



A R K T U R A

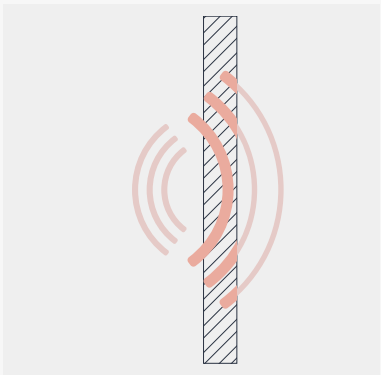
VaporSoft® Cluster



Ceiling & Wall **Panels**

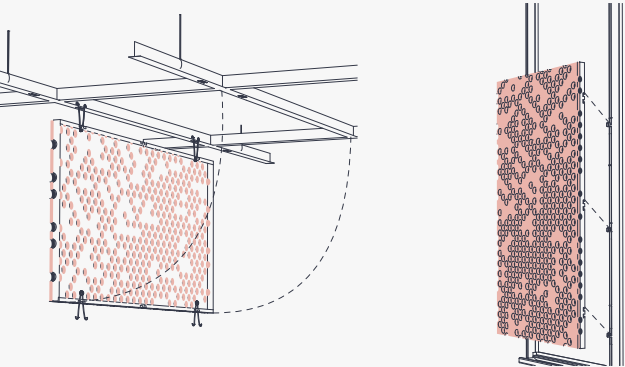
Our Key Features

Cluster has transformed perforated torsion spring panels into an elegant ceiling-scape. By staggering the location of the holes, we've upgraded a standard grid into an eye-catching design that will get viewers talking. Choose from two levels of perforation density: Cluster Dense and Cluster Sparse. Cluster is made from our Soft Sound® material to provide acoustic support, but if you want to really elevate your look, add our optional integrated backlighting. You'll get both acoustic control and a beautiful glow.



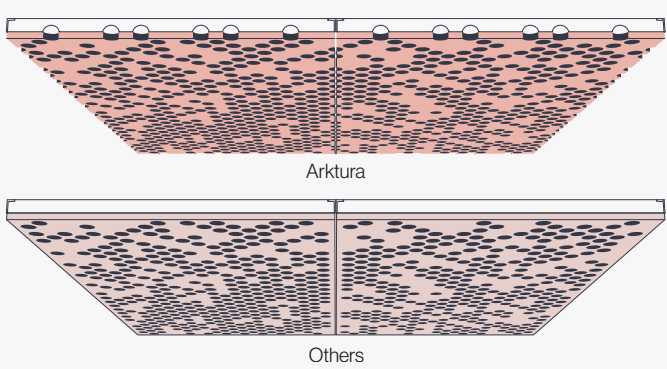
Reduce Noise & Enhance Acoustics

VaporSoft®'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.



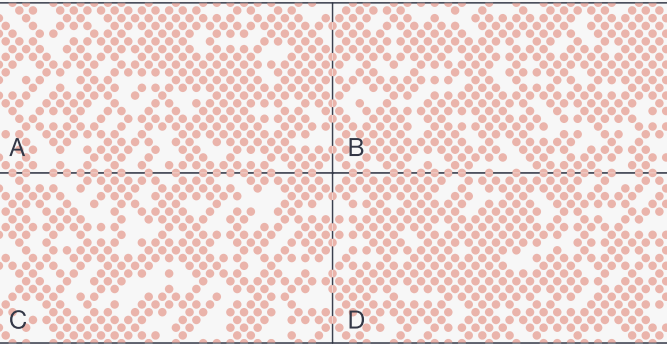
Easy Installation & Access

VaporSoft® panels offer easy install and access across walls and ceilings through quick torsion spring attachment to standard grid systems and a simple hook-on attachment to our Vertika® channel system.



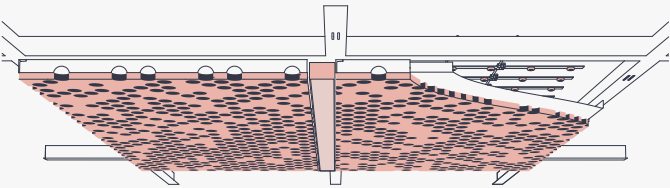
Uninterrupted Pattern Across Panels

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



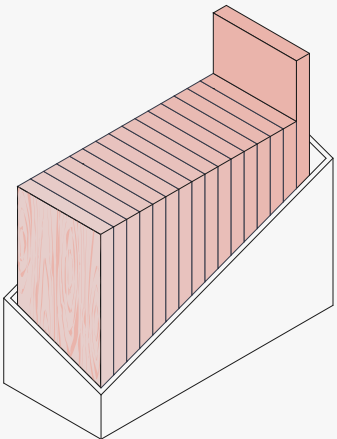
Preconfigured Solutions

VaporSoft® panels are preconfigured solutions designed with a dynamic array of criteria and effects in mind to provide a seamless result. Choose from our library of patterns to uniquely impact your project.



Achieve Acoustics & Lighting

Integrate illumination and lighting effects to your projects with Arktura's offering of lighting solutions such as InLine or Backlight.



