



A R K T U R A

# Vapor<sup>®</sup> Pixel



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Ceiling & Wall **Panels**

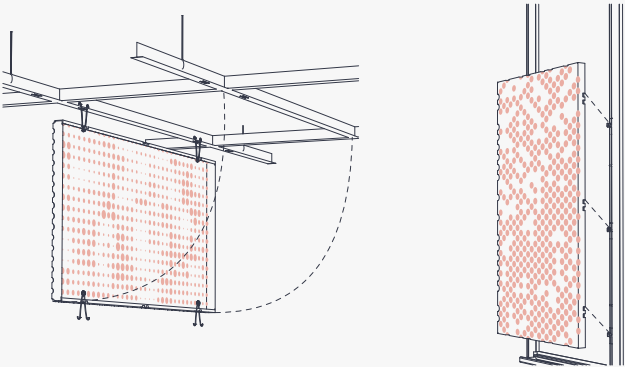
*Fueling Possibilities<sup>®</sup>*

# Our Key Features

Vapor® Pixel powder-coated aluminum torsion spring panels bring the essence of coding into your design with lines of multi-sized circles staggered along each panel. So when paired with our integrated lighting backer, you get more illumination. Or pair with our Soft Sound® Backer if you are looking for more acoustic benefits.

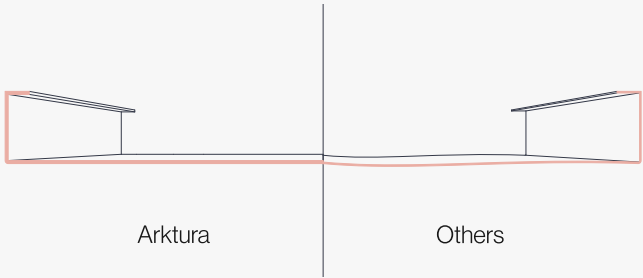
### Reduce Noise & Enhance Acoustics

Vapor®’s optional Soft Sound® backer material reduces the impact of noise from everyday annoyances like ringing, typing, and chatter resulting in a more pleasant and productive environment. The Soft Sound® backer works in concert with the design to help reduce and control reverberations leaving a lasting impression at scales ranging from assembly halls to conference rooms.



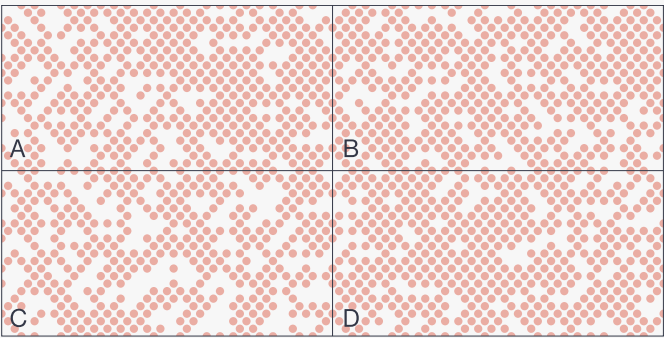
### Easy Installation & Access

Vapor® panels offer easy install, using quick torsion spring attachment across standard ceiling grid systems or simple wall attachment using our Vertika® channel system.



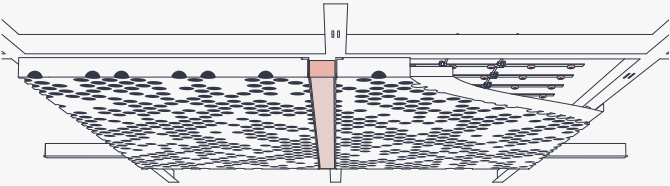
### Superior Flatness & Strength

Vapor® panels are manufactured from aluminum that is on average 50% thicker than the competition, which in combination with our precision processes result in unrivaled flatness.



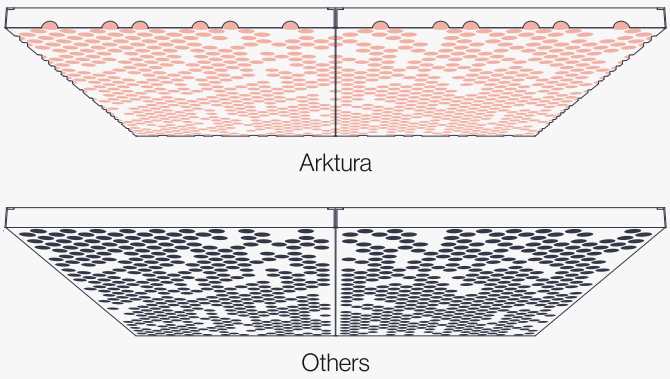
### Preconfigured Solutions

Vapor® panels are scalable, seamlessly tileable preconfigured solutions designed with a dynamic array of criteria and effects in mind. Choose from our growing library of patterns to uniquely impact your project.



### Integrated Lighting Options

Arktura’s Vapor® line makes it easy to seamlessly add illumination and lighting effects to your projects, through available integrated InLine and Backlighting options.



### Continuous Pattern Aesthetic

Achieve uninterrupted patterning across your space. Vapor® patterns have perforations that wrap around the edges of each panel, concealing where patterns start and end.



# Inspiration



**Create Dynamic Wall to Ceiling Transitions**



**Create a Unique Lighting Feature**



**Control Noise with Soft Sound® Backers**

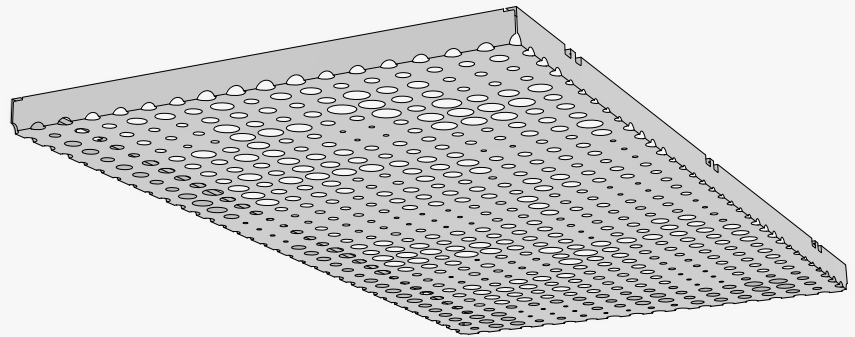
# Overview

- 1 Understanding the System
- 2 Optional Accessories
- 3 Available Finishes
- 4 Product Specifications

## 1 Understanding the System

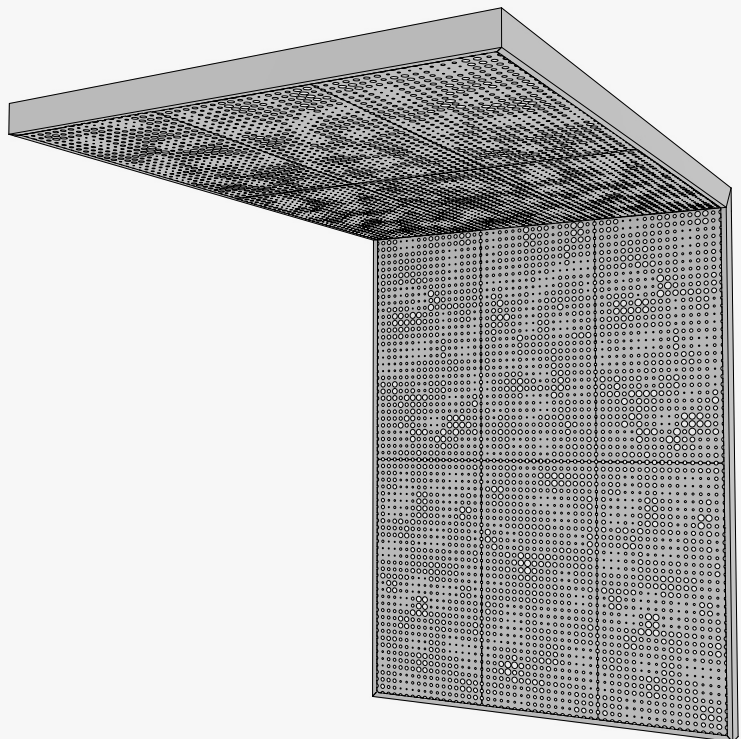
### Standard Panel

Vapor® is a modular accessible aluminum panel system designed to work with torsion grid. Customization is available.



