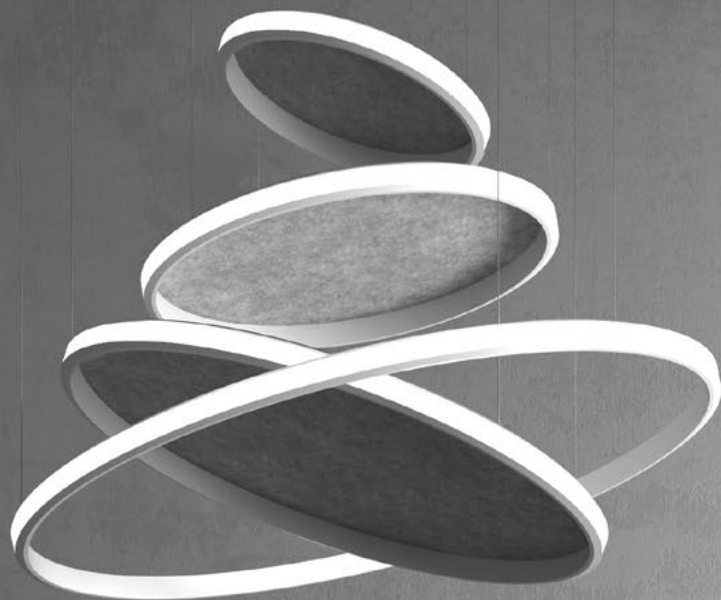


Lumenwerx 



# Acoustix

INNOVATION IN ACOUSTIC LIGHTING





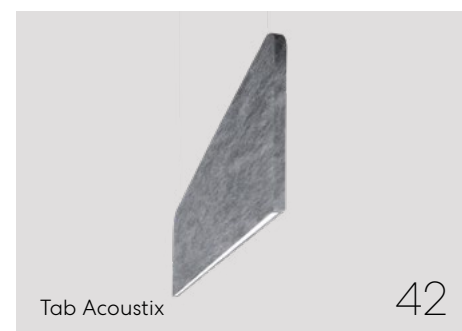
# Acoustix Collection

Uncompromised  
illumination with excellent  
sound absorption

## Linears



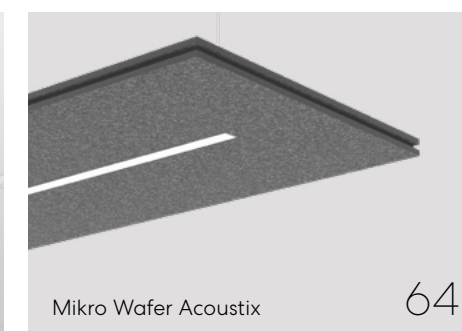
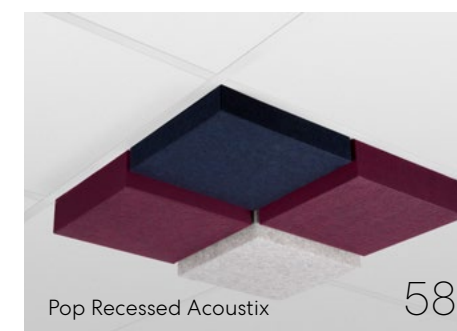
## Curvlinears



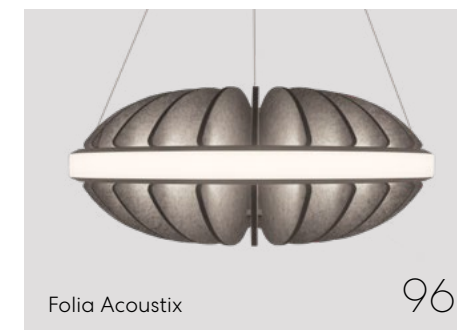
## Vertical Acoustix



## Horizontal Acoustix

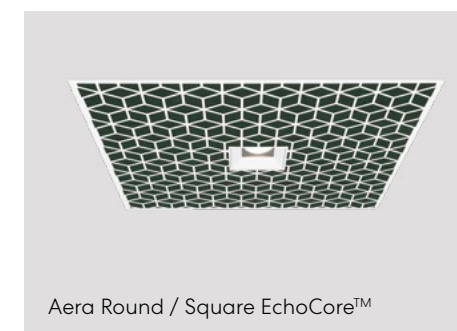


## Architectural Decorative



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 This has been replaced by today's open office concept.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

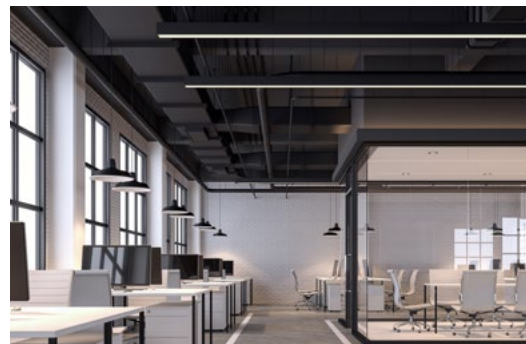
Metals, concretes, glass, brick, stone and tile all contribute to poor acoustic comfort of a space. Hard surfaces are usually clean but they tend to act poorly when it comes to sound absorption.



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.



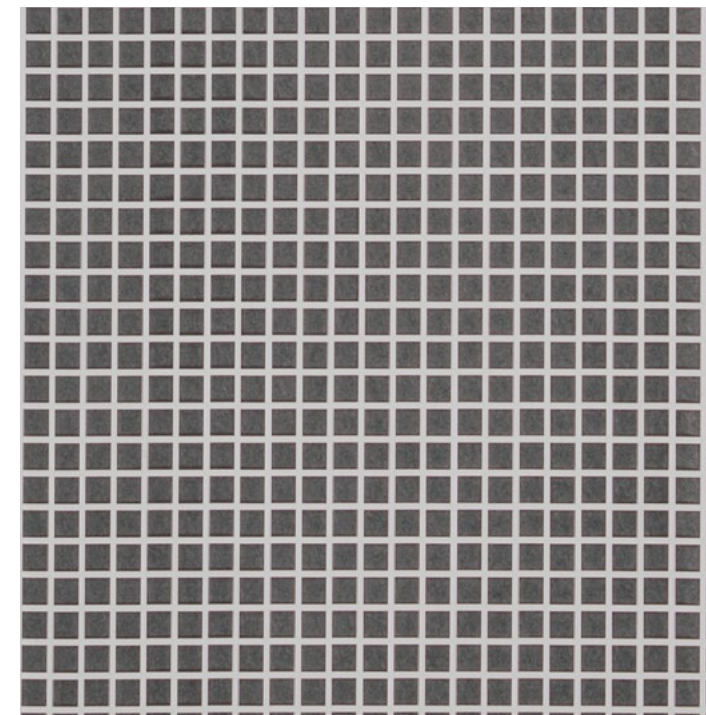
EchoCore™  
Brochure PDF

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

## TWO SOLUTIONS



Acoustic Felt



EchoCore™ Technology



Via Spokes Acoustix  
Felt Colors: Evergreen and 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 ensures a seamless blend of aesthetics and functionality.

