



A R K T U R A

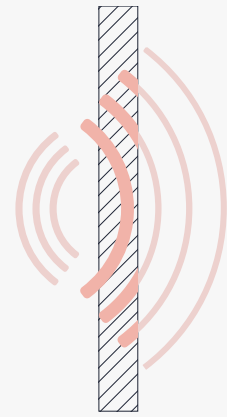
Vapor[®] Syntax



Ceiling & Wall **Panels**

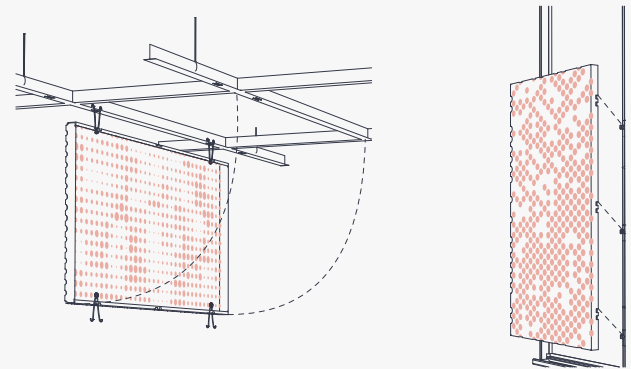
Our Key Features

Vapor® Syntax powder-coated aluminum torsion spring panels bring the digital world to your design. The staggered pattern ensures each panel flows smoothly into the next for an uninterrupted pattern. If you are looking for more illumination, try adding our integrated lighting backer. Or if you want more acoustic benefits, try adding our Soft Sound® backer instead.



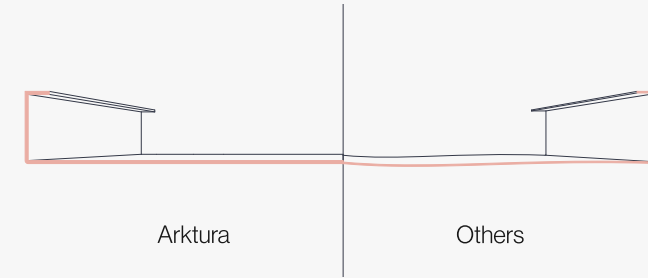
Reduce Noise & Enhance Acoustics

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.



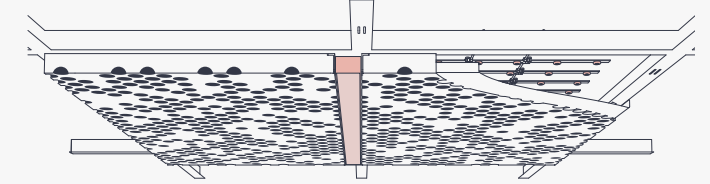
Easy Installation & Access

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



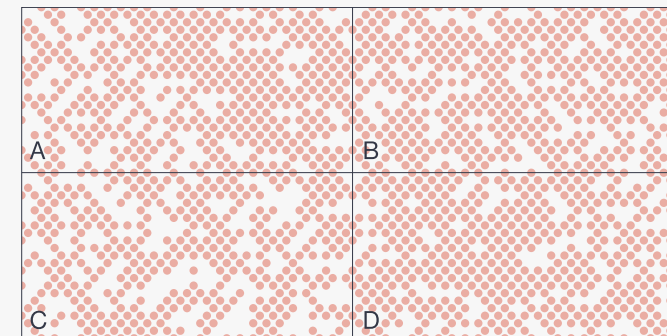
Superior Flatness & Strength

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.



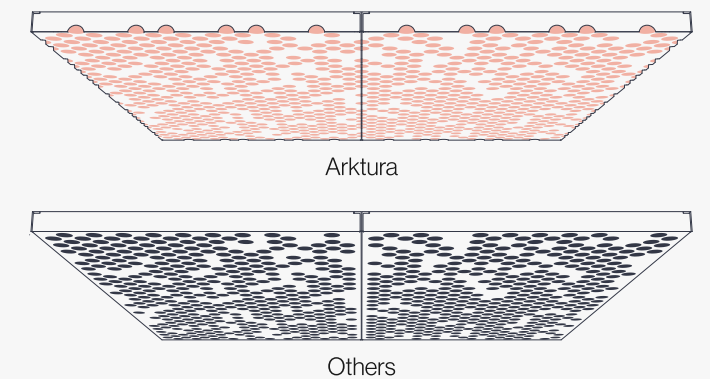
Integrated Lighting Options

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



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.