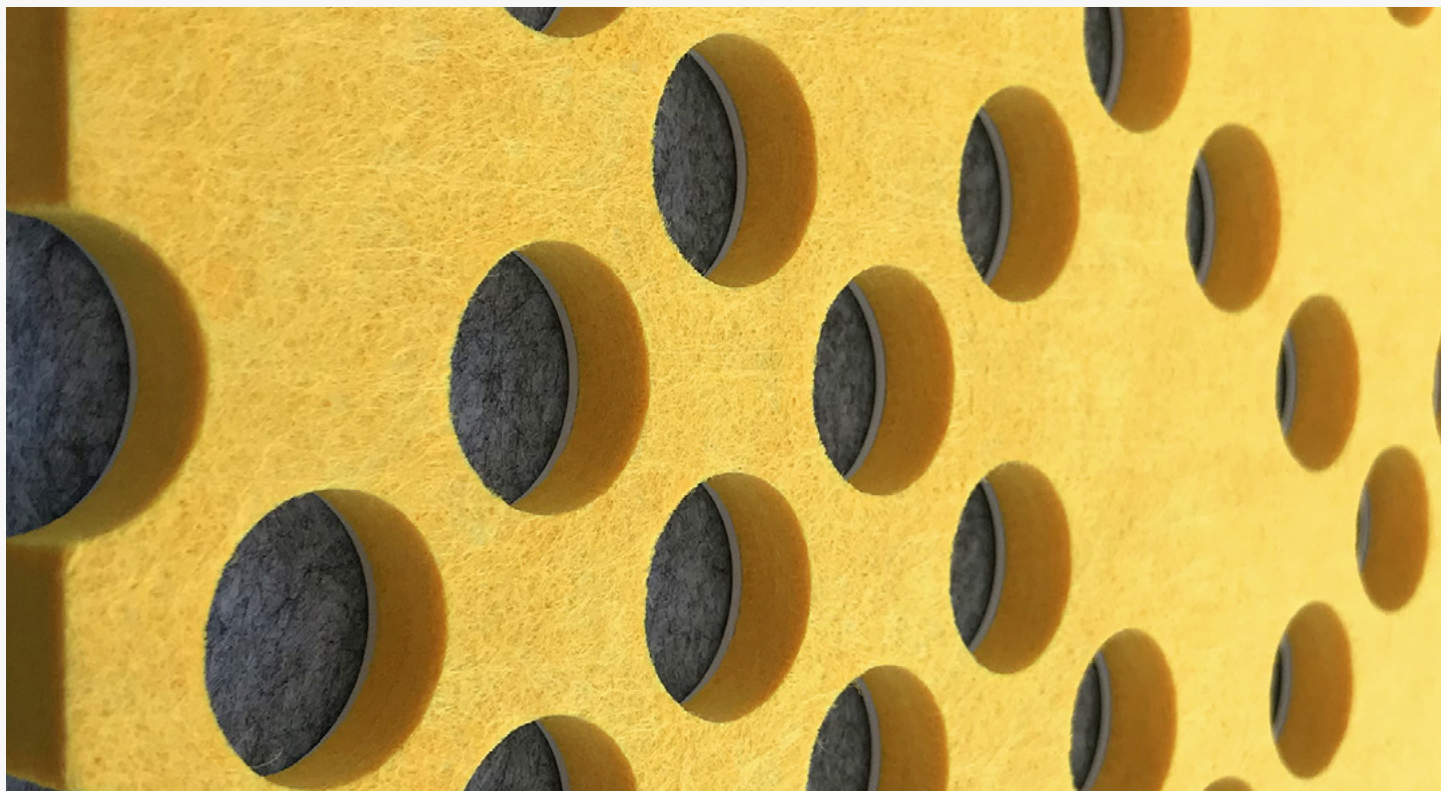
Expansive Color Library

Choose from a large library of Soft Sound® colors and wood textures. Mix and match colors to to accent fins and complement the color scheme of your space.



Scan the QR or Click to Learn More about VaporSoft®

Inspiration



Superior Acoustic Performance



Modular Panels Scale to Your Space

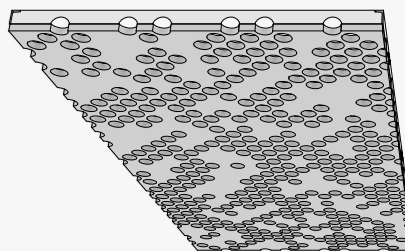
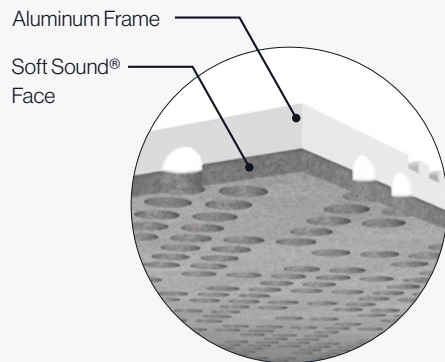
Overview

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

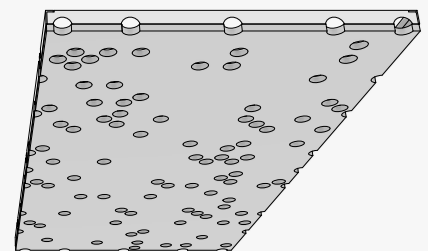
1 Understanding the System

Standard Panel

VaporSoft® is a modular accessible acoustic Soft Sound® faced aluminum panel system designed to work with a torsion grid.



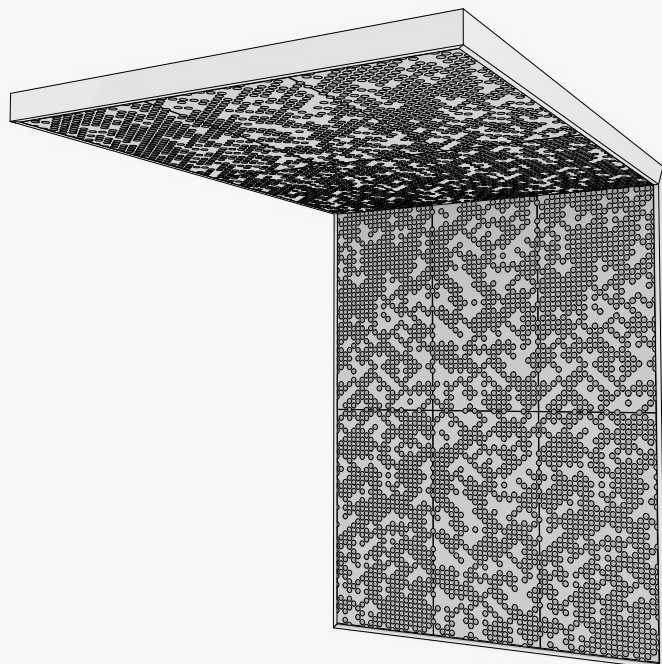
Vapor® Cluster Dense
40 % Open



Vapor® Cluster Sparse
10 % Open

Seamlessly Join Walls & Ceilings

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



1 Understanding the System

Understanding the Panel - Vapor® Cluster Dense

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

Panel A: 40% Open

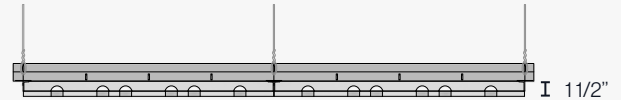
Panel B: 36% Open

Panel C: 42% Open

Panel D: 43% Open

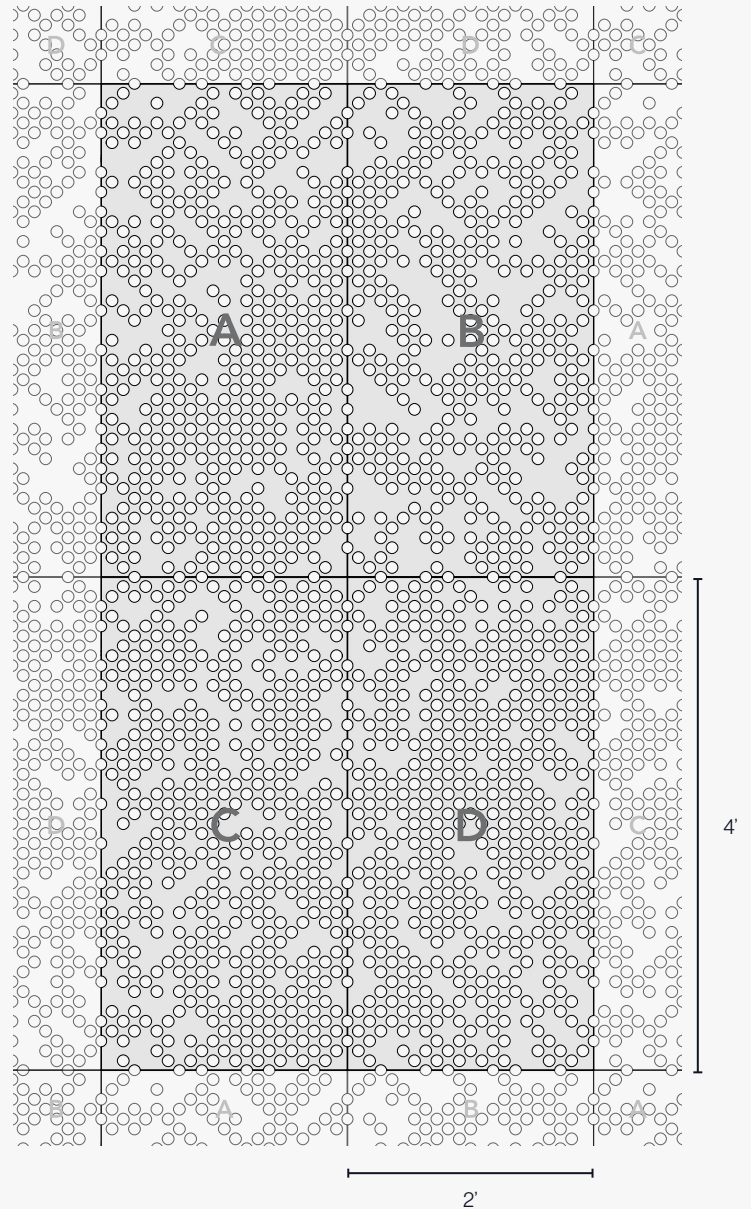
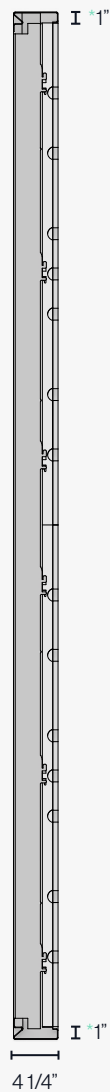
* Vertika® Trim

