ARKTURA

Vapor® Graphic Perf®

Customizable Ceiling & Wall Panels
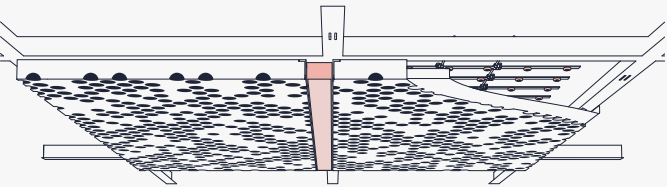
Fueling Possibilities®

Our Key Features

Vapor® Graphic Perf® turns wall and ceiling tiles into a limitless canvas, combining the best aspects of two of Arktura's most popular offerings – Vapor® and Graphic Perf® – into one versatile system. Let Arktura apply its proprietary, algorithmic software and manufacturing expertise to transfer any image or pattern into perforated metal panels. Like our Vapor® Family of Products, these are fully compatible with Arktura's Vertika® wall channel and standard grid systems, to make installation across walls and ceilings effortless. Add available custom color, Soft Sound® acoustic backer panels, and Arktura's integrated lighting, and the opportunities are truly endless.

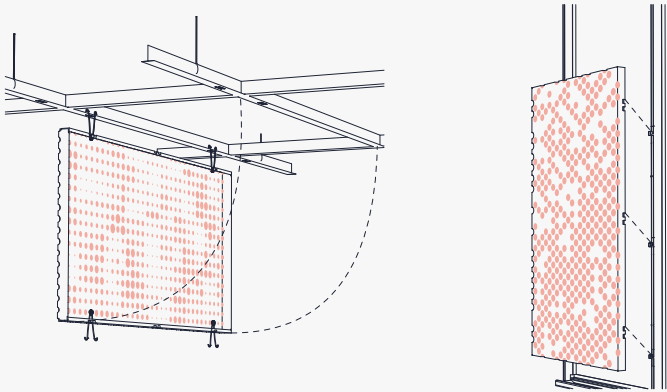Scan the QR or Click to Learn More about Vapor®

Reduce Noise & Enhance Acoustics

Vapor® Graphic Perf®'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.
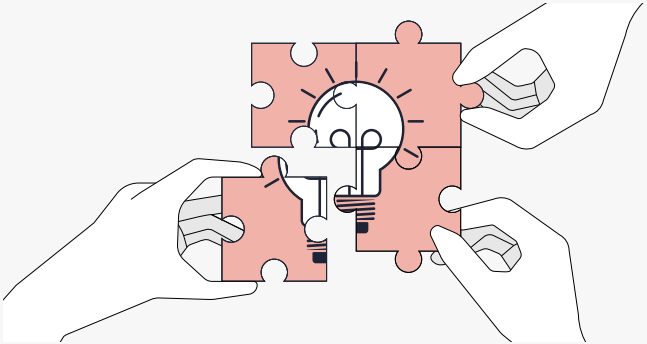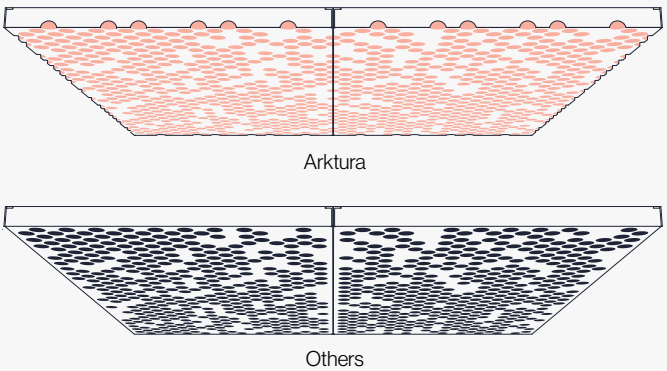
Easy Installation & Access

Vapor® Graphic Perf® 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. Vapor® Graphic Perf® patterns have perforations that wrap around the edges of each panel, concealing where patterns start and end.

Arktura

Others

Integrated Lighting Options

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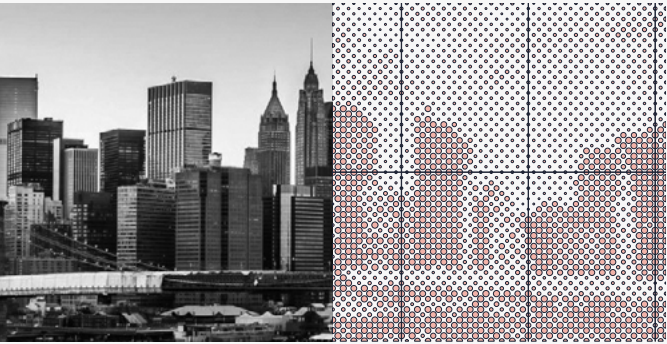
Collaborative Process

Our project managers translate your goals and design opportunities into a precise workflow. We factor in all base building criteria, then produce detailed software-generated shop drawings to guide our precision manufacturing.

Customizable Pattern

Apply your creative vision to a standard system. We turn your image or custom pattern into easy-to install perforated panels to create your desired effect across walls and ceilings.
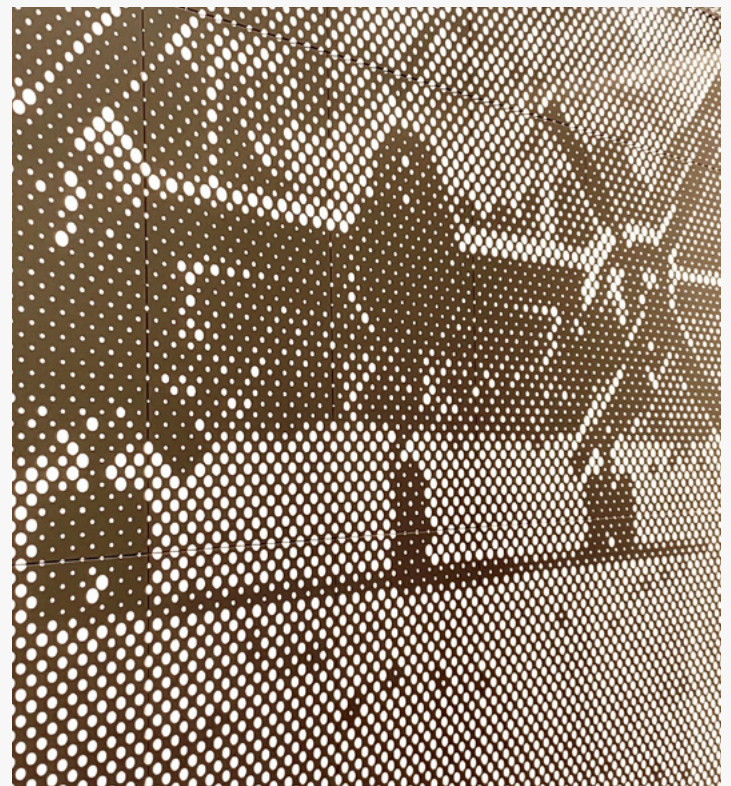
Inspiration