60%  
Recycled Material

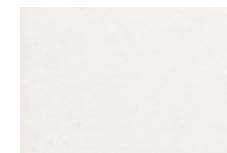
Zero VOC  
Emissions

Flame Retardant

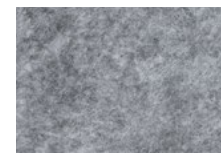
Mold Resistant  
& Breathable



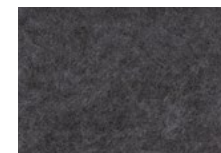
## STANDARD COLORS



Frost White



Fog



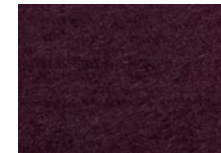
Iron



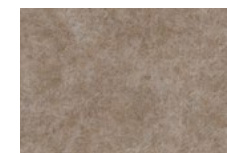
Lavender



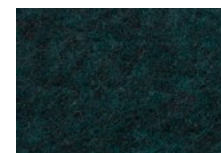
Cherry



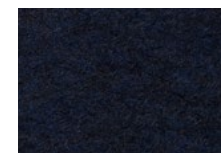
Plum



Latte



Forest Green

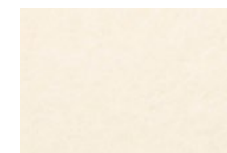


Midnight Blue



True Black

## PREMIUM COLORS



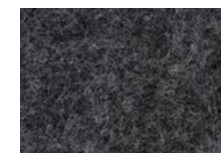
Ivory



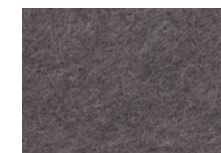
Cloudy



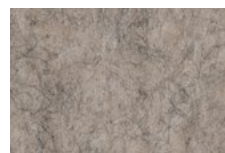
Greige



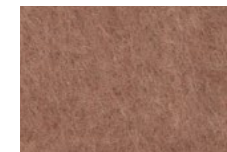
Graphite



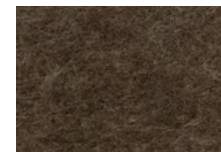
Steel



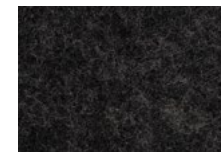
Café



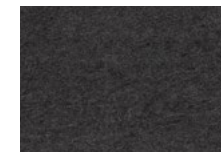
Blush



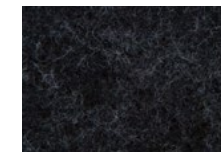
Mocha



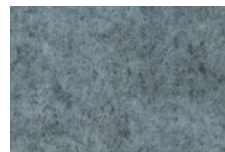
Espresso



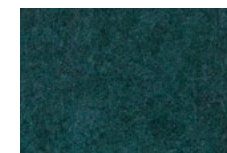
Carbon



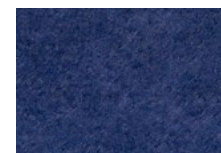
Charcoal



Lichen



Evergreen



Blueberry



Sky



Navy



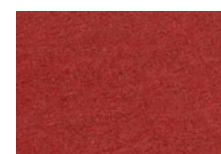
Lime



Lemon

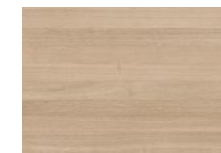


Orange

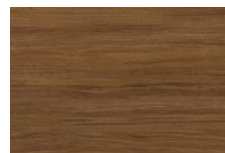


Paprika

## MADERA COLORS



Natural Oak



Teak



Beech

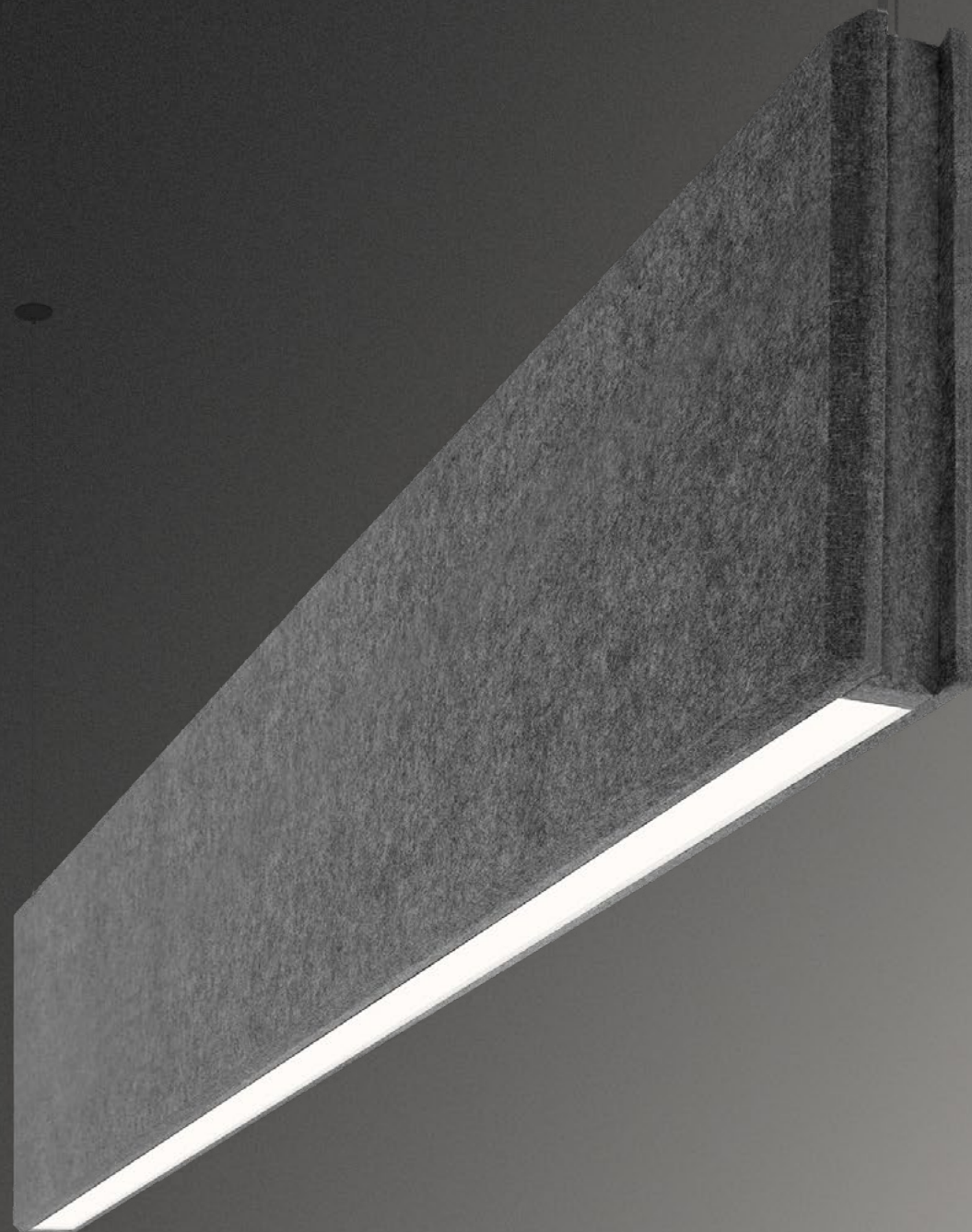


Grey Ash





Via 2 Acoustix  
Felt Color: Iron



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

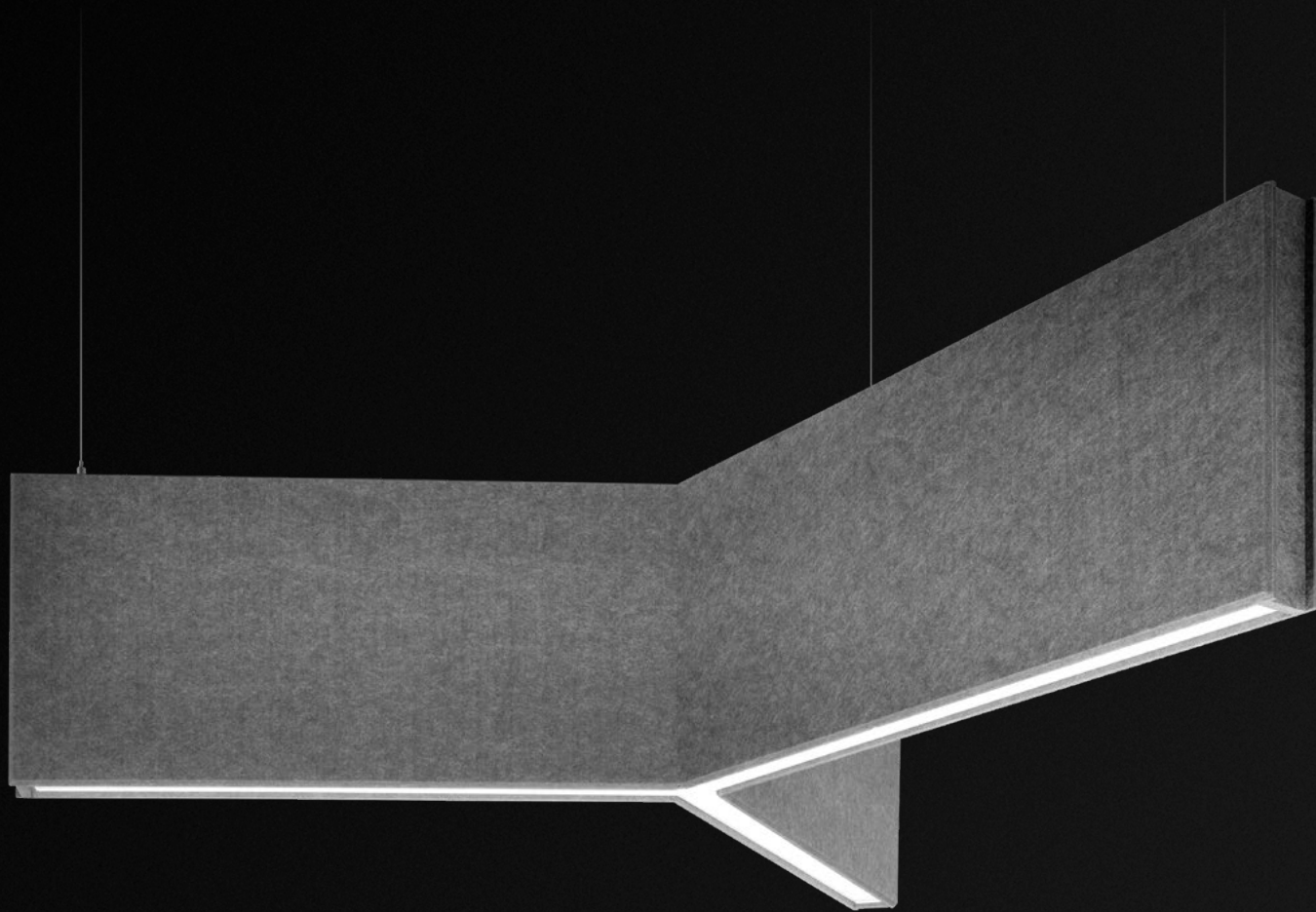
<19 UGR  
(Unified Glare Rating)

UP TO  
74 lm/W





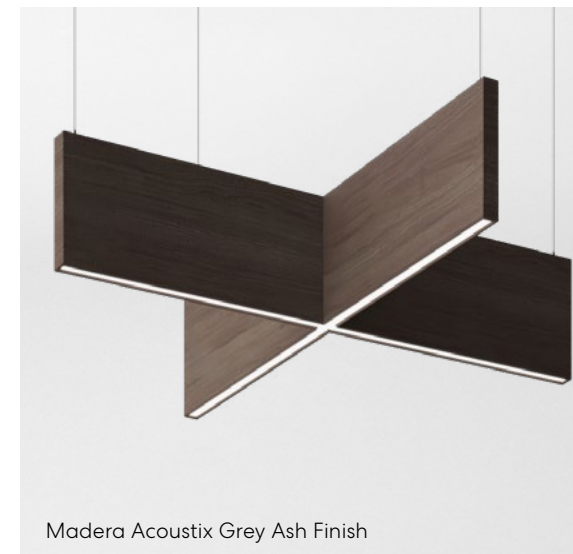
Via 2 Spoke Acoustix  
Y-Shaped  
Felt Color: Iron



## 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





# Overview

## Via 1.5 / Via 2 Acoustix

DISTRIBUTIONS		LUMINAIRE HEIGHT	COLOR RENDERING OPTIONS	
Direct/Indirect Direct Indirect		8 in, 12 in, 16 in	80+CRI, 90+ CRI (R9>50)	
COLOR TEMPERATURES		DIRECT OPTICS	INDIRECT OPTIC	
<div><div><div>2700K</div><div>3000K</div><div>3500K</div><div>4000K</div><div><div>bios</div>Bios</div></div><div><div><div>Sola</div><div>Duo</div><div>Quadro</div><div>Full Spectrum</div></div></div></div>		High-Efficiency Lambertian Optic	Widespread Indirect Optics	
SPOKE SHAPES				
<div><div><div>Y-Spoke</div><div>X-Spoke</div></div></div>				



