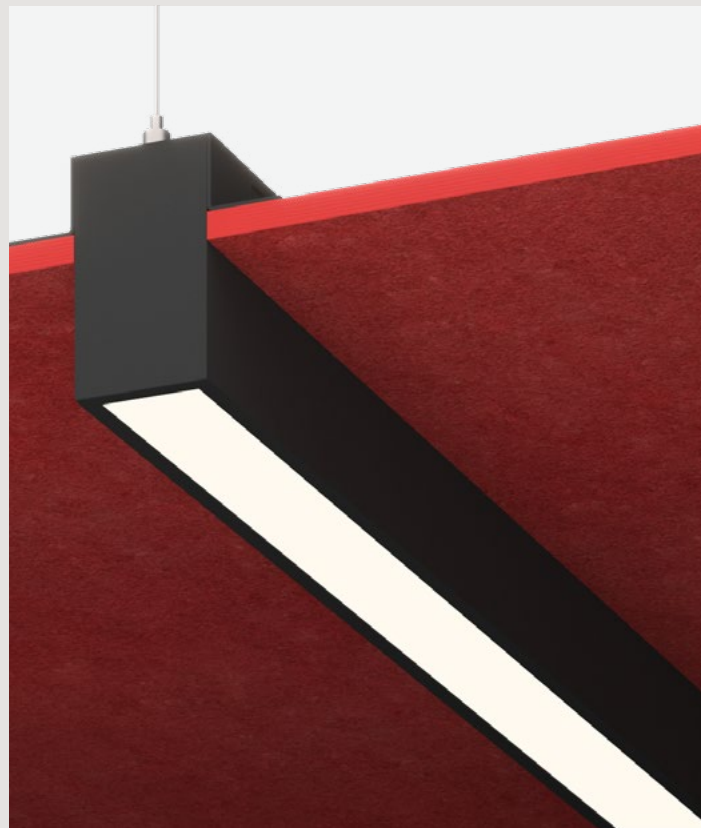
Flexible, scalable, and providing impressive sound absorption, the Squero Hubs Acoustix System features four geometric shapes that function as standalone luminaires or combine into custom configurations using 2-, 3-, or 4-way Hubs Connectors. Acoustic panels can cover the entire setup or specific modules. 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*

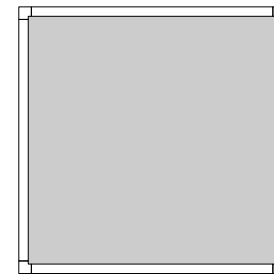
COST EFFECTIVE
Easy
Integration



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



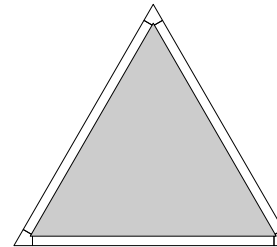
4+ SHAPES



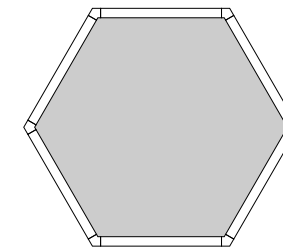
SQUARE



RECTANGLE



TRIANGLE



HEXAGON

12+ HUB CONNECTORS



2-WAY HUBS

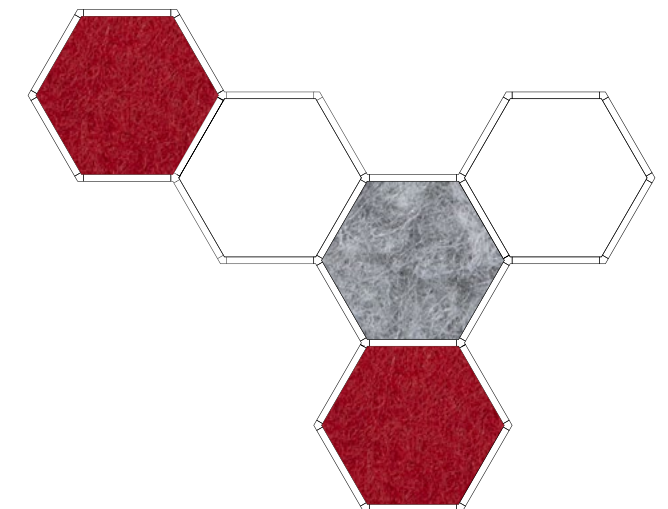
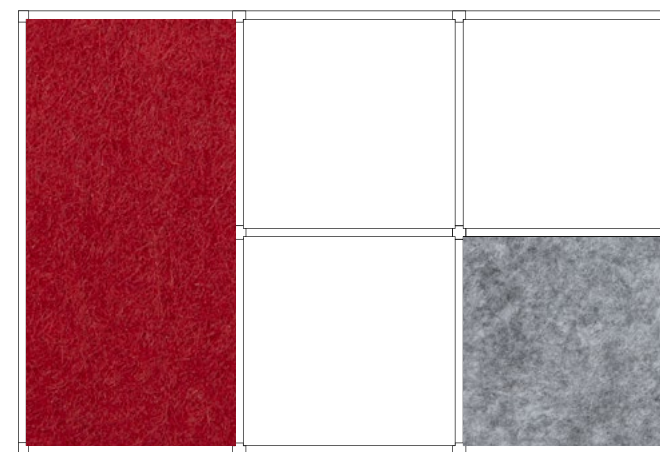


