

Lumenwerx

Audia

A BREAKTHROUGH
IN ACOUSTIC LIGHTING





EchoCore™ technology

This patent-pending technology uses a die-cut aluminum wrap and multiple layers of sound-absorbing material to trap acoustic waves. Sound travels through the aluminum exterior into a sound-absorbing core, resulting in a 30% increase in sound reduction compared to competing luminaires.

Lumenwerx EchoCore™ technology empowers luminaires to absorb significantly more sound than traditional felt-fitted acoustic fixtures are capable of absorbing.

Acoustic fixtures equipped with EchoCore™ (Audia, Pop, and Aera) deliver exceptional illumination with a variety of circadian, tunable white, and RGB+W solutions, and help to define spaces with a choice of standard, premium, and custom options, as well as with a selection of patterns, shapes, and mounting possibilities.

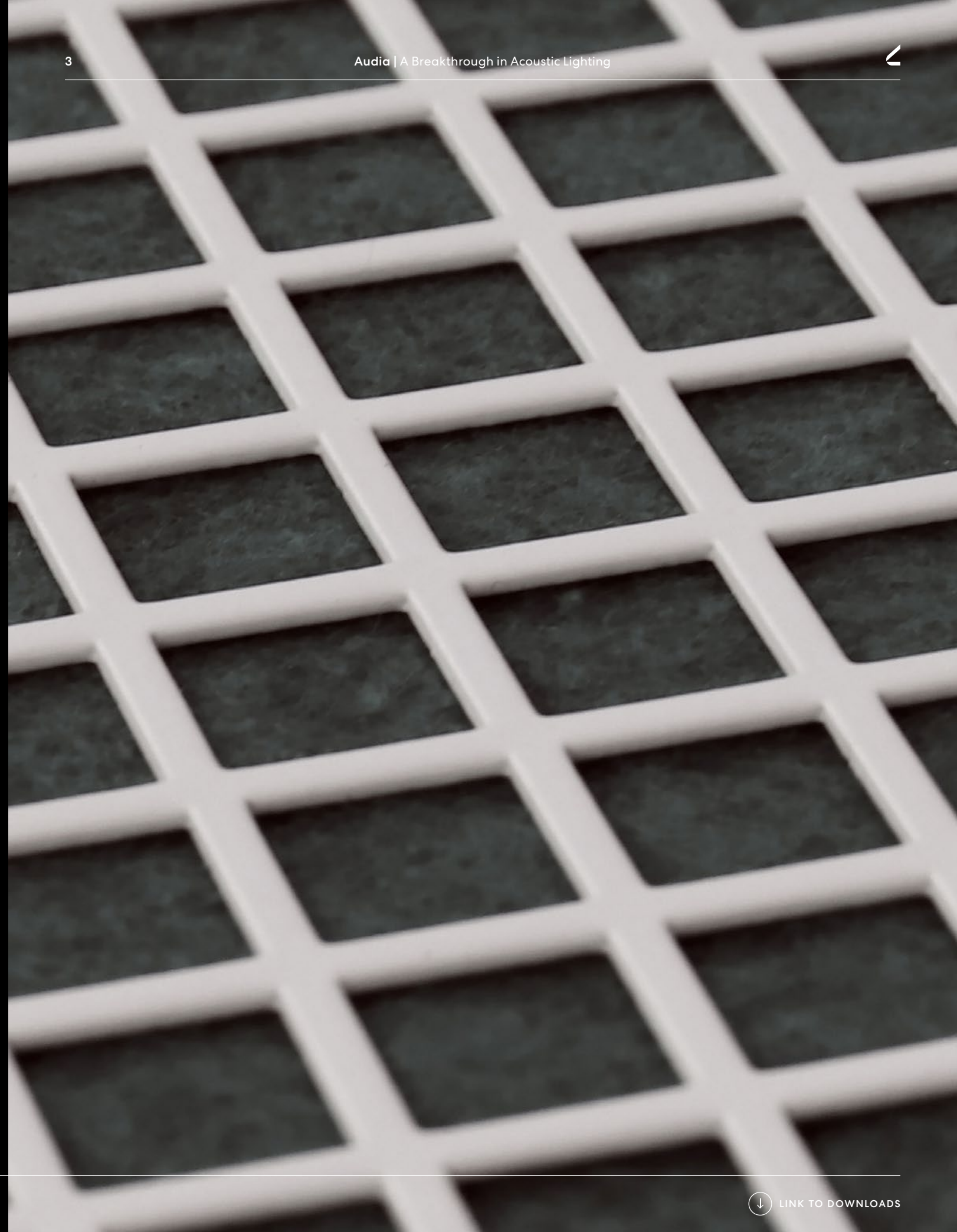
Available in
Audia, Pop,
and Aera

Pendant, Surface,
and Recessed

Linear, Round,
and Square

5 patterns +
custom

UP TO
4 ft in diameter
and 12 ft in length





Pattern Your Design



Enhance a theme, add dimension, create a focal point, or make the lighting fixture the focal point. With five patterns (round, square, linear, cubic, and scallop) and the option to customize, there are plenty of possibilities to provide the best acoustic lighting solutions for your interior spaces.