### Seamlessly Join Walls & Ceilings

Vapor® easily transitions from one plane to another and around corners.





# 1 Understanding the System

## Understanding the Panel

The pattern surface is created using 4 unique tiles in a specific arrangement that minimizes visual repetition across your space.

Panels A: 20% Open

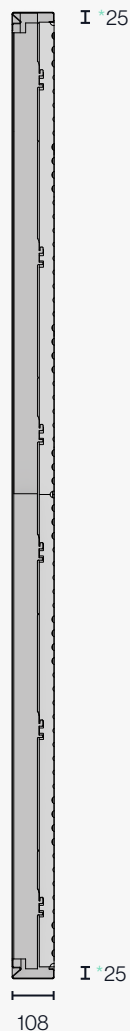
Panels B: 19% Open

Panels C: 18% Open

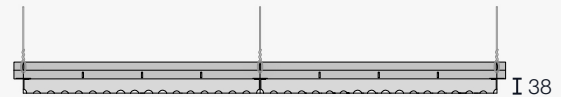
Panels D: 20% Open

\* Vertika® Trim

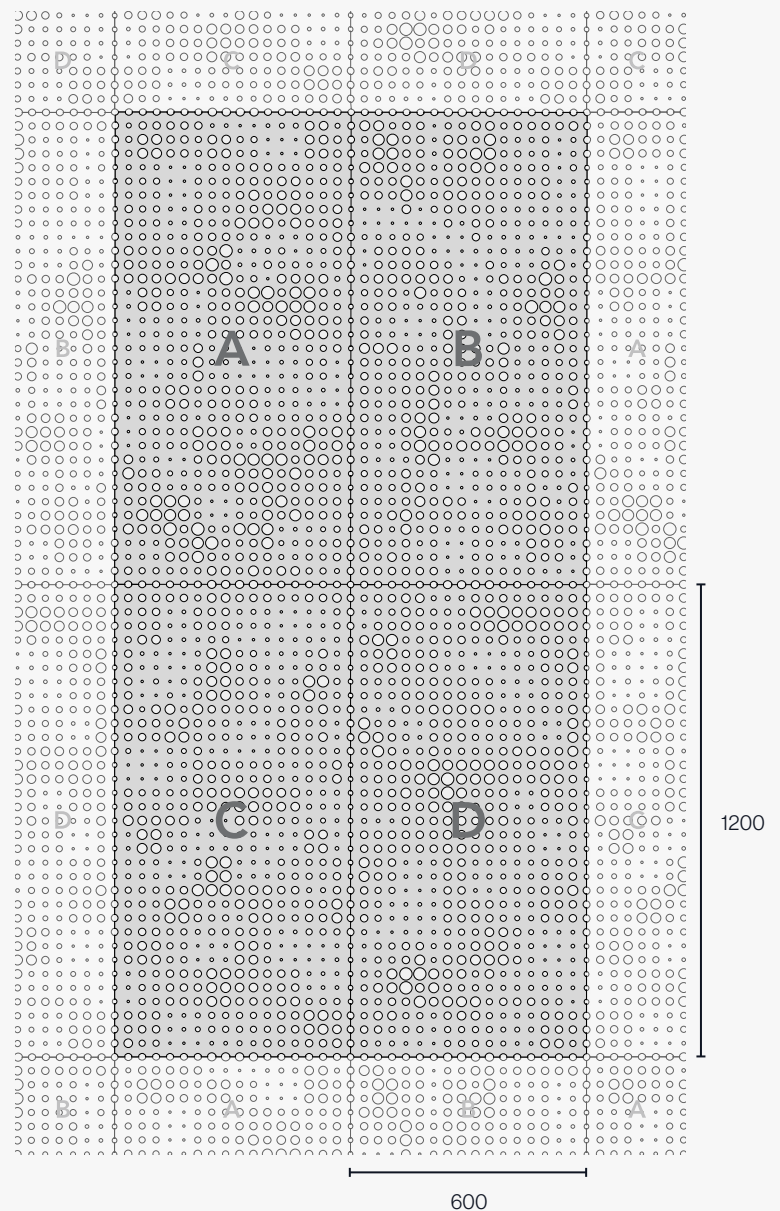
Wall Section



Ceiling Section



Panel Configuration, Wall or Ceiling



All dimensions are in mm unless otherwise specified.

All dimensions nominal.

# 1 Understanding the System

## Accessory Options - Ceiling

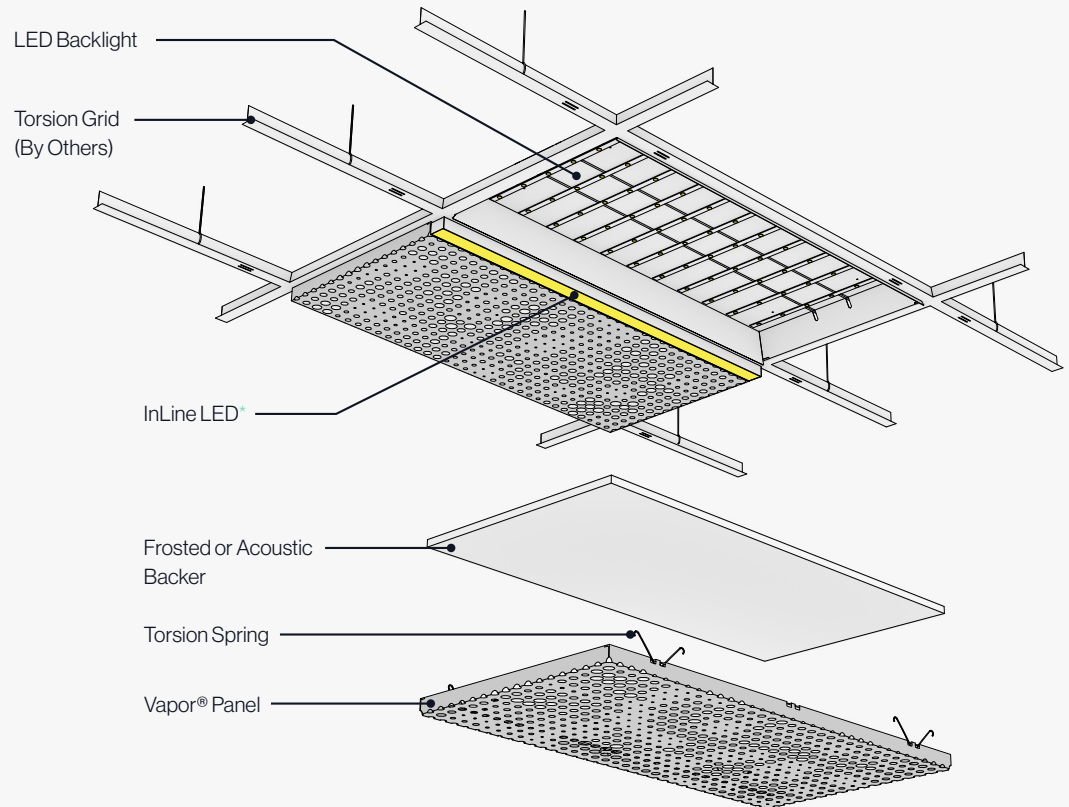
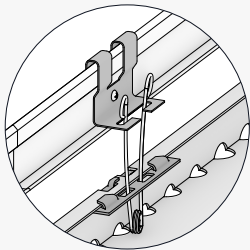
- Frosted light diffusing backer
- 12mm acoustic backer
- Backlight
- InLine downlight

