ARKTURA

Vapor® Radia

Ceiling & Wall **Panels**

Our Key Features

Vapor® Radia features a unique pattern that adds scattered dimension to your space. A series of perforated circles radiate throughout the panel, creating a burst of impactful design. This distinctive pattern creates a mesmerizing interplay of light and shadow instantly capturing the viewer's attention. Choose from various powder coat finishes and optional lighting or Soft Sound® acoustic backers.
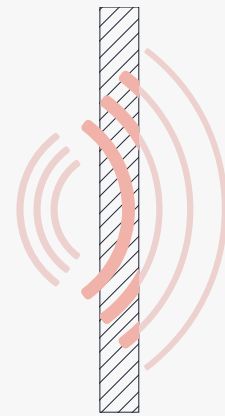
Reduce Noise & Enhance Acoustics

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.
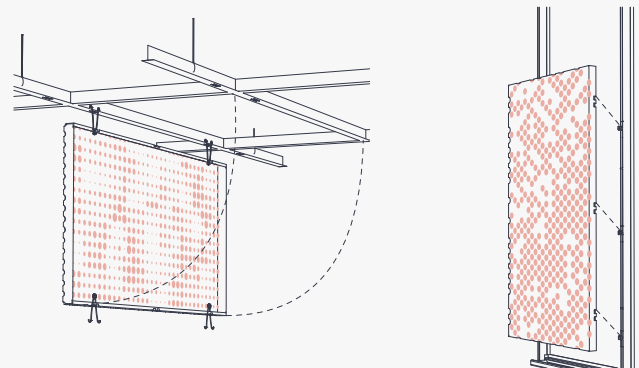
Easy Installation & Access

Vapor® panels offer easy install, using quick torsion spring attachment across standard ceiling grid systems or simple wall attachment using our Vertika® channel system.
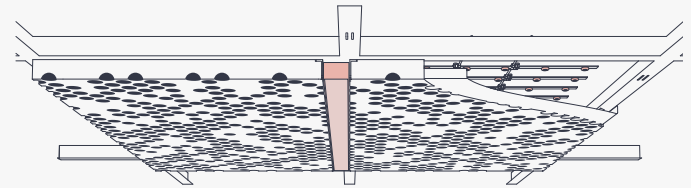
Scan the QR or Click to Learn More about Vapor®

Our Key Features

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.
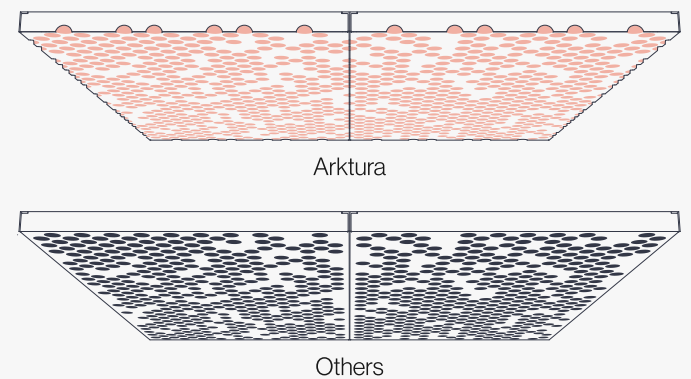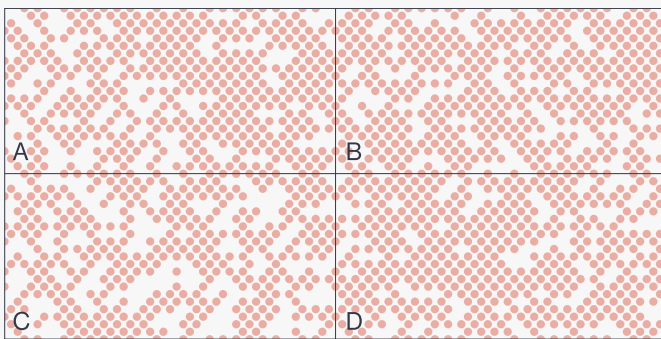
Preconfigured Solutions

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.

Inspiration

Seamlessly Scalable Panels Envelop Ample Spaces

Arktura Backlighting Creates a Dynamic Design

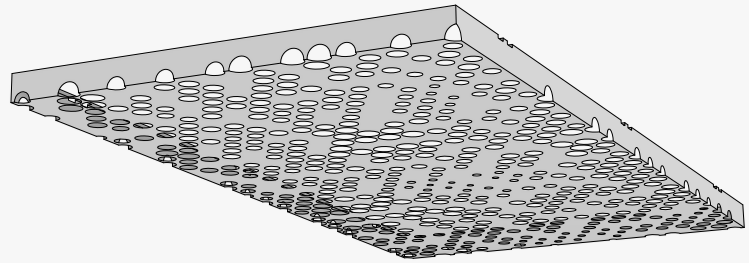**Sporadic Patterning Adds Dimension to Spaces**

Overview

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.
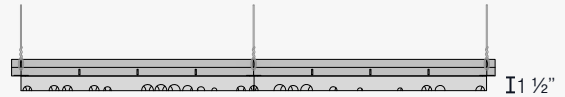
① Understanding the System

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: 31% Open
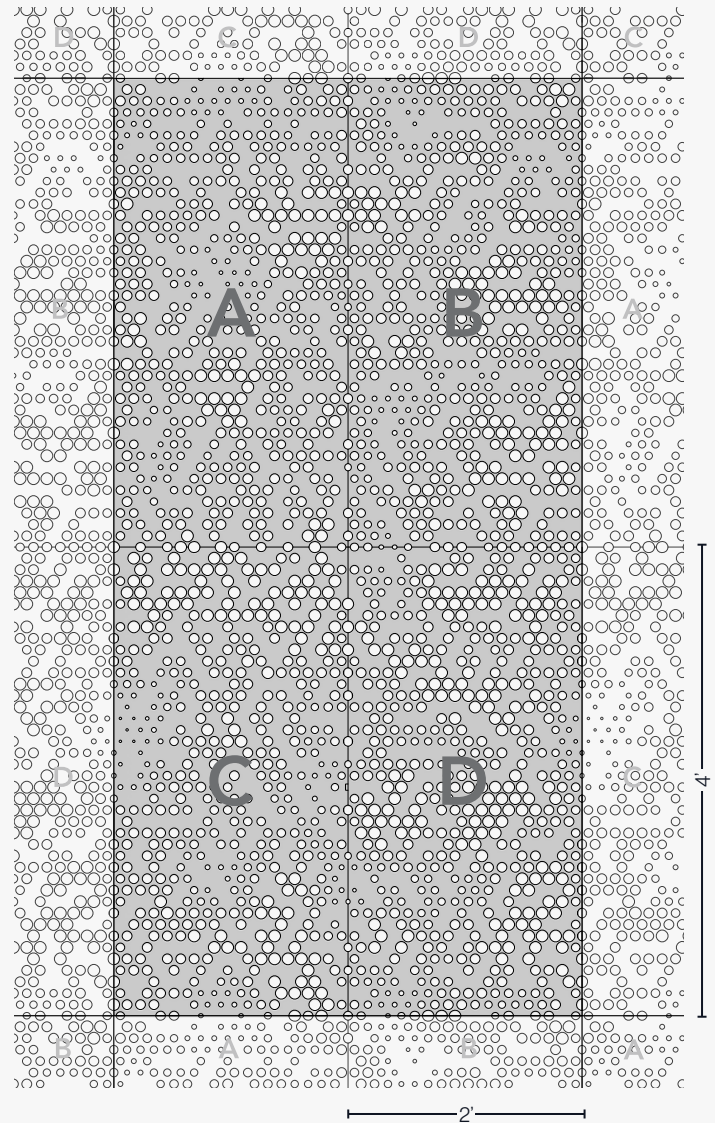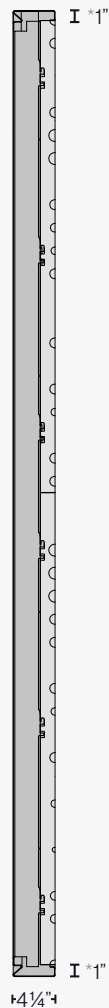Panel B: 34% Open
Panel C: 32% Open
Panel D: 38% Open