Via 2 Acoustix  
Felt Color: Charcoal







Via Stil  
Felt Color: Graphite  
Fixture Color: Black



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

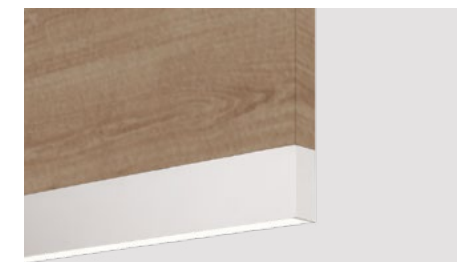
Static White  
Tunable White  
RGBW

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)

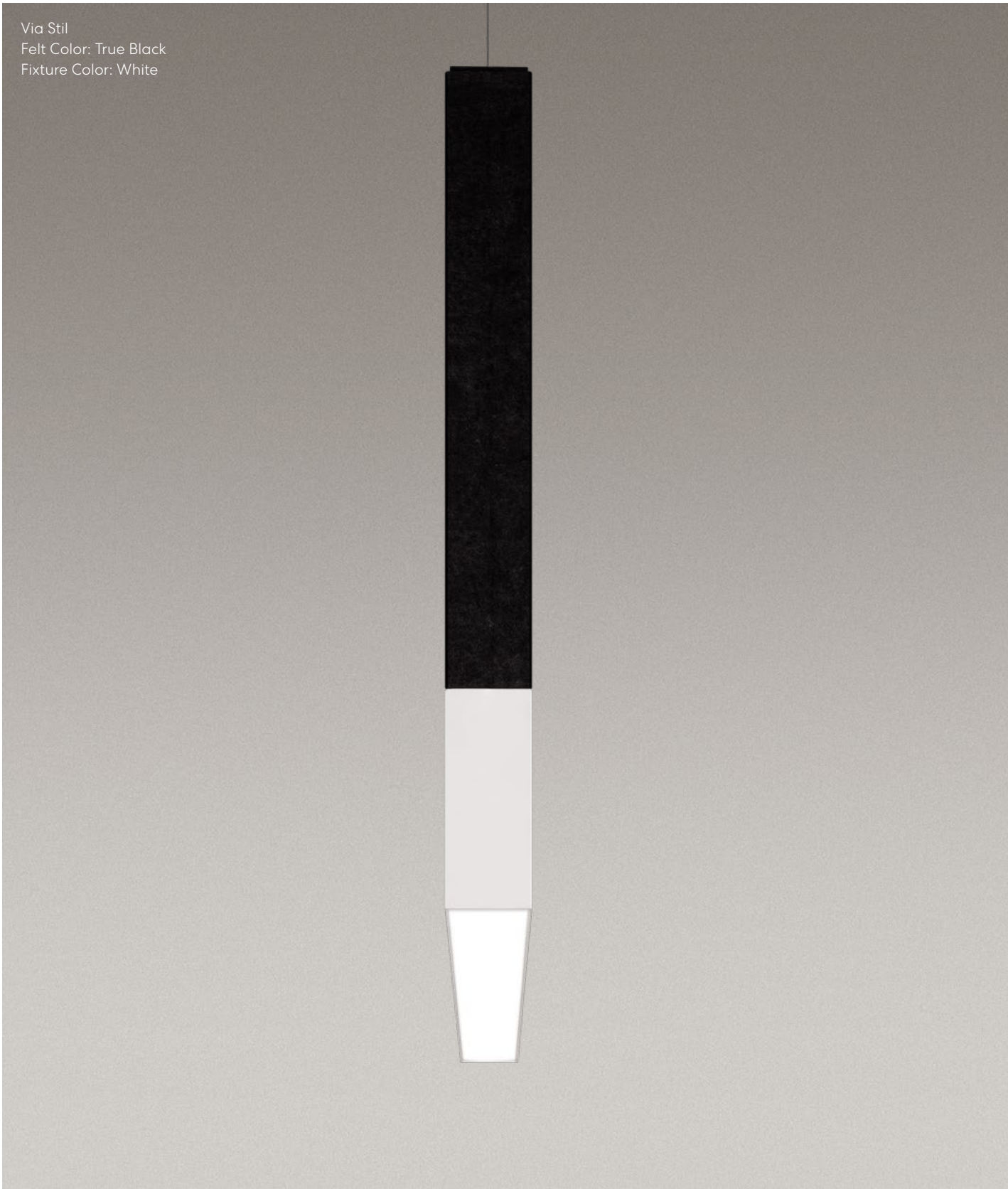




Via Stil  
Felt Color: Forest Green  
Fixture Color: White  
Height: 20 inch








Via Stil  
Felt Color: True Black  
Fixture Color: White



# Overview

## Via Stil

DISTRIBUTION	COLOR RENDERING OPTIONS		LUMINAIRE HEIGHT
Asymmetric Direct Wall Wash	80+ CRI, 90+ CRI (R9>50)		12 in 16 in 20 in
COLOR TEMPERATURES		OPTICS	
 2700K	 Sola	Asymmetric Reflector Optic High efficiency Lambertian Optic Wall Wash Reflector Optic	
 3000K	 Duo		
 3500K	 Quadro		
 4000K	 Bios		





# 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







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





Squero Spoke Acoustix  
X-Shaped  
Felt Color: Iron



# Overview

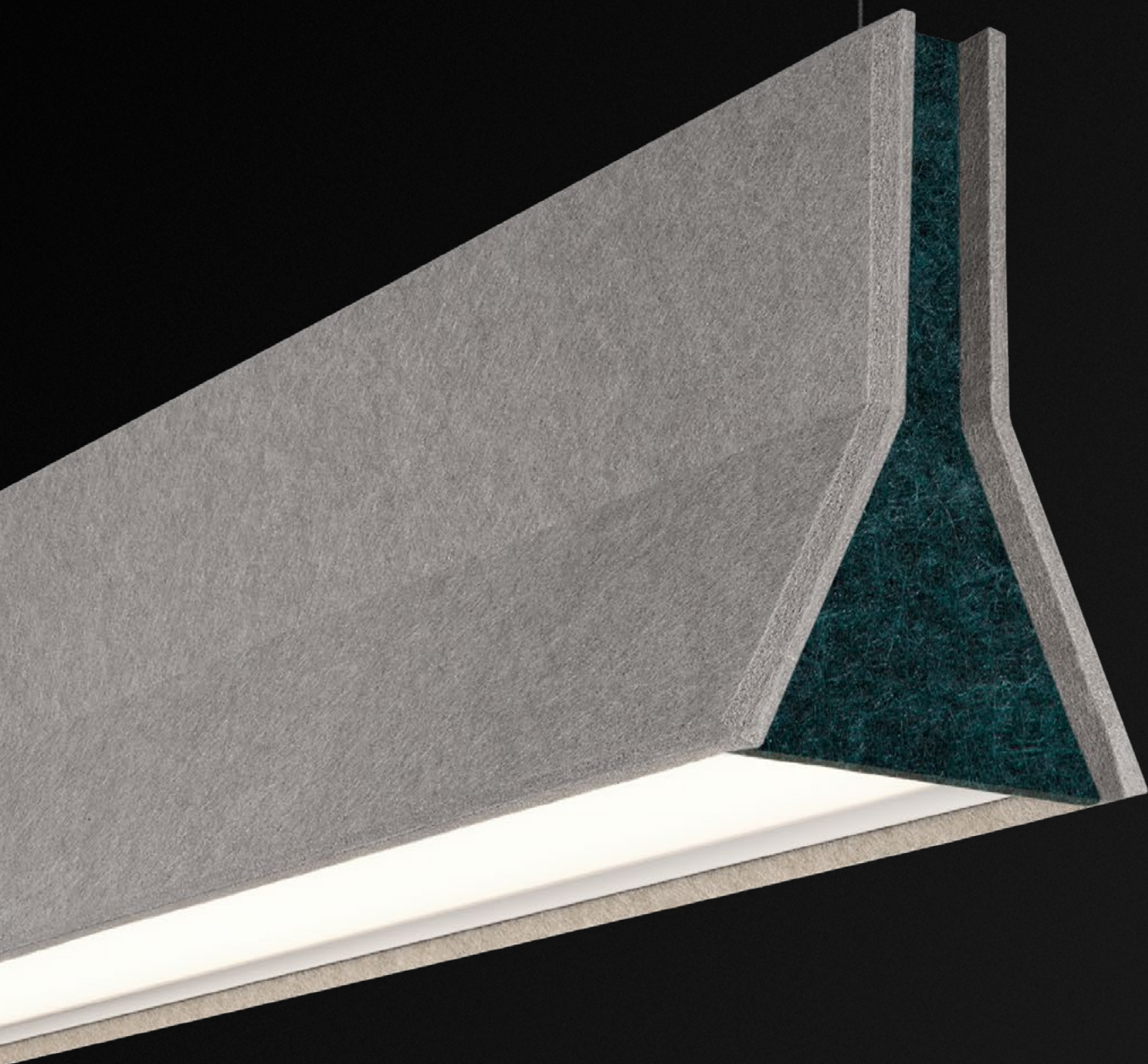
## Squero Acoustix

DISTRIBUTIONS	LUMINAIRE HEIGHT	COLOR RENDERING OPTIONS
Direct/Indirect Direct Indirect	8 in, 12in, 16 in	80+CRI, 90 + CRI (R9>50)
DIRECT OPTICS	INDIRECT OPTIC	
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	Widespread Indirect Optics Clear Lambertian Optic	
COLOR TEMPERATURES	SPOKE SHAPES	
<div><div></div> 2700K</div> <div><div></div> 3000K</div> <div><div></div> 3500K</div> <div><div></div> 4000K</div> <div><div>bios</div> Bios</div>	<div><div></div><div>X-Spoke</div></div> <div><div></div><div>Y-Spoke</div></div>	





Arro Acoustix  
Felt Colors: Fog and 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