Create Eye-Catching Features

Differentiate Your Space with Unique Visuals

Illuminate Your Space with Arktura Backlighting
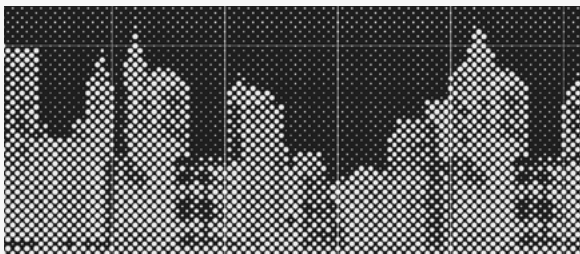
Overview

1 Graphic Perf Process

Option A: Photoreal

Your Image
The Graphic Perf® process starts with your image. Select the photo, logo, or graphic you want translated to metal. Inquire about available scripted options.

Translation
Our proprietary software help translate your image into pattern, spanning across panels to fit your desired space, and the needs of your project.
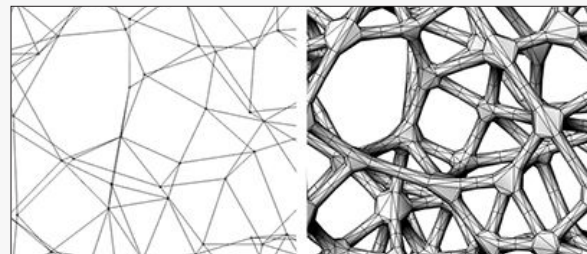

Perforation
We use state-of-the-art tools and techniques to precision manufacture seamlessly tileable grid compatible panels that bring your image to life.
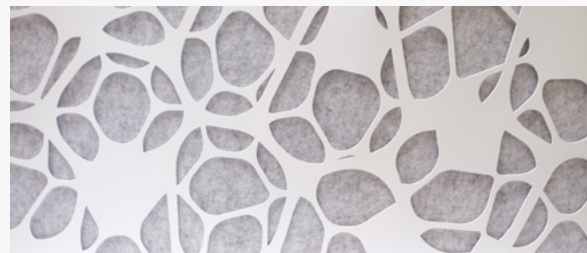
Option B: Scripted

Inspiration
You provide the reference, be it an image or sketch.

Computer Generated Artwork
Our software allows for a multitude of options to individually design each shape, perforation, and opening of your artwork.


Perforation
We use state-of-the-art tools and techniques to precision manufacture seamlessly tileable grid compatible panels.
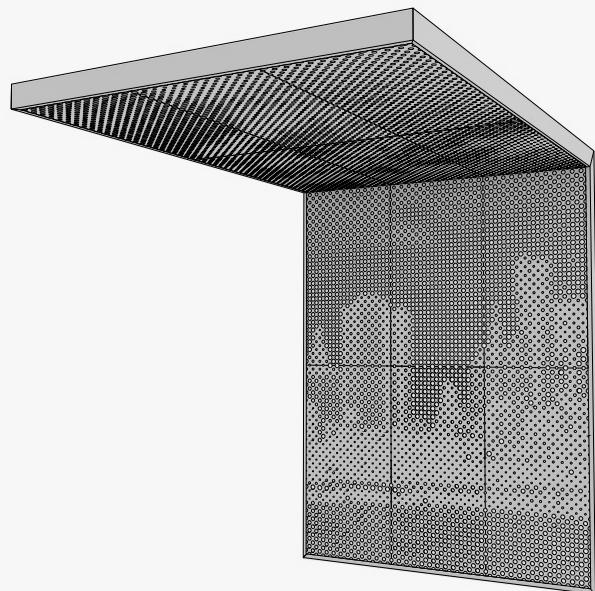
2 Understanding the System

Standard Panel Sizes

Vapor® Graphic Perf® converts your design or image to metal across 24" x 48" panels, with custom sizes available up to 96" long and 36" wide.

96"

48"

60"

24"

24"

36"

Standard size

Custom size (max.)

Custom size (max.)
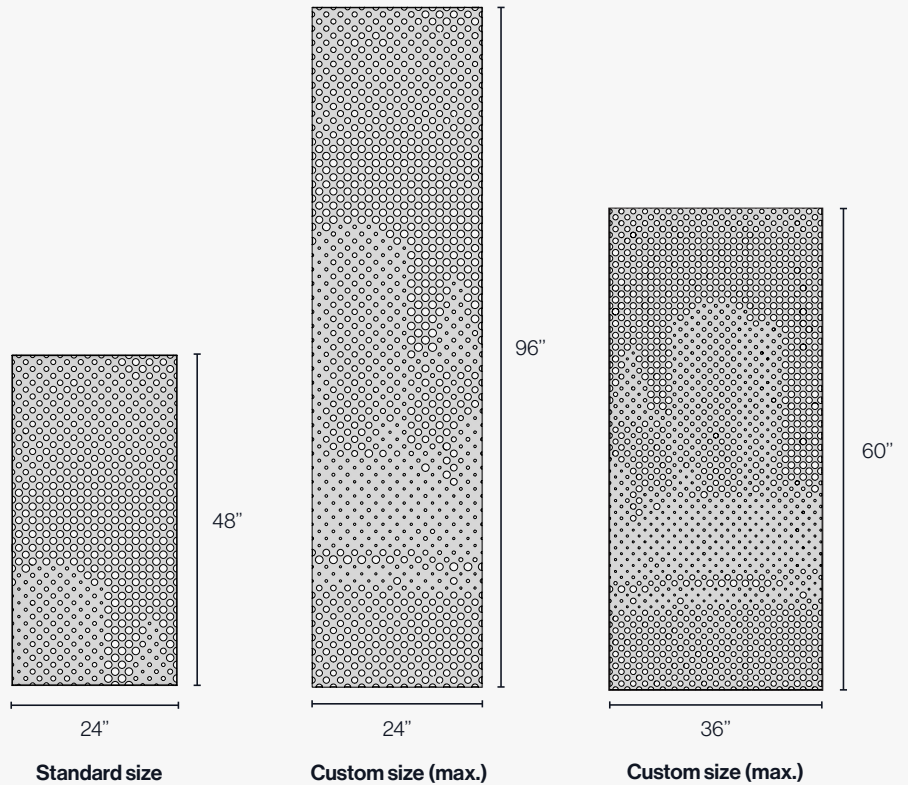
Flexible Across Walls & Ceilings