*Vertika® Trim

Ceiling Section

I 1 ½"

Panel Configuration, Wall or Ceiling

Wall Section

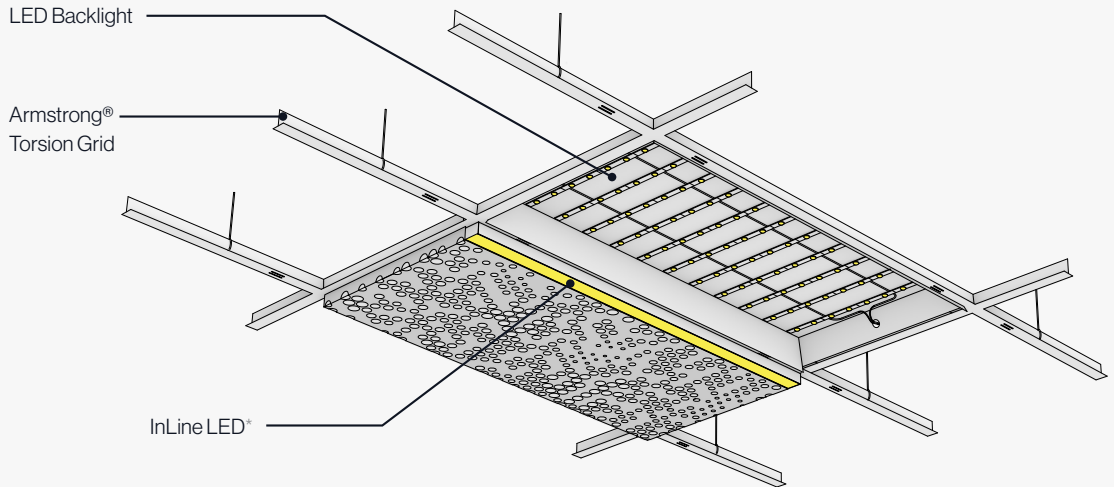I *1"

I *1"

4¼"

4'

2'

⚠ All dimensions are nominal.

1 Understanding the System

Accessory Options - Ceiling

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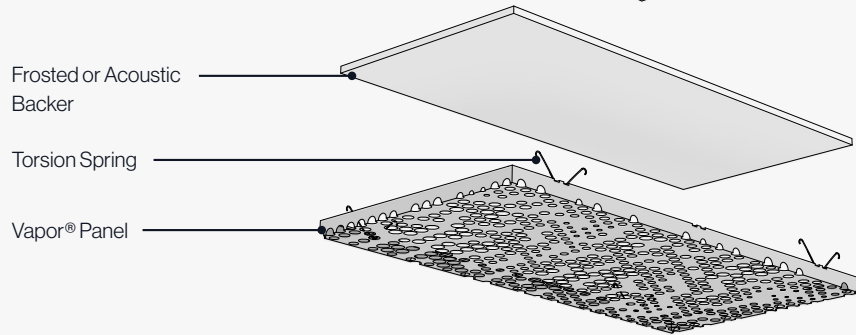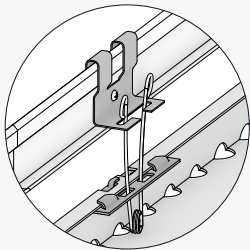• 1/2" acoustic backer
• Backlight
• InLine downlight

ⓘ Check out our Configuration examples on PAGE 10.

* A Specific Inline light panel is used to accomodate 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.

LED Backlight

Armstrong® Torsion Grid

InLine LED*

Frosted or Acoustic Backer

Torsion Spring

Vapor® Panel

Attachment System - Ceiling

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

Installed

Dropped

Lowered

Torsion Spring

① Understanding the System

Accessory Options - Wall

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

ⓘ Check out our Configuration examples on PAGE 10.