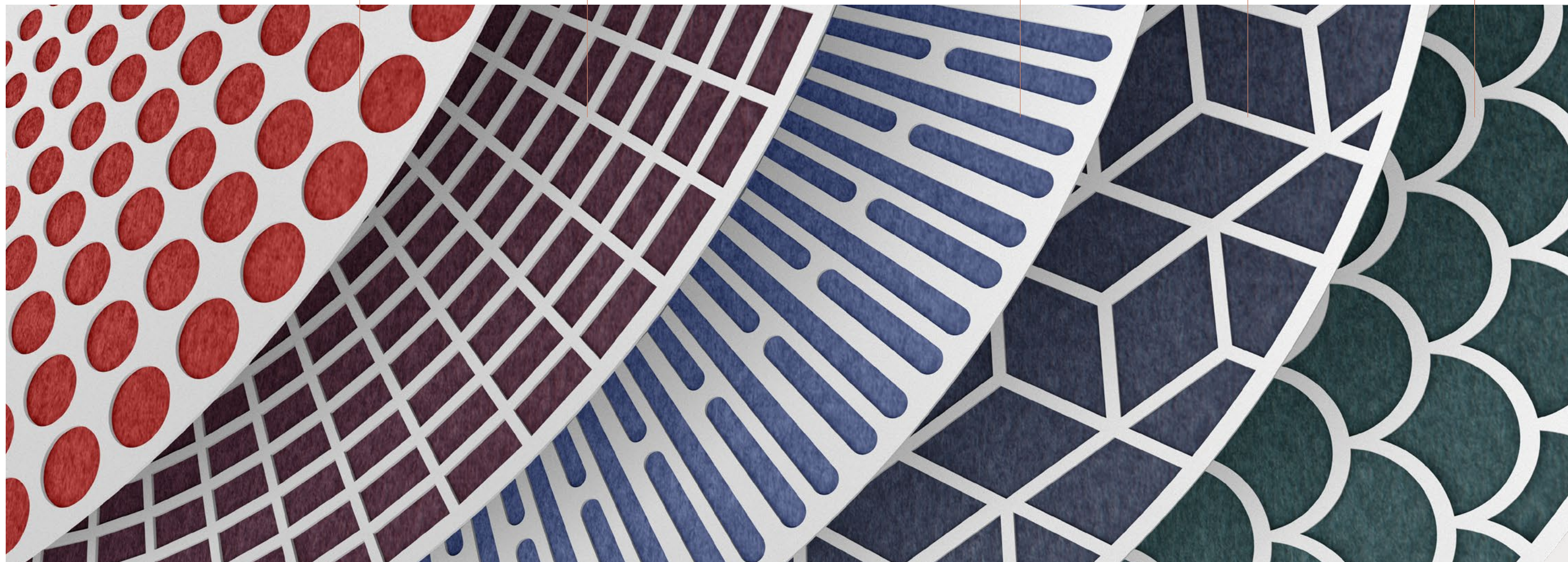
ROUND

SQUARE

LINEAR

CUBIC

SCALLOP





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

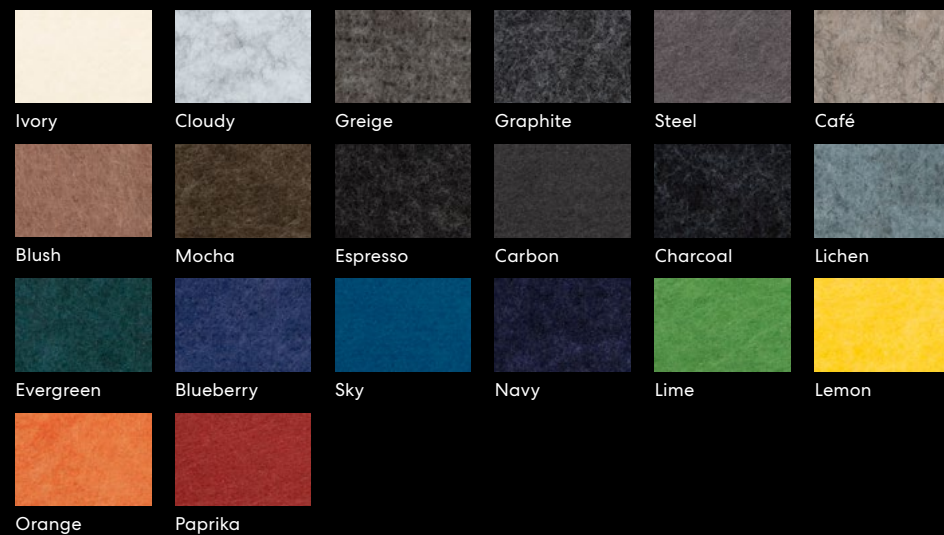
Mold Resistant
& Breathable

Felt Color Options

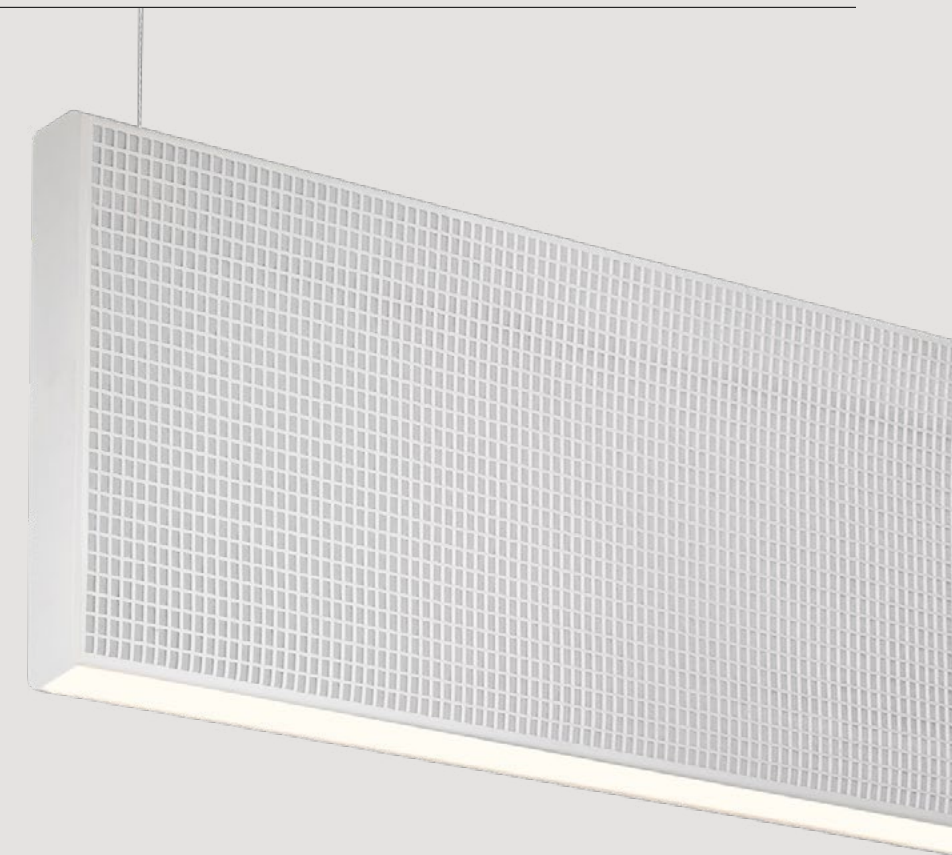
STANDARD FELT COLOR OPTIONS



PREMIUM FELT COLOR OPTIONS