3-WAY HUBS



4-WAY HUBS

INFINITE CONFIGURATIONS





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

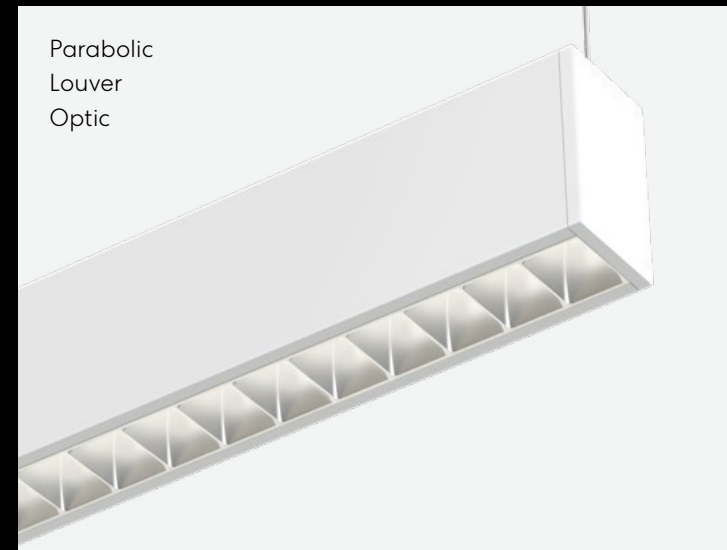
Direct/Indirect
Direct

LENGTHS

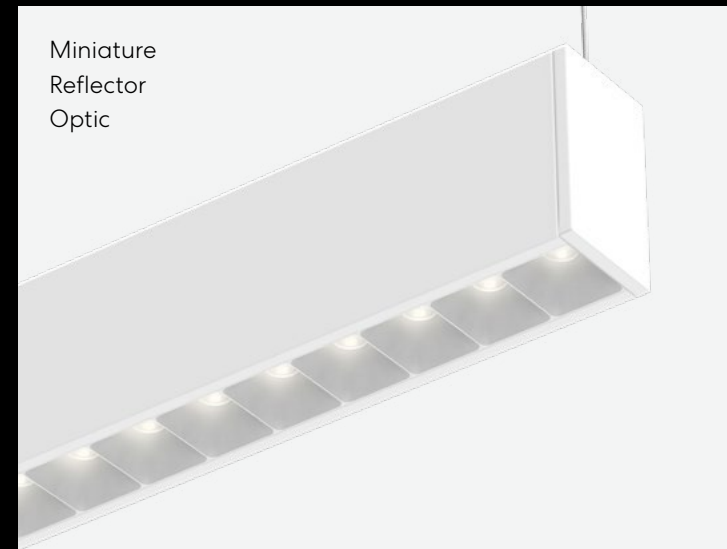
2' to 12'