**i** Check out our Configuration examples on PAGE 10.

\* A Specific InLine light panel is used to accommodate the width of the fixture within the 600mm width.

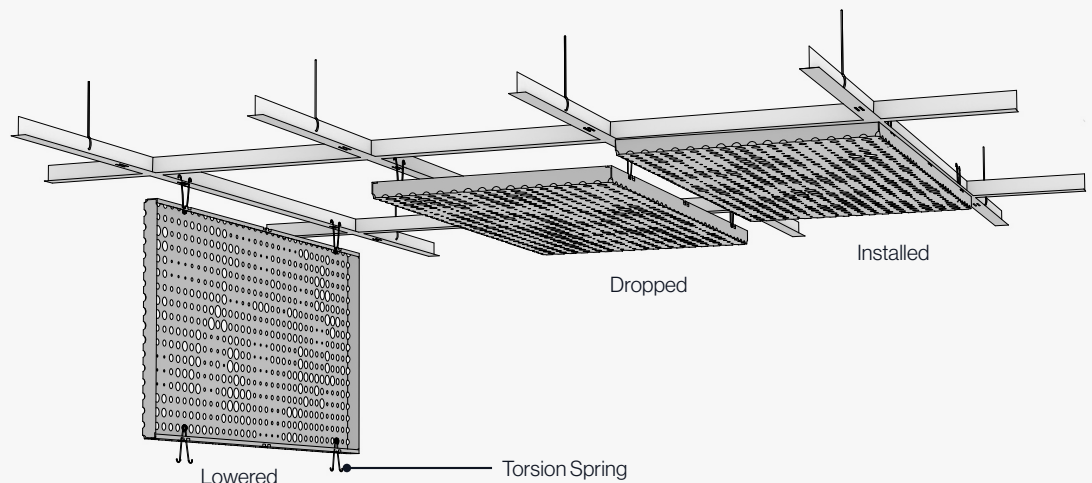
### Torsion Spring Adapter Clip

Interested in using standard t-grid?  
Use our optional Torsion Spring Adapter Clip.



## Attachment System - Ceiling

Torsion Spring clips allow for rapid install and easy access for maintenance above the grid post install.






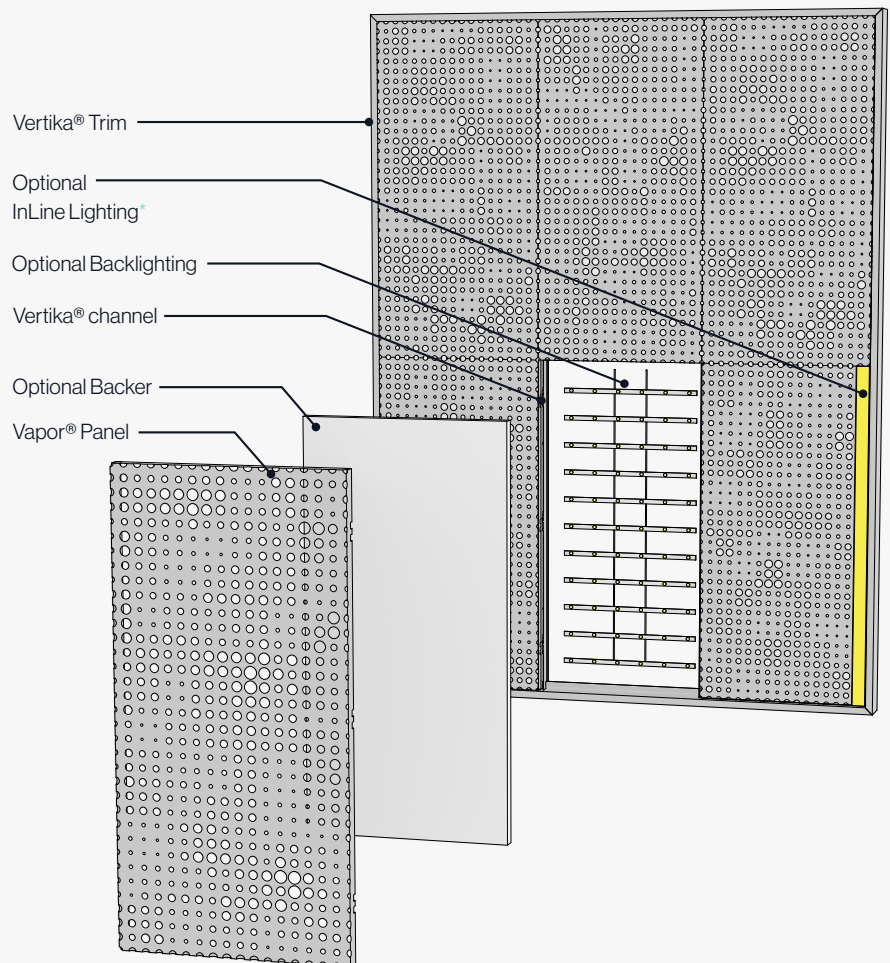
## 1 Understanding the System

### Accessory Options - Wall

- Frosted light diffusing backer
- 12mm acoustic backer
- Backlight
- InLine light

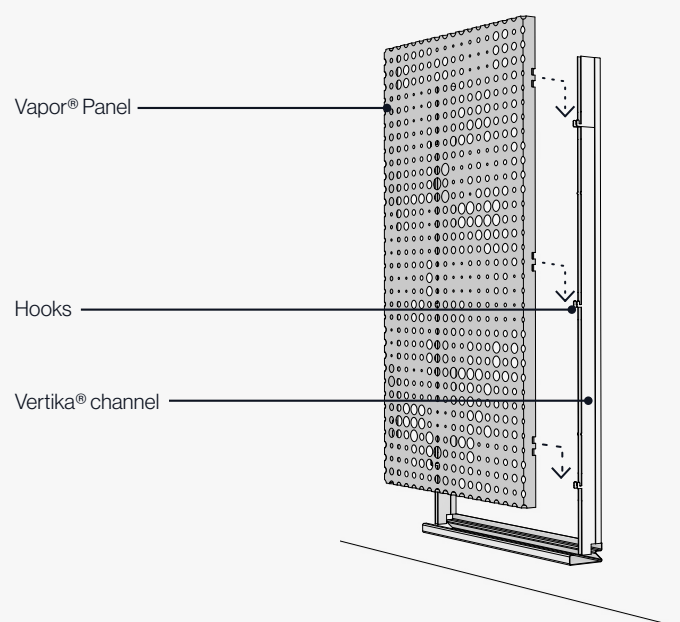
 Check out our Configuration examples on PAGE 10.