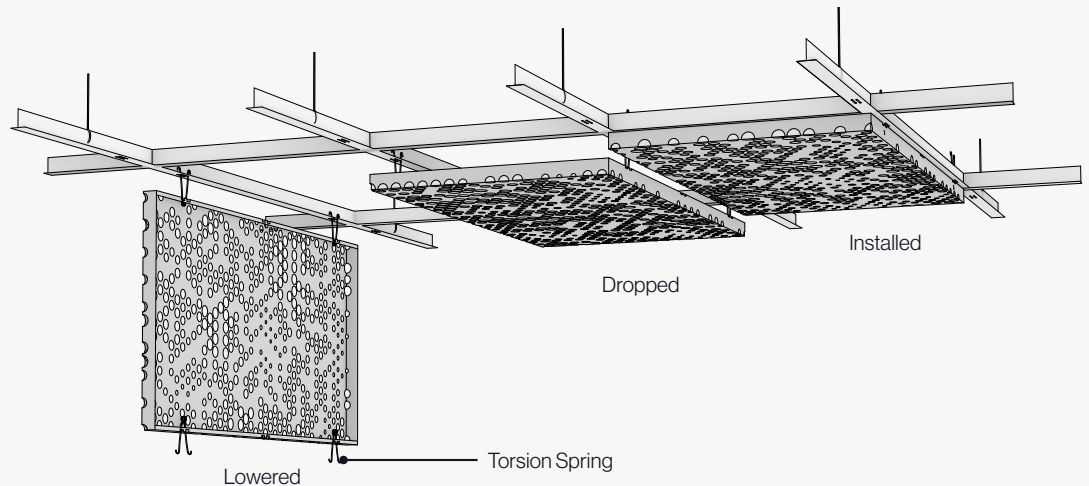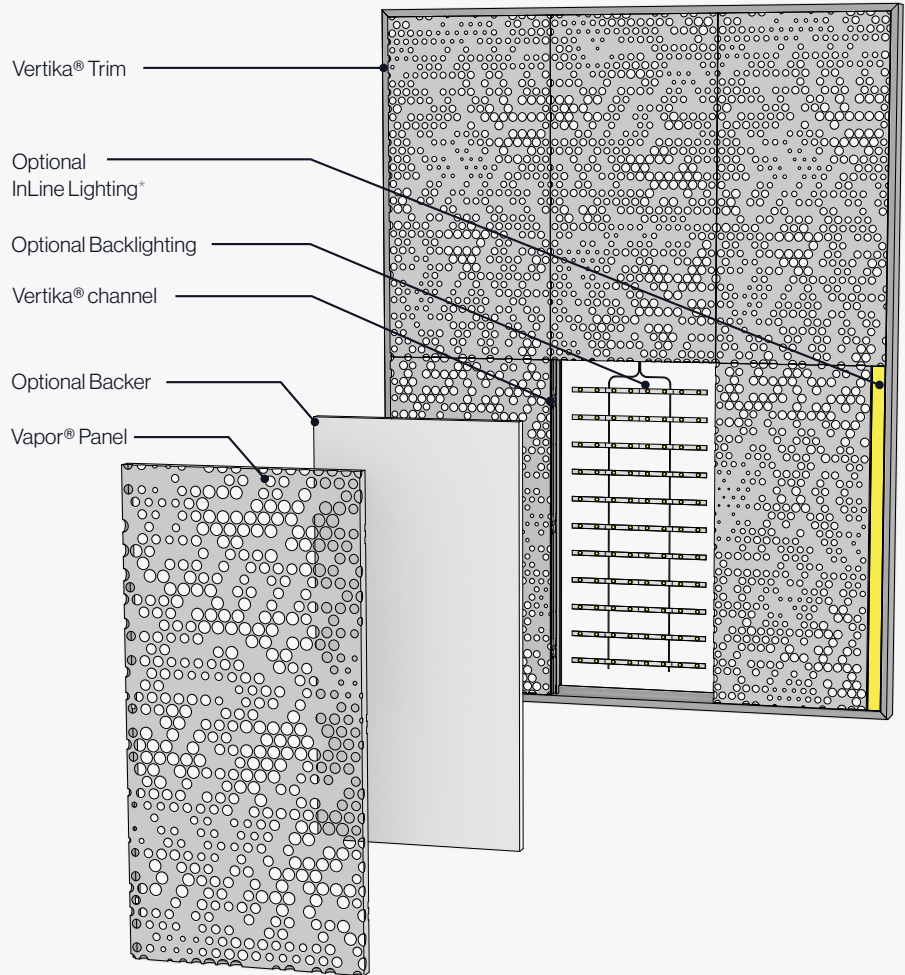* A Specific Inline light panel is used to accomodate the width of the fixture within the 2' width.

Vertika® Trim

Optional
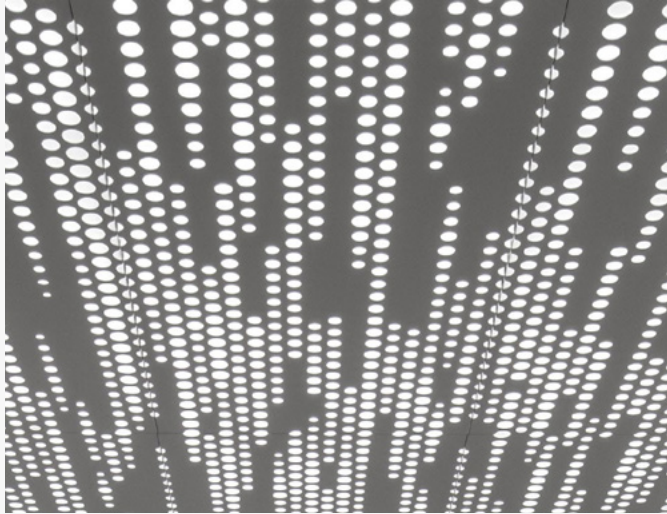InLine Lighting*

Optional Backlighting

Vertika® channel

Optional Backer

Vapor® Panel

Attachment System - Wall

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

Vapor® Panel

Hooks

Vertika® channel
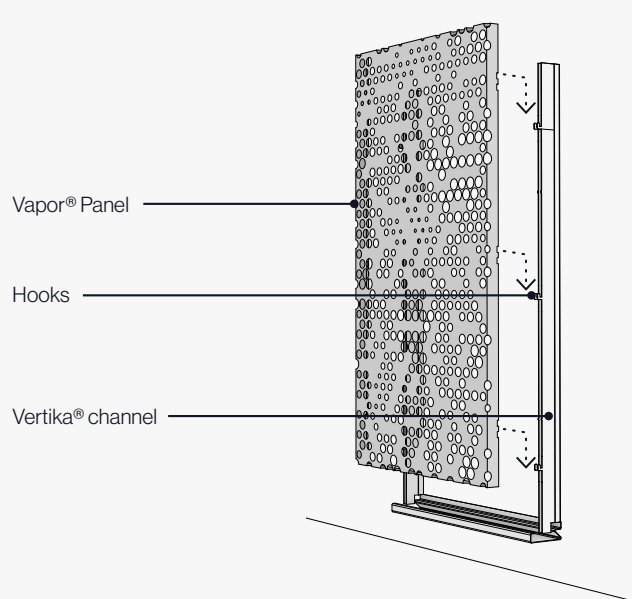
2 Optional Accessories
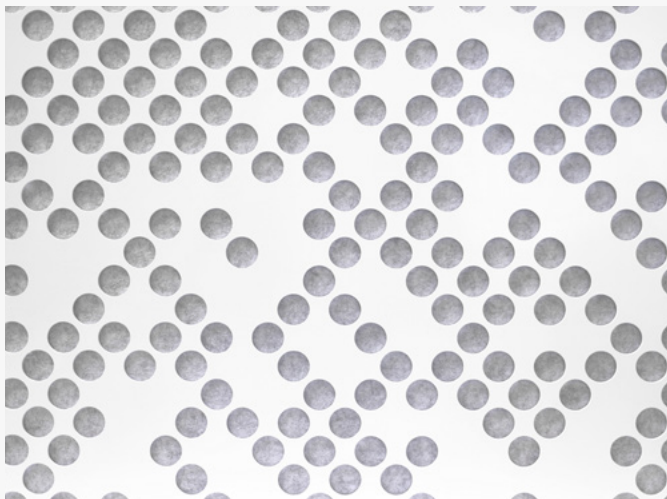
Lighting

Backlighting

Arktura 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 17.