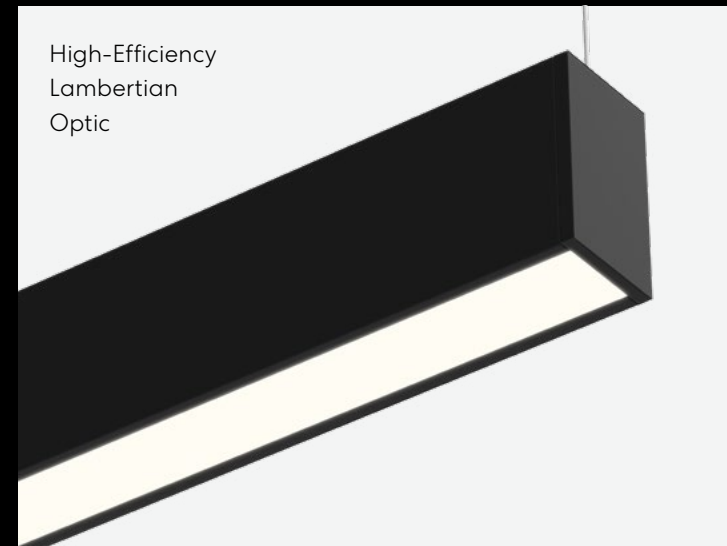
Parabolic
Louver
Optic



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

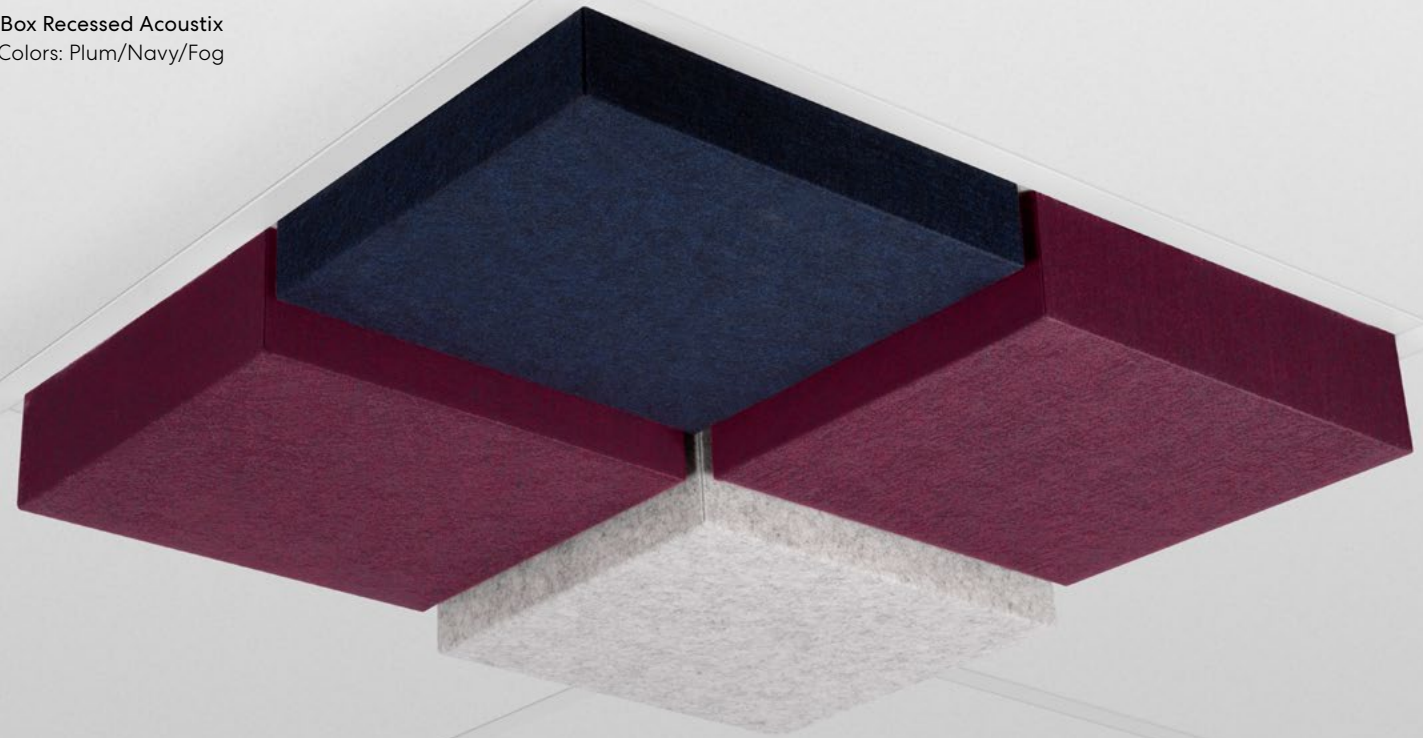
Endless Design Possibilities

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

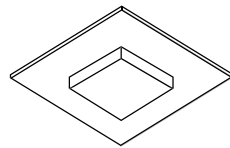
Tegular 9/16"
Tegular 15/16"
T-bar 9/16"
T-bar 15/16"
Screw Slot T-bar