\* A Specific Inline light panel is used to accommodate the width of the fixture within the 600mm width.



### Attachment System - Wall

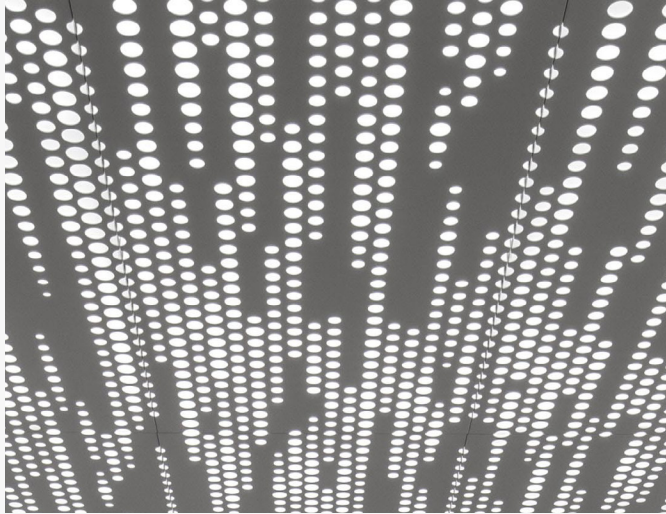
Panels are easily installed or removed by sliding onto or lifting off from the system's Vertika® channel hooks.



## 2

## Optional Accessories

## Lighting

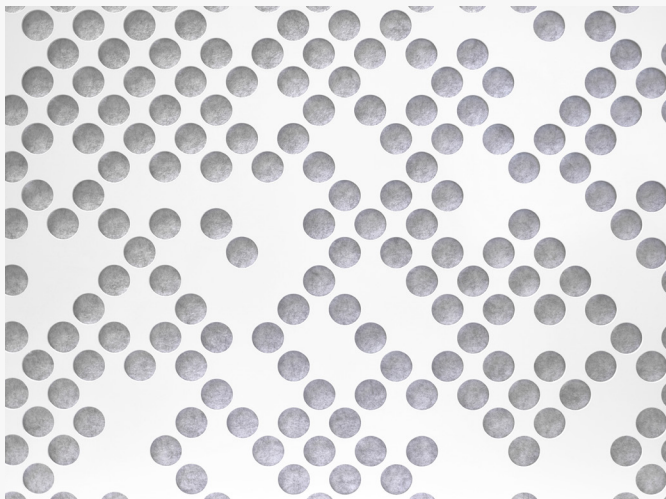
**Backlighting**

Arkтура Backlighting allows you to fully illuminate your ceiling and wall panel installs, creating beautiful evenly lit surfaces. These fixtures are available in high and low output versions, both dimmable. See Backlighting specs details on PAGE 14.

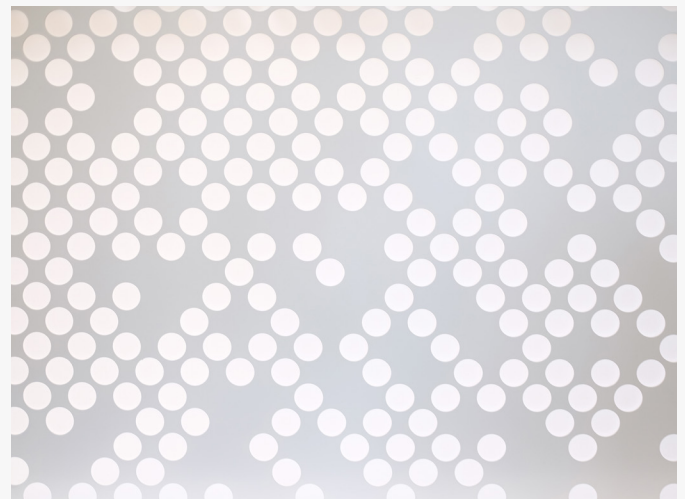
**InLine Lighting**

Our InLine Light sits flush with the face of the panels while conveniently attaching to the bottom of the grid. Fixtures: 1200 and 2400 lengths. A special side-light Vapor® panel allows the light to straddle its 1200mm edge while staying within a 600mm overall width. See Inline Lighting specs details on PAGE 15.

## Backers

**Acoustic Backer**

We offer various options of Soft Sound® panel inserts to achieve a variety of NRC ratings. Please refer to our True NRC® table of ratings.

**Translucent Backer**

Our proprietary light diffusing backers can be used to create a functional or decorative lighting effect in any space.

 Illustrative diagrams. Patterns may not match the product.



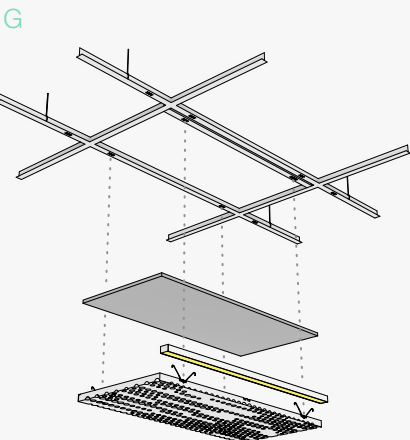
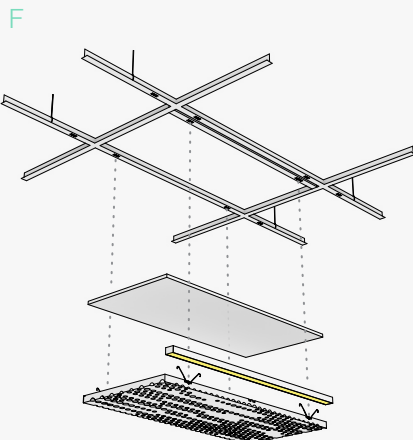
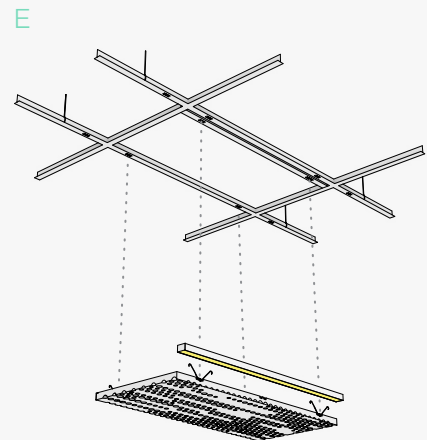
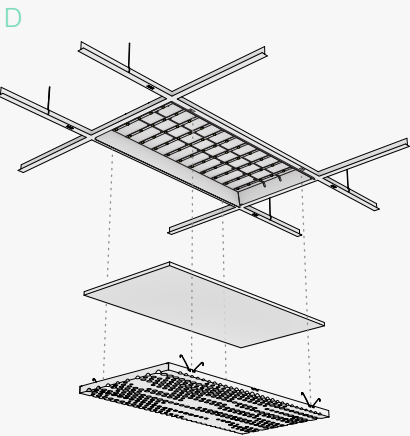
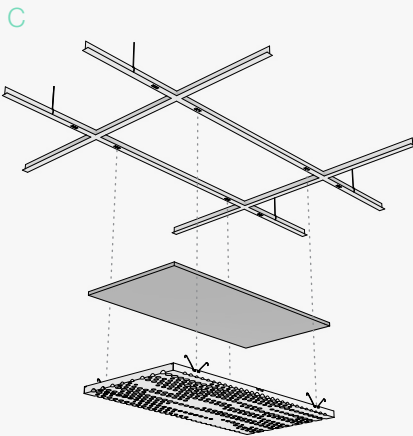
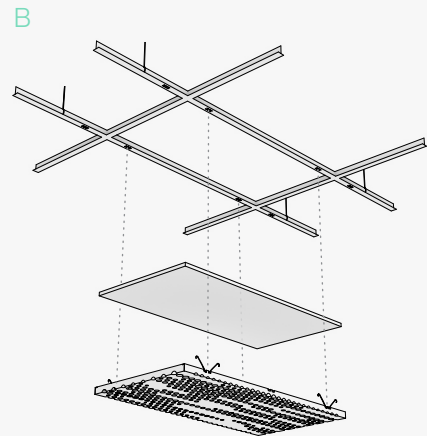
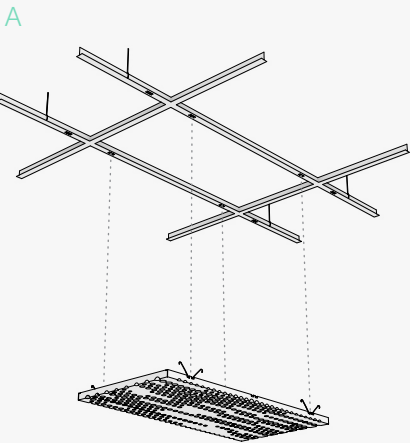
2 Optional Accessories