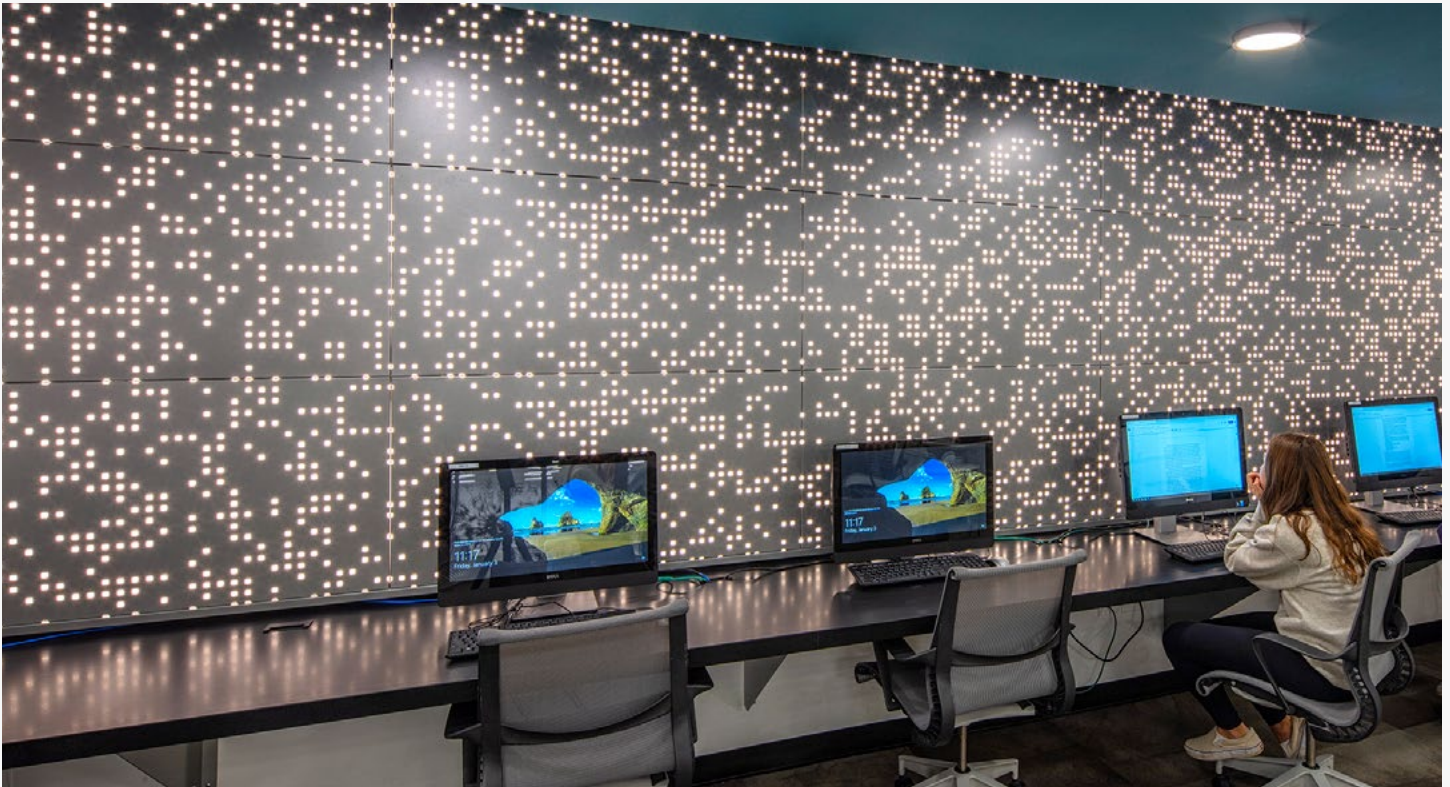
Continuous Pattern Aesthetic

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



Scan the QR or Click to Learn More about Vapor®

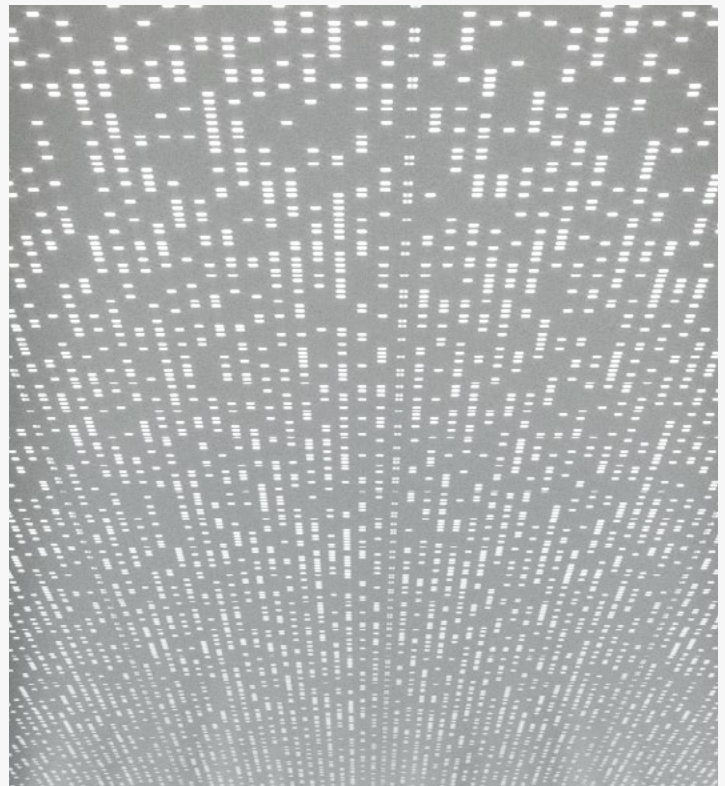
Inspiration



Create an Eye-Catching Wall Feature



Illuminate your Space with Arktura Backlighting



Control Noise with Soft Sound® Backers

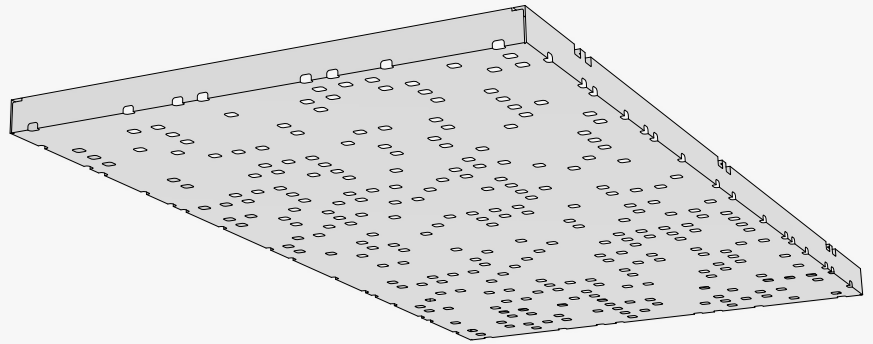
Overview

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

1 Understanding the System

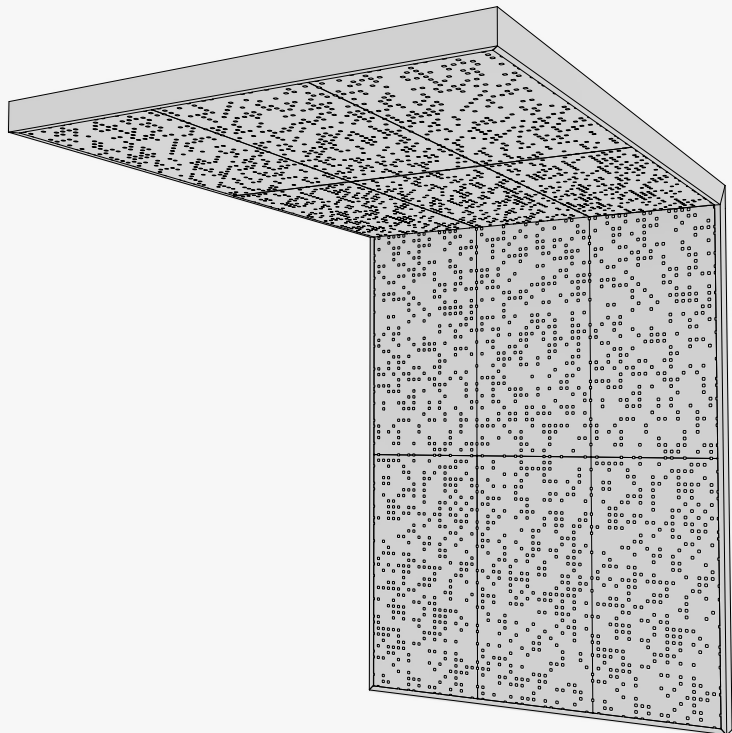
Standard Panel

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.

- Panel A: 6% Open
- Panel B: 7% Open
- Panel C: 7% Open
- Panel D: 7% Open

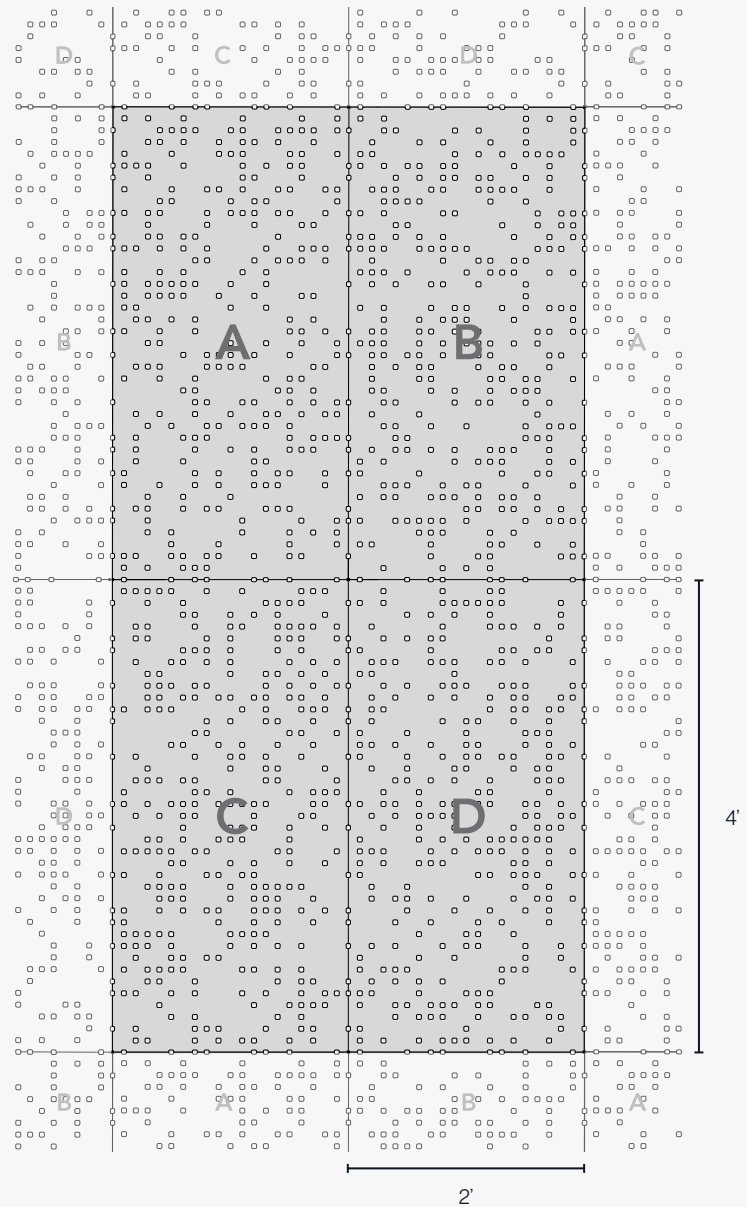
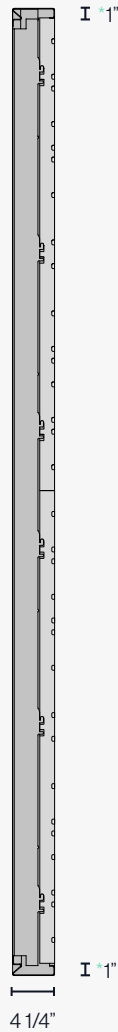
*Vertika® Trim