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 19.
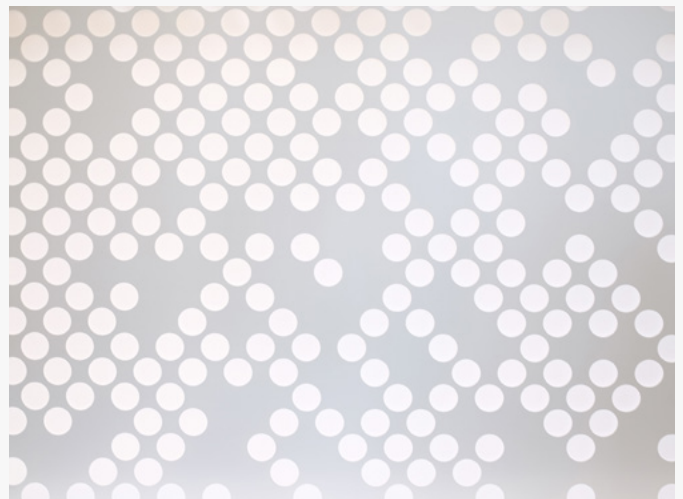
Backers

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.
ⓘ Lighting powered by Arktura 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

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

A

B

C

D

E

F

G
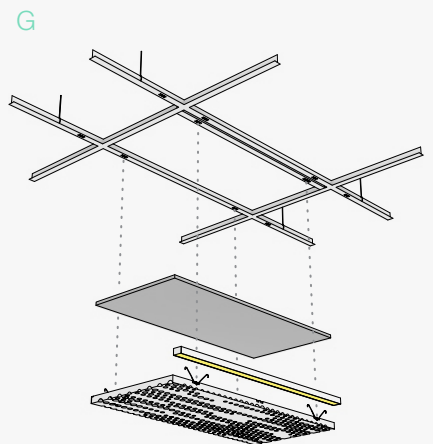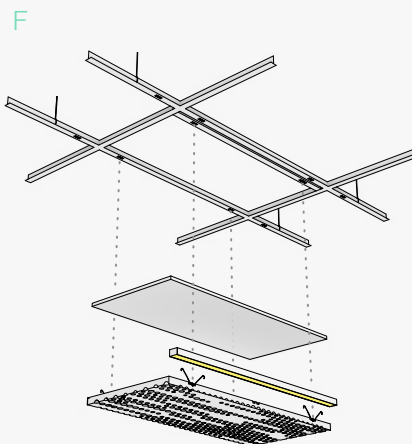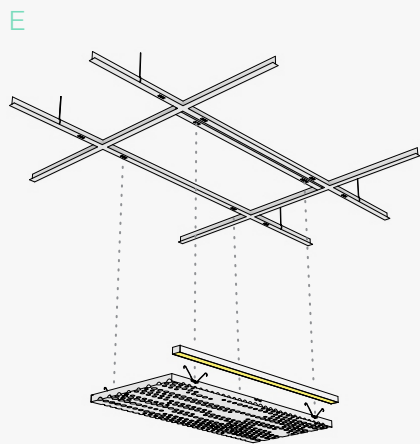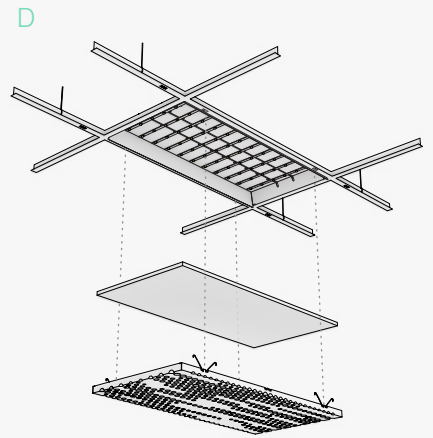
3 Available Finishes

Panel Color

Powder Coat
Standard Finish
Inspired by our
Vivids Collection

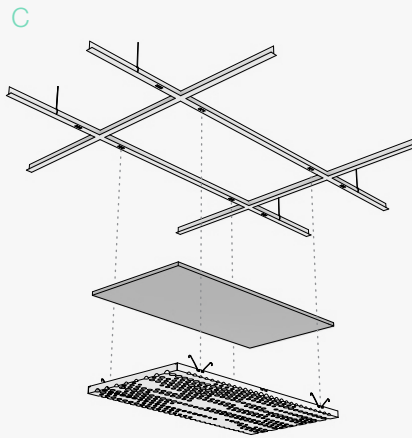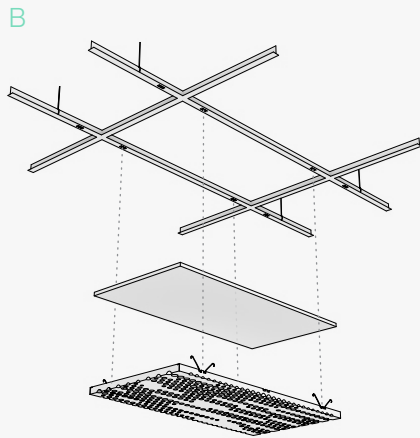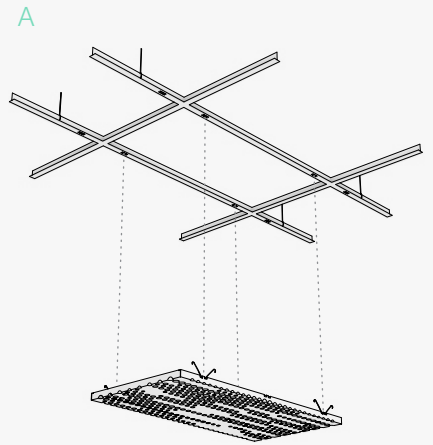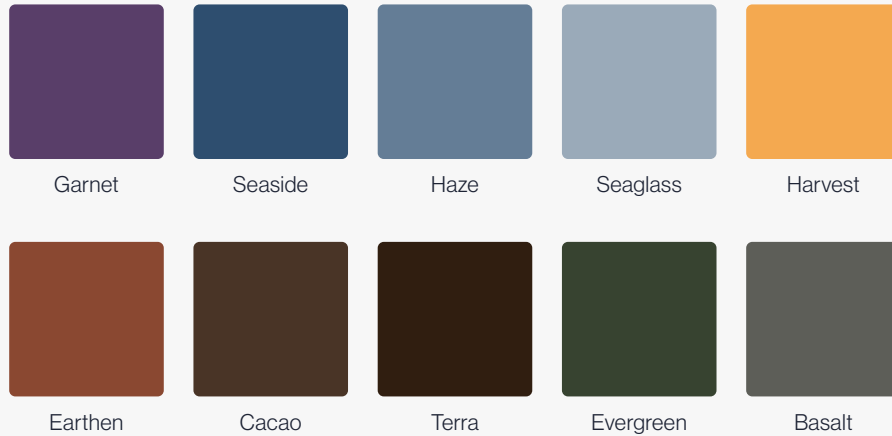|				
Seaweed	Oasis	Mint	Tropica	Moonwalk
Berry	Ruby	Papaya	Lemonade	Pismo