Vapor® Graphic Perf® works equally well across walls or ceilings, and allows for seamless continuity of imagery and pattern across transition points.
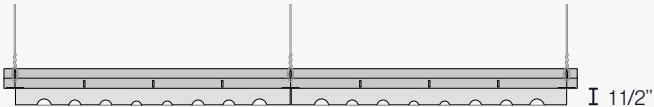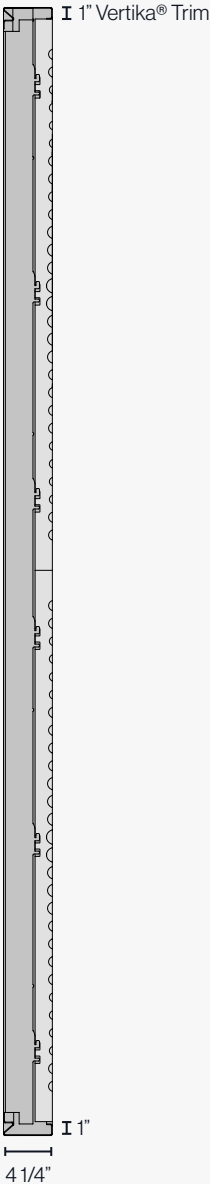
② Understanding the System

Understanding the Panel

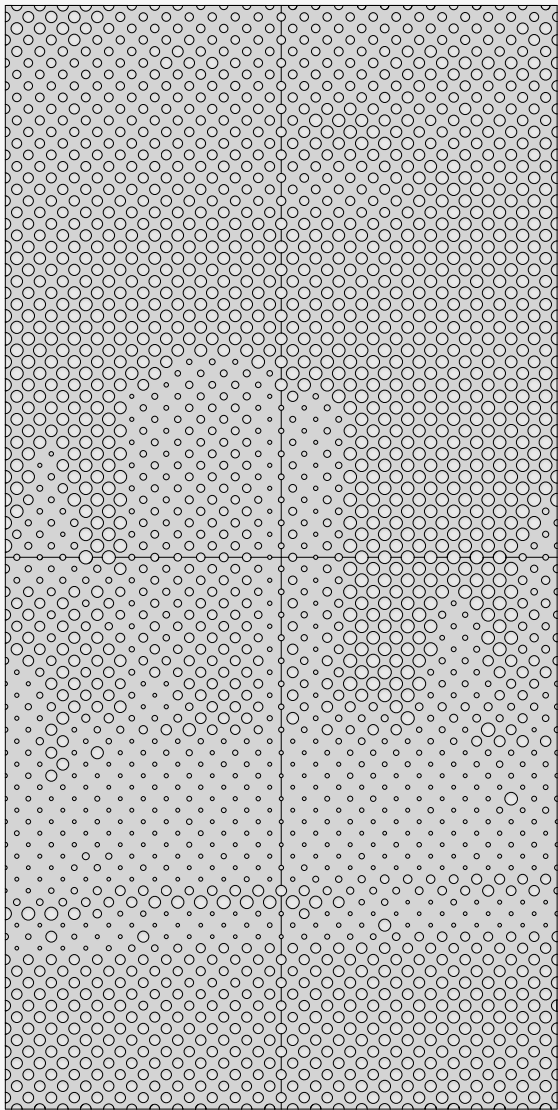We lay out your image seamlessly across panels and provide easy-to-follow instructions to use during installation.

Ceiling Section

I 1 1/2"

Wall Section

I 1" Vertika® Trim

Panel Configuration, Wall or Ceiling

Heights up to 96" *

I 1"

4 1/4"

Widths up to 36" *

* Max sizes of 36" x 60" or 24" x 96". For larger panel sizes please contact your local rep.

⚠ All dimensions nominal.

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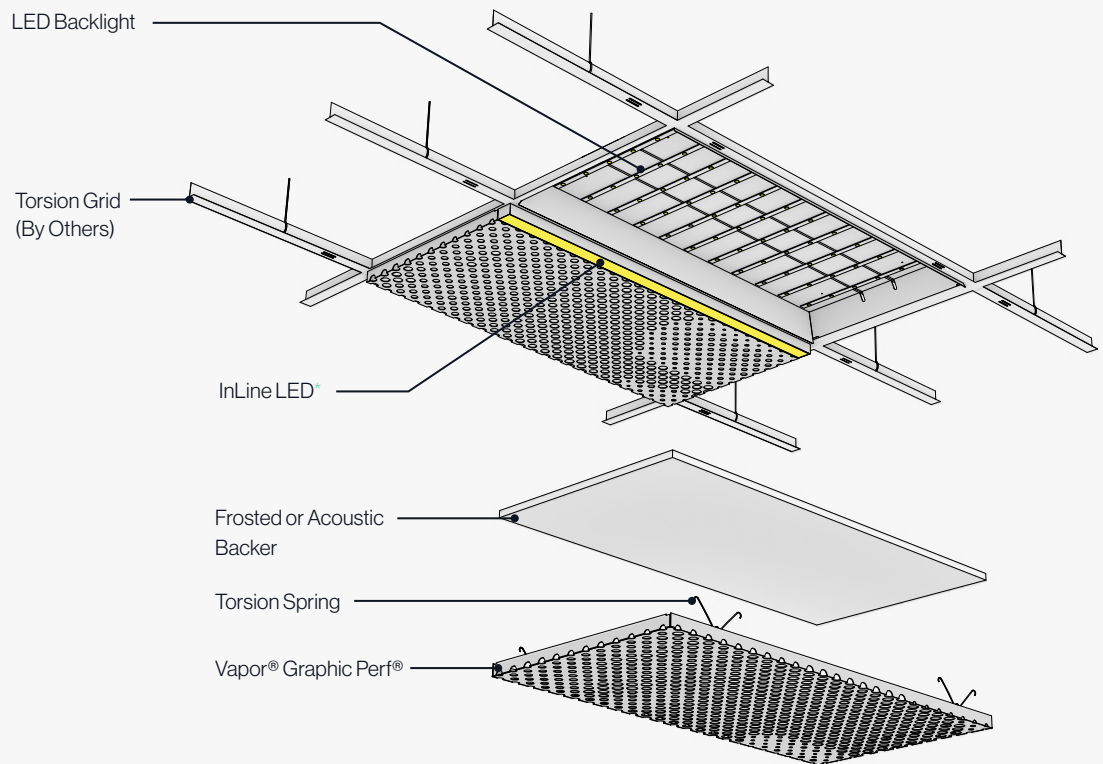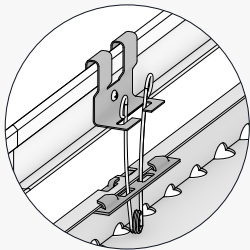##2 Understanding the System

Accessory Options - Ceiling

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

ⓘ Check out our Configuration examples on PAGE 11.