Ceiling Section



Panel Configuration, Wall or Ceiling

Wall Section



! All dimensions nominal.

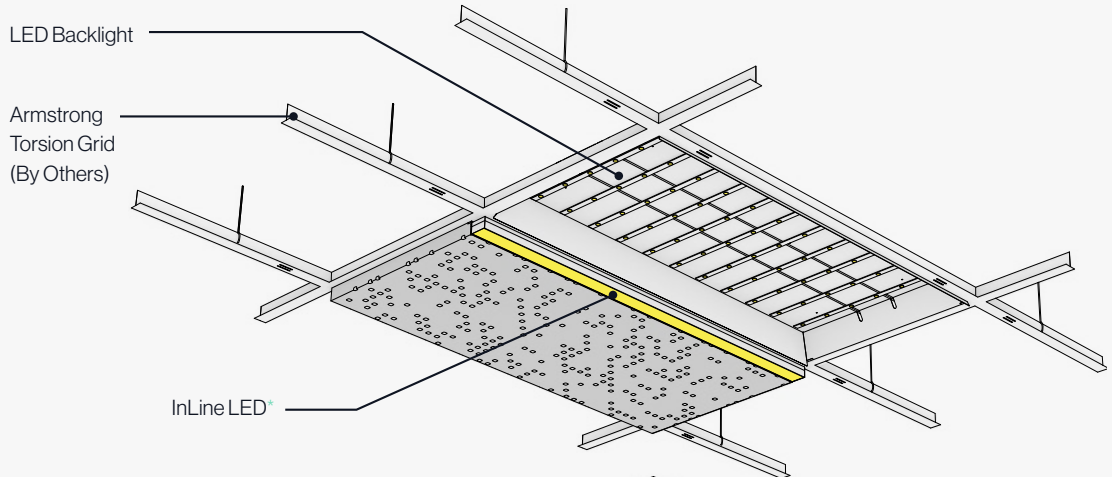
1 Understanding the System

Accessory Options - Ceiling

- Frosted light diffusing backer
- 1/2" acoustic backer
- Backlight
- InLine downlight

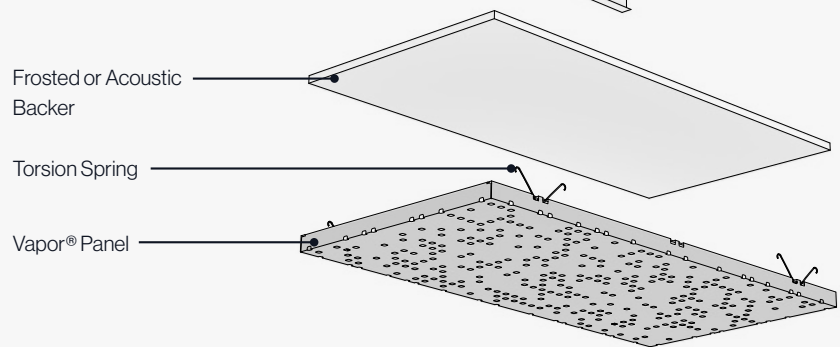
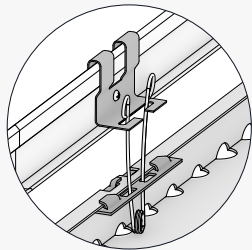
i Check out our Configuration examples on PAGE 10.

* A Specific Inline light panel is used to accommodate the width of the fixture within the 2' width.



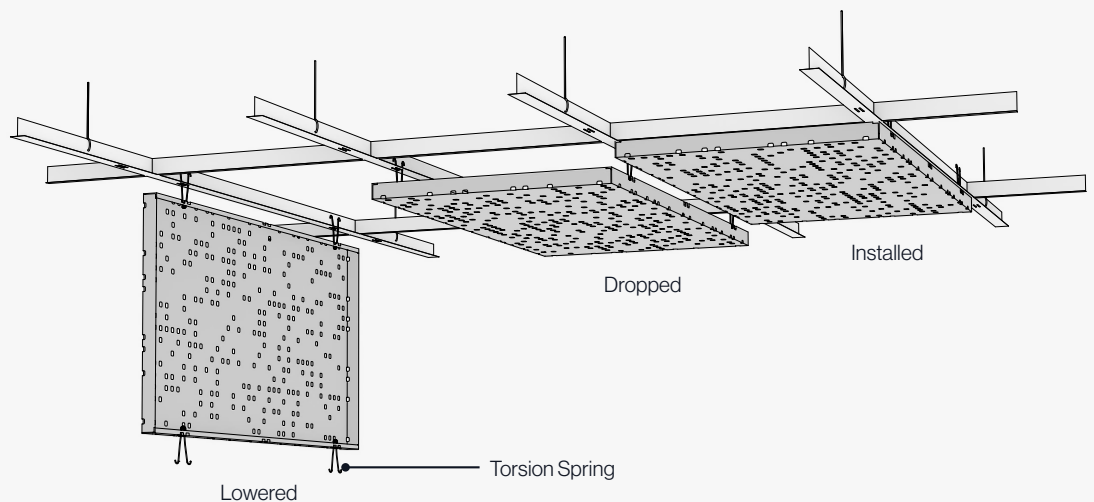
Torsion Spring Adapter Clip

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.