Possible Configurations

Refer to the chart and corresponding diagrams below for available configuration options.

	No Backer	Translucent Backer	Soft Sound® Backer
No light	A	B	C
Backlight		D	
InLine	E	F	G

Looking to combine backlight with acoustic performance in the same panel?  
Check out our VaporSoft® line.



Illustrative diagrams. Patterns may not match the product.

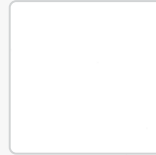
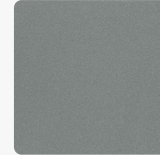
3

## Available Finishes

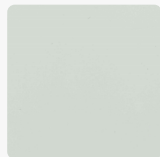
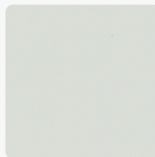
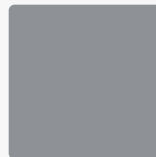
## Aluminum Panel

**Powder Coat**

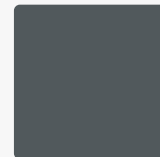
Standard Finish

T-Grid White\*  
(Matte)Arktura White  
(Matte)Brilliant White  
(Gloss)Silver Metallic  
(Semi Gloss)Jet Black  
(Matte)**Powder Coat**

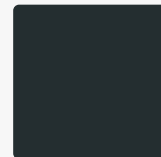
Premium Finish

Aviator Gray  
(Gloss)Aviator Gray  
(Matte)

Steel Gray



Shadow



Midnight



Coffee



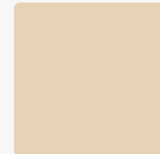
Raw Umber



Caramel



Sandstone



Oat



Sunflower



Torch

Spirit Red  
(Matte)

Azure



Blue Steel



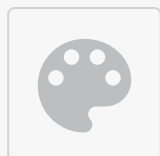
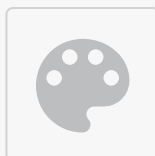
Forest Green

**Powder Coat**

Premium Metallic Finish

Chilled Champagne  
(Semi Gloss)Burnished Bronze  
(Semi Gloss)**Custom Powder Colors**

We offer premium non-stock RAL and custom color match options as well. Contact your sales rep for more information.

Non-stock  
RALNon-stock  
Metallic

\* This color was designed to pair with Armstrong color "WH" grid and trim.

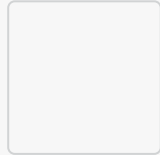


### ③ Available Finishes

#### Optional Translucent Backer

##### Polycarbonate

Available in interior and UV stable exterior options.



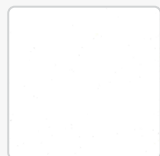
Frosted

#### Optional Soft Sound® Backer

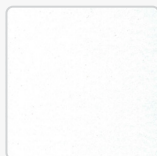
##### Soft Sound®

##### Color Group A

Standard



White



Snow



Marble



Heather Gray



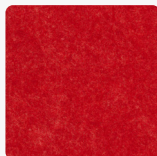
Graphite



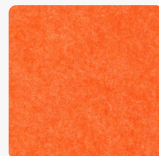
Carbon



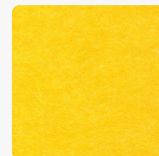
Onyx



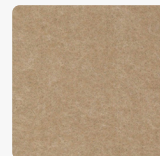
Apple



Tangerine



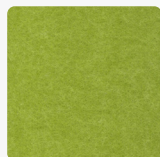
Lemon



Taupe



Sand



Kiwi



Whisper



Sky Blue



Denim

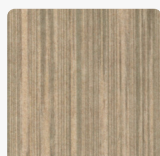
##### Soft Sound® Wood Texture Premium

① As with natural wood, variation in color and grain is expected and grain will not align across panels.

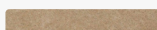
Core



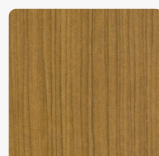
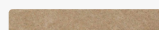
Face



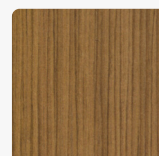
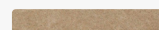
Gray Ash



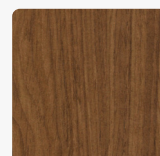
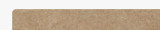
White Oak



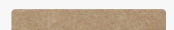
Golden Oak



Oak



American Walnut

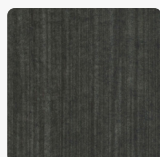


Charred Oak

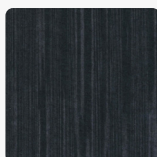
Core



Face



Charred Ash



Ebony

① Due to the nature of non-woven materials, light may pass through Soft Sound® in any thickness or color. A translucent appearance is most apparent in lighter colors and thin material when a light source is present behind the material. Arkтура makes no claims or warranties about the material performing as opaque in any circumstance. To verify a products performance for light transmittance, a mockup of the specific intended use is recommended.

## 4

## Product Specifications &amp; Certifications

## System Specs

<b>Panel Size (WxHxD)</b>	600 X 1200 X 38
<b>Material</b>	Aluminum
<b>Openness in Plan</b>	19%
<b>Fire Rating</b>	ASTM E84 - Class A   13501-1 B-s1, d0
<b>Acoustics</b> (with optional Soft Sound® backer)	True NRC® 0.85: Ceiling ; E-300 Method True NRC® 0.80: Wall ; F-70 Method
<b>Ceiling Attachment</b>	Torsion Grid (By Others)
<b>Wall Attachment</b>	Vertika® Wall (Refer to Vertika® Brochure)
<b>Accessibility</b>	Torsion Spring Hinge
<b>Trimmability</b>	Yes, per installation manual
<b>Optional Accessories</b>	Acoustic Backer, Translucent Backer, Backlight, InLine Light, Torsion Spring Adapter Clip

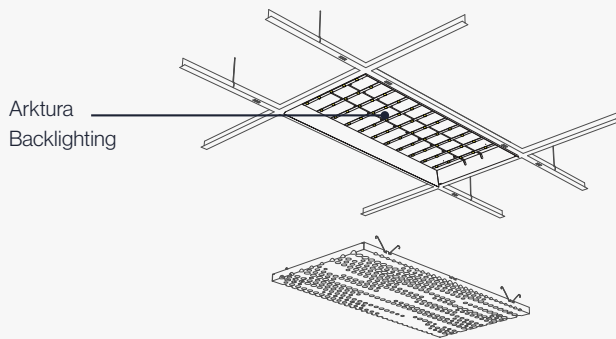


# Lighting Specs

## Arktura Backlighting

Available in dimmable low and high output variations, gives you the power to illuminate spaces and create dynamic visual effects.