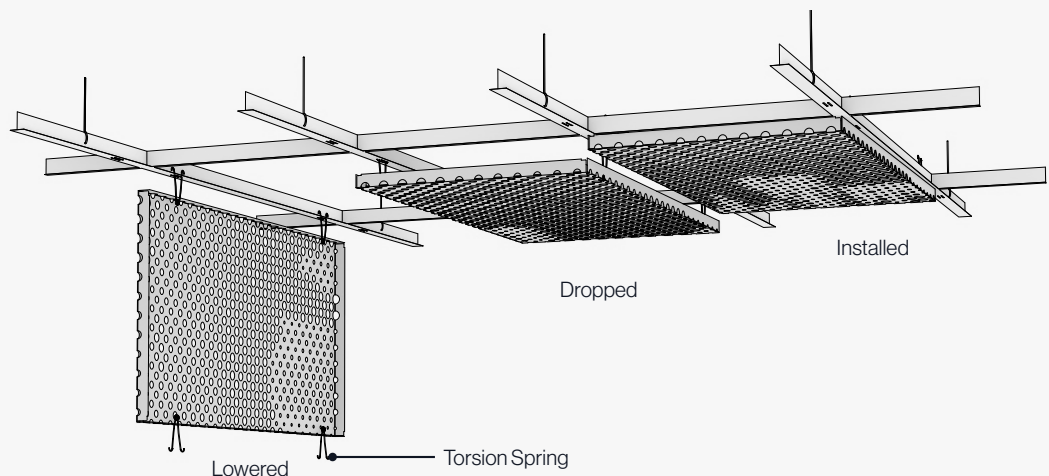* A Specific Inline light panel is used to accomodate the width of the fixture within the 2' width.

Torsion Spring Adapter Clip

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

LED Backlight

Torsion Grid (By Others)

InLine LED*

Frosted or Acoustic Backer

Torsion Spring

Vapor® Graphic Perf®

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

www.arktura.com | info@arktura.com   *Fueling Possibilities®* | 8
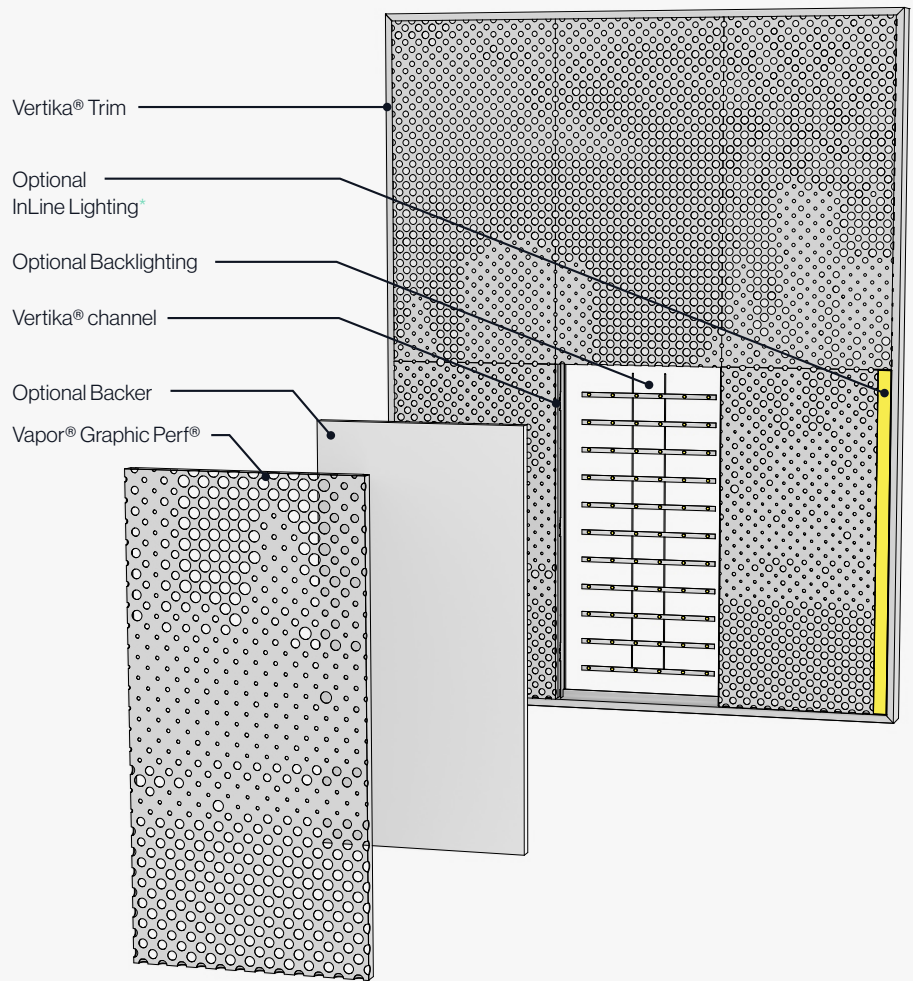
② Understanding the System

Accessory Options - Wall

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

ⓘ Check out our Configuration examples on PAGE 11.