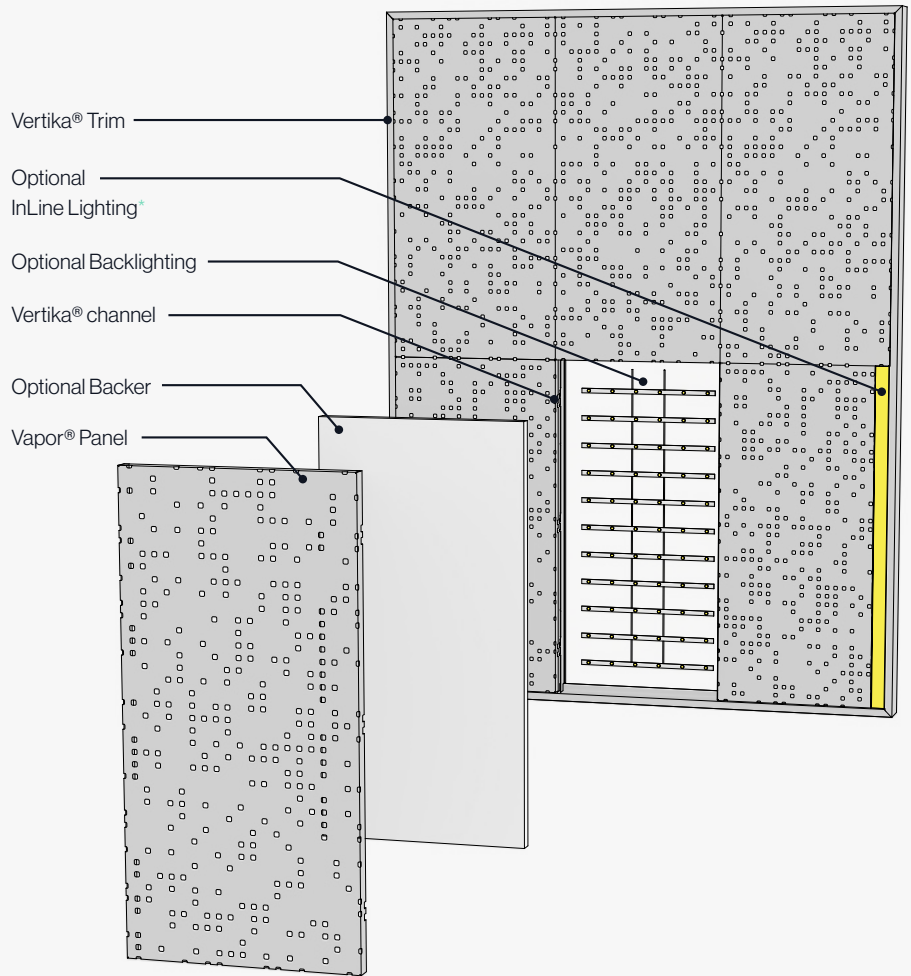
1 Understanding the System

Accessory Options - Wall

- Frosted light diffusing backer
- 1/2" acoustic backer
- Backlight
- InLine light

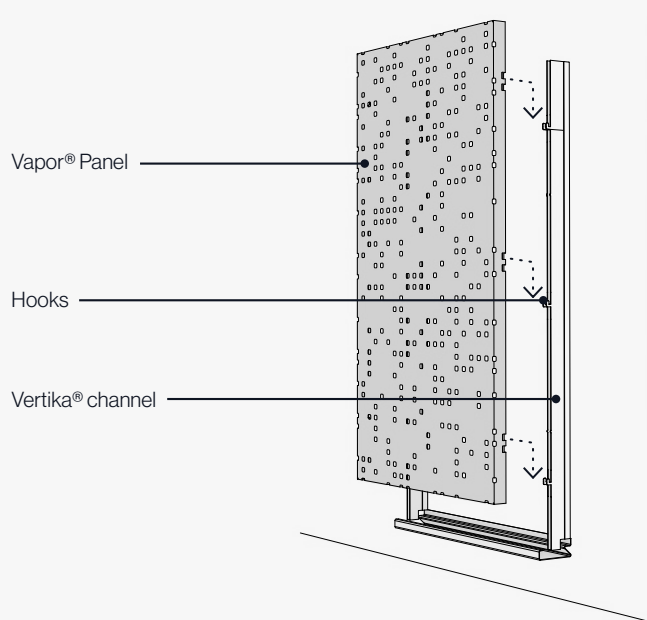
i Check out our Configuration examples on PAGE 10.

* A Specific Inline light panel is used to accommodate the width of the fixture within the 2' width.



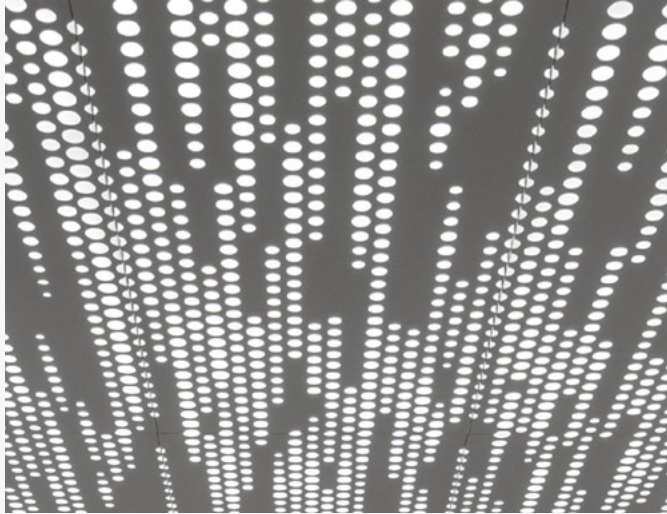
Attachment System - Wall

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



2 Optional Accessories

Lighting



Backlighting

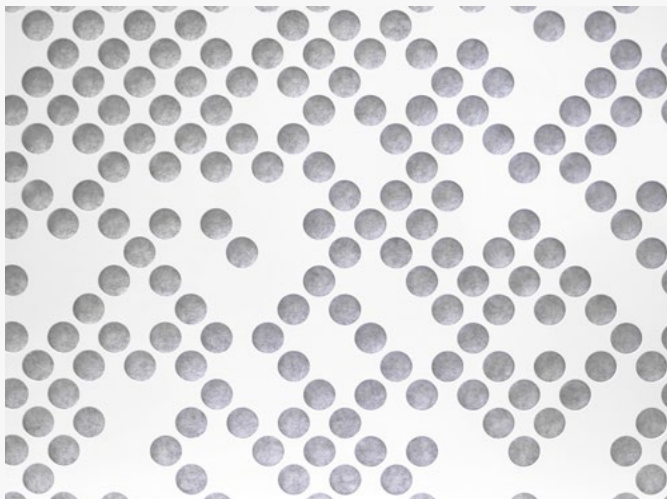
Arkтура Backlighting allows you to fully illuminate your ceiling and wall panel installs, creating beautiful evenly lit surfaces. These fixtures are available in high and low output versions, both dimmable. See Backlighting specs details on PAGE 14.



InLine Lighting

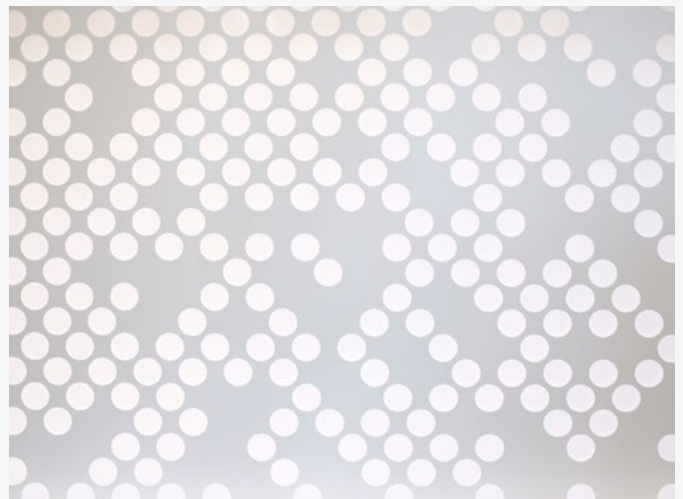
Our InLine Light sits flush with the face of the panels while conveniently attaching to the bottom of the grid. The fixture is available in 4' and 8' lengths. A special side-light Vapor® panel allows the light to straddle its 4' edge while staying within a 24" overall width. See Inline Lighting specs details on PAGE 16.