UP TO

1850 lm/ft

UP TO

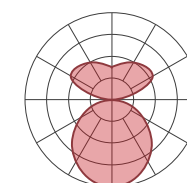
119 lm/W

UP TO

95+ CRI

DISTRIBUTIONS

Direct or  
Direct/Indirect



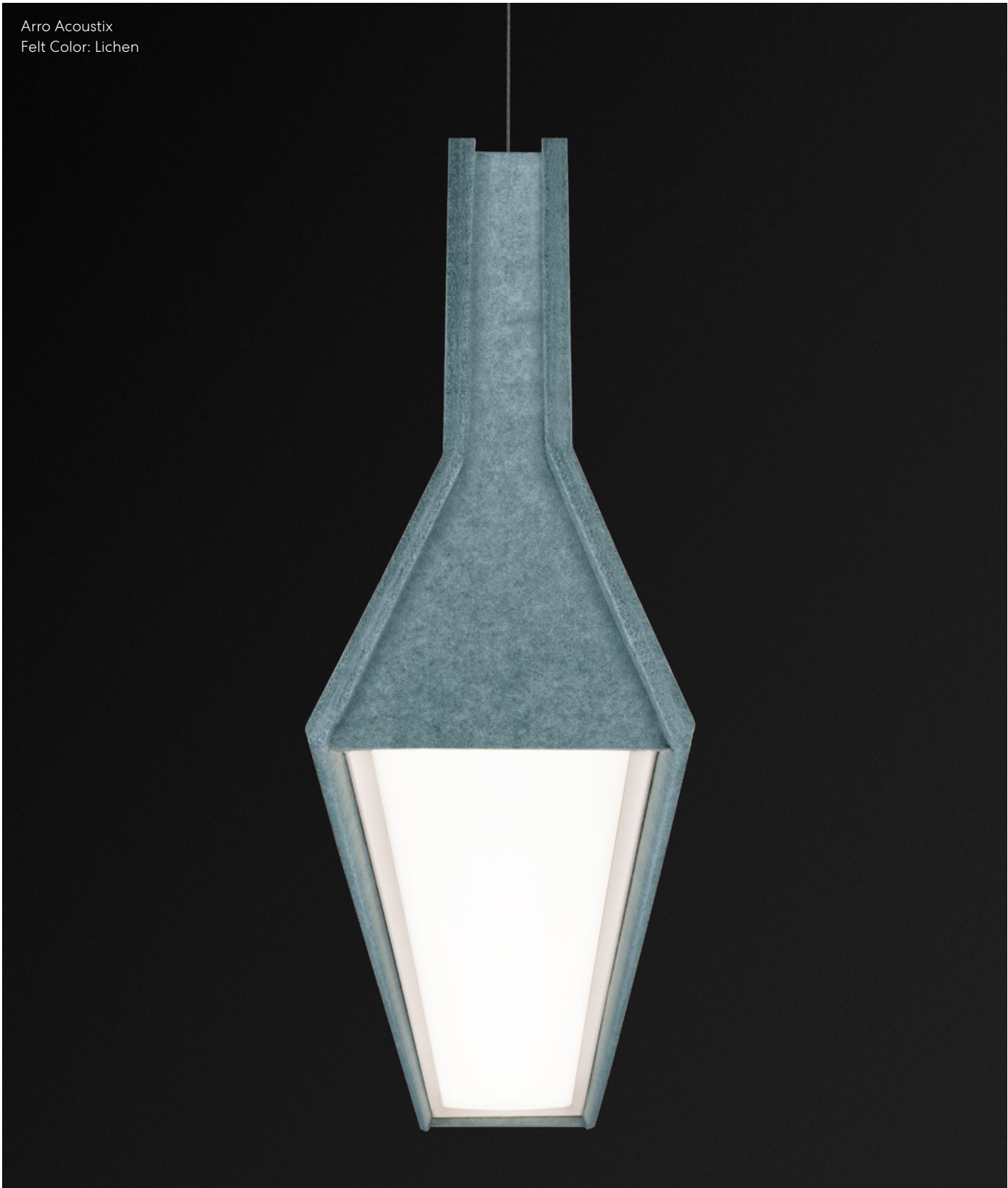




Arro 4 Acoustix  
Felt colors: Cloudy and Lichen  
Optic: HLO

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





# Overview

## Arro Acoustix

DISTRIBUTION	COLOR RENDERING OPTIONS	LENGTHS
Direct Direct/Indirect	80+, 90+, 95+	4 ft, 6 ft, 8 ft, 10 ft, 12 ft
COLOR TEMPERATURES	OPTIC DIRECT	OPTIC INDIRECT
<div><div>2700K</div><div>3000K</div><div>3500K</div><div>4000K</div></div> <div><div>Sola</div><div>Duo</div></div>	High Efficiency Lambertian Optic	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"

DISTRIBUTIONS

Direct  
Direct/Indirect

MOUNTING

Pendant

HEIGHTS

8"  
12"  
16"

CONFIGURATIONS

Standalones  
Continous runs  
Shapes  
Rings

ACOUSTIC FELT

30+  
Colors



Curvia 2" Acoustix Pattern Pendant  
Felt Color: Paprika  
Distribution: Direct  
Height: 8"



Declare.





Curvia 2" Acoustix Capsule Pendant  
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.

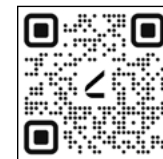
## CONFIGURATIONS

Curvilinears  
Shapes  
Continuous Runs

## ACOUSTIC FELT MATERIAL

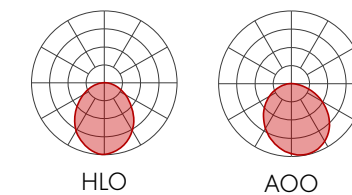
60% Recycled  
Plastic Bottles  
(PET)

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 and 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	COLOR RENDERING OPTIONS	LENGTHS
Direct Direct/Indirect	90+ (R9>50)	2', 3', 4', 5', 6', 7' and 8'
SIZES (HEIGHTS)	OPTIC DIRECT	OPTIC INDIRECT
8 in 12 in 16 in	High Efficiency Lambertian Optic	High Efficiency Lambertian Optic
COLOR TEMPERATURES		
<div><div></div> 2700K</div> <div><div></div> 3000K</div> <div><div></div> 3500K</div> <div><div></div> 4000K</div>		