Powder Coat
Standard Finish
Inspired by our
Elementals Collection

Garnet	Seaside	Haze	Seaglass	Harvest
Earthen	Cacao	Terra	Evergreen	Basalt

ⓘ All premium and standard finishes shown are designed for interior specifications. Products may be specified for exterior use, and with alt 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

Panel Color

Powder Coat
Standard Finish
Inspired by our
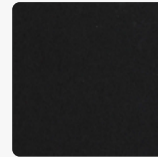Essentials Collection

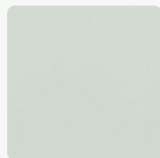T-Grid White*
(Matte)

Arktura White
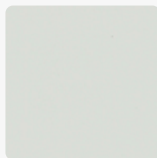(Matte)

Brilliant White
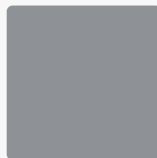(Gloss)

Silver Metallic
(Semi Gloss)

Jet Black
(Matte)

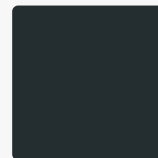Aviator Gray
(Gloss)

Aviator Gray
(Matte)

Steel Gray

Shadow

Midnight
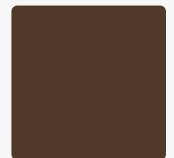
Coffee

Raw Umber

Caramel

Sandstone
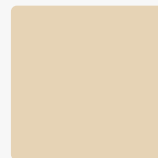
Oat

Sunflower

Torch

Spirit Red
(Matte)

Azure

Blue Steel

Forest Green

Powder Coat
Premium Metallic
Finish
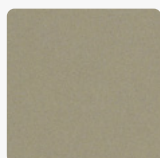
Chilled Champagne
(Semi Gloss)
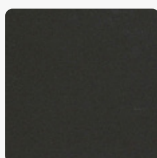
Burnished Bronze
(Semi Gloss)

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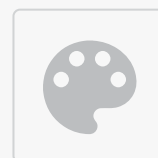
Non-stock
RAL

Non-stock
Metallic

* 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 alt 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

Panel Color - Pure+FreeForm & Powder Coat

Metallic Patinas *
Premium
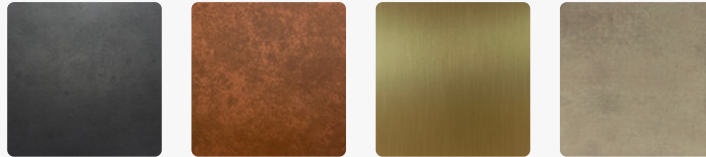
| Hollywood | Parisian Rust | Hampton Brass | Vintage Nickel |

Metal Powder Coat Color

| Slate | Oxide | Goldenrod | Pewter |

Metallic Wood Texture *
Premium
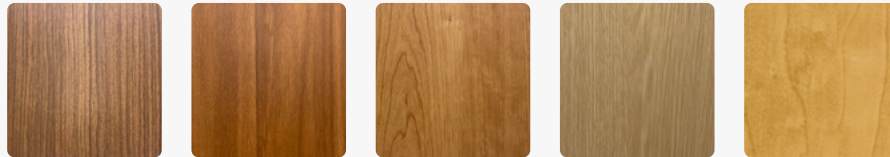
| Roma Noce | Rustic Timber | Autumn Cherry | Pearl White Oak | Miele Maple |

Metal Powder Coat Color

| Mocha | Terracota | Gingerbread | Flax | Flax |

* Pure + FreeForm trims are only available for Wall application. If the installation has a transition between wall and ceiling, Powder Coating must be used.

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③ Available Finishes

Optional Translucent Backer

Polycarbonate
Available in interior and UV
stable exterior options.

Frosted

Optional Soft Sound® Backer

Soft Sound®
Vivids
Standard
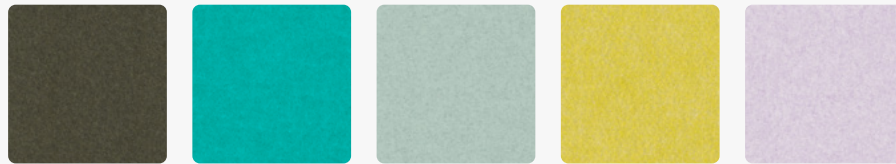
Nori	Tidal	Seafoam	Bamboo	Cosmos
Plum	Azalea	Sorbet	Buttercream	Blush

Soft Sound®
Elementals
Standard
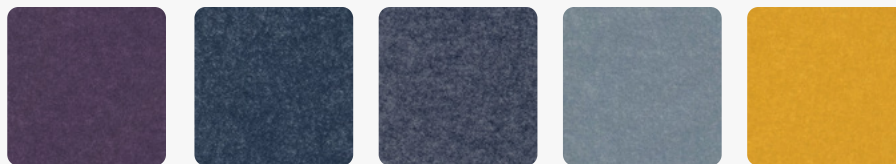
Ube	Baltic	Caspian	Cortez	Honey
Sienna	Truffle	Morel	Cypress	Pebble

⚠ 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

Optional Soft Sound® Backer

**Soft Sound®
Essentials**
Standard

White	Snow	Marble	Heather Gray	Graphite	Carbon
Onyx	Apple	Tangerine	Lemon	Taupe	Sand
Kiwi	Whisper	Sky Blue	Denim		