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.

① Illustrative images. Patterns may not match the product.

① Lighting powered by Arkтура Driver. Refer to installation manual or contact your rep for more info.

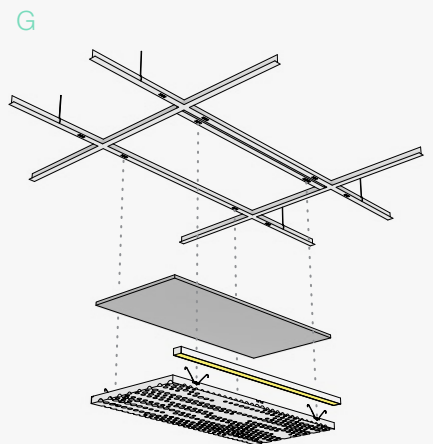
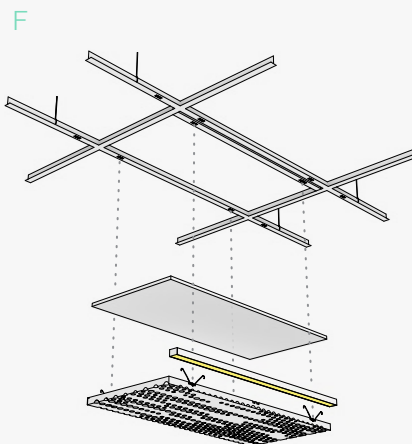
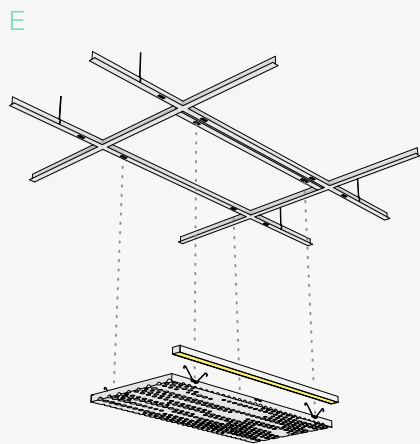
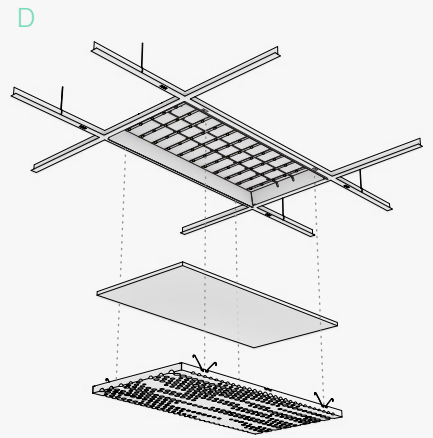
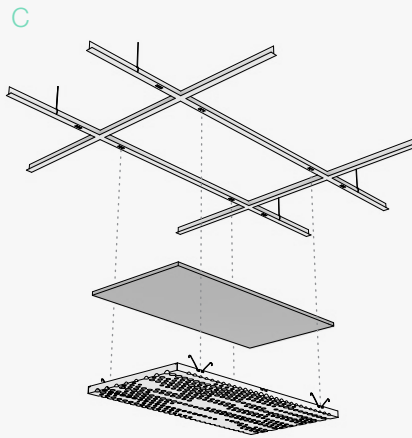
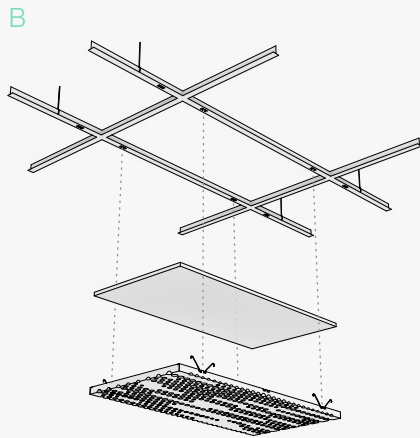
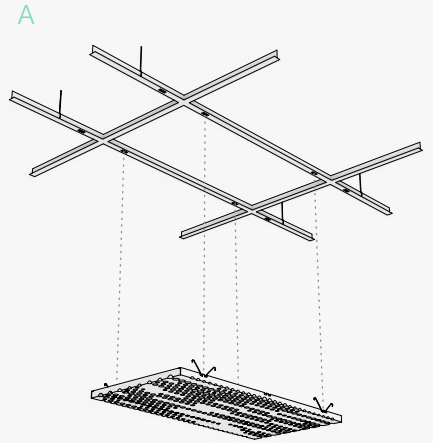
2 Optional Accessories

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

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



i Illustrative diagrams. Patterns may not match the product.

3 Available Finishes

Aluminum Panel

Powder Coat Standard Finish

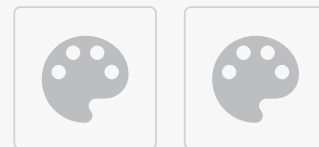


Powder Coat Premium Metallic Finish



Custom Powder Colors

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

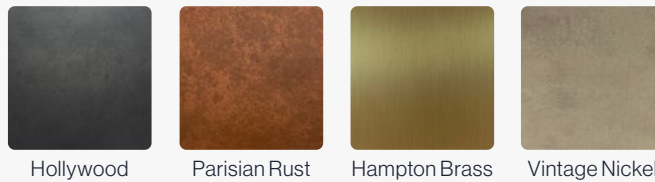


Non-stock RAL

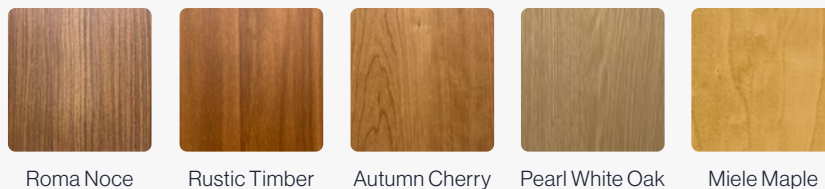
Non-stock Metallic

Premium Finish x PURE+FREEFORM

Patinas



Wood Texture



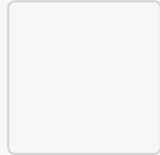
* This color was designed to pair with Armstrong color "WH" grid and trim.

ⓘ All premium and standard finishes shown are designed for interior specifications. Products may be specified for exterior use, and with all treatments required by local code or facility, including custom color match or specialty finishes. Any changes to specification from interior standard or interior premium will result in a custom powder coat fee.

3 Available Finishes

Optional Translucent Backer

Polycarbonate
Available in interior and UV stable exterior options.