**Declare.**

LUMENWERX.COM/ACOUSTIX

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



# 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



CALCULATION TOOL

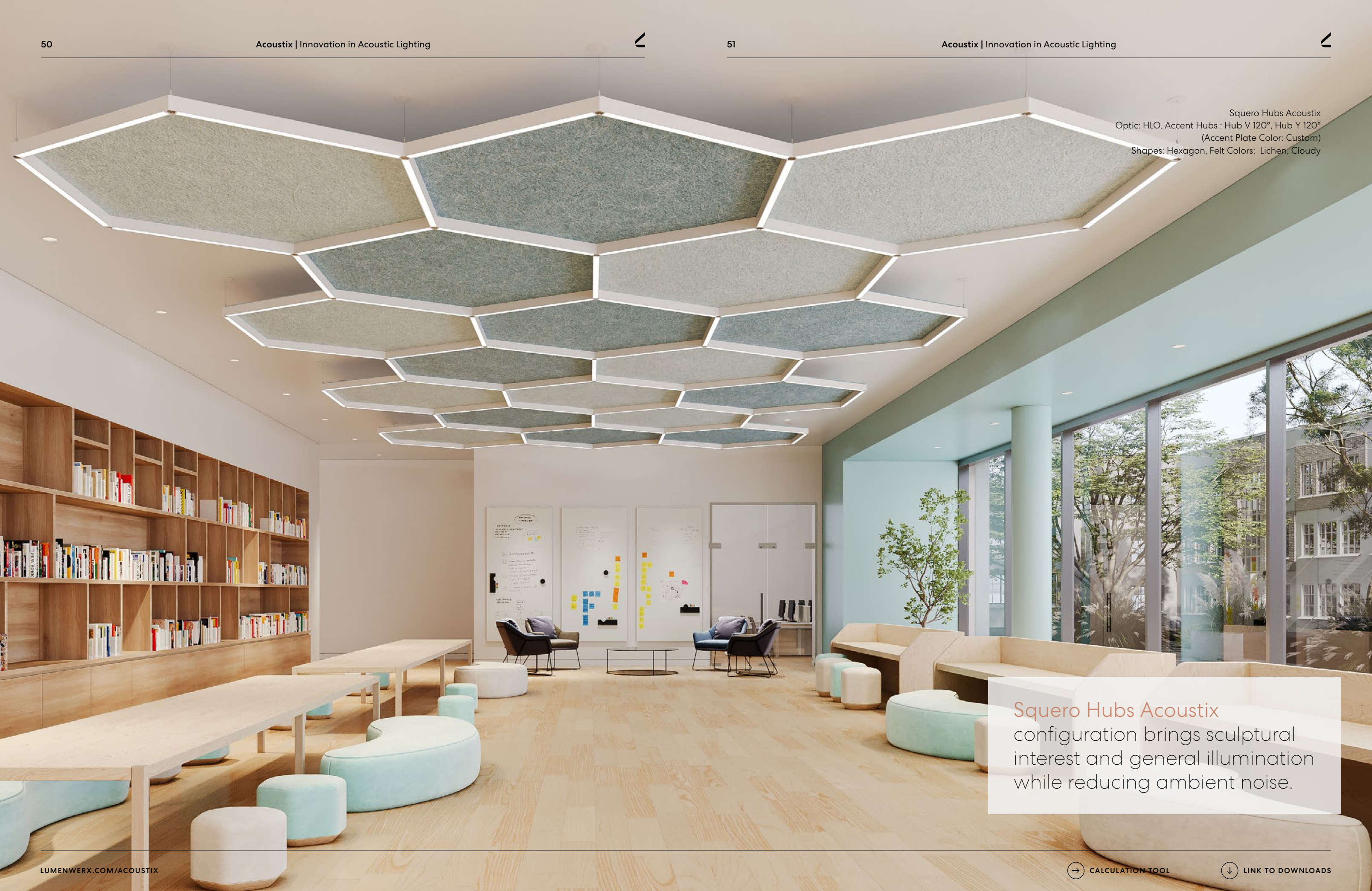


LINK TO DOWNLOADS





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

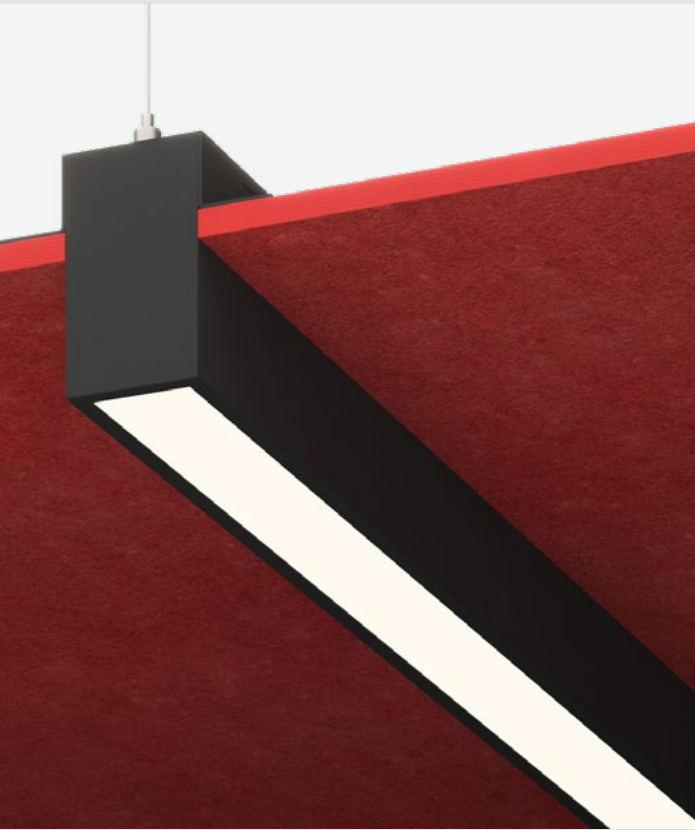
Flexible, scalable, and providing impressive sound absorption, the Squero Hubs Acoustix System features four geometric shapes that function as standalone luminaires or combine into custom configurations using 2-, 3-, or 4-way Hubs Connectors. Acoustic panels can cover the entire setup or specific modules.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

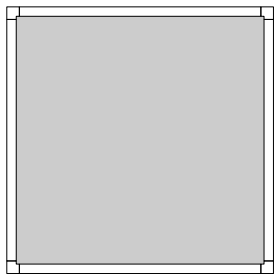
COST EFFECTIVE  
Easy  
Integration



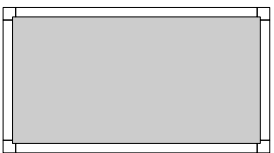
\*Acoustic Felt is composed of at least 50% recycled plastic bottles (PET), and the metal extrusion is made from locally sourced recycled aluminum.



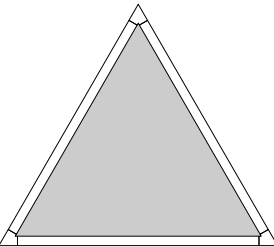
### 4+ SHAPES



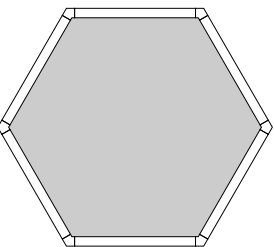
SQUARE



RECTANGLE



TRIANGLE



HEXAGON

### 12+ HUB CONNECTORS



2-WAY HUBS

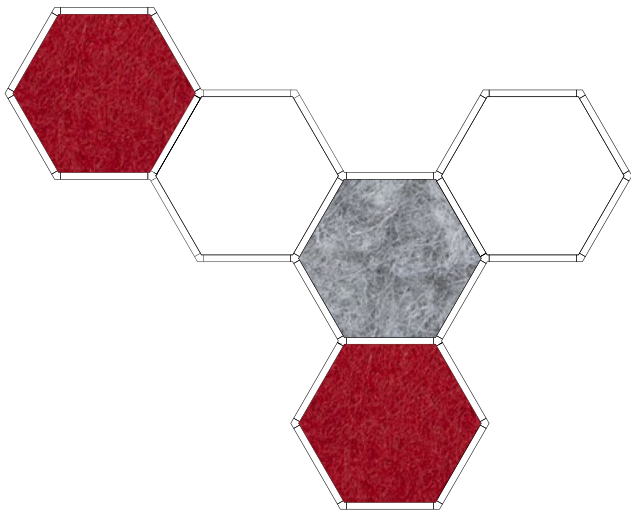
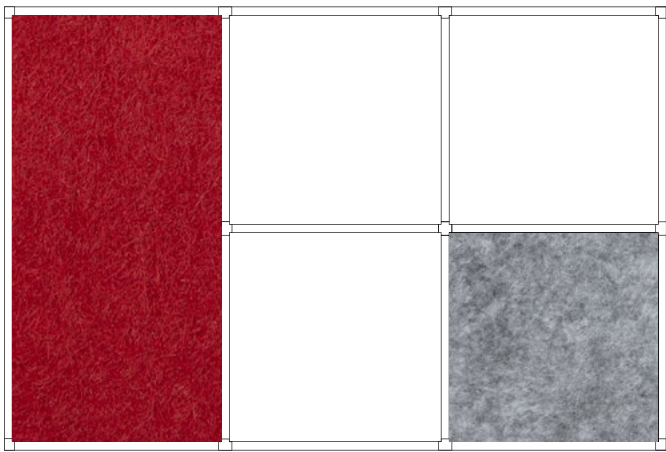


3-WAY HUBS



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.

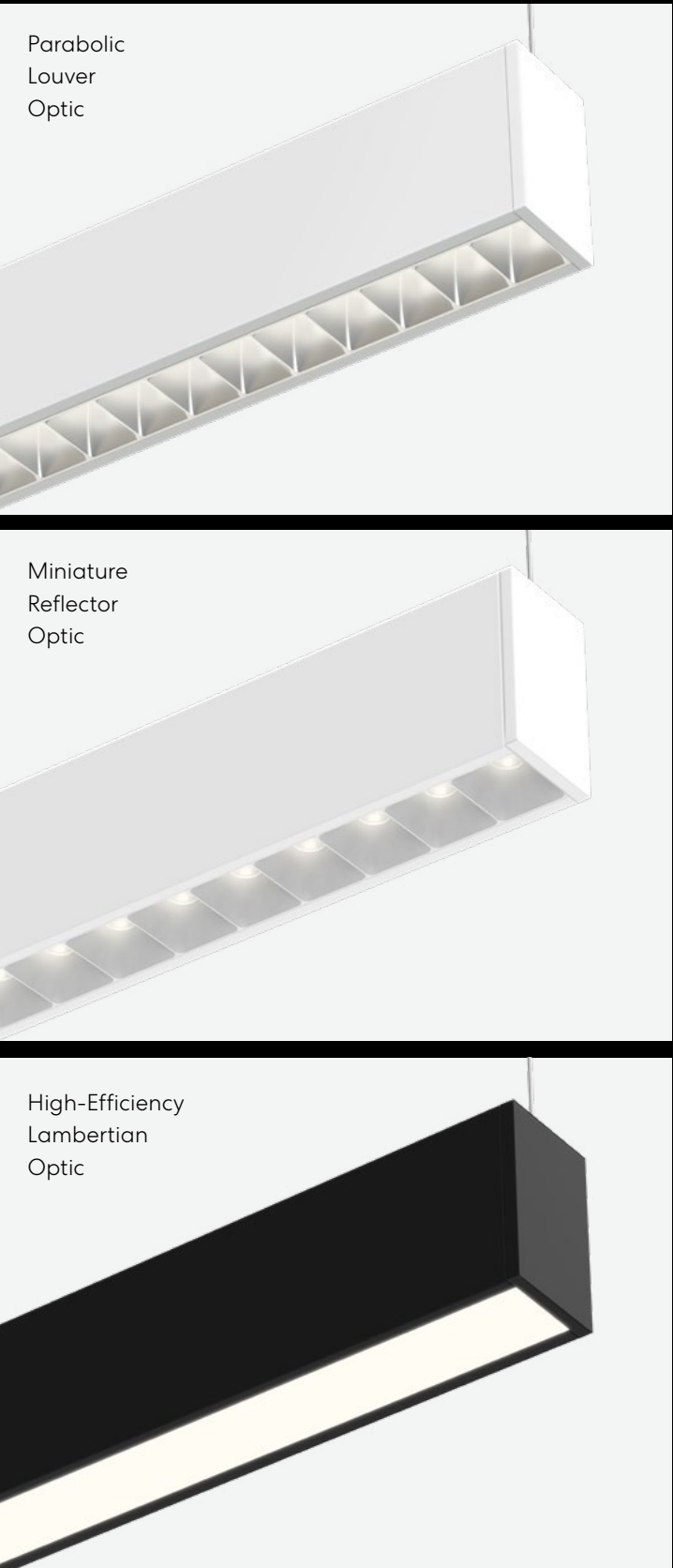


LOW GLARE  
<10 UGR

UP TO  
1000 lm/ft

DISTRIBUTIONS  
Direct/Indirect  
Direct

LENGTHS  
2' to 12'

























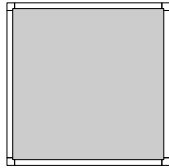

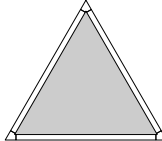
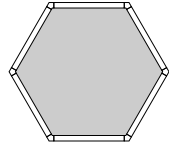


Squero Hubs Acoustix  
Shapes: Triangle, Hubs : Hub V 60°  
Madera Color: Grey Ash



# Overview

## Squero Hubs Acoustix

DISTRIBUTIONS	MOUNTING OPTION		COLOR RENDERING
<div><div></div><div>Direct</div></div> <div><div></div><div>Direct/Indirect</div></div>	<div><div></div><div>Pendant</div></div>	80 CRI 90 CRI	
COLOR TEMPERATURES	DIRECT OPTICS	INDIRECT OPTICS	
<div><div></div>2700K</div> <div><div></div>3000K</div> <div><div></div>3500K</div> <div><div></div>4000K</div> <div><div></div>Bios</div>	Miniature Reflector Optic Parabolic Louver Optic High-Efficiency Lambertian Optic	Widespread Indirect Optic Translucent Indirect Optic	
HUBS CONNECTORS	SHAPES		
2-Way	3-Way	4-Way	
<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div>SQUARE</div></div> <div><div></div><div>RECTANGLE</div></div> <div><div></div><div>TRIANGLE</div></div>
			<div><div></div><div>HEXAGON</div></div>