Ceiling Section



Panel Configuration, Wall or Ceiling

Wall Section



⚠ All dimensions nominal.

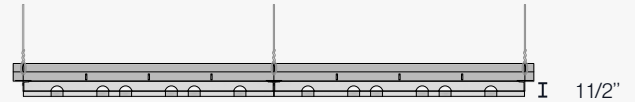
1 Understanding the System

Understanding the Panel - Vapor® Cluster Sparse

Panel A: 9% Open
 Panel B: 9% Open
 Panel C: 10% Open
 Panel D: 11% Open

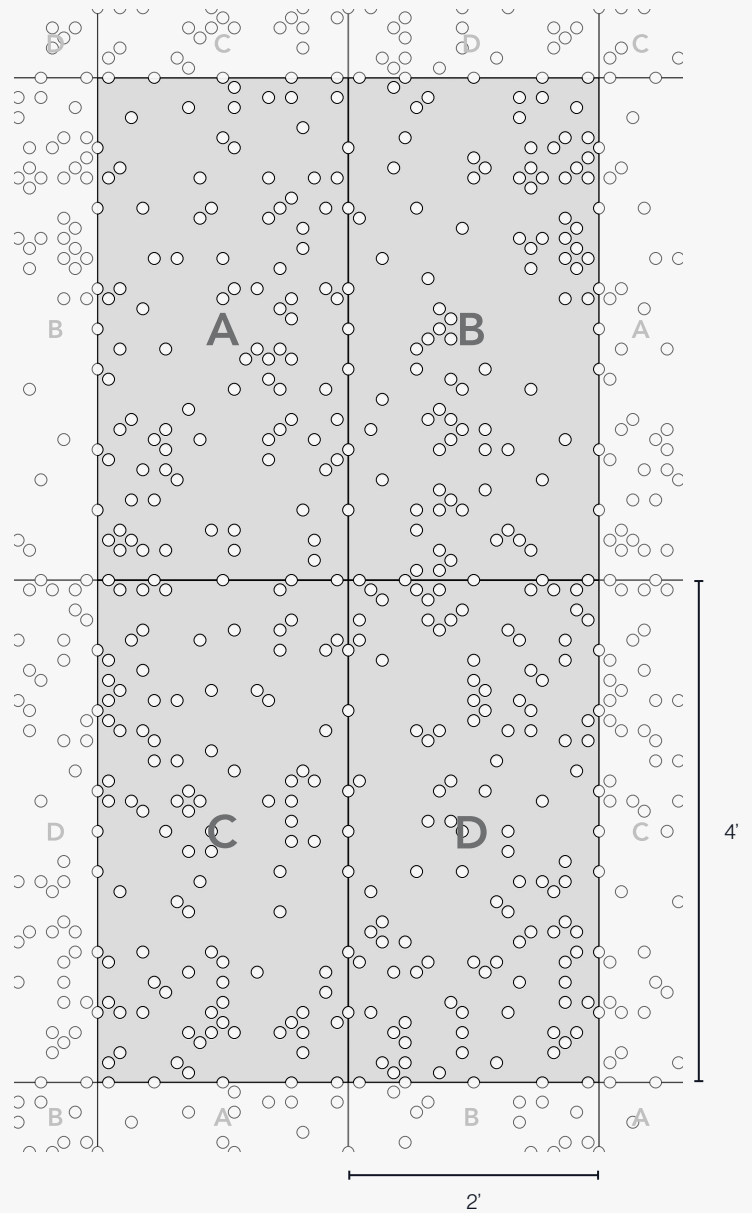
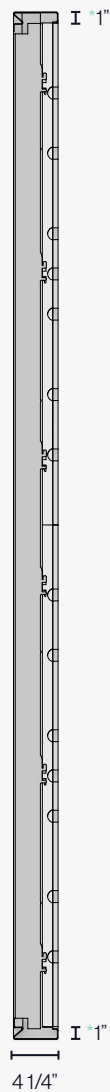
* Vertika® Trim

Ceiling Section



Panel Configuration, Wall or Ceiling

Wall Section



! All dimensions nominal.