HEIGHT

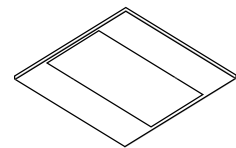
FH, 1 in, 2 in, 3in, 4 in

PATTERN

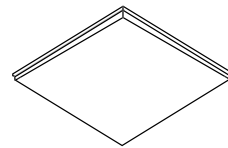
1x1
Only available in 1' and 2' drop



1x2
Only available in Flush



2x2
Available in all height





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

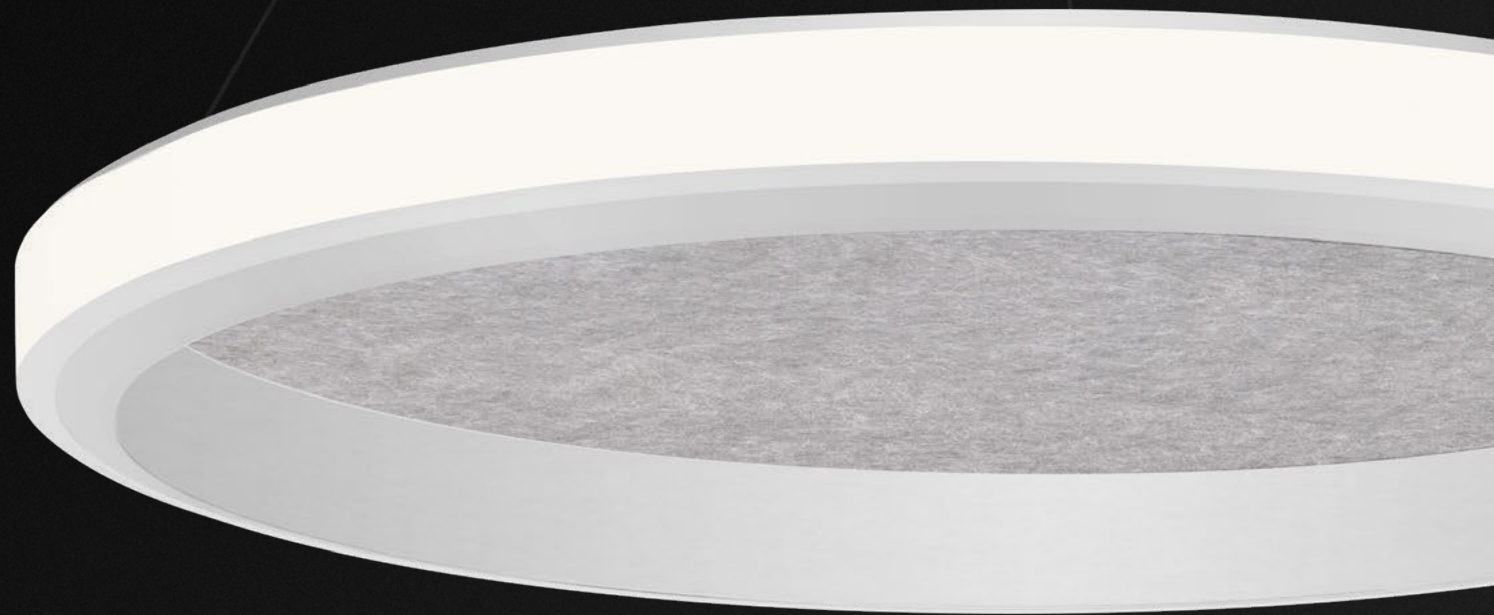
 Bios

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

Direct

COLOR RENDERING OPTIONS

90+ CRI (R9>50)

OPTIC DIRECT

Parabolic
Soft edge downlight
Sharp edge downlight

COLOR TEMPERATURES

2700K

3000K

3500K

4000K

Sola

Duo

Bios

LOUVER TYPE

Conical
Hyperbolic
Square

LOUVER FINISH

Textured Matte White

Textured Matte Black

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

ARQ FLAIR
Direct and Direct/ Indirect

ARQ GLOBE
Direct

ARQ AERA
Direct and Direct/Indirect

COLOR RENDERING OPTIONS

80, 90, 95 CRI

MOUNTING CABLE LENGTHS

24 in, 36 in, 48 in

COLOR TEMPERATURES

- 2200K
- 4000K
- 2400K
- 5000K
- 2700K
- ☀ Sola
- 3000K
- ☀ Duo
- 3500K
- 🌈 Full Spectrum

OPTICS

ARQ FLAIR
Artistic Diffuser

ARQ GLOBE
Isotropic Radiant Optic™ (IRO™)