# 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

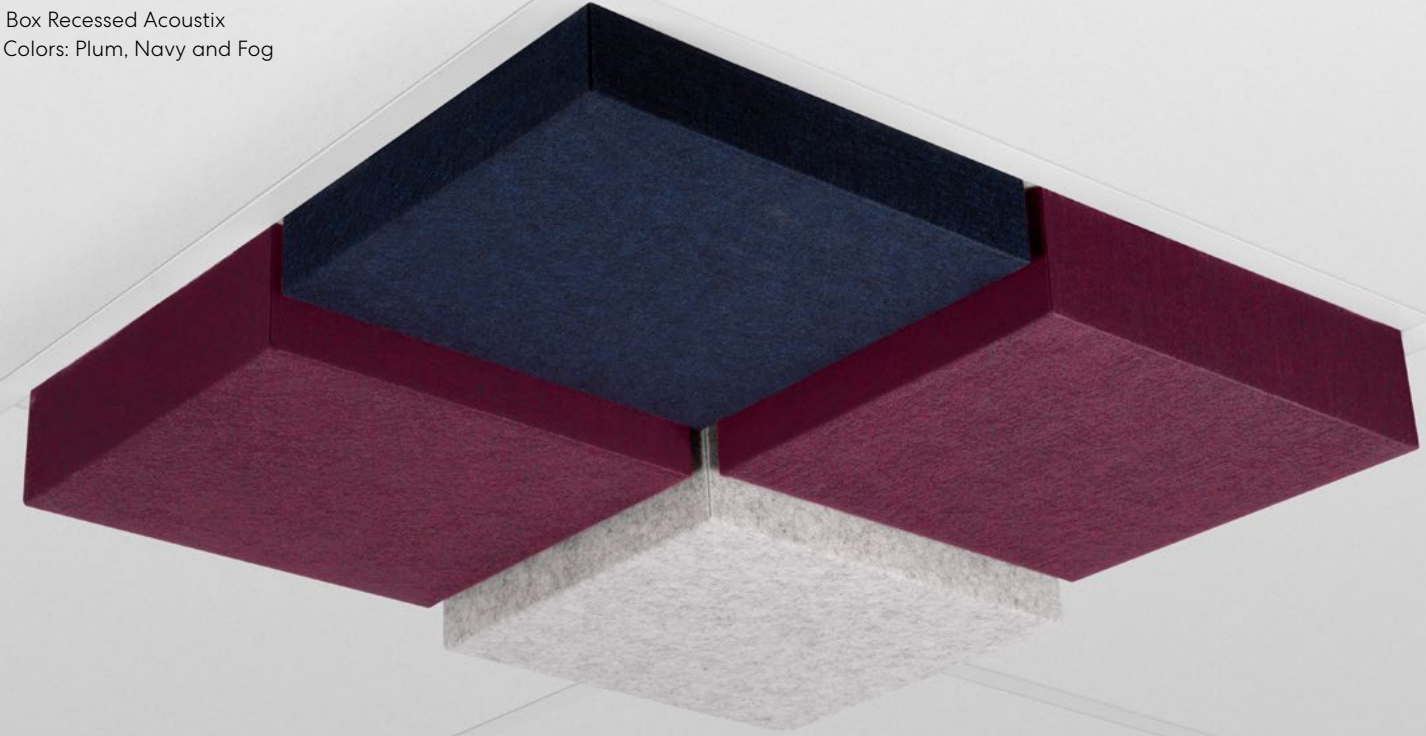
Endless Design  
Possibilities

4  
Heights

3  
Patterns



Pop Box Recessed Acoustix  
Felt Colors: Plum, Navy and Fog



Declare.





Pop Box Recessed Acoustix, Pop Recessed  
Felt colors: Plum and Fog

Arro 4 Acoustix  
Felt colors: Lichen and Cloudy



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



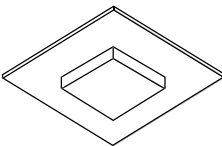


# Overview

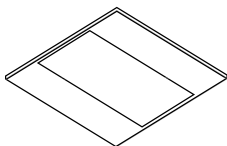
## Pop Recessed

MOUNTING	HEIGHT
Tegular 9/16" Tegular 15/16" T-bar 9/16" T-bar 15/16" Screw Slot T-bar	FH, 1 in, 2 in, 3in, 4 in
PATTERN	

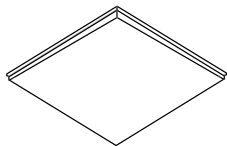
1x1  
Only available in 1' and 2' drop



1x2  
Only available in Flush



2x2  
Available in all height







# Mikro Wafer

Introducing Mikro Wafer, a soundabsorbing wafer with our thinnest aperture yet. Featuring three layers of acoustic panels and our proprietary integral driver, Mikro Wafer 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



Mikro Wafer  
Felt Color: Iron



**Declare.**





Mikro Wafer  
Felt color: Plum





# Overview

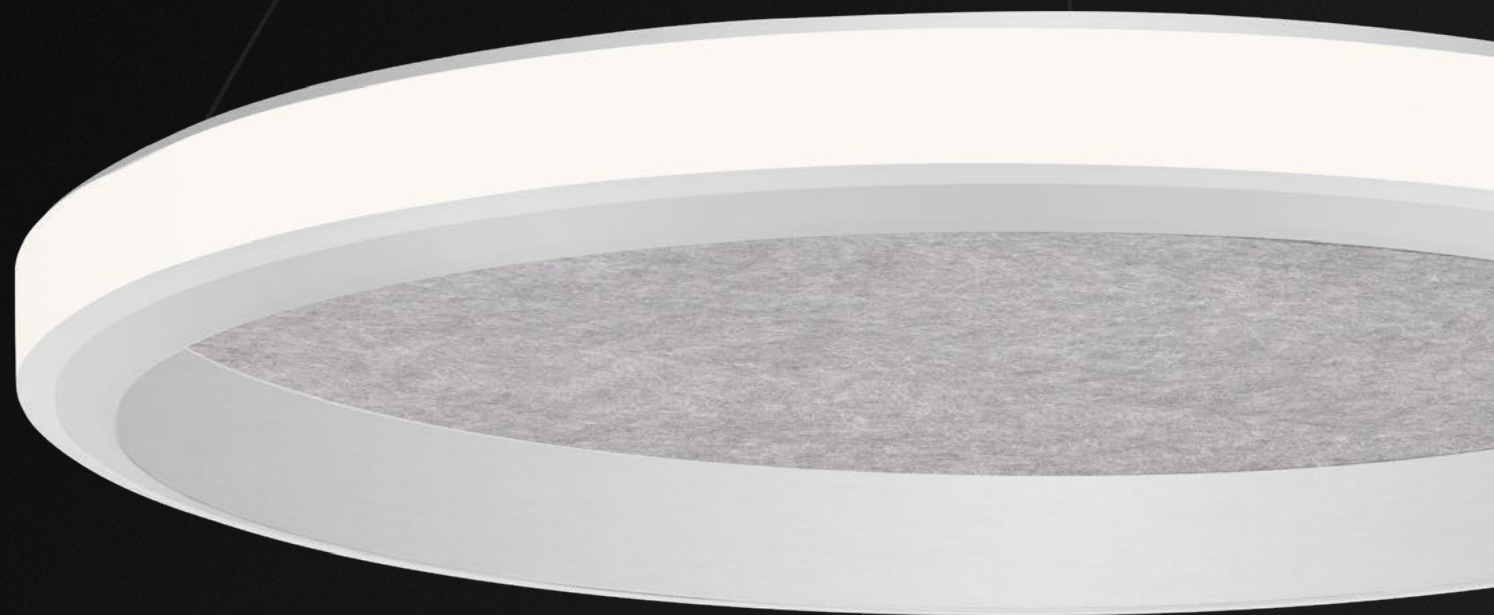
## Mikro Wafer

DISTRIBUTION	OPTIC INDIRECT	COLOR RENDERING OPTIONS
Direct Direct/Indirect	High Efficiency Lambertian Clear Lambertian	80+ CRI, 90+ CRI (R9>50)
COLOR TEMPERATURES	OPTIC INDIRECT	
<div><div></div> 2700K</div> <div><div></div> 3000K</div> <div><div></div> 3500K</div> <div><div></div> 4000K</div>	<div><div>bios</div> Bios</div> <div>High Efficiency Lambertian</div>	





Rim Verso Acoustix  
Felt Color: Fog



**Declare.**



# 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  
Housing Color: Black



**Declare.**





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





# Overview

## Togo Acoustix

DISTRIBUTION		COLOR RENDERING OPTIONS	
Direct Only		90+ CRI (R9>50)	
COLOR TEMPERATURES		OPTICS	DIAMETERS
<div></div> 2700K	<div></div> Sola	Uniform Lambertian Optic	24"
<div></div> 3000K	<div></div> Duo		36"
<div></div> 3500K	<div></div> Quadro		48"
<div></div> 4000K			



Togo Acoustix  
Madera Color: Teak



Togo Acoustix  
Felt Color: Carbon  
Housing Color: White





# 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, Gold  
and Copper Louver Color  
choices

## OPTION



Blank with acoustic only



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



Declare.





Cluster Acoustix  
Felt Colors: Forest Green and Café  
Optic: Matte parabolic louver in black

Enrich a space with  
layers of **different kinds**  
of **lighting** applications.