1 Understanding the System

Accessory Options - Ceiling

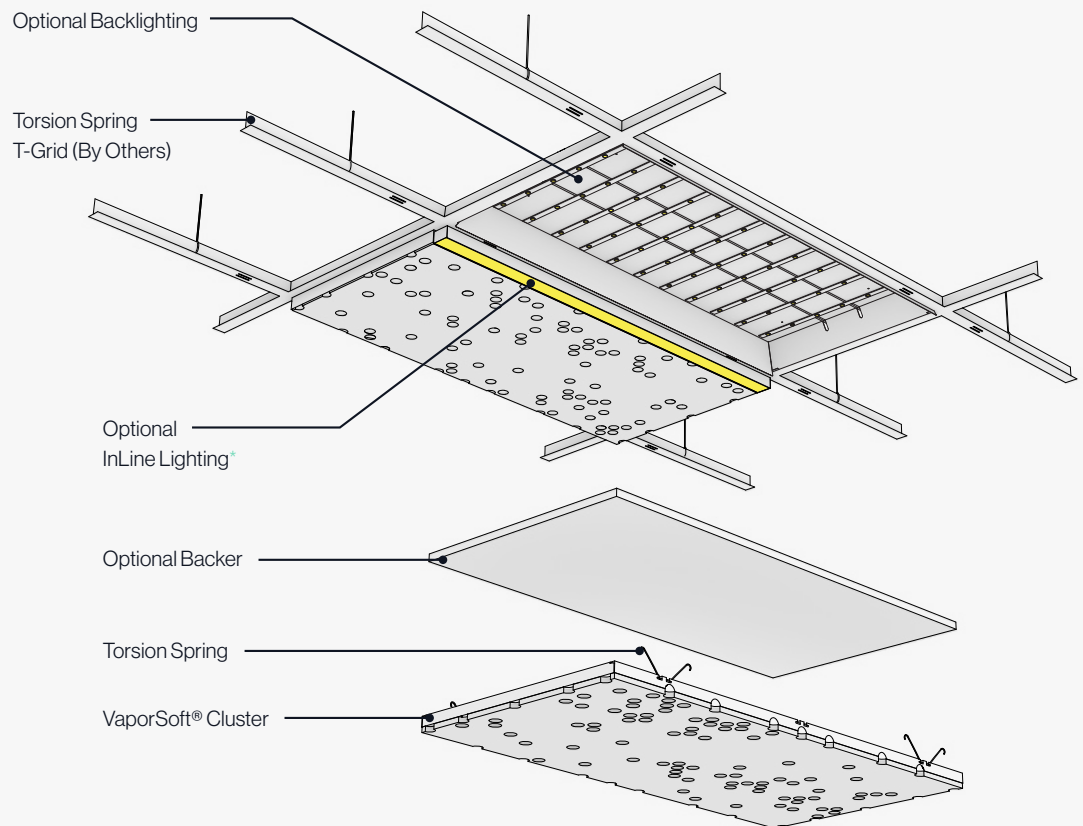
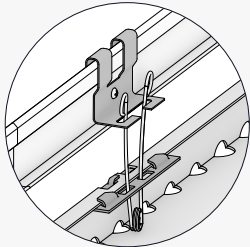
- Frosted light diffusing backer
- 1/2" acoustic backer
- Backlight
- InLine downlight

i Check out our Configuration examples on PAGE 11.

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

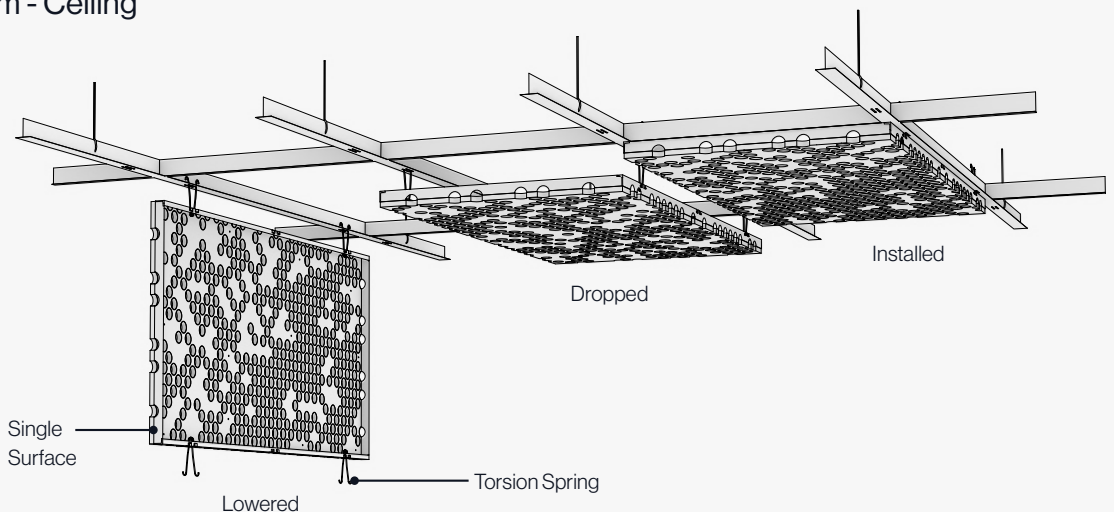
Torsion Spring Adapter Clip

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



Attachment System - Ceiling

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



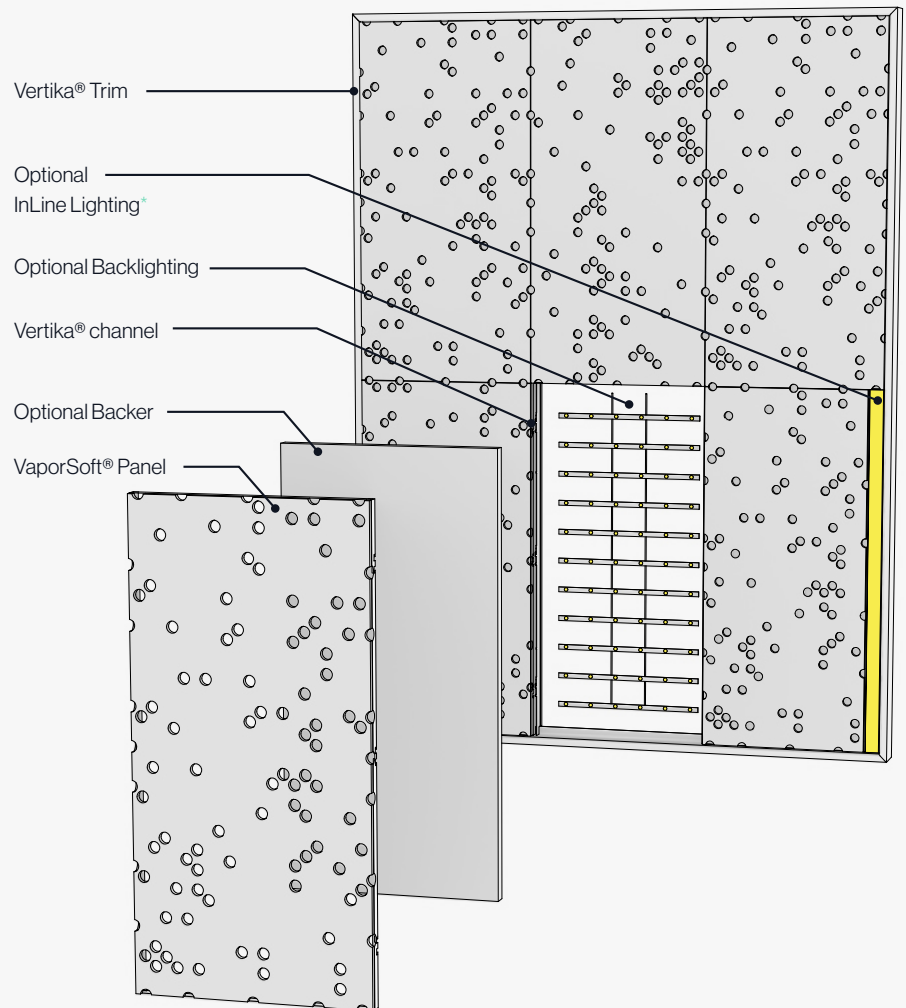
1 Understanding the System

Accessory Options - Wall

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

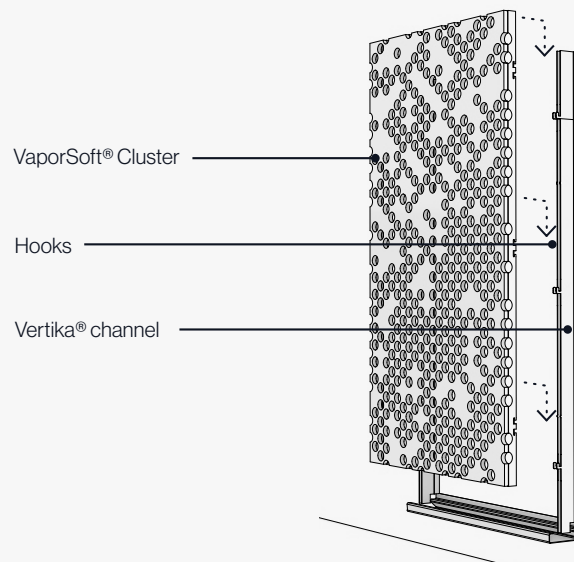
i Check out our Configuration examples on PAGE 11.