**Soft Sound®
Wood Texture**
Premium

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

Face

Gray Ash	White Oak	Golden Oak	Oak	American Walnut

Core / Edge

Face

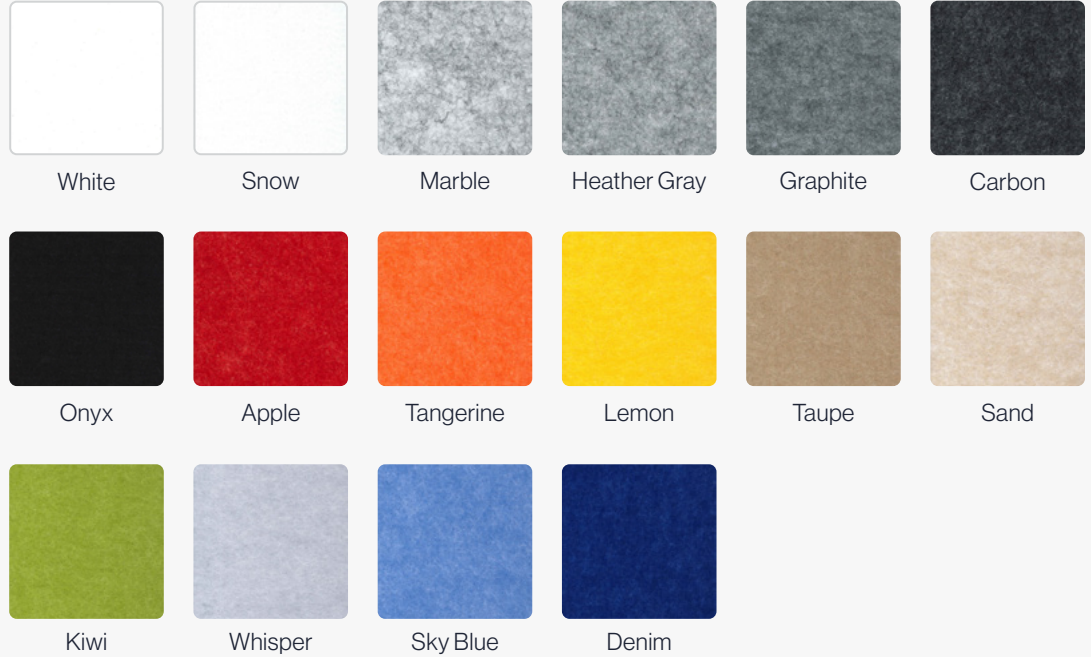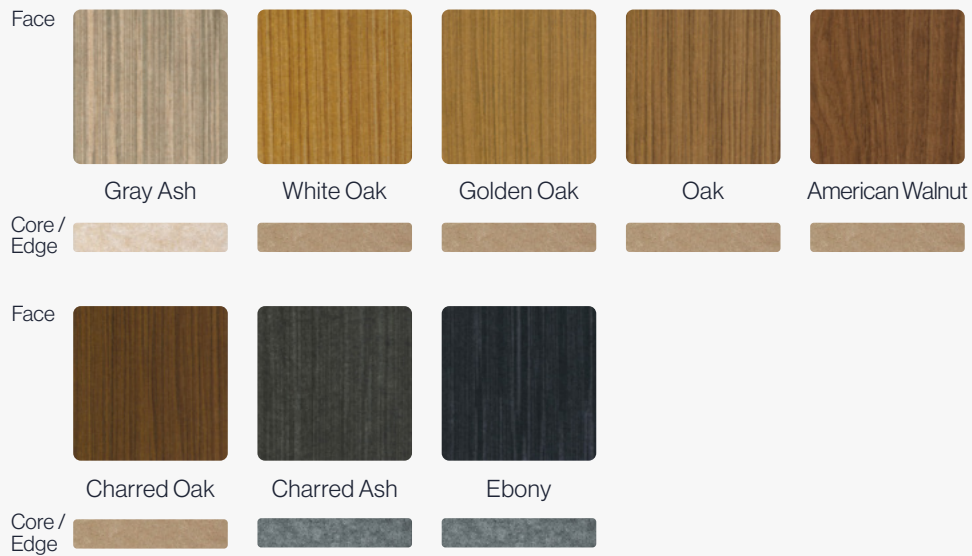|		
Charred Oak	Charred Ash	Ebony

Core / Edge

⚠ 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

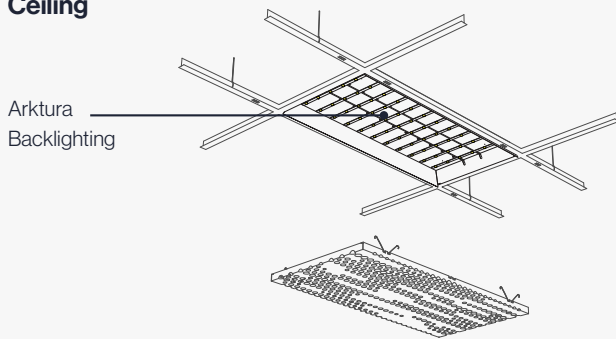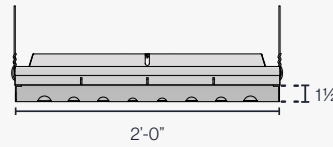|	
Panel Size (WxHxD)	2' x 4' x 1 1/2''
Material	Aluminum
Openness in Plan	34%
Fire Rating	ASTM E84 - Class A
Acoustics (with optional Soft Sound® backer)	TrueNRC® 0.85: Ceiling ; E-300 Method True NRC® 0.85: Wall ; F-70 Method (Values are approximate and comparable to Vapor® Element 3428 with 32% openness.)
Ceiling Attachment	Torsion Grid
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.
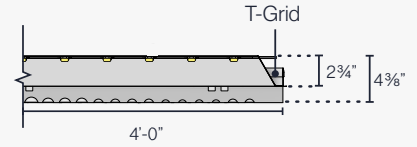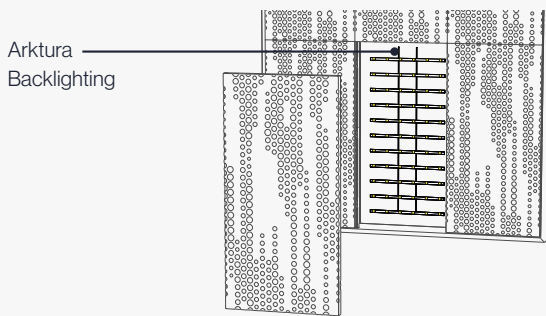
Ceiling
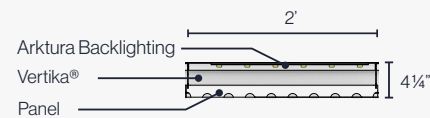
Arktura Backlighting

Sections - Ceiling

Front view

1½"

2'-0"

Side view

T-Grid

2¾" 4⅜"

4'-0"

Vertika® Wall

Arktura Backlighting

Sections - Wall

Top view

Arktura Backlighting

Vertika®

Panel

2'

4¼"

Side view

4'

4¼"
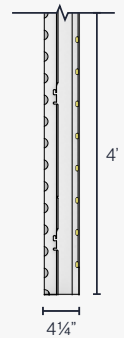
Specs

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	
Emergency	50W Emergency Battery Kit AK-EB0001**	
Cable	Factory Installed Plenum Rated CL3P Cable, 16AWG 10ft Whip	
IP Rating	IP64	
Enviroment	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.)