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

Vertika® Trim

Optional
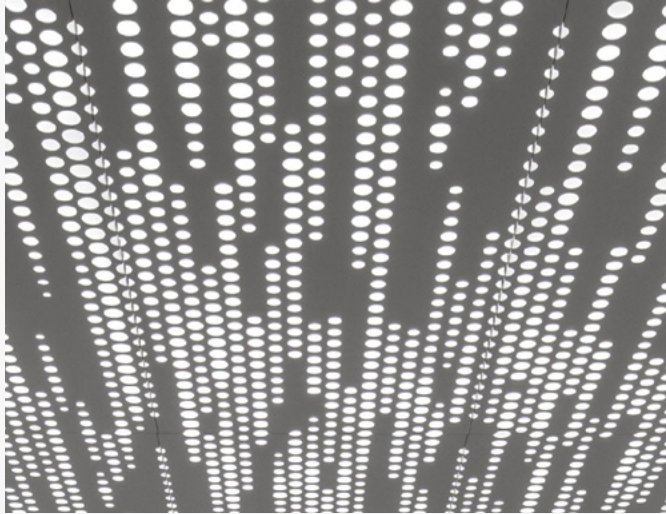InLine Lighting*

Optional Backlighting

Vertika® channel

Optional Backer

Vapor® Graphic Perf®

Attachment System - Wall

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

Vapor® Graphic Perf®

Hooks

Vertika® channel
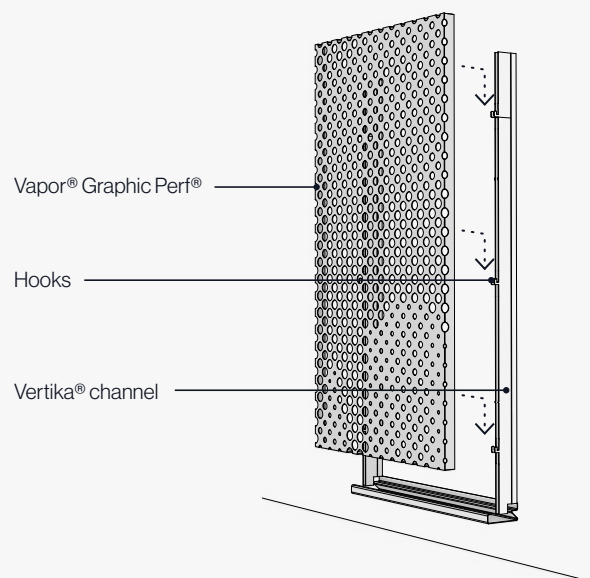
3 Optional Accessories
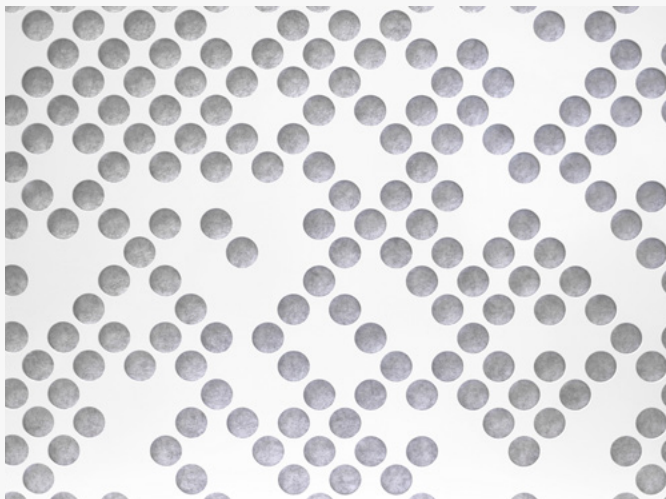
Lighting

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 16.

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 18.

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.
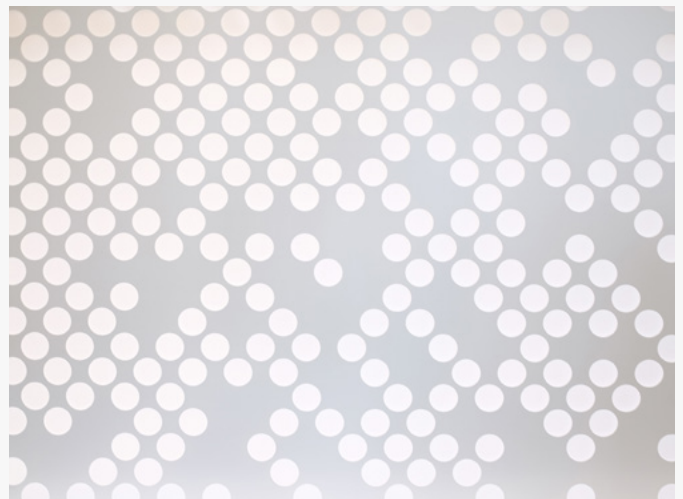
Translucent Backer

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

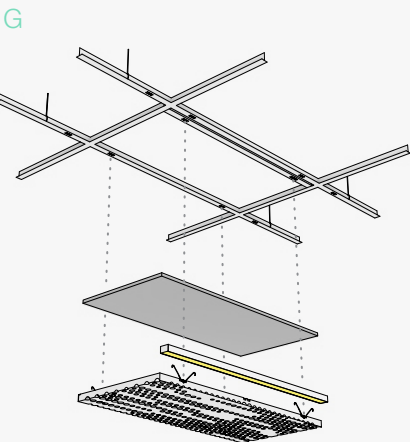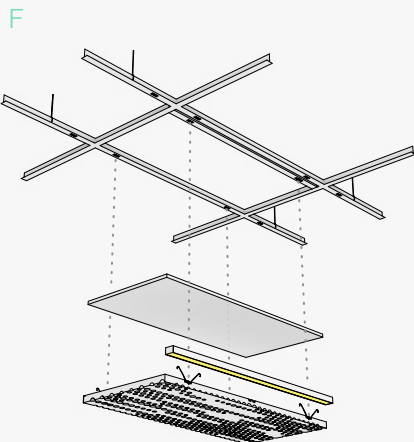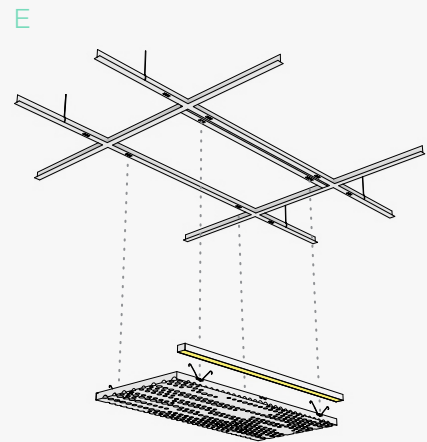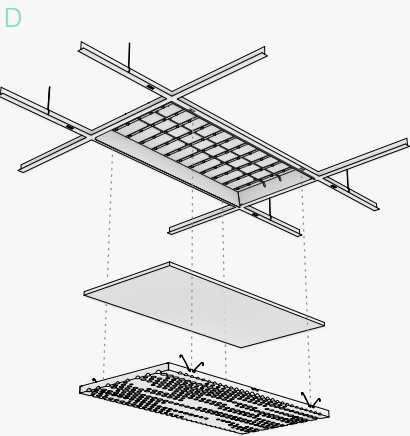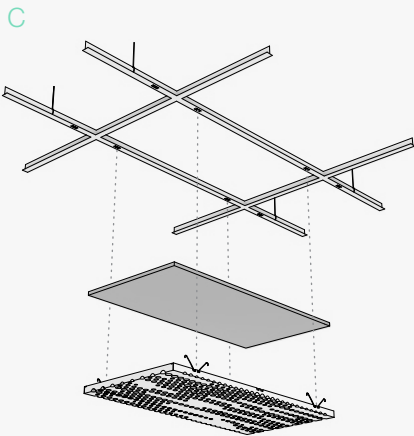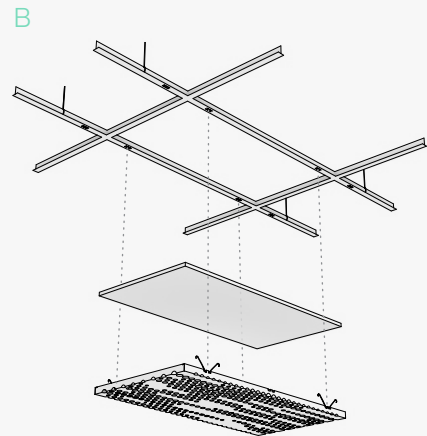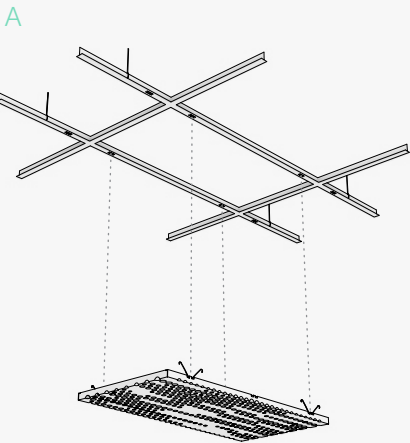ⓘ Illustrative diagrams. Perforations will be custom to your design.