Frosted

Optional Soft Sound® Backer

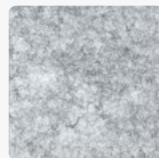
Soft Sound®
Color Group A
Standard



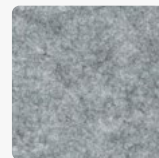
White



Snow



Marble



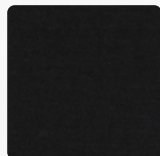
Heather Gray



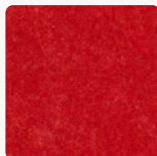
Graphite



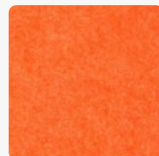
Carbon



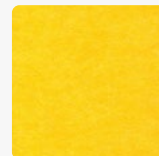
Onyx



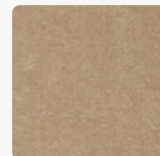
Apple



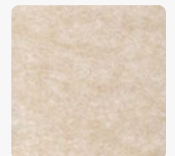
Tangerine



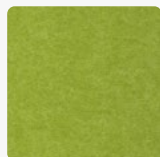
Lemon



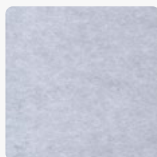
Taupe



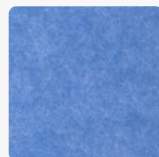
Sand



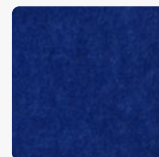
Kiwi



Whisper



Sky Blue



Denim

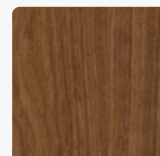
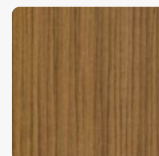
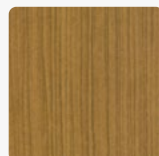
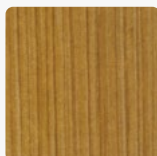
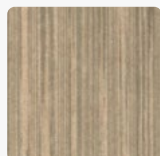
Soft Sound®
Wood Texture
Premium

i 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

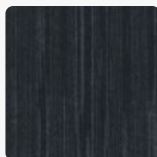
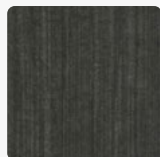
American Walnut

Charred Oak

Core



Face



Charred Ash

Ebony

! 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. Arktura 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 & Certifications

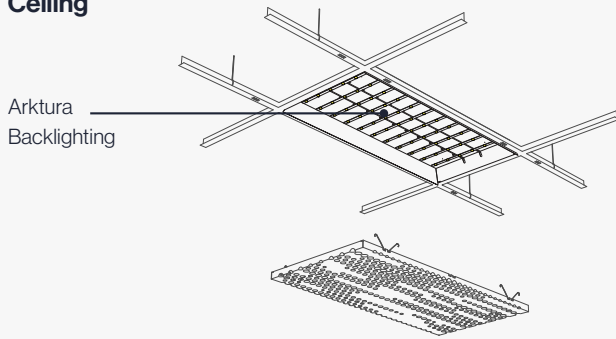
System Specs

Panel Size (WxHxD)	2' x 4' x 1 1/2"
Material	Aluminum
Openness in Plan	6%
Fire Rating	ASTM E84 - Class A
Acoustics (with optional Soft Sound® backer)	True NRC® 0.65: Ceiling ; E-300 Method True NRC® 0.65: Wall ; F-70 Method
Ceiling Attachment	Torsion Grid (By Others)
Wall Attachment	Vertika® Wall (Refer to Vertika® Brochure)
Accessibility	Torsion Spring Hinge
Trimmability	Yes, per installation manual
Optional Accessories	Acoustic Backer, Translucent Backer, Backlight, InLine Light, Torsion Spring Adapter Clip

Arktura Backlighting Specs

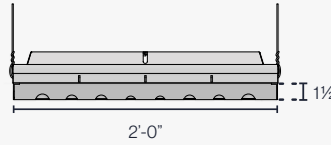
Available in dimmable low and high output variations, gives you the power to illuminate spaces and create dynamic visual effects.

Ceiling

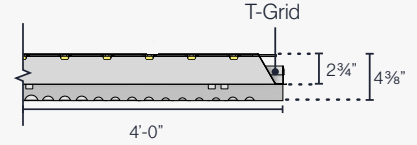


Sections - Ceiling

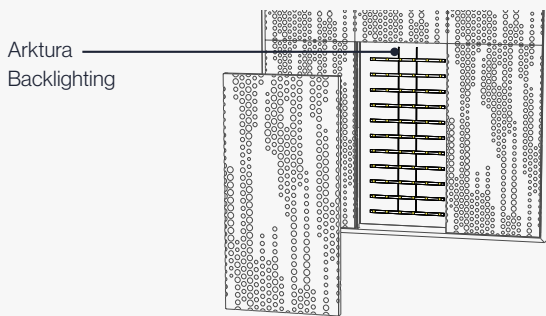
Front view



Side view

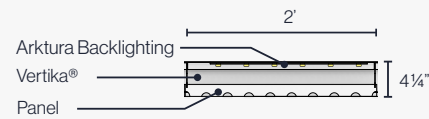


Vertika® Wall

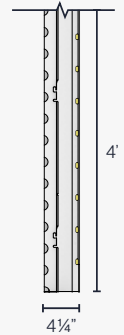


Sections - Wall

Top view



Side view



Specs

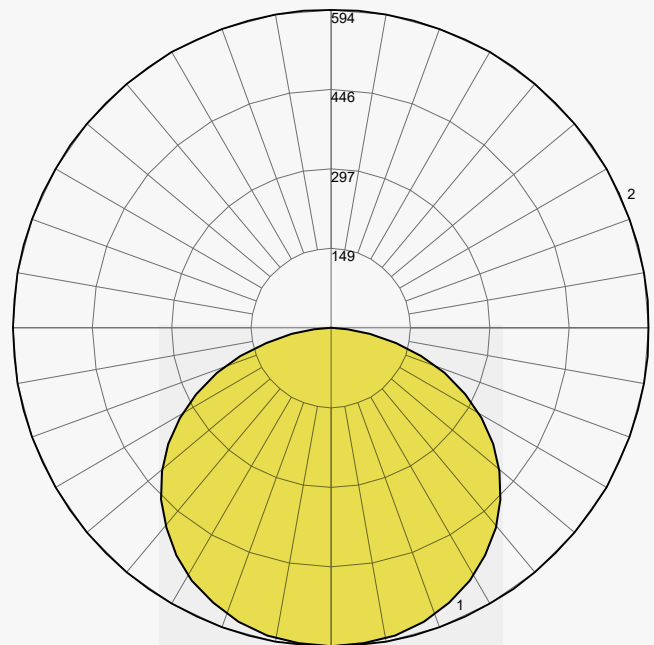
Product Features	Arktura Backlighting Eco 2x4 Panel	Arktura Backlighting 2x4 Panel
Power Consumption	18W 24VDC .75A	65W 24VDC 2.7A
Delivered Lumens	Please Reference Next Page for Specific Openness by Pattern	
CRI	90+	
Color Temperatures	3000K, 3500K, 4000K	
Size (LxWxD)	24"x48"x3 1/4"	
Optics/Beam Angle	160° Batwing Lens Per LED	
Operating Temperature	-20C - +50°C (-4F - +122°F)	
Dimming Options	TRIAC/Phase, ELV, MLV, 0-10V, 1-10V When Paired with Arktura LED Driver	
Cable	Factory Installed Plenum Rated CL3P Cable, 16AWG 10ft Whip	
IP Rating	IP64	
Environment	Suitable for Wet, Damp or Dry locations	
Markings	ETL Listed, Complies with UL 2108 & CSA C22.2#250.13:2020 Ed.4+U1	
Lifetime	L70 - 50,000 hours	
Warranty	5 Years, Limited	

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.)



* Represents a 40% Openness Pattern.

i Illustrative images. Patterns may not match the product.