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



Attachment System - Wall

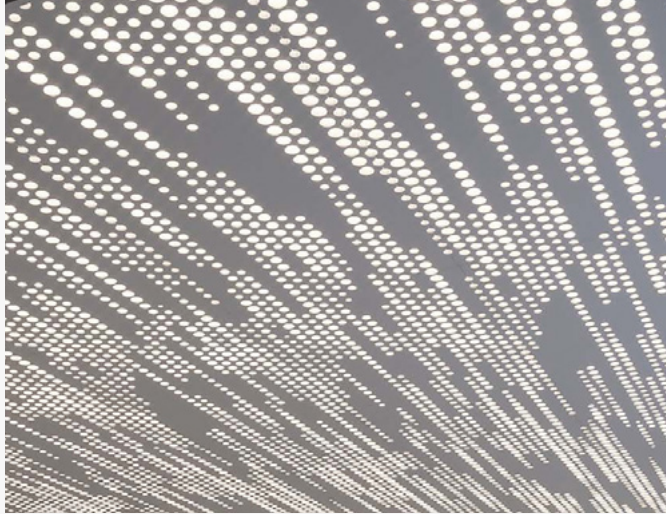
Panels are easily installed or removed by sliding onto or lifting off from the system's Vertika® channel hooks.



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 15.

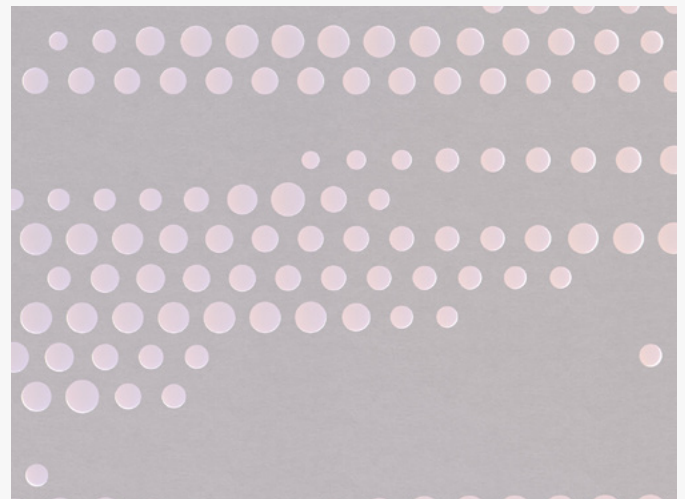
**InLine Lighting**

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 VaporSoft® panel allows the light to straddle its 4' edge while staying within a 24" overall width. See Inline Lighting specs details on PAGE 17.

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 images. Patterns may not match the product.

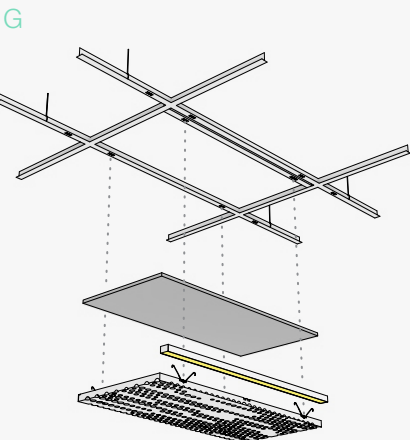
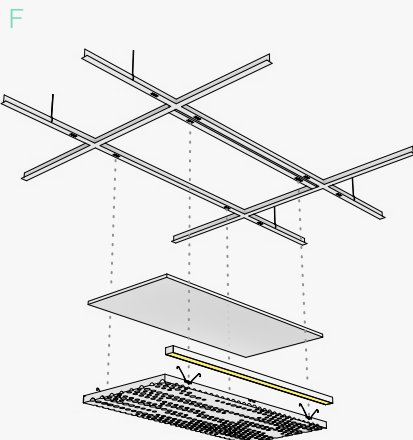
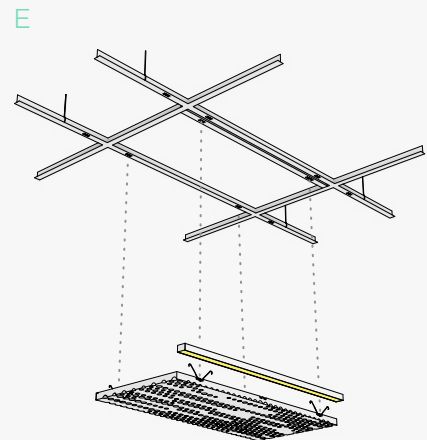
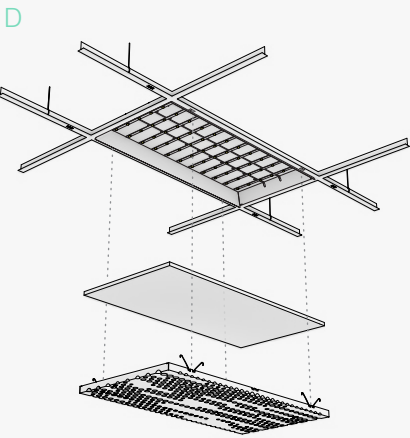
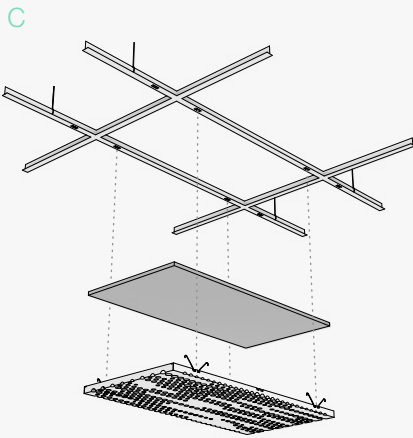
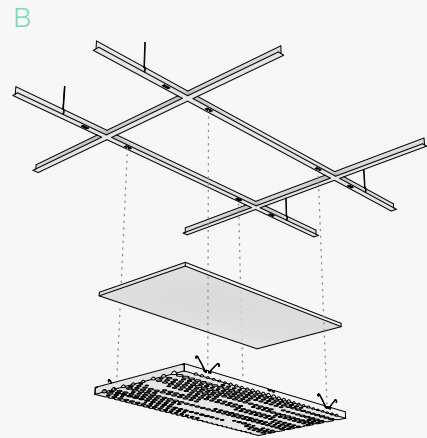
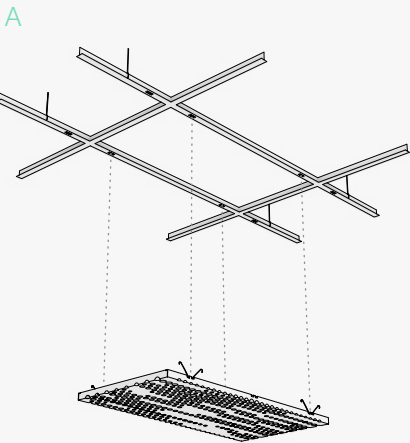
2 Optional Accessories

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

i We also offer Vapor® & Vapor Graphic Perf®, an aluminum panel without the acoustic face and a lot of standard or customizable patterns.



i Illustrative images. Patterns may not match the product.