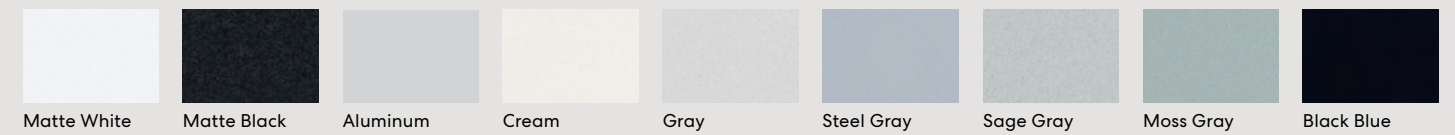
Fixtures Finishes



Die-cut
Aluminum Wrap

Fixture Finish Color Options

STANDARD



NEUTRAL

DESIGNER

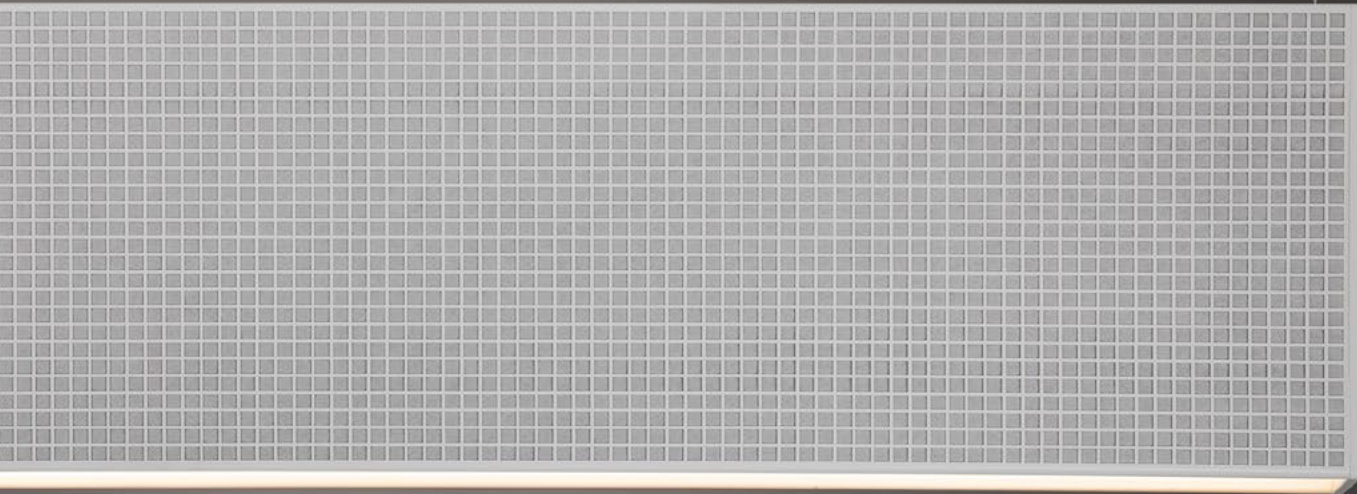


METALLICS





Audia
 Fixture finish: White
 Interior Felt Color: Frost White
 Pattern: Square



Declare.



Audia

A Breakthrough in Acoustic Lighting

Our flagship offering, Audia uses the science of Helmholtz resonance principles to pass acoustic waves through aluminum lattice, it is then trapped by our proprietary sound-absorbing material called EchoCore™ technology. With its slim core, narrow body and multiple color options, Audia was designed from the ground up with sound and light excellence in mind.