ARQ AERA
XPoint™ Refraction Technology

SIZES

24 in diameter

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

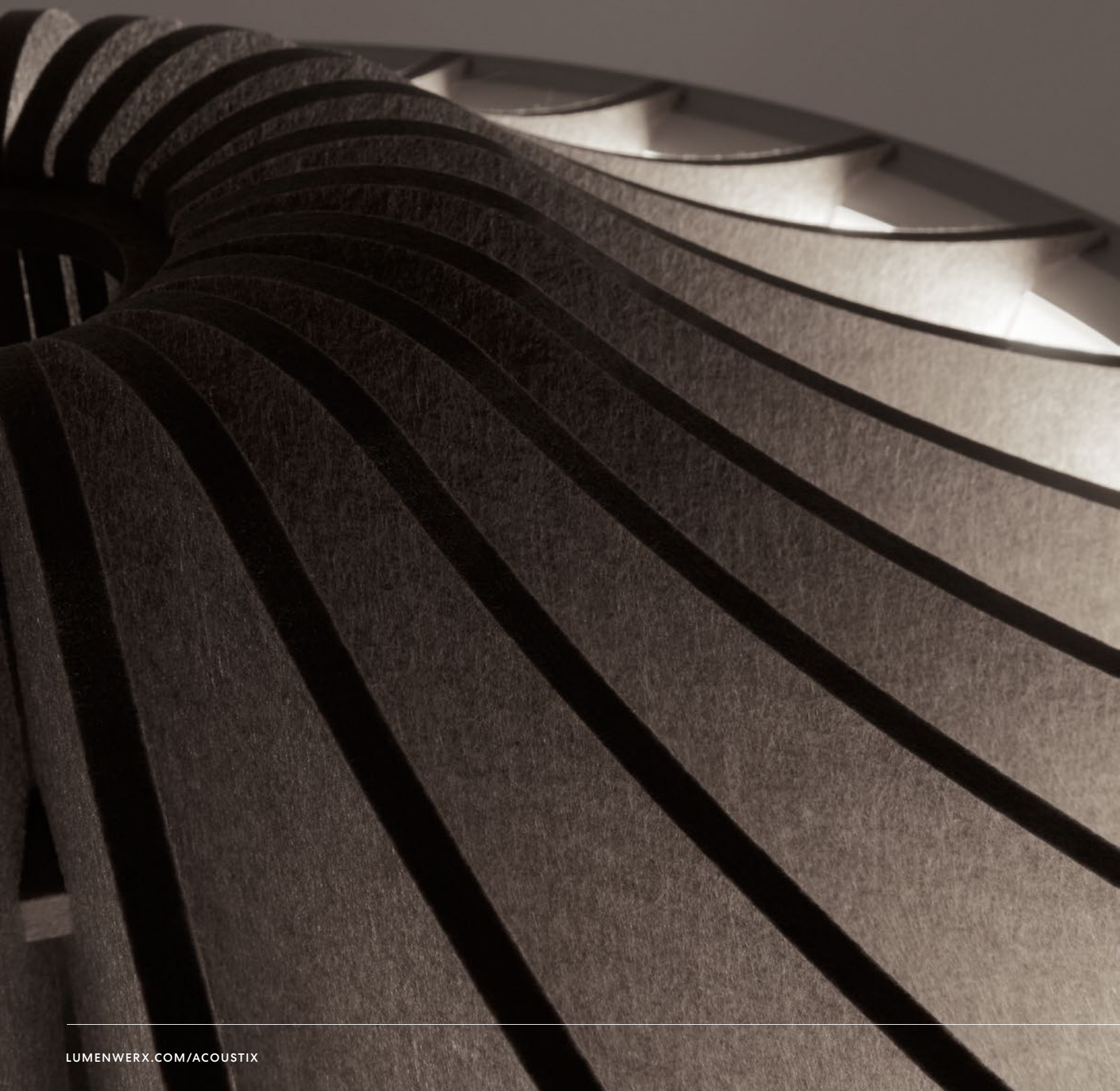


Folia Calla and Folia Bellis
Diameter: 36"
Felt Color: Blush

Functional
and decorative



Folia Calla
Felt Color: Mocha



Overview

Folia

DISTRIBUTION	COLOR RENDERING OPTIONS	SIZES (DIAMETER)
Outward Outward/ Inward	90 CRI	24 in, 36 in, 48 in
COLOR TEMPERATURES	OPTICS	MOUNTING CABLE LENGTHS
<ul style="list-style-type: none"> 2700K 3000K 3500K 4000K 	<ul style="list-style-type: none"> Sola Duo Quadro 	<ul style="list-style-type: none"> Uniform Lambertian Optic (ULO)
		<ul style="list-style-type: none"> 24 in 36 in 48 in



Calculation Tool Guide

How do acoustics work?



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.

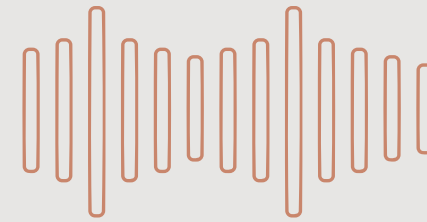
Decibel - a unit used to measure the intensity of a sound or the power level of an electrical signal by comparing it with a given level on a logarithmic scale.

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.