3

Available Finishes

Optional Translucent Backer

Polycarbonate
Available in interior and UV
stable exterior options.



Frosted

Soft Sound® Panel Face & Optional Soft Sound® Backer

Soft Sound®
Vivids
Standard



Nori Tidal Seafoam Bamboo Cosmos



Plum Azalea Sorbet Buttercream Blush

Soft Sound®
Elementals
Standard



Ube Baltic Caspian Cortez Honey



Sienna Truffle Morel Cypress Pebble

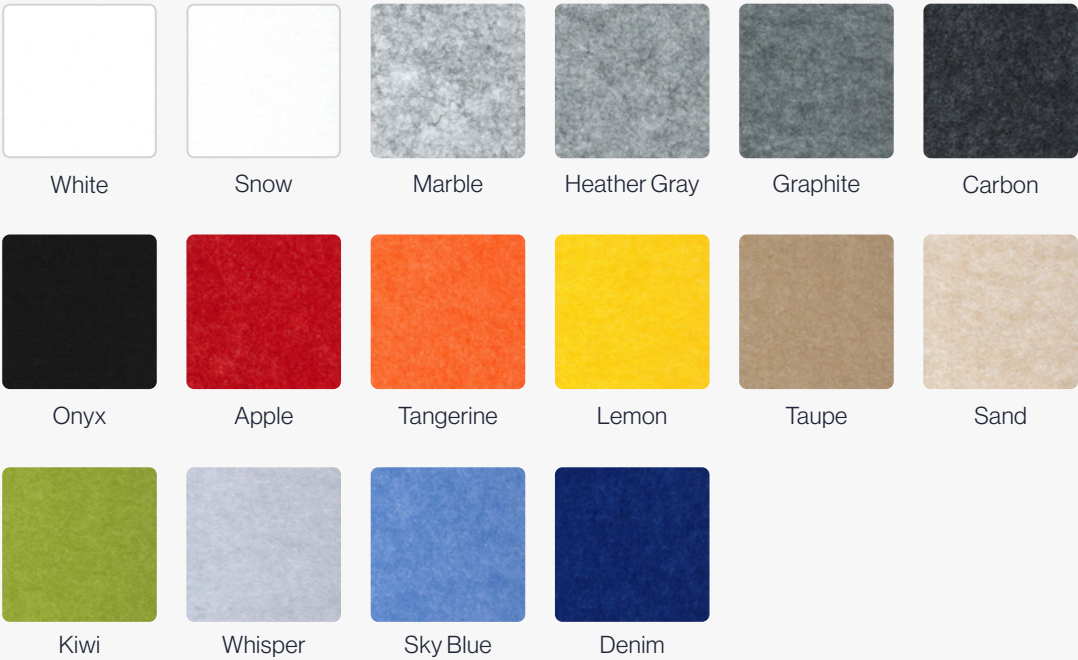
ⓘ Due to the nature of non-woven materials, light may pass through Soft Sound® in any thickness or color. A translucent appearance is most apparent in lighter colors and thin material when a light source is present behind the material. Arktura makes no claims or warranties about the material performing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

3

Available Finishes

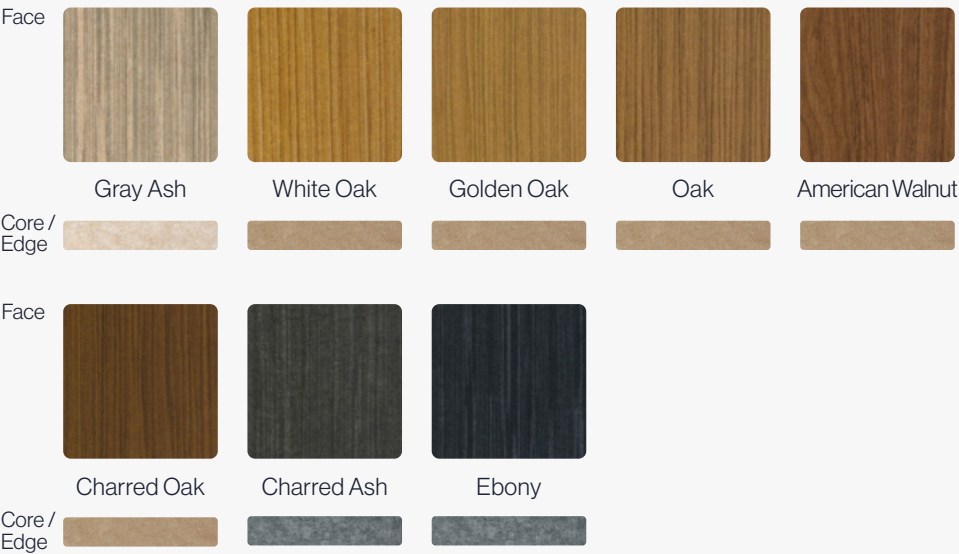
Soft Sound® Panel Face & Optional Soft Sound® Backer

Soft Sound®
Essentials
Standard



Soft Sound®
Wood Texture
Premium

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



! 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"
Panel Material	Aluminum
Face Material	12mm Soft Sound® (PET)
Openness in Plan	Dense: 40% Sparse: 10%
Fire Rating	ASTM E84 - Class A
Acoustics	True NRC® 0.90: Dense Ceiling w/Acoustic Backer ; E-300 Method True NRC® 0.80: Dense Wall w/Acoustic Backer ; F-70 Method True NRC® 0.40: Dense Ceiling w/Translucent Backer ; E-300 Method True NRC® 0.40: Dense Wall w/Translucent Backer ; F-70 Method True NRC® 0.75: Sparse Ceiling w/Acoustic Backer ; E-300 Method True NRC® 0.80: Sparse Wall w/Acoustic Backer ; F-70 Method True NRC® 0.50: Sparse Ceiling w/Translucent Backer ; E-300 Method True NRC® 0.50: Sparse Wall w/Translucent Backer ; 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
Accessories	Acoustic Backer, Translucent Backer, Backlight, InLine Light