③ 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
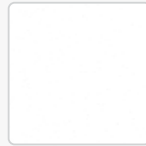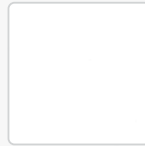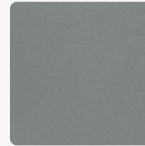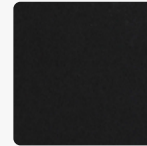

C

D

E

F

G

ⓘ Illustrative diagrams. Perforations will be custom to your design.

4 Available Finishes
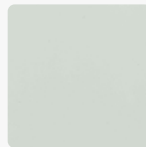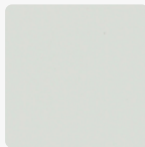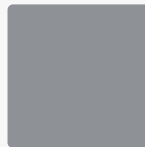
Aluminum Panel

Powder Coat
Standard
Finish

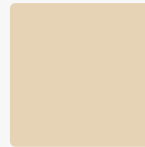|						
T-Grid White* (Matte)	Arktura White (Matte)	Brilliant White (Gloss)	Silver Metallic (Semi Gloss)	Jet Black (Matte)	Coffee	Azure
Aviator Gray (Gloss)	Aviator Gray (Matte)	Steel Gray	Shadow	Midnight	Torch	Blue Steel
Raw Umber	Caramel	Sandstone	Oat	Sunflower	Spirit Red (Matte)	Forest Green
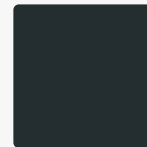
Powder Coat
Premium Metallic
Finish
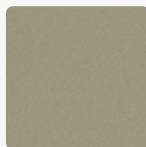
Chilled Champagne (Semi Gloss)
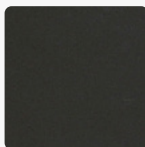
Burnished Bronze (Semi Gloss)

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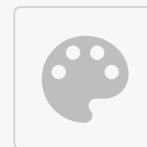
Non-stock RAL
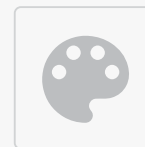
Non-stock Metallic

Premium Finish x PURE+FREEFORM

Patinas
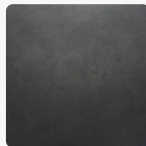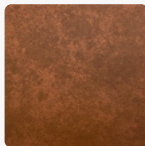
Hollywood   Parisian Rust   Hampton Brass   Vintage Nickel
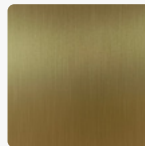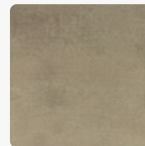
Wood Texture
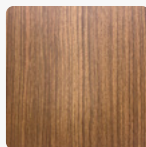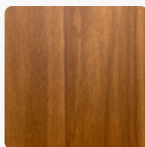
Roma Noce   Rustic Timber   Autumn Cherry   Pearl White Oak   Miele Maple
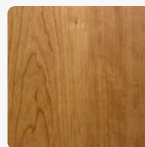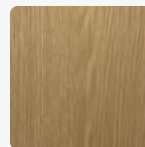
* This color was designed to pair with Armstrong color "WH" grid and trim.

ⓘ 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.

④ 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
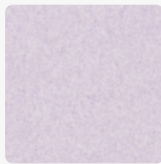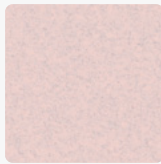
**Soft Sound®
Elementals**
Standard
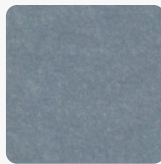
Ube	Baltic	Caspian	Cortez	Honey
Sienna	Truffle	Morel	Cypress	Pebble
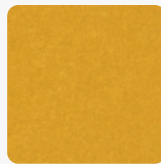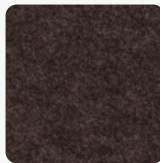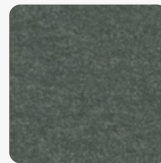
⚠ Due to the nature of non-woven materials, light may pass through Soft Sound® in any thickness or color. A translucent appearance is most apparent in lighter colors and thin material when a light source is present behind the material. Arktura makes no claims or warranties about the material performing as opaque in any circumstance. To verify a products performance for light transmittance, a mockup of the specific intended use is recommended.