### Ceiling

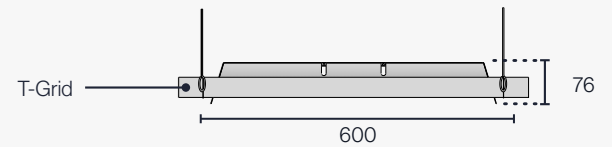


### Vertika® Wall

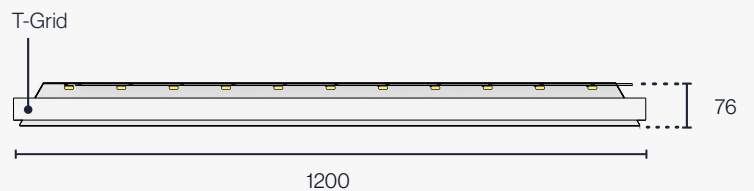


### Sections

#### Front view



#### Side view

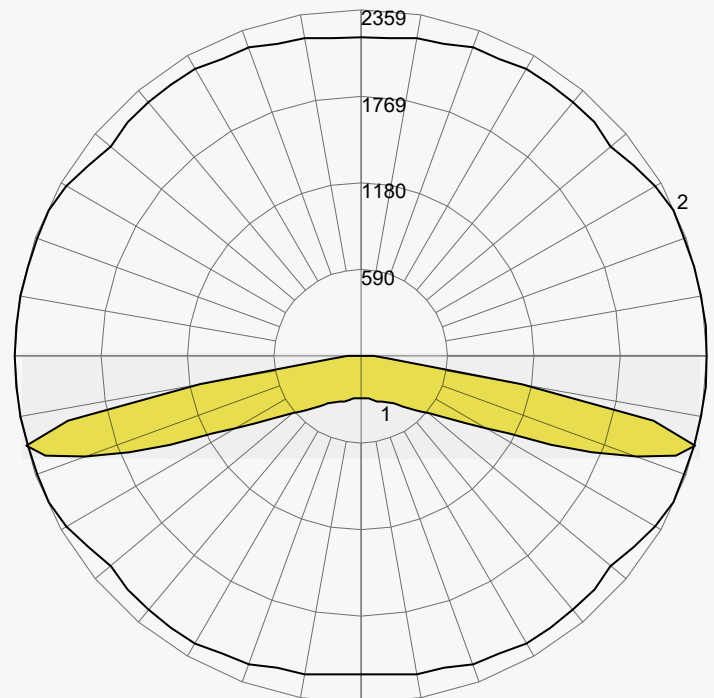


### Photometric

Located At Horizontal Angle = 0, Vertical Angle = 0

#1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

#2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



### Specs

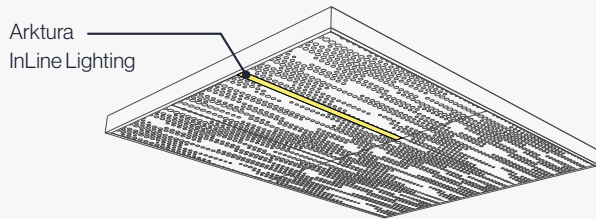
Product Features	Arktura Backlighting Eco	Arktura Backlighting
Total Lumens	2250 Lm/2x4 Panel	4050Lm/2x4 Panel
Delivered Lumens	2250 Lm/2x4 Panel	4050Lm/2x4 Panel
Power Consumption	25 Watts 2x4 Panel	45 Watts 2x4 Panel
CRI	80+	
Color Temperatures	3000k, 3500k, 4000k (Other temperatures on request)	
Size (LxWxD)	600 X 1200 X 76	
UL Rating	Listed	
Voltage	24 Volts	
Dimming Options	MLV, 1-10V, 0-10V	
Plenum Rated Wire	Standard	

# Lighting Specs

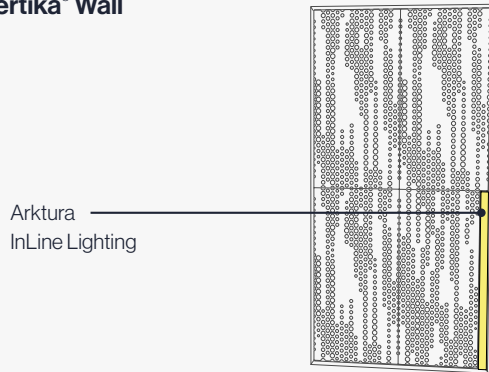
## Arktura InLine Lighting

Makes it easy to seamlessly integrate linear lighting into the design of your paneling.

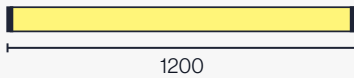
### Ceiling



### Vertika® Wall



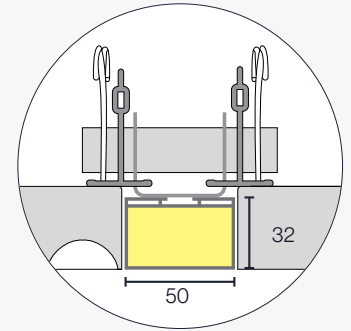
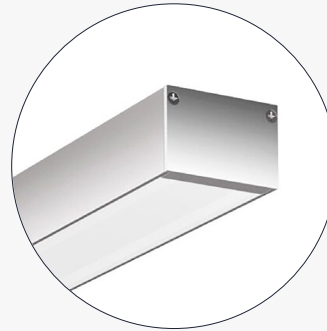
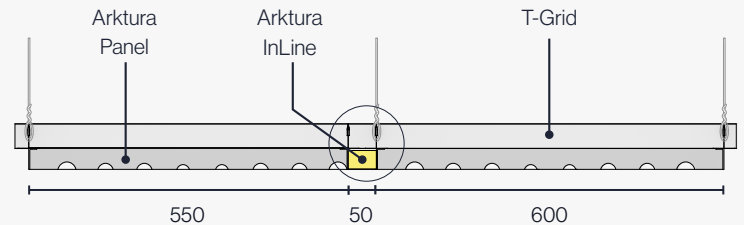
### Side - Length Options



### Specs

Product Features	Arktura InLine Eco	Arktura InLine
Total Lumens	640 Lm/Ft	1280 Lm/Ft
Delivered Lumens	480 Lm/Ft	960 Lm/Ft
Power Consumption	6W/Ft	12W/Ft
CRI	95+	
Color Temperatures	3000k, 3500k, 4000k (Other temperatures on request)	
Size (LxWxD)	600 X 50 X 32 X 2438 X 50 X 32	
UL Rating	Recognized	
Voltage	24 Volts	
Dimming Options	MLV, 1-10V, 0-10V	
Plenum Rated Wire	Standard	