Arktura Backlighting % Open & Lumen Output

Product	% Open	18W Arktura Backlight Eco Lumen Output	65W Arktura Backlight Lumen Output
Vapor® Cora	68%	1076	3359
Vapor® Bloom	20%	361	1105
Vapor® Breeze	23%	411	1265
Vapor® Byte	5%	105	263
Vapor® Cluster Dense	40%	678	2126
Vapor® Cluster Sparse	10%	192	551
Vapor® Cumula	17%	311	942
Vapor® Element 605	6%	123	321
Vapor® Element 3212	32%	555	1731
Vapor® Frequency	17%	311	942
Vapor® Liana	17%	311	942
Vapor® Gradients	17%	311	942
Vapor® Sky	19%	345	1051
Vapor® Pixel	19%	345	1051
Vapor® Syntax	6%	123	321
Vapor® Trail	24%	427	1318
Vapor® Shift X	52%	855	2682
Vapor® Transit	10%	192	551
Vapor® Bond	7%	140	379
Vapor® Verve	14%	261	776
VaporSoft® Cluster Dense	40%	678	2126
VaporSoft® Cora	68%	1076	3359
VaporSoft® Trail	24%	427	1318
VaporSoft® Cluster Sparse	10%	192	551

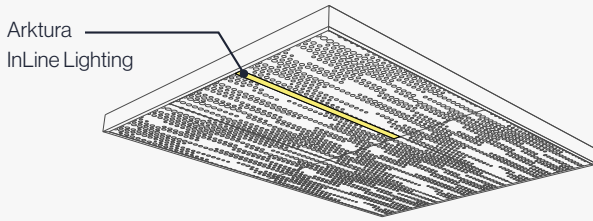
Product	% Open	18W Arktura Backlight Eco Lumen Output	65W Arktura Backlight Lumen Output
Trace® Curved	68%	1076	3359
Trace® Slide	9%	175	494
Trace® Skew	62%	995	3114
Trace® Slant	43%	723	2269
Trace® Straight	55%	898	2815
Particle® Ion	24%	427	1318
Particle® Code	9%	175	494
Particle® Phase	24%	427	1318
Particle® Fuse	24%	427	1318
VaporHue™ Astra	14%	261	776
VaporHue™ Flora	17%	311	942
VaporHue™ Link	7%	140	379
VaporHue™ Pop	40%	678	2126
VaporHue™ Stitch	7.5%	149	408
Delta Drop® 2x4 Full Pattern	12%	227	664
Delta Drop® 2x4 Half Pattern	7%	126	341
Delta Drop® 4x4 Full Pattern*	14%	522	1552
Delta Drop® 4x4 Half Pattern*	7%	252	628

* Delta Drop® 4x4 shown with two Light Fixtures per panel.

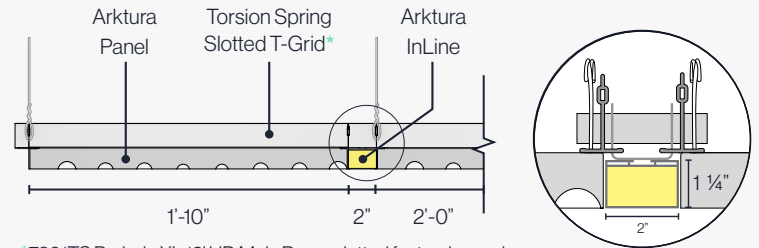
Arktura InLine Lighting Specs

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

Ceiling

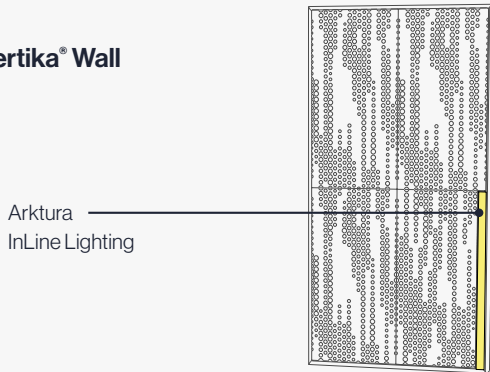


Elevations - Ceiling

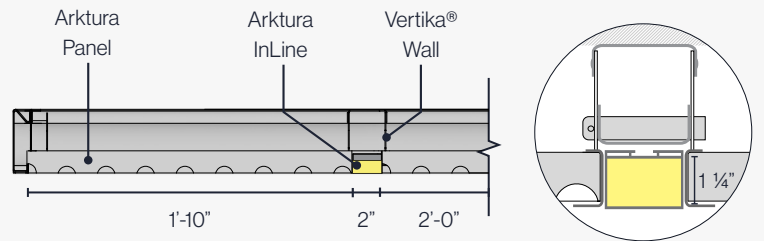


*7301TS Prelude XL 12' HD Main Beam slotted for torsion spring.

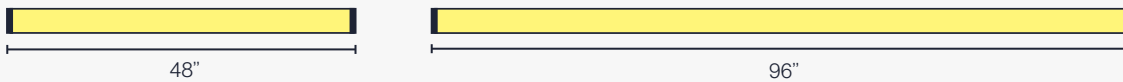
Vertika® Wall



Top View - Wall



Side - Length Options

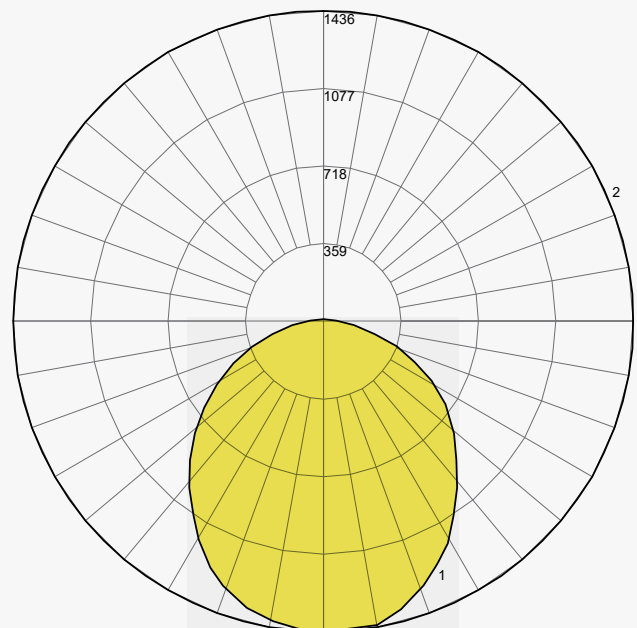


Arktura InLine System

Description	W/ft	Fixture Watts	lm/ft	Fixture Lumens	LM/W*
Arktura InLine Eco 4FT	5	20	525	2100	114
Arktura InLine 4FT	10	40	1021	4084	110
Arktura InLine Eco 8FT	5	40	525	4200	114
Arktura InLine 8FT	10	80	1021	8150	110

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.)



Illustrative images. Patterns may not match the product.