④ 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		
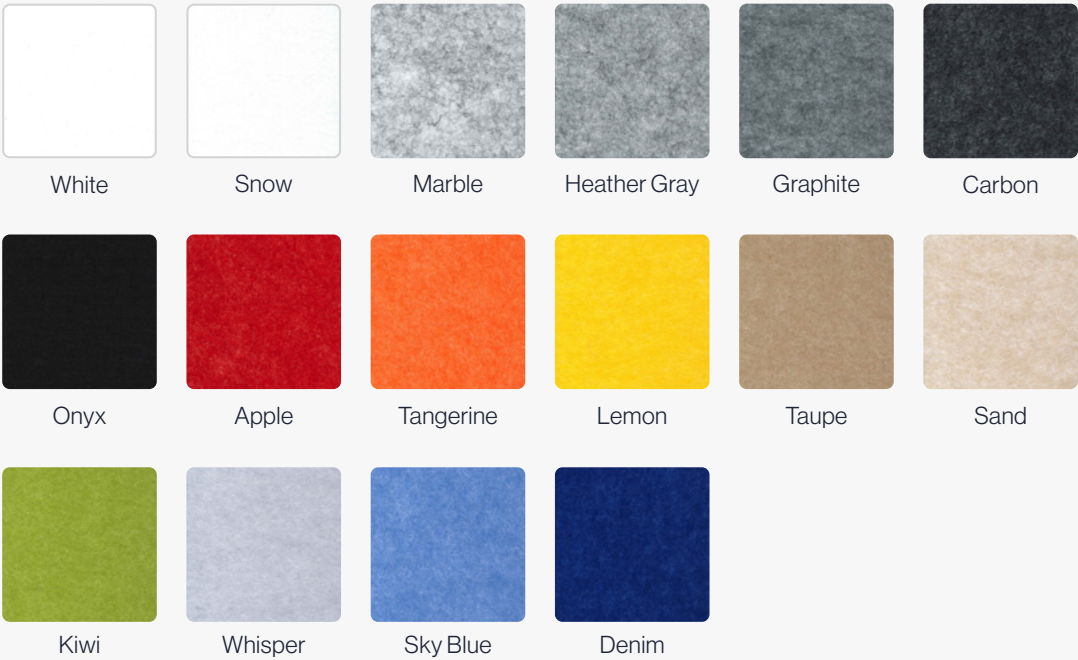
**Soft Sound®
Wood Texture**
Premium

ⓘ As with natural wood, variation in color and grain is expected and grain will not align across panels.
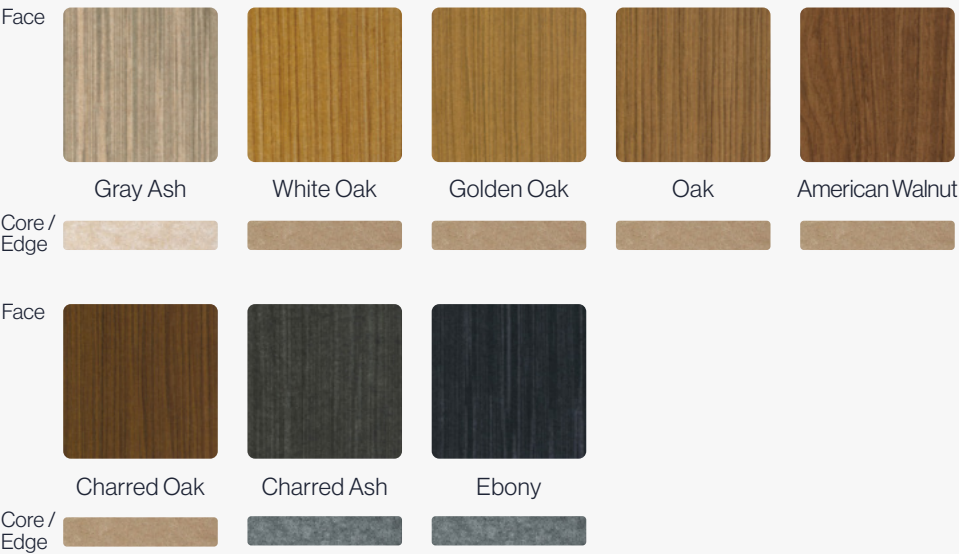
Face					
	Gray Ash	White Oak	Golden Oak	Oak	American Walnut
Core / Edge					

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.

⑤ Product Specifications & Certifications

System Specs

Panel Size (WxHxD)	2' x 4' x 1 ½" (Standard Size)	3' x 8' x 1 ½" (Custom Max. Size)
Material	Aluminum	
Openness in Plan	Varies by design	
Fire Rating	ASTM E84 - Class A	
Acoustics (with optional Soft Sound® backer)	True NRC® Up to 0.90 (Pattern Dependent)	
Ceiling Attachment	Torsion Grid (By Others)	
Wall Attachment	Vertika® Wall (Refer to Vertika® Brochure)	
Accessibility	Torsion Spring Hinge	
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
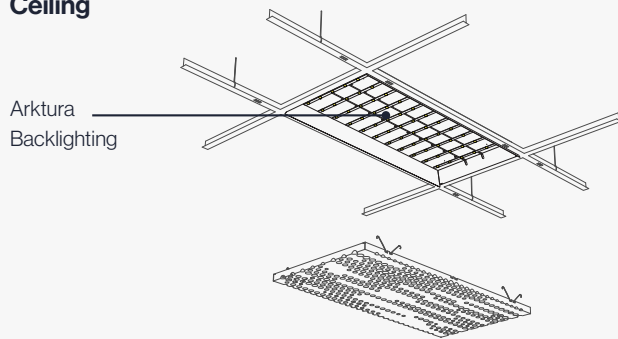
Sections - Ceiling

Front view

Side view

T-Grid

1½"

2¾" 4⅜"

2'-0"

4'-0"

Vertika® Wall
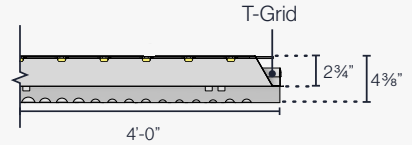
Arktura Backlighting
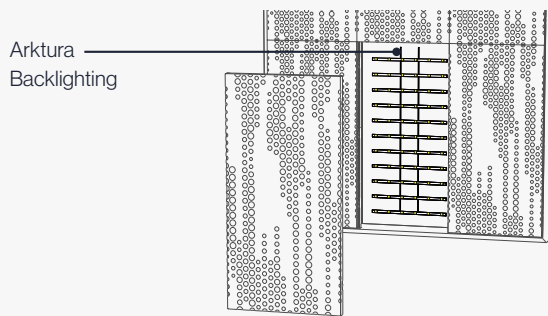
Sections - Wall

Top view

Side view

2'

Arktura Backlighting
Vertika®
Panel

4¼"

4'