### Elevations

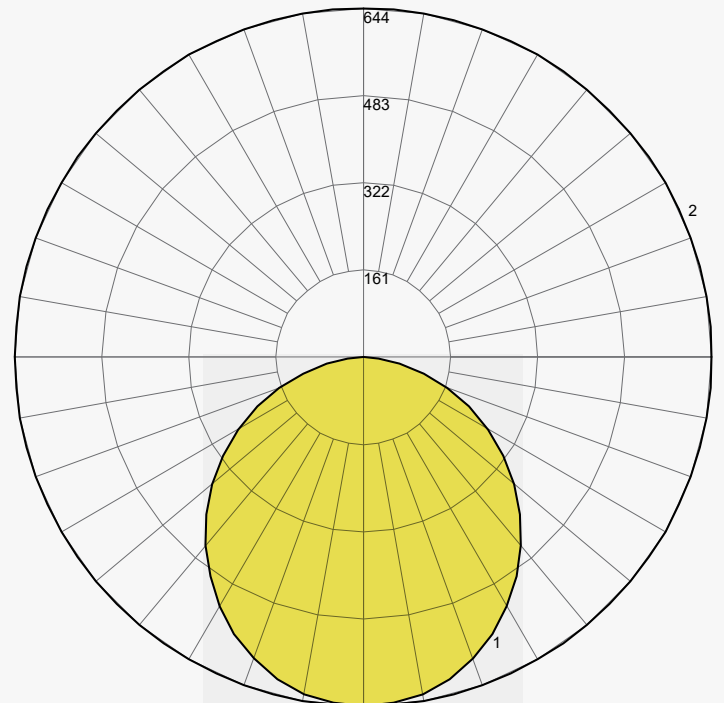


### Photometric

Located At Horizontal Angle = 0, Vertical Angle = 0

#1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

#2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

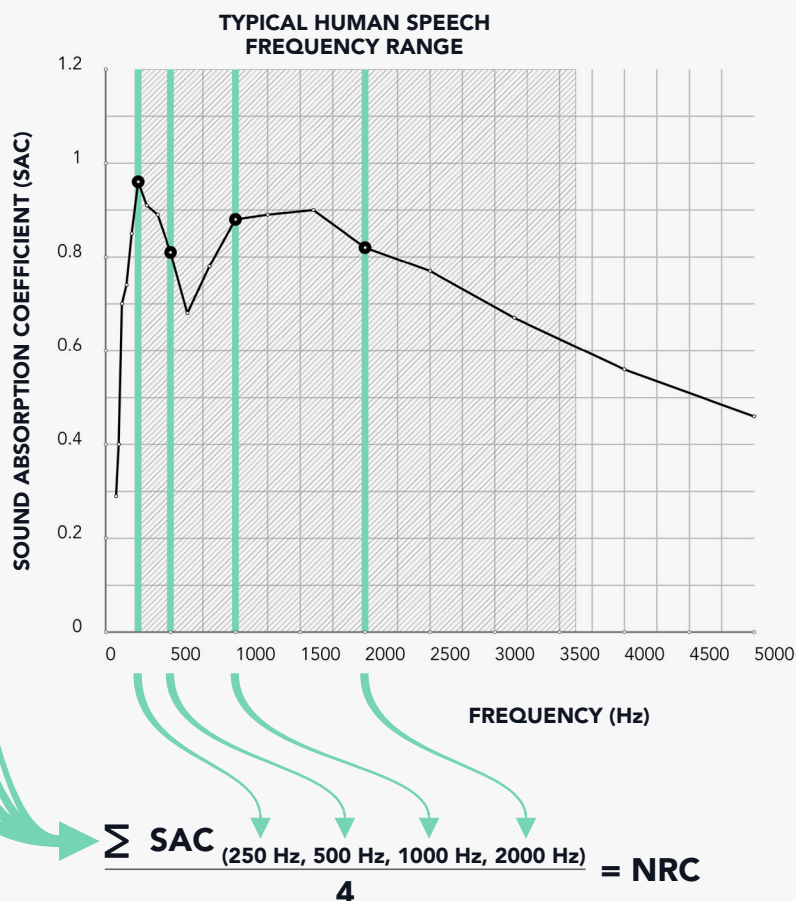


# Acoustic Performance

Vapor® Pixel with 12mm Soft Sound® backer.

**TRUE NRC®** is Arktura's commitment to providing accurate and appropriate acoustic data for our products. It represents testing based on realistic conditions for the use of our products.

FREQUENCY (Hz)	SOUND ABSORPTION COEFFICIENT (SAC)
80	0.29
100	0.40
125	0.70
160	0.74
200	0.85
250	0.96
315	0.91
400	0.89
500	0.81
630	0.68
800	0.78
1000	0.88
1250	0.89
1600	0.90
2000	0.82
2500	0.77
3150	0.67
4000	0.56
5000	0.46



## Test Arrangements

Most popular application highlighted green.

### E300 Mounting Type - Ceiling - NRC: 0.85

In this mounting type, the specimen is an array of spaced sound absorbing panels suspended from a T-Grid system approximately 300mm (11.8") above the horizontal test surface, measured from the face of the panel. This approximates the mounting method of a typical ceiling panel installation. Panels were evenly distributed in a 2x4 arrangement 1/16" apart in all directions.

### F70 Mounting Type - Wall - NRC: 0.80

In this mounting type, the specimen is separated from the horizontal test surface 70mm (2.87") from the back of the panel with spacers. This is intended to simulate normal use of the product with the Vertika® wall mount system.

### F150 Mounting Type (Soft Sound® Material Only) - NRC: 0.90

In this mounting type, the specimen is separated from the horizontal test surface 150mm (5.90") from the back of the panel with spacers. This is intended to simulate the raw material using spacers or spacing clips.

*i* Acoustic performance can vary widely based on how a product is mounted. Learn more about acoustic performance and how NRC is calculated at True NRC®. Testing was conducted through Intertek, Lake Forest, CA per ASTM C423.

**True NRC®: 0.85**

SAA: 0.84

Test Results for Ceiling Install with E300 Mounting Type

ACOUSTIC  
TESTING  
ASTM C423

## Definitions

**Sound Absorption Coefficient** describes the fraction of the incident sound energy that a material absorbs. Theoretically it can vary from 0 (no energy absorbed) to 1.0 (perfect absorption with all incident sound energy absorbed.)

**NRC (Noise Reduction Coefficient)** rating is the average of the sound absorption coefficients at 250, 500, 1000 and 2000 hertz. The average is rounded to the nearest multiple of 0.05.

**SAA (Sound Absorption Average)** rating is the average of the sound absorption coefficients at an octave range of 12 frequencies ranging from 200 to 2500 hertz. The average is rounded to the nearest multiple of 0.01.



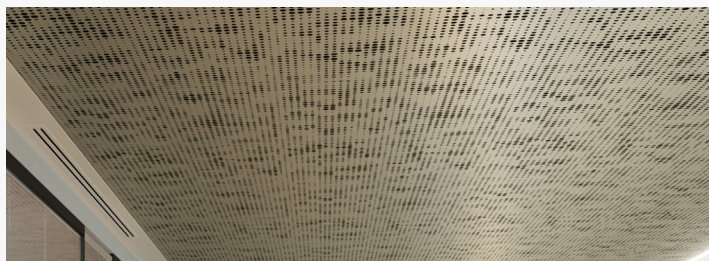
# Product Line

## Design Options

Vapor® offers a growing library of metal panels in preconfigured seamlessly tileable patterns that can also be mixed and matched as desired. For additional acoustic performance, take a look at our Soft Sound® faced VaporSoft®.