Product Certifications

Living Building Challenge

Learn more at living-future.org



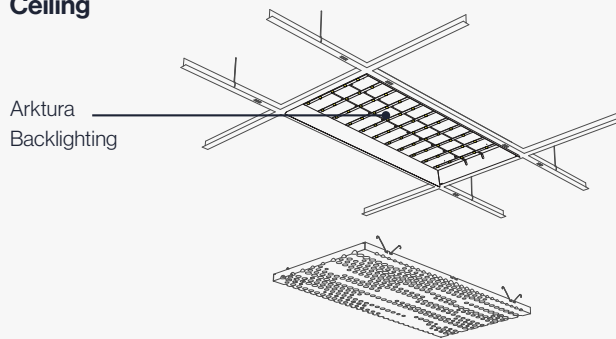
Certification for VaporSoft®

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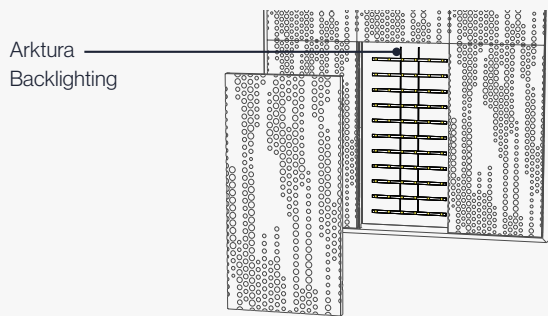
Arktura Backlighting Specs

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

Ceiling

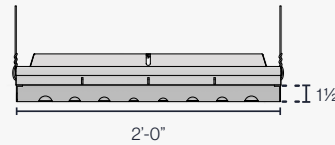


Vertika® Wall

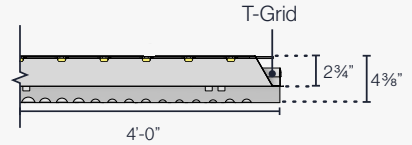


Sections - Ceiling

Front view

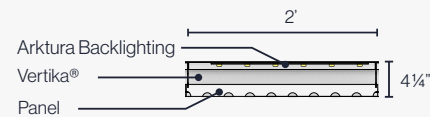


Side view

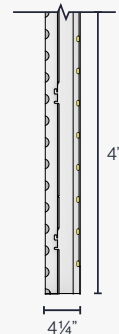


Sections - Wall

Top view



Side view



Specs

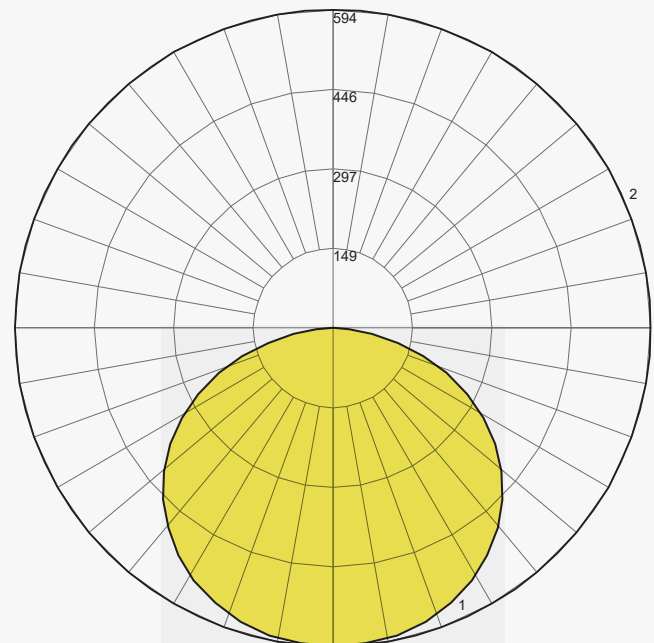
Product Features	Arktura Backlighting Eco 2x4 Panel	Arktura Backlighting 2x4 Panel
Power Consumption	18W 24VDC .75A	65W 24VDC 2.7A
Delivered Lumens	Please Reference Next Page for Specific Openness by Pattern	
CRI	90+	
Color Temperatures	3000K, 3500K, 4000K	
Size (LxWxD)	24"x48"x3 1/4"	
Optics/Beam Angle	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.

❗ Illustrative images. Patterns may not match the product.

Arktura Backlighting % Open & Lumen Output

Backlighting % Open & Lumen Output

Product	% Open	18W Arktura Backlight Eco Lumen Output	65W Arktura Backlight Lumen Output
Vapor® Cora	68%	1176	3361
Vapor® Bloom	20%	400	1118
Vapor® Breeze	23%	457	1276
Vapor® Byte	6%	120	354
Vapor® Cluster Dense	40%	759	2124
Vapor® Cluster Sparse	10%	203	577
Vapor® Cumula	18%	362	1012
Vapor® Element 605	6%	120	354
Vapor® Element 3212	32%	621	1734
Vapor® Element 3428	34%	656	1833
Vapor® Frequency	10%	203	577
Vapor® Liana	17%	342	959
Vapor® Gradients	17%	342	959
Vapor® Sky	19%	381	1065
Vapor® Pixel	19%	381	1065
Vapor® Syntax	6%	120	354
Vapor® Trail	24%	476	1328
Vapor® Shift X	53%	965	2723
Vapor® Transit	10%	203	577
Vapor® Bond	7%	141	410
Vapor® Verve	14%	283	797
VaporSoft® Cluster Dense	40%	759	2124
VaporSoft® Cora	68%	1176	3361
VaporSoft® Trail	24%	476	1328
VaporSoft® Cluster Sparse	10%	203	577

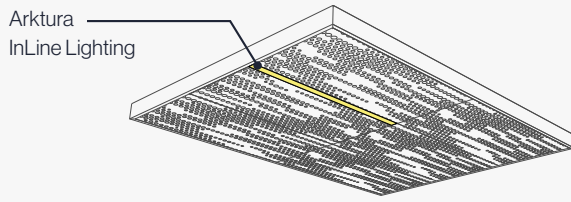
Product	% Open	18W Arktura Backlight Eco Lumen Output	65W Arktura Backlight Lumen Output
Trace® Curved	55%	994	2811
Trace® Slide	8%	162	466
Trace® Skew	62%	1095	3112
Trace® Slant	43%	808	2266
Trace® Straight	54%	979	2767
Particle® Ion	5%	99	297
Particle® Code	9%	182	522
Particle® Phase	4%	78	241
Particle® Fuse	4%	78	241
Particle® Urban	10%	203	577
Delta Drop® 2x4 Full Pattern	12%	241	653
Delta Drop® 2x4 Half Pattern	7%	134	390
Delta Drop® 4x4 Full Pattern*	14%	538	1514
Delta Drop® 4x4 Half Pattern*	7%	268	779

* 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.