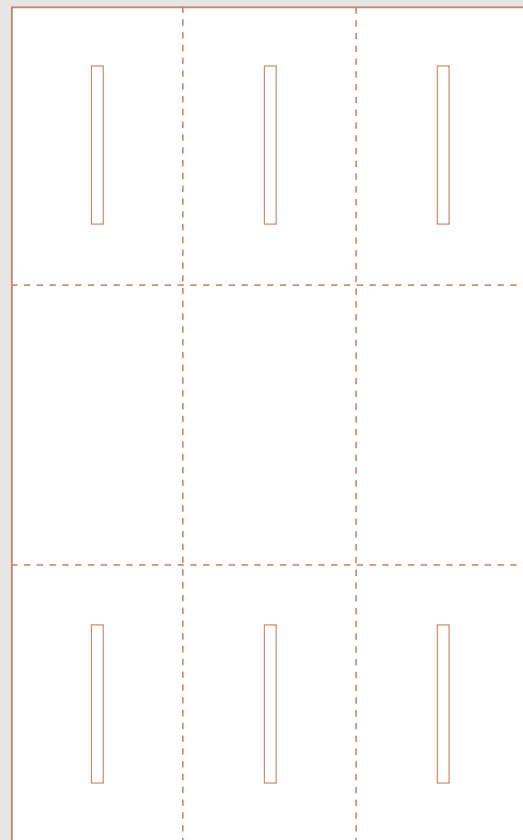


How to improve acoustics in a room?

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.