# 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	
<div><div></div> 2700K</div>	<div><div></div> Sola</div>	Conical Hyperbolic Square	<div><div></div> Textured Matte White</div>	
<div><div></div> 3000K</div>	<div><div></div> Duo</div>		<div><div></div> Textured Matte Black</div>	
<div><div></div> 3500K</div>	Bios		<div><div></div> Black Chrome</div>	
<div><div></div> 4000K</div>			<div><div></div> Gold</div>	
		<div><div></div> Copper</div>		

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



Cluster Acoustix  
Felt Colors: Navy and 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 Combination: Midnight Blue and Cloudy  
Globe Diameter: 8"







# One archetype, three variations



## 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



UP TO  
113 lm/W  
Performance

Increased  
Noise Control

Sustainable  
Acoustic Control





Arq Aera Acoustix  
Felt Combination: Latte and Sand



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





# Overview

## Arq

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

Outside Fog  
Inside Cloudy

Outside Midnight blue  
Inside Cloudy

Outside Latte  
Inside Sand

Outside Cherry  
Inside Sand







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



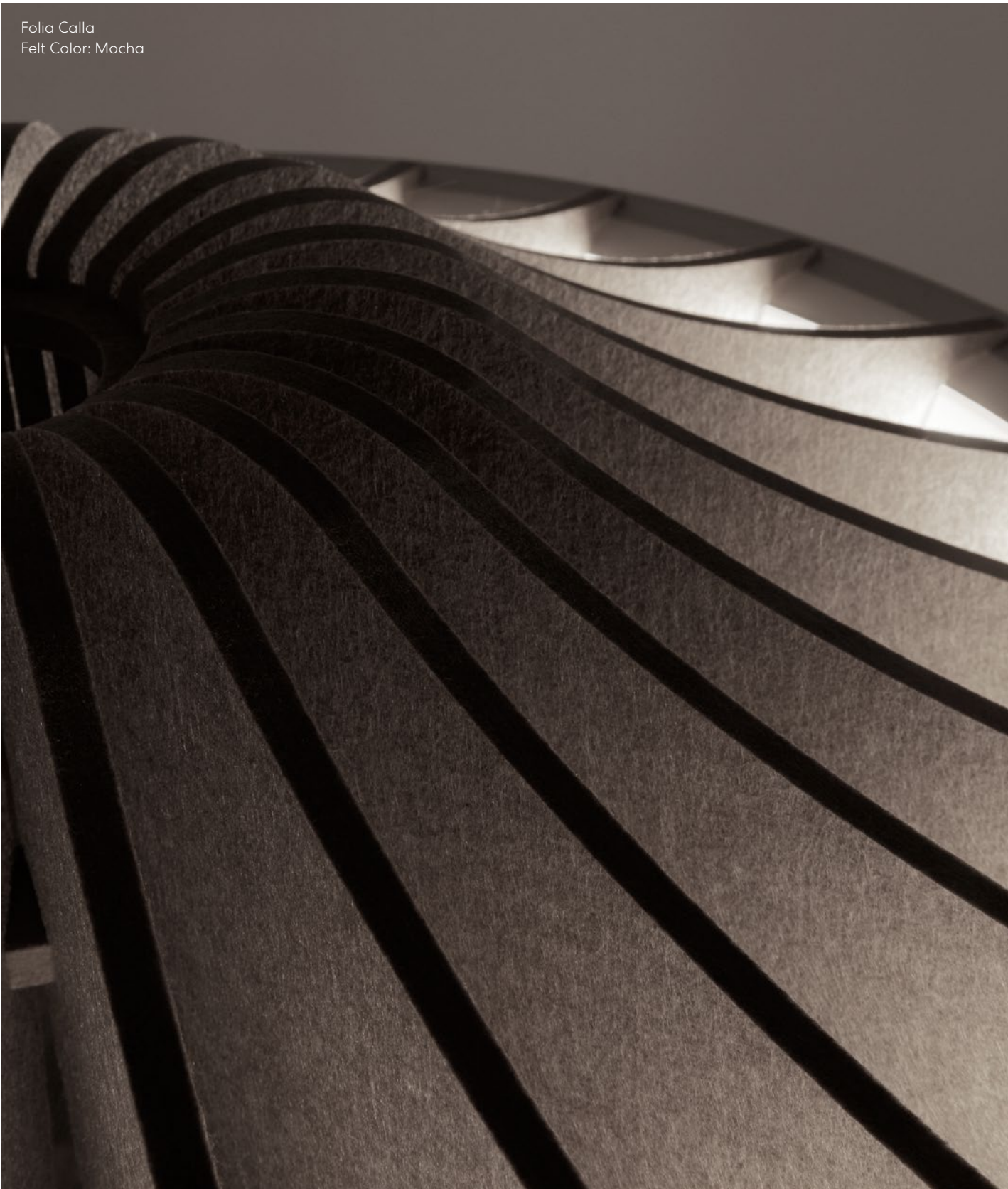
Quality illumination  
and **reduced sound**  
reverberation





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
<div><div></div> 2700K</div>	<div><div></div> Sola</div>	Uniform Lambertian Optic (ULO)	24 in 36 in 48 in
<div><div></div> 3000K</div>	<div><div></div> Duo</div>		
<div><div></div> 3500K</div>	<div><div></div> Quadro</div>		
<div><div></div> 4000K</div>			





# Calculation Tool Guide

How do acoustics works?



Arq Flair Acoustix  
Felt Combination:  
Midnight Blue and 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.

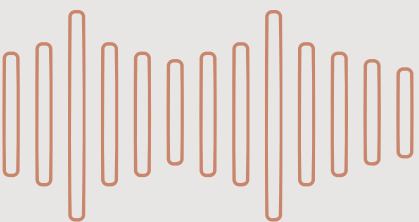
**Decibel** - a unit used to measure the intensity of a sound or the power level of an electrical signal by comparing it with a given level on a logarithmic scale.

**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 refraction. 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.



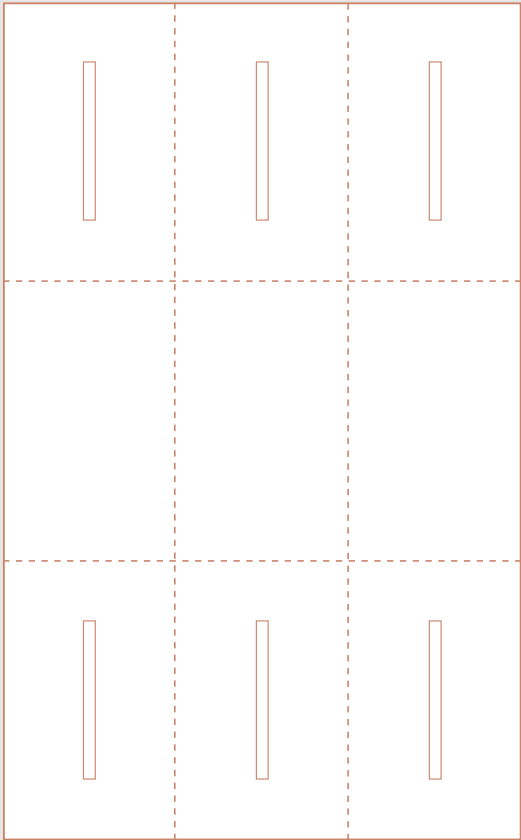


# How to improve acoustics in a room?

Similar to lighting design, we approach acoustic design using the same principles. We want to create layers of sound absorption - one system offers an improvement but two or even three acoustic systems will show a decrease in reverberation time and reduction in unwanted noise. Humans can notice acoustic improvement of 0.2 seconds of reverberation time. We have incorporated this in our Good, Better and Best acoustic values calculations.

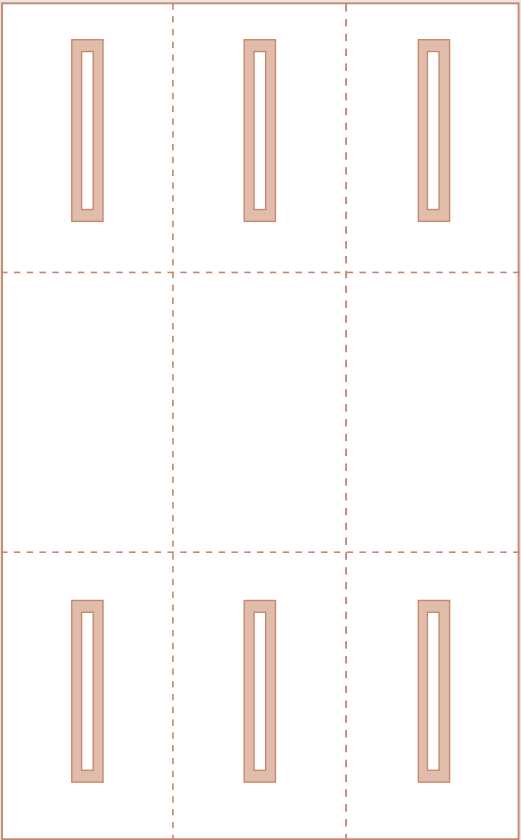
😊 General lighting  
☹️ No acoustic

0%	1.3 s	Reverberation time
----	-------	--------------------



😊 General lighting  
☹️ GOOD Acoustic

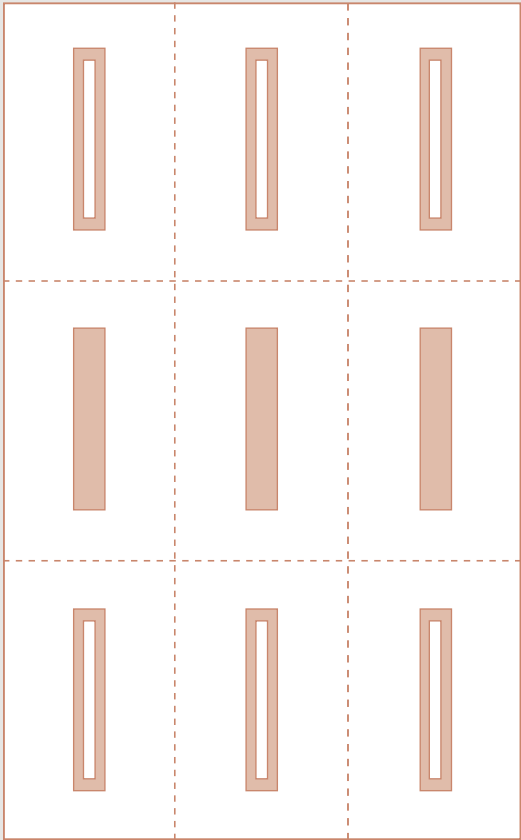
-25%	0.98 s	Reverberation time
------	--------	--------------------