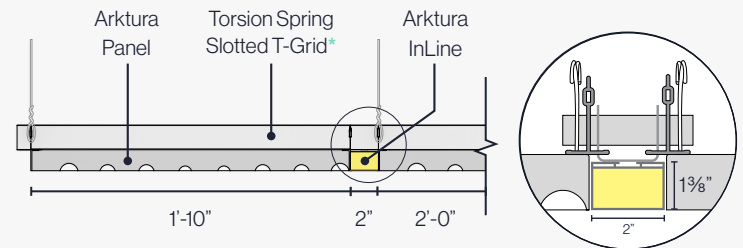
Ceiling



Vertika® Wall

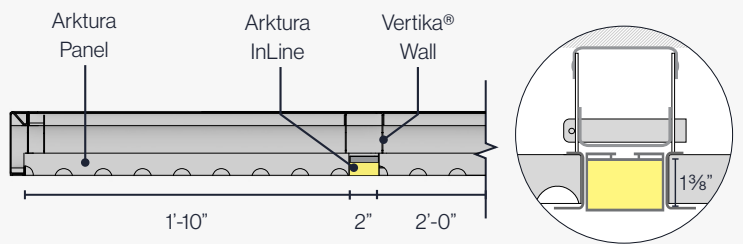


Elevations - Ceiling



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

Top View - Wall



Arktura InLine System

Description		W/ft	Fixture Watts	lm/ft	Fixture Lumens	LM/W*
4 Foot	Arktura InLine 3.5 W/ft - 4'	3.5	14	349	1396	102
	Arktura InLine 5W/ft - 4'	5	20	525	2100	114
	Arktura InLine 7W/ft - 4'	7	28	614	2457	98
	Arktura InLine 10W/ft - 4'	10	40	1021	4084	110
8 Foot	Arktura InLine 3.5W/ft - 8'	3.5	28	349	2792	102
	Arktura InLine 5W/ft - 8'	5	40	525	4200	114
	Arktura InLine 7W/ft - 8'	7	56	614	4914	98
	Arktura InLine 10W/ft - 8'	10	80	1021	8168	110

Side - Length Options

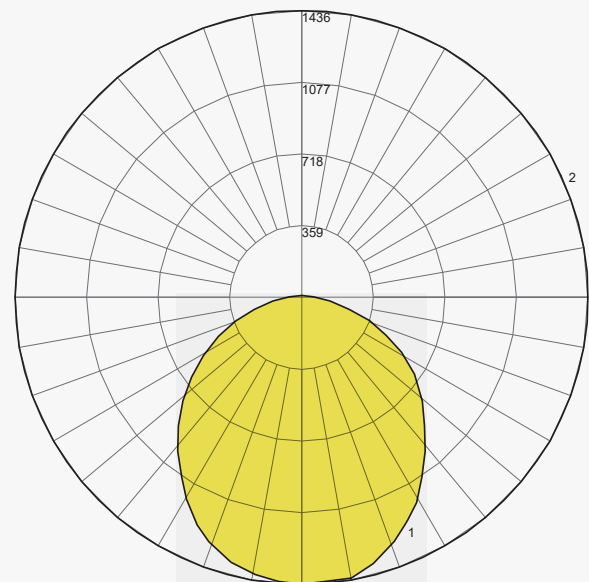


Photometric

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.)



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

❗ Illustrative images. Patterns may not match the product.

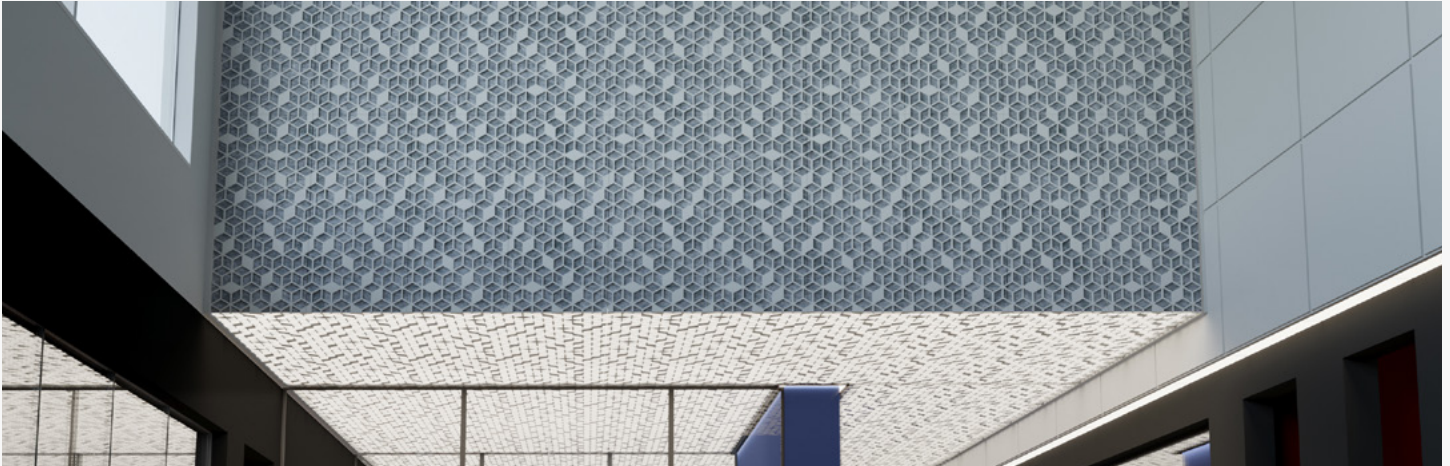
* Efficiency at 3500K 90CRI

** Consult factory for custom color temperatures.

Product Line

Design Options

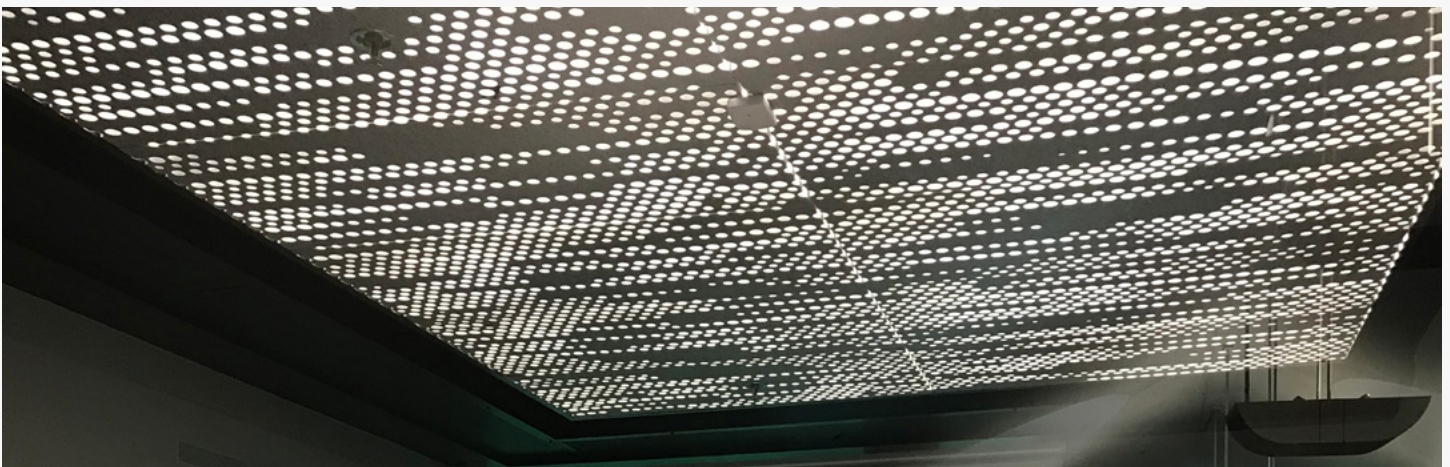
VaporSoft® offers a library of pre-configured options. Soft Sound® is attached to the aluminium torsion panel face to create visual interest while simultaneously providing acoustic noise reduction.



VAPORSOFT® CORA



VAPORSOFT® CLUSTER



VAPORSOFT® TRAIL