30%
Improvement
in Sound Reduction
Over Traditional
Acoustic Luminaires

One of the Slimmest
Acoustic Profiles on
the Market (1.77 in)

Stylish, Easy-to-
clean Die-cut
Aluminum

No Compromise
on Illumination
and Performance



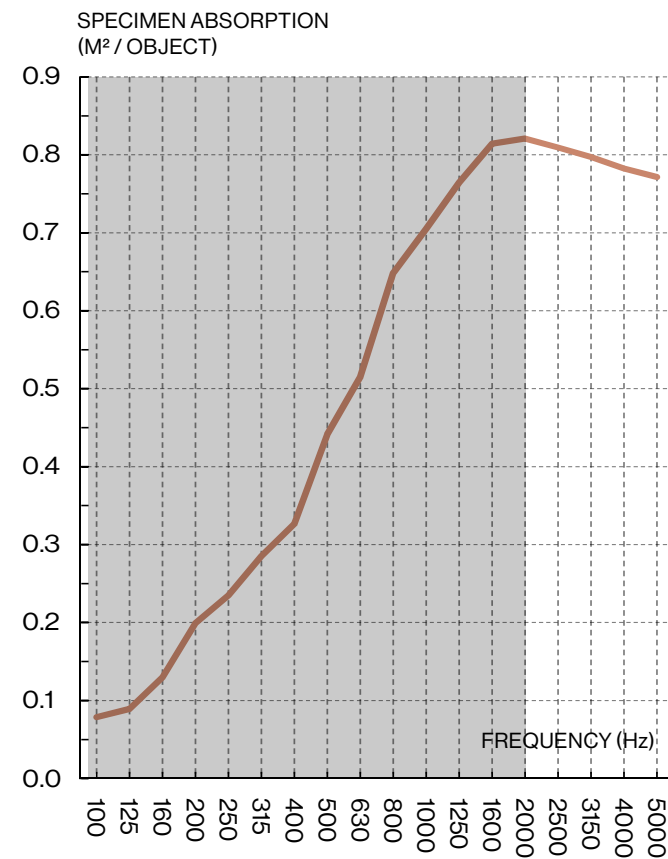
reddot winner 2020



Audia Technology and Design

Audia comes with a thin and sleek profile at 1.77" in width, making it one of the slimmest acoustic luminaire profiles on the market while maintaining maximum sound absorption. The sound absorption technology used in EchoCore™ (patent pending) is based on the Helmholtz principle of sound. We have specifically sized lattice openings which allow sound to pass through but not escape. Once the sound has passed through the lattice, it is then trapped by a proprietary amount of eco-conscious sound confining material that is strategically layered.

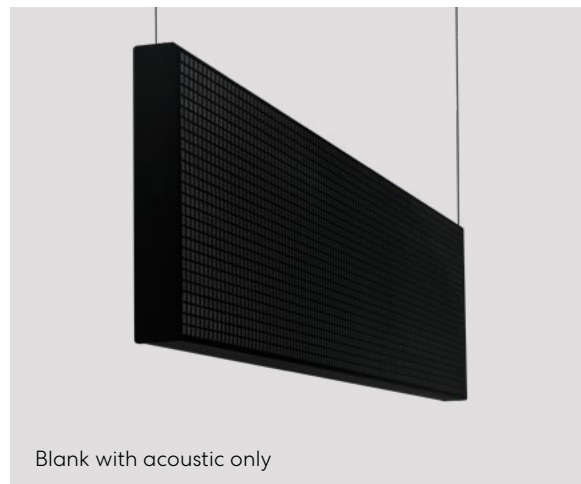
As demonstrated by the graph above, Audia performs well at many frequencies. On average it outperforms traditional acoustic felt luminaires by thirty percent.



Sound Absorption Results – Lumenwerx Audia rows of 7 units spaced 28" o.c, bottom edge of unit 39.125" from the floor.