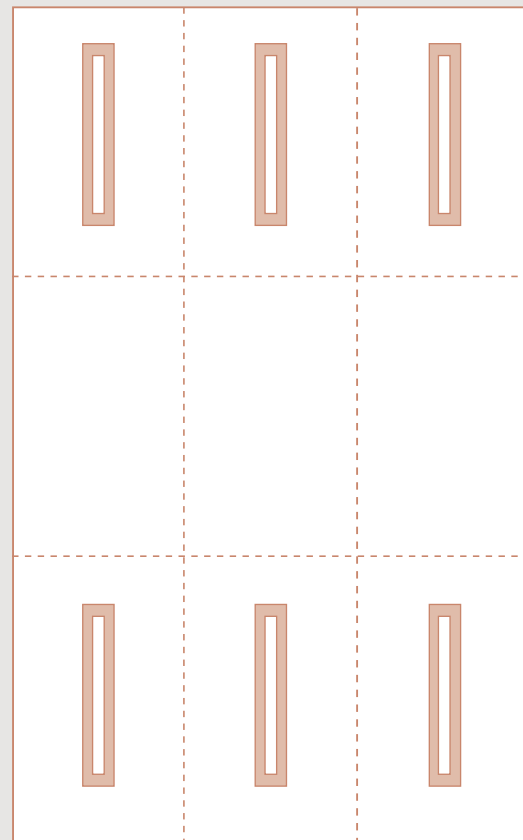
😊 General lighting
 😞 No acoustic

0% 1.3 s Reverberation time



😊 General lighting
 😞 GOOD Acoustic

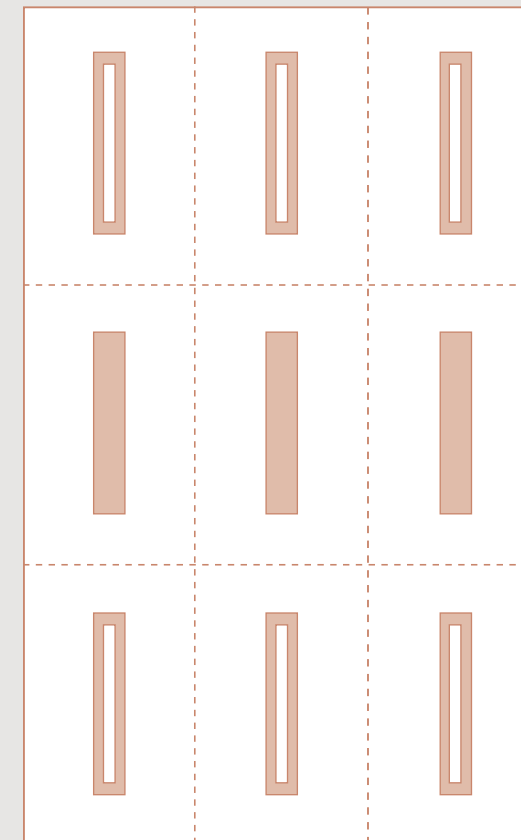
-25% 0.98 s Reverberation time



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

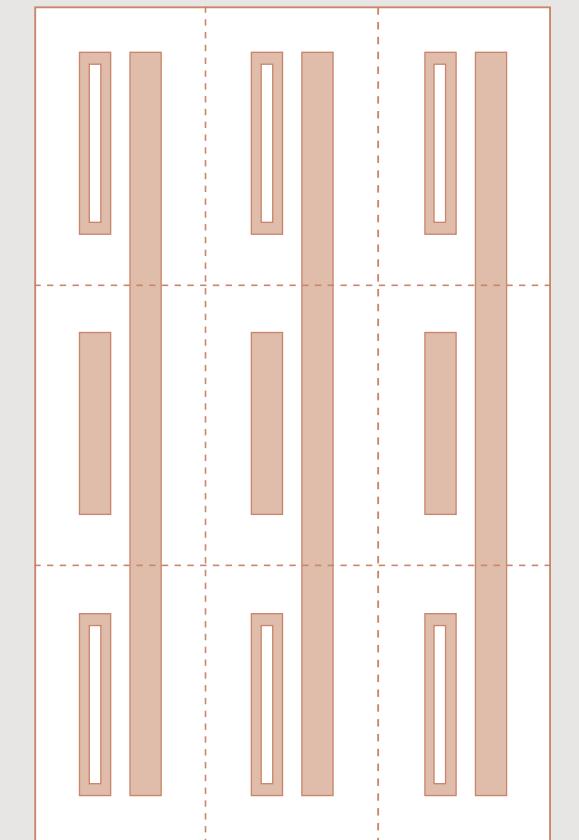
😊 General lighting
 😞 😞 BETTER Acoustic

-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

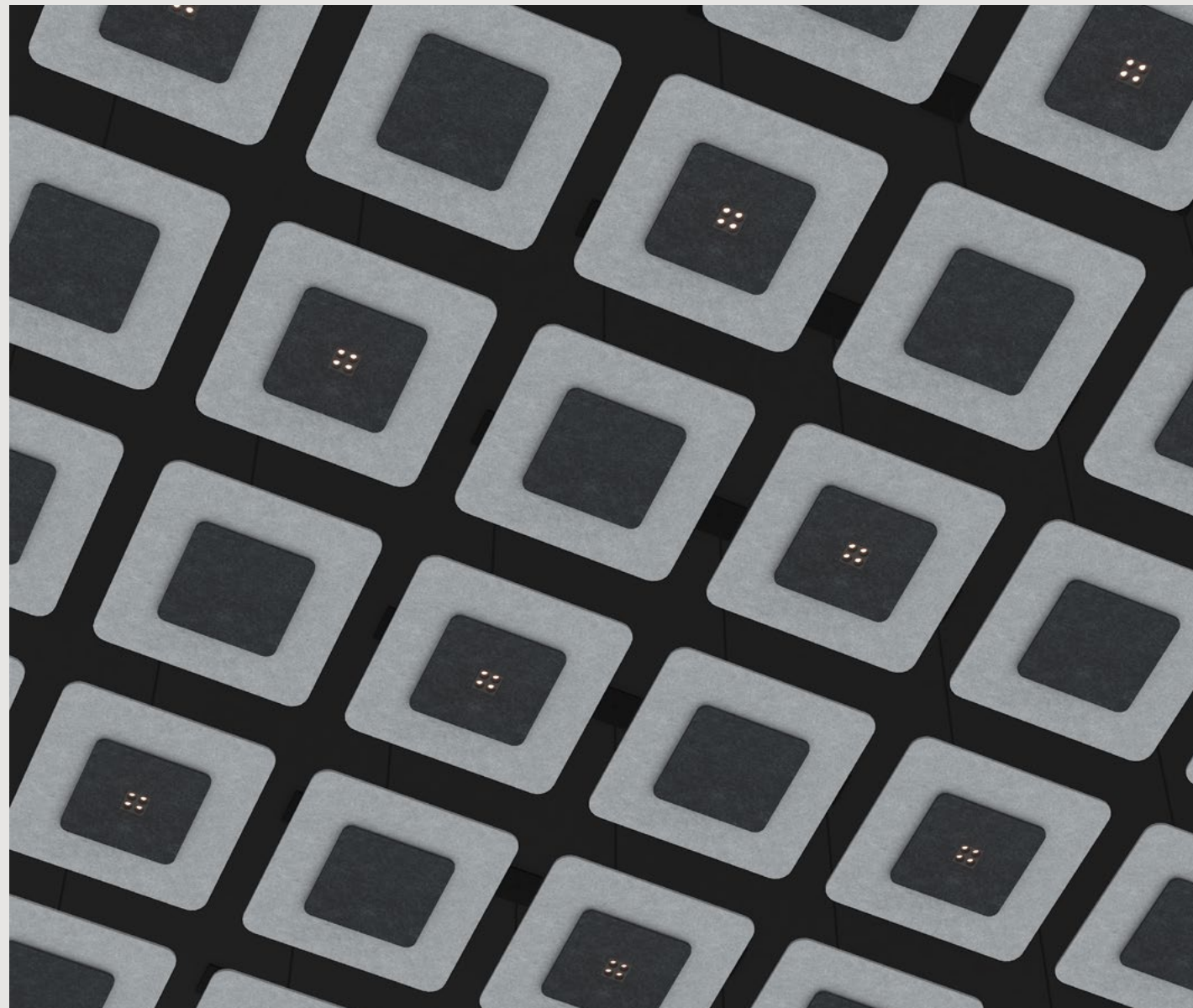
$$\text{Square Feet} \div \text{Value} = \text{Number of luminaires needed in the room}$$