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

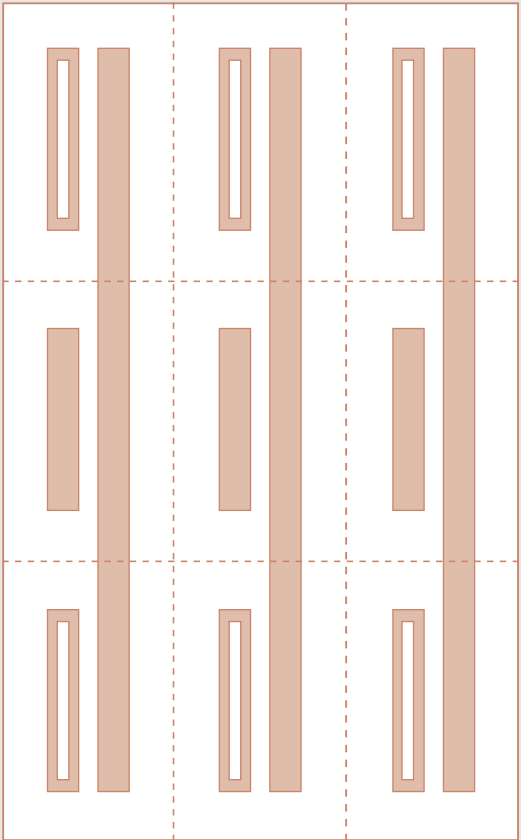
😊 General lighting  
☹️☹️ BETTER Acoustic

-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 took assumptions that one wall would be 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

AUDIA (16IN X48IN)	GOOD 😊	BETTER 😊😊	BEST 😊😊😊
Acoustix value	51	25	17



In the above photo we are showing 3 lit and 3 blank Audia Luminaires  
\*The complete Acoustix offering value table can be found at the end of the brochure, see page 86.

## Lumenwerx Acoustix Value Formula.

- 1. Calculate the square feet of your room:  
(L:10ft x W:15ft) 150 sq ft
- 2. Select your luminaire: Audia (16in x 48in)
- 3. Choose the level of acoustic improvement you are looking for and select the associated Acoustix Value:  
😊😊 Better : 25
- 4. Use the Lumenwerx Acoustix Value Formula

$$150 \div 25 = 6 \text{ fixtures}$$

(sq ft) (Acoustix value) (3 luminaires + 3 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.





# Lumenwerx Acoustix Value Tables

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. We have three levels of recommended sound reduction good, better and best. Choosing one of these option will reduce the sound accordingly: the best option indicates the best acoustic improvement. The ratios are based on a standard ceiling height of 9 feet.

Room dimensions under 300 sq/ft

PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
Arro 4 Acoustix	Direct	48"	22	10	7
	Direct/Indirect	48"	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
Audia	Direct/Indirect	12'	60	28	19
	Height: 12"	48"	38	19	12
	Height: 16"	48"	51	25	17
Cluster Acoustix	Circle	22"	30	15	10
	Square	22"	38	19	13
Curvia Acoustix	Height: 8"	48"	19	9	6
	Height: 12"	48"	29	14	8
	Height: 16"	48"	38	19	12
Mikro Wafer		20"x24"	38	19	13
		20"x36"	55	29	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
	Flush	4x4	28	13	9
	Drop 1"	4x4	32	15	10



PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
Rim Verso Acoustix	24" Ø		18	9	6
	36" Ø		42	20	14
	48" Ø		75	38	25
Squero Acoustix	Height: 8"	48"	19	9	6
	Height: 12"	48"	29	14	8
	Height: 16"	48"	38	19	12
Squero Acoustix Spoke V60, V90, V120	Height: 8"	24"	19	9	6
	Height: 12"	24"	29	14	8
	Height: 16"	24"	38	19	12
	Height: 8"	36"	29	14	9
	Height: 12"	36"	44	21	12
	Height: 16"	36"	57	29	18
	Height: 8"	48"	38	18	12
	Height: 12"	48"	58	28	16
	Height: 16"	48"	76	38	24
Squero, Via 1.5 & 2 Acoustix Spoke Y-Shaped	Height: 8"	24"	29	14	9
	Height: 12"	24"	44	21	12
	Height: 16"	24"	57	29	18
	Height: 8"	36"	43	20	14
	Height: 12"	36"	65	32	18
	Height: 16"	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
	Square	2"x2"	13	6	4
	Square	2"x2"	7	4	2
	Rectangle	2"x3"	19	9	5
	Rectangle	2"x4"	15	7	4
	Rectangle	2"x5"	12	6	3
	Rectangle	2"x6"	10	5	3
	Rectangle	2"x7"	8	4	2
	Rectangle	2"x8"	7	4	2
	Rectangle	3"x4"	10	5	3
	Rectangle	3"x5"	8	4	2
	Rectangle	3"x6"	6	3	2
	Rectangle	3"x7"	6	3	2
	Rectangle	3"x8"	5	2	1
	Rectangle	4"x5"	6	3	2
	Rectangle	4"x6"	5	2	1
	Rectangle	4"x7"	4	2	1



# Lumenwerx Acoustix Value Tables

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. We have three levels of recommended sound reduction good, better and best. Choosing one of these option will reduce the sound accordingly: the best option indicates the best acoustic improvement. The ratios are based on a standard ceiling height of 9 feet.

Room dimensions under 300 sq/ft

PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
Squero Hubs Acoustix	Rectangle	4"x8"	4	2	1
	Triangle	2'	67	32	18
	Triangle	3'	30	14	8
	Triangle	4'	17	8	5
	Hexagon	2'	11	5	3
Togo Acoustix	24" Ø		18	9	6
	36" Ø		42	20	14
	48" Ø		75	38	25
Via 1.5 & 2 Acoustix	Height: 8"	48"	19	9	6
	Height: 12"	48"	29	14	8
	Height: 16"	48"	38	19	12
Via Stil	Height: 12"	48"	19	9	6
	Height: 16"	48"	29	14	8
	Height: 20"	48"	38	19	12

Arq Globe Acoustix  
Felt Combination:  
Latte and Sand  
Globe Diameter: 8"







# Lumenwerx Acoustix Value Tables

Room dimensions over 300 sq/ft

PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
Arro 4 Acoustix	Direct	48"	33	17	11
	Direct/Indirect	48"	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
Audia	Direct/Indirect	12'	91	47	32
		12"x48"	60	29	19
		16"x48"	84	39	26
Cluster Acoustix	Circle	22"	48	24	16
	Square	22"	61	30	20
Curvia Acoustix	Height: 8"	48"	29	15	10
	Height: 12"	48"	45	22	14
	Height: 16"	48"	58	29	19
Mikro Wafer		20"x24"	61	30	20
		20"x36"	92	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
	Drop 4"	2x2	35	18	12
	Flush	4x4	43	22	15
	Drop 1"	4x4	48	25	17



PRODUCT			GOOD 😊	BETTER 😊 😊	BEST 😊 😊 😊
Rim Verso Acoustix	24" Ø		28	14	9
	36" Ø		65	32	22
	48" Ø		120	59	41
Squero Acoustix	Height: 8"	48"	29	15	10
	Height: 12"	48"	45	22	14
	Height: 16"	48"	58	29	19
Squero Acoustix Spoke V60, V90, V120	Height: 8"	24"	29	15	10
	Height: 12"	24"	45	22	14
	Height: 16"	24"	58	29	19
	Height: 8"	36"	44	23	15
	Height: 12"	36"	68	33	21
	Height: 16"	36"	87	44	29
Squero, Via 1.5 & 2 Acoustix Spoke Y-Shaped	Height: 8"	48"	58	30	20
	Height: 12"	48"	90	44	28
	Height: 16"	48"	116	58	38
	Height: 8"	24"	44	23	15
	Height: 12"	24"	68	33	21
	Height: 16"	24"	87	44	29
	Height: 8"	36"	65	34	23
	Height: 12"	36"	101	50	32
	Height: 16"	36"	131	65	43
	Height: 8"	24"	58	30	20
Squero, Via 1.5 & 2 Acoustix Spoke X-Shaped	Height: 12"	24"	90	44	28
	Height: 16"	24"	116	58	38
Squero Hubs Acoustix	Square	2"x2"	45	22	14
	Square	2"x2"	20	10	6
	Square	2"x2"	11	6	4
	Rectangle	2"x3"	30	15	9
	Rectangle	2"x4"	23	11	7
	Rectangle	2"x5"	18	9	6
	Rectangle	2"x6"	15	7	5
	Rectangle	2"x7"	13	6	4
	Rectangle	2"x8"	11	6	4
	Rectangle	3"x4"	15	7	5
	Rectangle	3"x5"	12	6	4
	Rectangle	3"x6"	10	5	3
	Rectangle	3"x7"	9	4	3
	Rectangle	3"x8"	8	4	2
	Rectangle	4"x5"	9	4	2
	Rectangle	4"x6"	8	4	2
	Rectangle	4"x7"	6	3	2





# Lumenwerx Acoustix Value Tables

Room dimensions over 300 sq/ft

PRODUCT			GOOD 😊	BETTER 😊😊	BEST 😊😊😊
Squero Hubs Acoustix	Rectangle	4"x8"	6	3	2
	Triangle	2'	104	51	32
	Triangle	3'	46	23	14
	Triangle	4'	26	13	8
	Hexagon	2'	17	8	5
Togo Acoustix	24" Ø		28	14	9
	36" Ø		65	32	22
	48" Ø		120	59	41
Via 1.5 & 2 Acoustix	Height: 8"	48"	29	15	10
	Height: 12"	48"	45	22	14
	Height: 16"	48"	58	29	19
Via Stil	Height: 12"	48"	29	15	10
	Height: 16"	48"	45	22	14
	Height: 20"	48"	58	29	19



Squero Hubs Acoustix  
Optic: HLO  
Hub Connectors: Hub V 90°, Hub T, Hub + (Accent Plate Color: Custom)  
Shapes: Rectangle and Square  
Felt Colors: Latte and Mocha





ACOUSTIX COLLECTION  
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BROCHURE



ALWAYS LIGHT  
RIGHT

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