594
446
297
149
2
1
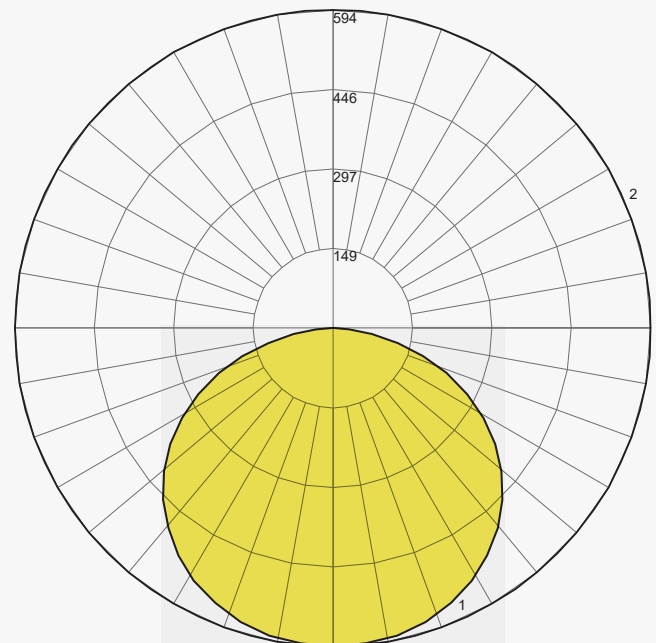
* Represents a 40 % Openness Pattern.
** Emergency battery kit sold separately.

ⓘ 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
Vapor® Dappled	34%	656	1833
Vapor® Horizon	33%	639	1784
Vapor® Radia	34%	656	1833

Product	% Open	18W Arktura Backlight Eco Lumen Output	65W Arktura Backlight Lumen Output
VaporSoft® Cluster Dense	40%	759	2124
VaporSoft® Cora	68%	1176	3361
VaporSoft® Trail	24%	476	1328
VaporSoft® Cluster Sparse	10%	203	577
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.
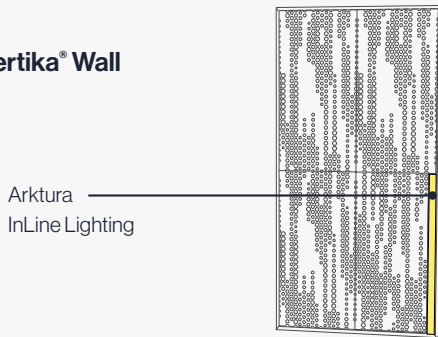
Arktura InLine Lighting Specs

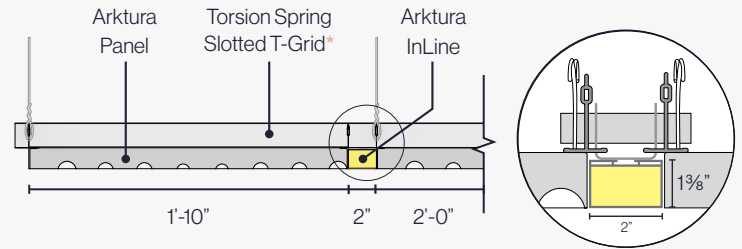Makes it easy to seamlessly integrate linear lighting into the design of your paneling.
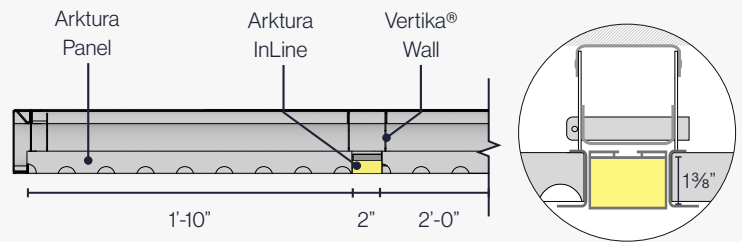
Ceiling

Arktura
InLine Lighting

Vertika® Wall

Arktura
InLine Lighting

Elevations - Ceiling

Arktura Panel | Torsion Spring Slotted T-Grid* | Arktura InLine

1'-10"   2"   2'-0"

1⅜"   2"
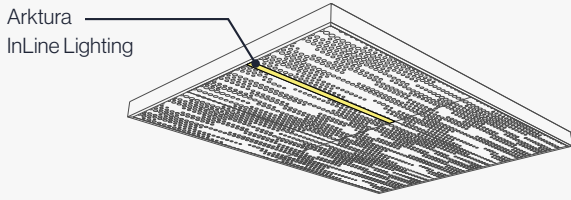
*7301TS Prelude XL 12' HD Main Beam slotted for torsion spring.

Top View - Wall

Arktura Panel | Arktura InLine | Vertika® Wall

1'-10"   2"   2'-0"

1⅜"

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
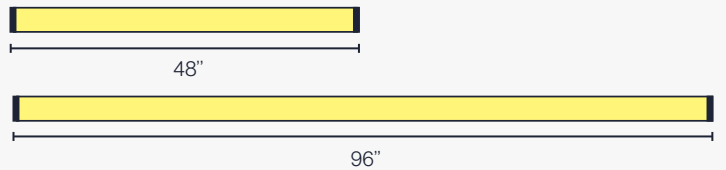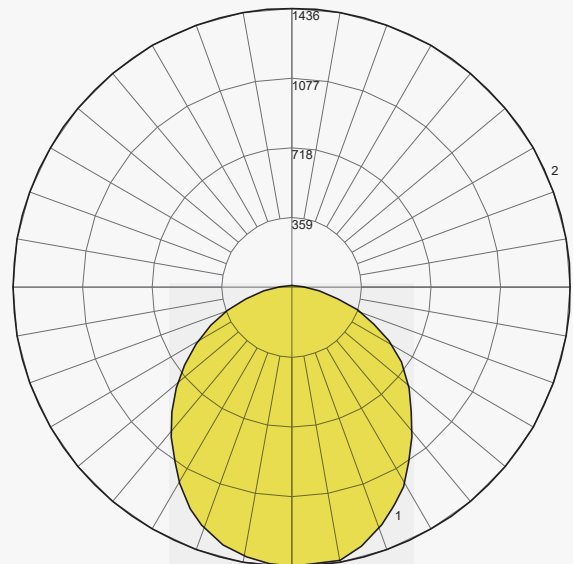
Universal Specs

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
Emergency	50W Emergency Battery Kit AK-EB0001 ***
Cable	Factory Installed Plenum Rated CL3P Cable, 18AWG 4FT Cable
Enviroment	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

Side - Length Options

48"

96"

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.)

1436
1077
718
359

* Efficiency at 3500K 90CRI
** Consult factory for custom color temperatures.
*** Emergency battery kit sold separately.

ⓘ Illustrative images.
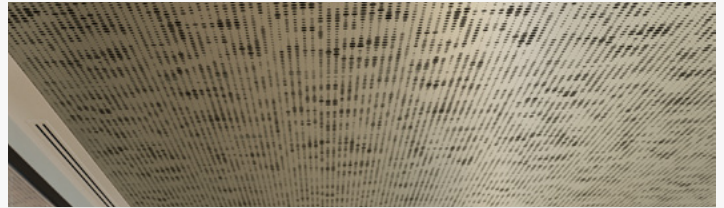Patterns may not match the product.