* 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 😊 😊 😊
Arq Acoustix	24" ∅		25	14	11
Arro 4 Acoustix	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
	Direct/Indirect	12'	60	28	19
	Cluster Acoustix	Round	22"	30	15
	Square	22"	38	19	13
Curvia Acoustix	Height: 8"	4'	19	9	6
	Height: 12"	4'	29	14	8
	Height: 16"	4'	38	19	12
Folia Calla Acoustix	24" ∅		35	20	15
	36" ∅		81	46	35
	48" ∅		147	84	63
Folia Calla Shallow Acoustix	24" ∅		25	14	11
	36" ∅		58	32	25
	48" ∅		105	59	46
Folia Bellis Acoustix	24" ∅		40	25	20
	36" ∅		92	58	46
	48" ∅		168	105	84
Folia Dahlia Acoustix	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 😊 😊 😊	
Mikro Wafer	Rectangle	20"x24"	39	20	13	
		20"x36"	59	30	19	
		20"x48"	78	40	25	
Pop Recessed Acoustix	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	
	Drop 3"	2x2	20	10	6	
	Drop 4"	2x2	23	11	7	
	Rim Verso Acoustix	24" ∅	18	9	6	
		36" ∅	42	20	14	
		48" ∅	75	38	25	
	Squero Acoustix	Height: 8"	4'	19	9	6
		Height: 12"	4'	29	14	8
		Height: 16"	4'	38	19	12
	Squero Acoustix Spoke V60, V90, V120	Height: 8"	24"	19	9	6
		36"	29	14	9	
		48"	38	19	12	
		Height: 12"	24"	29	14	8
		36"	44	21	12	
		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 😊 😊 😊
Squero, Via 1.5 & 2 Acoustix Spoke Y-Shaped	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	
Squero, Via 1.5 & 2 Acoustix Spoke X-Shaped	Height: 8"	24"	38	18	12
	Height: 12"	24"	58	28	16
	Height: 16"	24"	76	38	24
Squero Hubs Acoustix	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 😊 😊 😊	
Squero Hubs Acoustix	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
			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		
	Togo Acoustix	24" ∅	18	9	6	
		36" ∅	42	20	14	
		48" ∅	75	38	25	
Via 1.5 & 2 Acoustix	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	
Via Stil	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 😊 😊 😊
Arq Acoustix	24" ∅		39	22	17
Arro 4 Acoustix	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
	Cluster Acoustix	Round	22"	48	24
	Square	22"	61	30	20
Curvia Acoustix	Height: 8"	4'	29	15	10
	Height: 12"	4'	45	22	14
	Height: 16"	4'	58	29	19
Folia Calla Acoustix	24" ∅		66	45	30
	36" ∅		125	71	53
	48" ∅		228	130	98
Folia Calla Shallow Acoustix	24" ∅		39	22	17
	36" ∅		89	50	39
	48" ∅		163	91	72
Folia Bellis Acoustix	24" ∅		70	50	35
	36" ∅		143	89	71
	48" ∅		260	163	130
Folia Dahlia Acoustix	24" ∅		70	50	35
	36" ∅		143	89	71
	48" ∅		260	163	130



PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
Mikro Wafer	Rectangle	20"x24"	64	30	20
		20"x36"	96	45	30
		20"x48"	128	60	40
Pop Recessed Acoustix	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
Rim Verso Acoustix	Drop 4"	2x2	35	18	12
	24" ∅		28	14	9
	36" ∅		65	32	22
	48" ∅		120	59	41
Squero Acoustix	Height: 8"	4'	29	15	10
	Height: 12"	4'	45	22	14
	Height: 16"	4'	58	29	19
Squero Acoustix Spoke V60, V90, V120	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 😊 😊 😊
Squero, Via 1.5 & 2 Acoustix Spoke Y-Shaped	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	
Squero, Via 1.5 & 2 Acoustix Spoke X-Shaped	Height: 8"	24"	58	30	20
	Height: 12"	24"	90	44	28
	Height: 16"	24"	116	58	38
Squero Hubs Acoustix	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 😊 😊 😊		
Squero Hubs Acoustix	Triangle	2'	104	51	32		
		3'	46	23	14		
		4'	26	13	8		
	Hexagon	2'	17	8	5		
		Tab Acoustix	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			
		Height: 16"	4'	58	29	19	
	6'	87	44	29			
		8'	116	58	38		
	Togo Acoustix	24" ∅		28	14	9	
		36" ∅		65	32	22	
		48" ∅		120	59	41	
	Via 1.5 & 2 Acoustix	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		
Height: 16"		4'	58	29	19		
		6'	87	44	29		
		8'	116	58	38		
Via Stil	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		
	Height: 20"	2'	29	15	10		
		4'	58	29	19		
		6'	87	44	29		



ACOUSTIX COLLECTION
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