Human hearing frequencies range: 20Hz-2000Hz

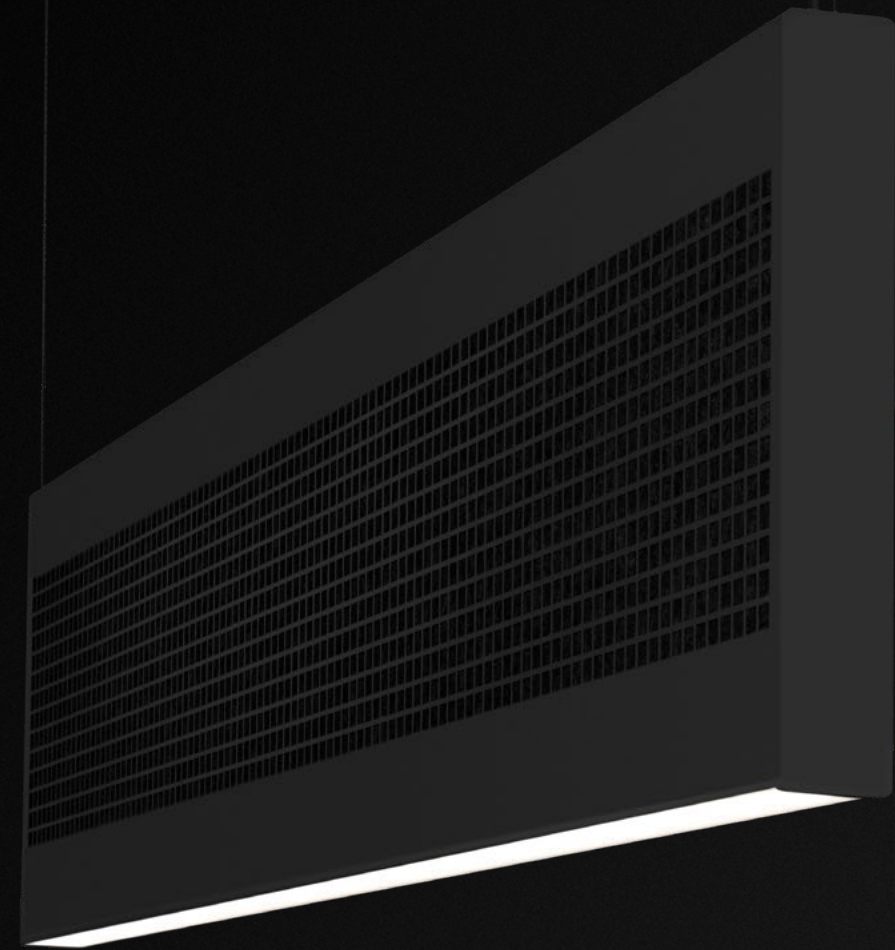
OPTION



Blank with acoustic only



Audia Half Perforation
Fixture finish: Black
Interior Felt Color: True Black
Pattern: Square





Featuring a combination of Audia EchoCore™ lit and unlit luminaires with scallop pattern



Audia EchoCore™
Rhythm and repetition
add a **quiet balance**
to the space.



Overview

Audia EchoCore™

SIZES (HEIGHTS)

12 in, 16 in
*Available in lit and unlit

COLOR RENDERING OPTIONS

80+, 90+ (R9>50), 95 CRI

DISTRIBUTIONS

Direct/Indirect
Direct
Indirect

COLOR TEMPERATURES

- 2700K
 - 3000K
 - 3500K
 - 4000K
- Sola
 - Duo
 - Quadro
 - Full Spectrum
 - Bios

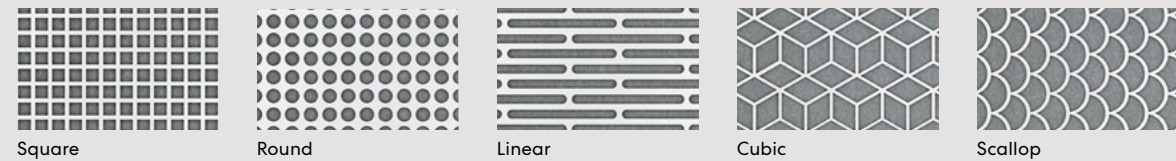
DIRECT OPTIC

HLO - High-Efficiency
Lambertian Optic

INDIRECT OPTICS

WIO2 - Widespread
Indirect Optic

FIXTURE PATTERN



Audia EchoCore™ lit and unlit
Fixture finish: Rust Fine Texture
Interior Felt Color: Mocha
Pattern: Square
Enbridge Gas, Ontario, Canada
Photo: Brandon Marsh



COMPLETE ECHOCORE™
BROCHURE



AUDIA ECHOCORE™
ONLINE