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®.
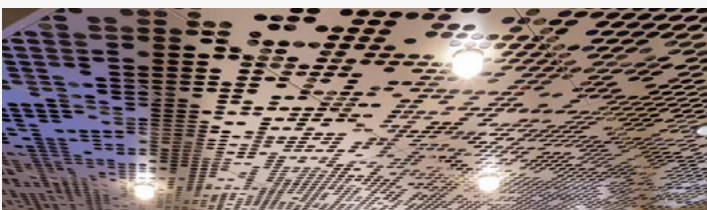

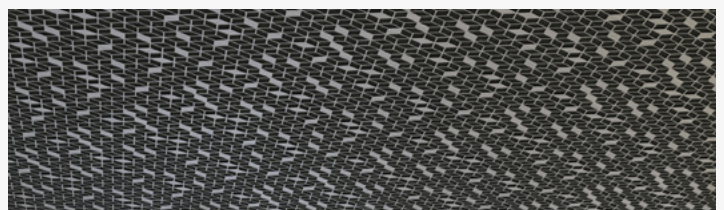VAPOR® TRAIL

VAPOR® PIXEL

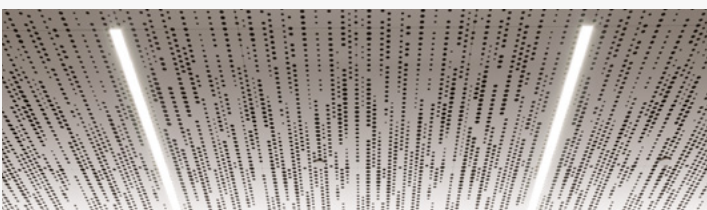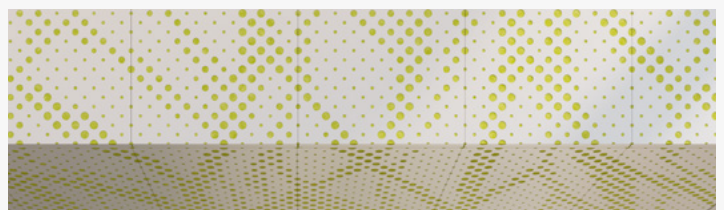VAPOR® CUMULA

VAPOR® BYTE

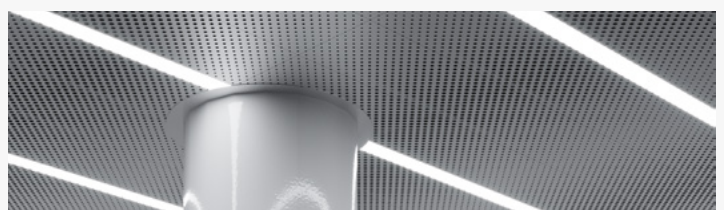VAPOR® CLUSTER

VAPOR® SYNTAX
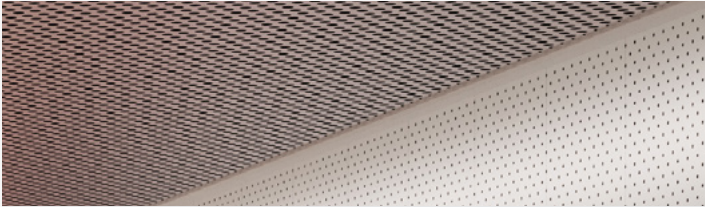

VAPOR® SHIFT

VAPOR® CORA

VAPOR® FREQUENCY

VAPOR® LIANA

VAPOR® SKY

VAPOR® GRADIENT

Product Line

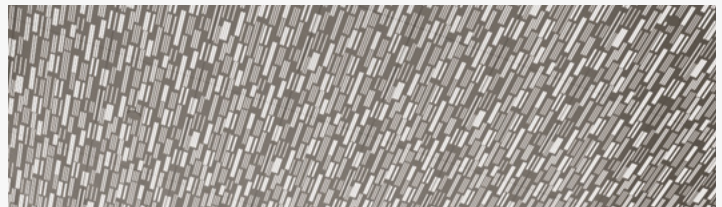Design Options

VAPOR® ELEMENT

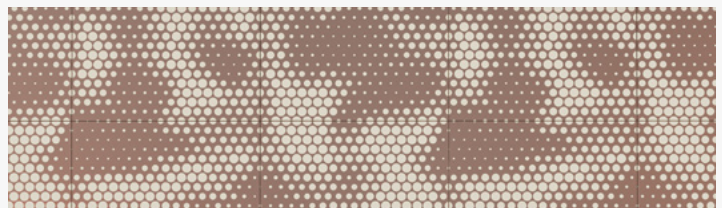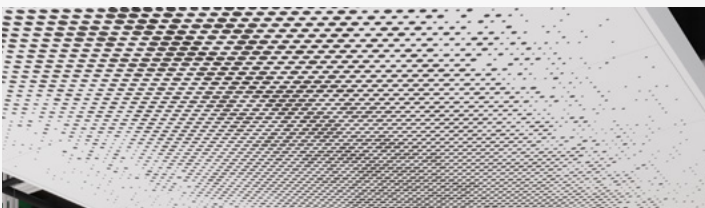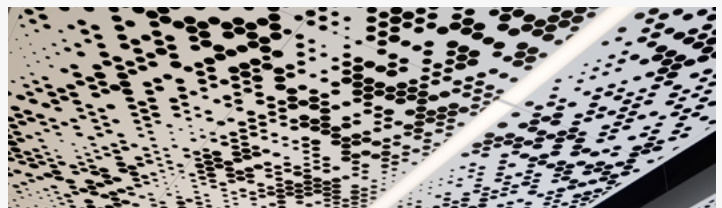VAPOR® BLOOM

VAPOR® BREEZE
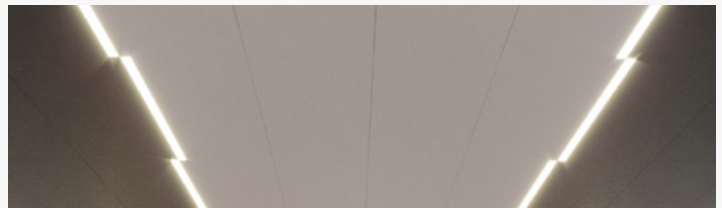
VAPOR® SOLID
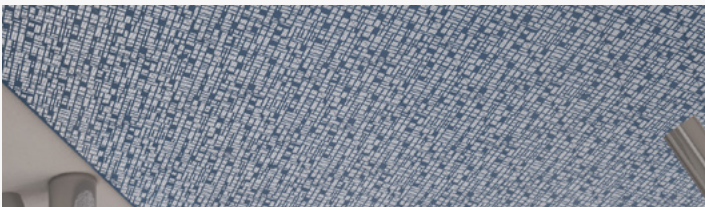
VAPOR® TRANSIT

VAPOR® VERVE

VAPOR® BOND

VAPOR® DAPPLED

VAPOR® HORIZON

VAPOR® RADIA