VAPOR® TRAIL



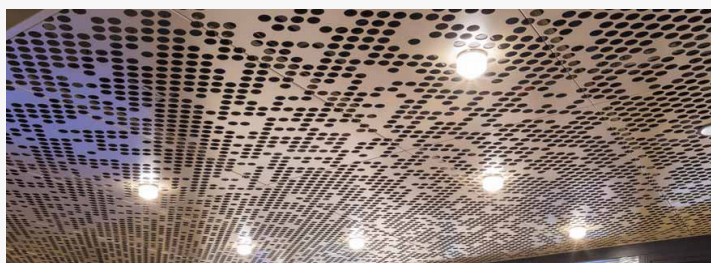
VAPOR® PIXEL



VAPOR® CUMULA



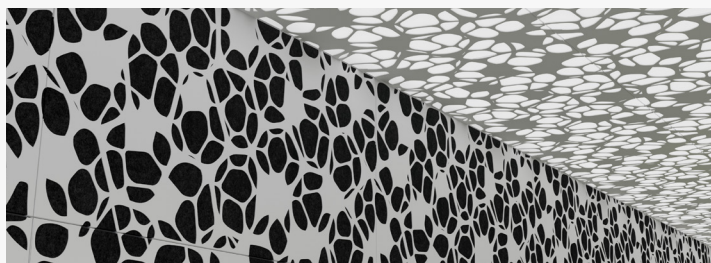
VAPOR® BYTE



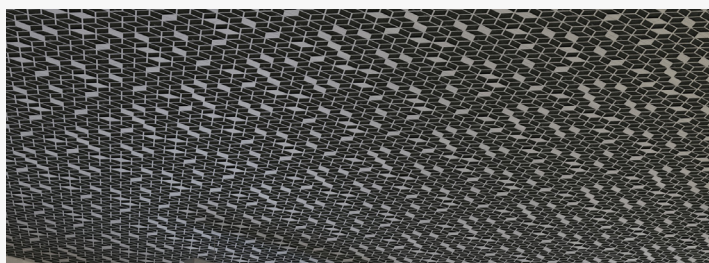
VAPOR® CLUSTER



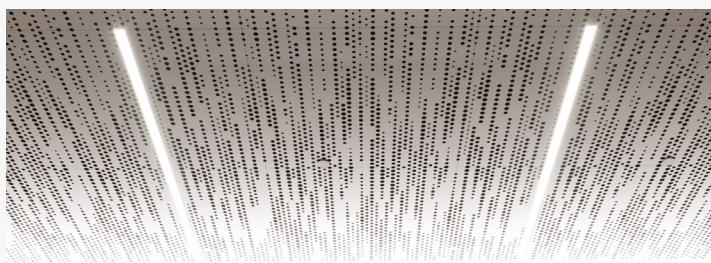
VAPOR® SYNTAX



VAPOR® SHIFT



VAPOR® CORA



VAPOR® FREQUENCY

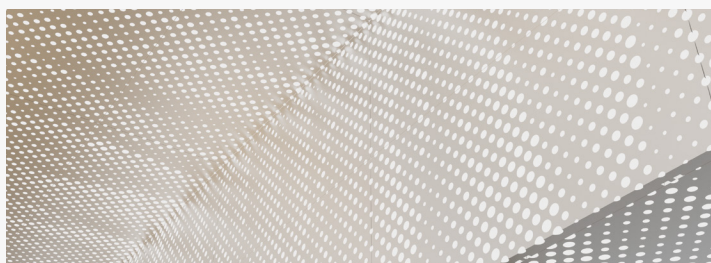


VAPOR® LIANA

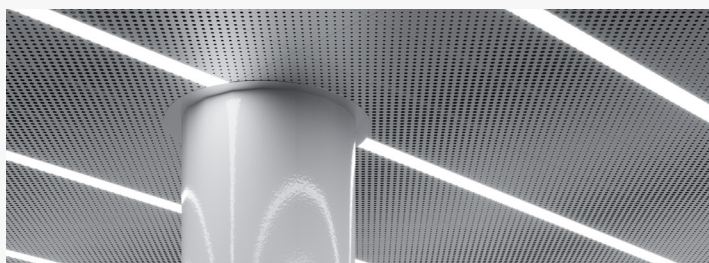


# Product Line

## Design Options



VAPOR® SKY



VAPOR® GRADIENT



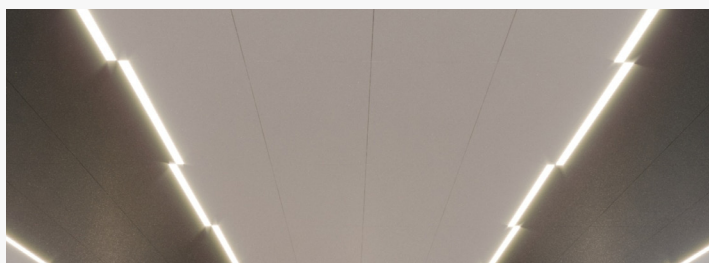
VAPOR® ELEMENT



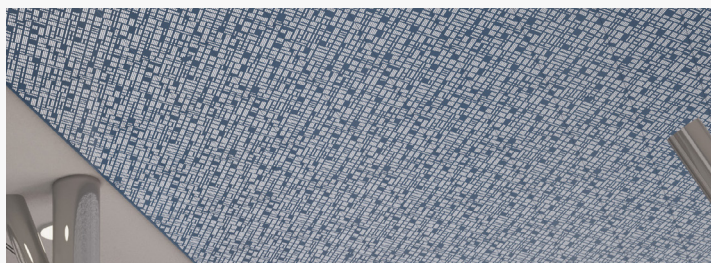
VAPOR® BLOOM



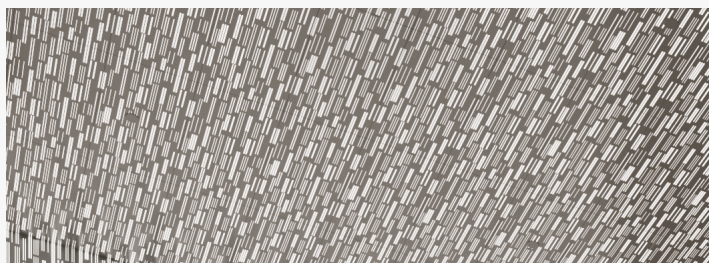
VAPOR® BREEZE



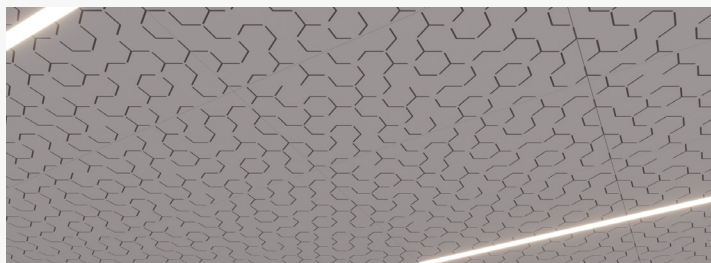
VAPOR® SOLID



VAPOR® TRANSIT



VAPOR® VERVE



VAPOR® BOND