4¼"
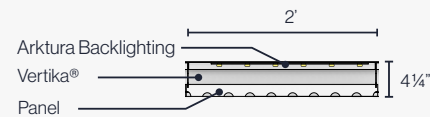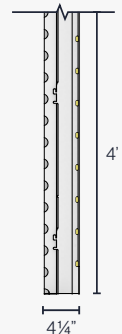
Specs

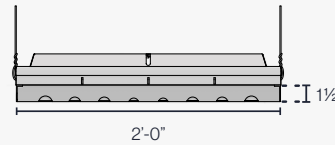| Product Features	Arktura Backlighting Eco 2x4 Panel	Arktura Backlighting 2x4 Panel
Power Consumption	18W 24VDC .75A	65W 24VDC 2.7A
Delivered Lumens	Please Reference Next Page for Specific Openness by Pattern	
CRI	90+	
Color Temperatures	3000K, 3500K, 4000K	
Size (LxWxD)	24"x48"x3 1/4"	
Optics/Beam 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	
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
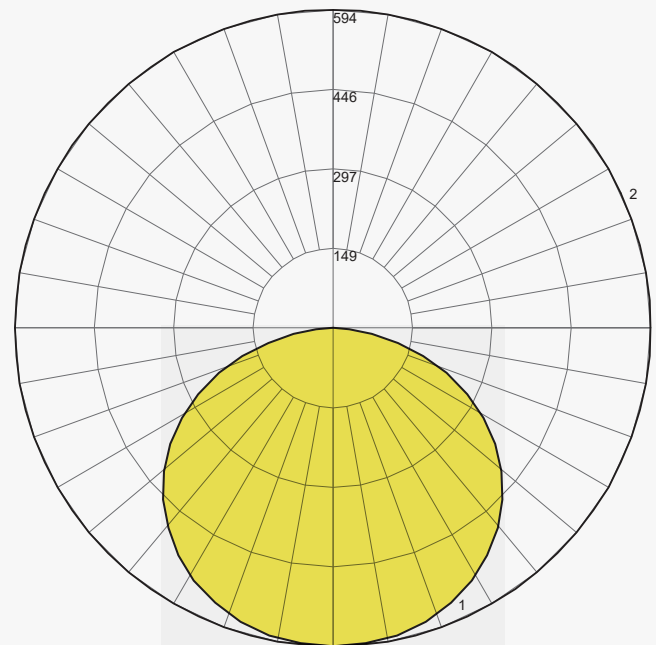
* Reperesents a 40 % Openness Pattern.

ⓘ 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

Arktura
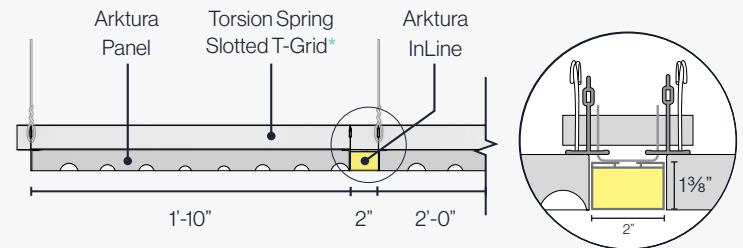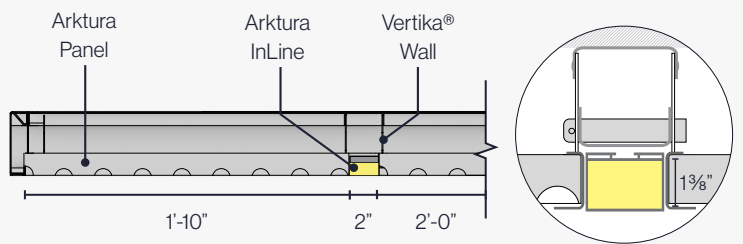InLine Lighting

Vertika® Wall

Arktura
InLine Lighting

Elevations - Ceiling

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

1'-10"   2"   2'-0"   1⅜"
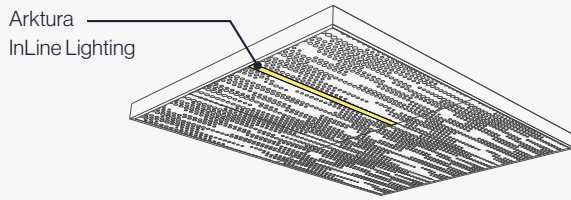
*7301TS Prelude XL 12' HD Main Beam slotted for torsion spring.

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
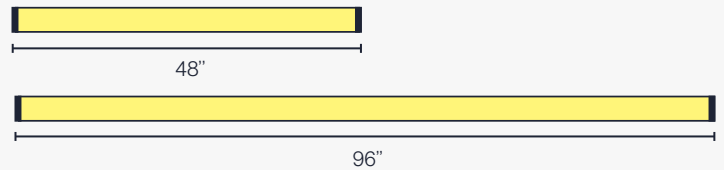
Universal Specs

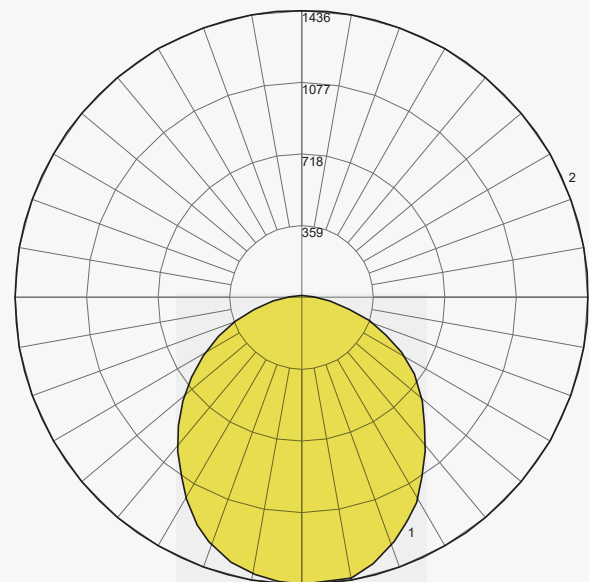|	
CRI	90+
Color Temperatures	3000K, 3500K, 4000K**
Operating Temperatures	-20C - +50°C (-4F - +122°F)
Dimming Options	TRIAC/Phase, ELV, MLV, 0-10V, When Paired with Arktura LED Driver
Cable	Factory Installed Plenum Rated CL3P Cable, 18AWG 4FT Cable
Enviroment	Indoor Locations Only
Markings	ETL Listed, 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.)

ⓘ Illustrative images. Patterns may not match the product.

* Efficiency at 3500K 90CRI

** Consult factory for custom color temperatures.