* Estimated efficiency at 3500K 90CRI

Universal Specs

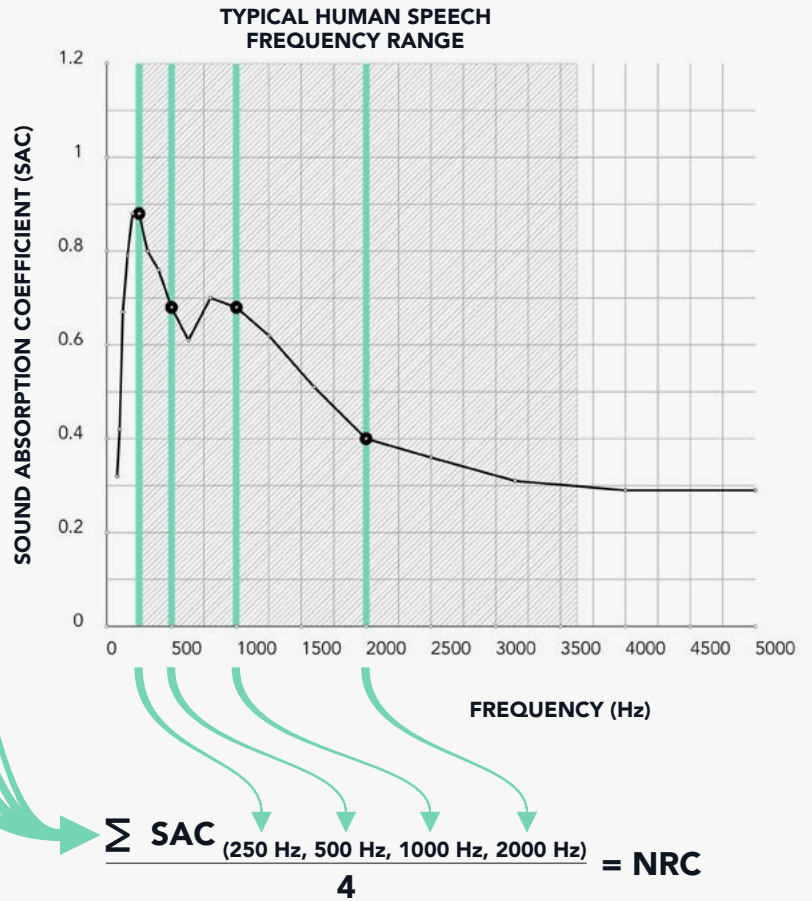
CRI	90+
Color Temperatures	3000K, 3500K, 4000K
Operating Temperatures	-20C - +50°C (-4F - +122°F)
Dimming Options	TRIAC/Phase, ELV, MLV, 0-10V, When Paired with Arktura LED Driver
Cable	Factory Installed Plenum Rated CL3P Cable, 18AWG 4FT Cable
Environment	Indoor Locations Only
Markings	ETL Listed, Complies with UL 1598 & CSA C22.2#250.0:2021 Ed.5
Lifetime	L70 - 50,000 hours
Warranty	5 Years, Limited

Acoustic Performance

Vapor® Syntax 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	0.32
100	0.42
125	0.67
160	0.79
200	0.88
250	0.88
315	0.80
400	0.76
500	0.68
630	0.61
800	0.70
1000	0.68
1250	0.62
1600	0.51
2000	0.40
2500	0.36
3150	0.31
4000	0.29
5000	0.29



Test Arrangements

Most popular application highlighted green.

E300 Mounting Type - Ceiling - NRC: 0.65

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: 0.65

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.

<p>True NRC®: 0.65</p> <p>SAA: 0.66</p> <p>Test Results for Ceiling Install with E300 Mounting Type</p>	<p>ACOUSTIC TESTING ASTM C423</p>
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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



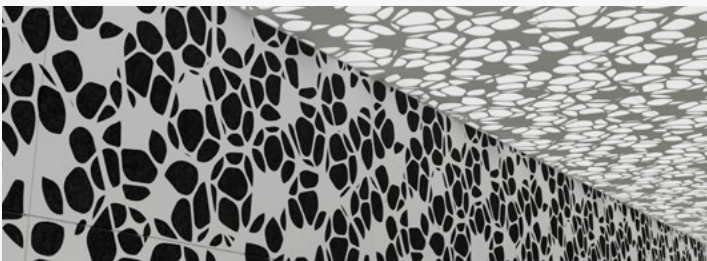
VAPOR® BYTE



VAPOR® CLUSTER



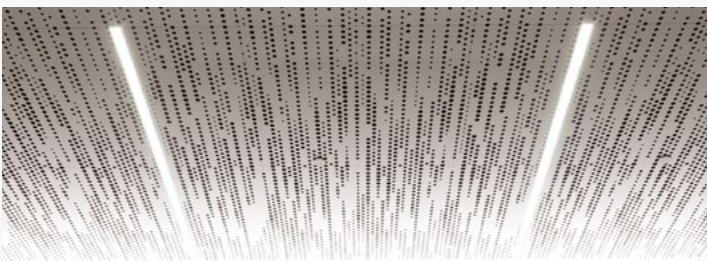
VAPOR® SYNTAX



VAPOR® SHIFT



VAPOR® CORA



VAPOR® FREQUENCY



VAPOR® LIANA

Product Line

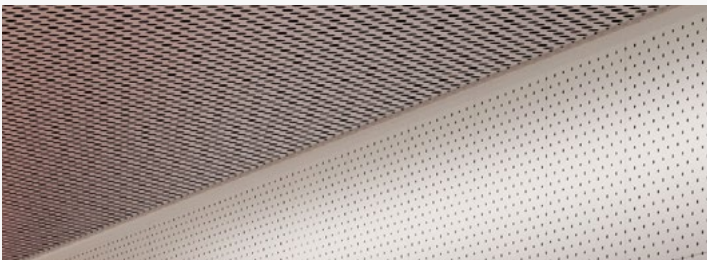
Design Options



VAPOR® SKY



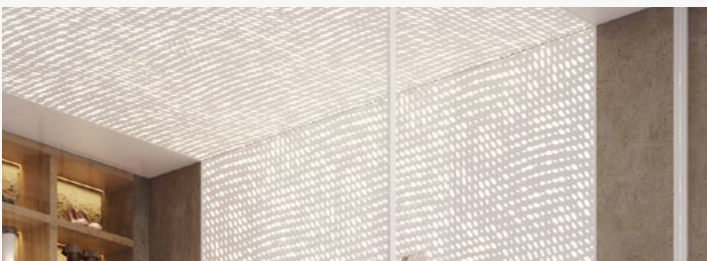
VAPOR® GRADIENT



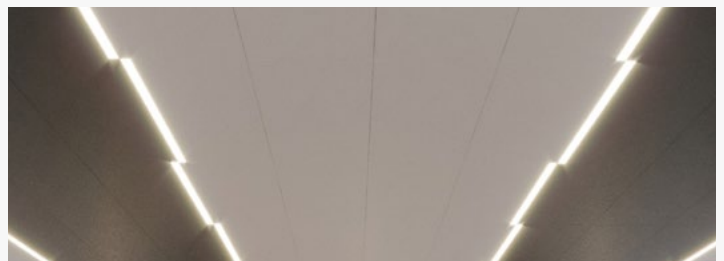
VAPOR® ELEMENT



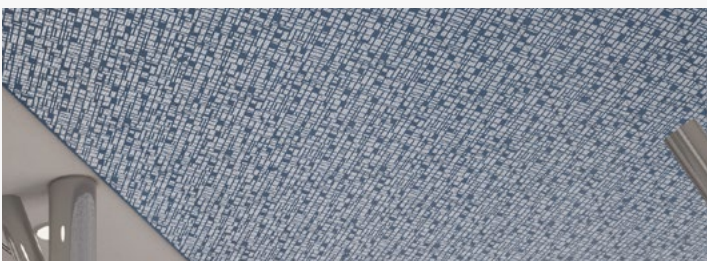
VAPOR® BLOOM



VAPOR® BREEZE



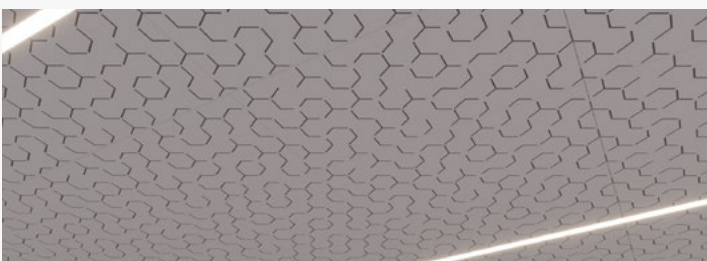
VAPOR® SOLID



VAPOR® TRANSIT



VAPOR® VERVE



VAPOR® BOND