





SoundScapes® Blades panels offer virtually unlimited design options through a variety of shapes, depths, colors, and installation options.

SoundScapes Blades panels offer many benefits:

- ► Three installation options for maximum design flexibility:
  - Attach to standard 15/16" suspension system
  - Suspend individually using a hanging kit
  - Direct-attach to both ceilings AND walls using Axiom® wall molding
- ► Hundreds of design combinations
- ► Excellent sound absorption 1.38 Sabins/SF
- Integrated hardware
- Available in 14 standards colors and made-to-order Sherwin-Williams® colors

SoundScapes Blades vertical panels and custom WoodWorks Grille wall panels
Lake Stevens Elementary School,
Lake Stevens, WA
NAC Architecture, Seattle, WA

More Options = More Designs





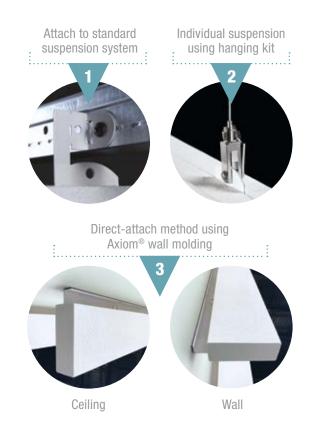
▲ Custom SoundScapes Blades Rectangles in varying lengths and depths in White; Cornerstone Academy, Atlanta, GA; Chapman Coyle Chapman Architects, Atlanta, GA



# It's all about THE LINES

Straight or wavy, intersecting or parallel, monochromatic or multi-colored — the design options with Soundscapes® Blades panels are vast. Find a sampling of our favorite designs in perspective and plan-view drawings on the next few pages.

Now, with three ways to install on ceilings and walls you have even more options. CAD/Revit® files are available on the web and TechLine.

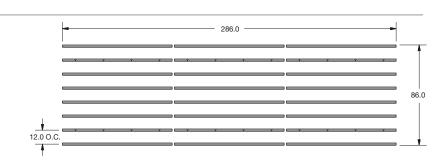


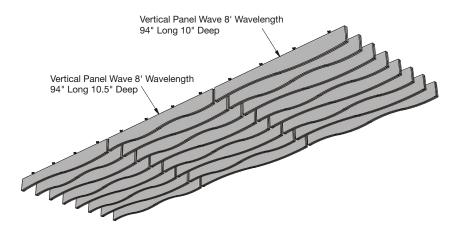
# Straight Layout

24 x 7 x 0.8' module with items 7244, 7248

#### **INSTALLATION METHODS**

- Suspension System
- Direct-attach



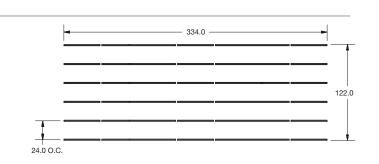


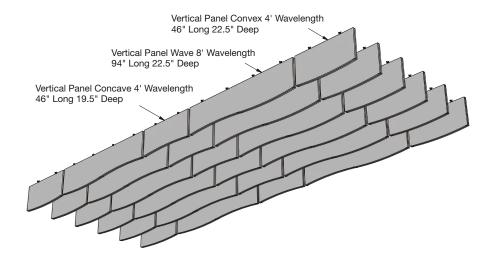
# Straight Layout

28 x 10 x 1.8' module with items 7242, 7243, 7245

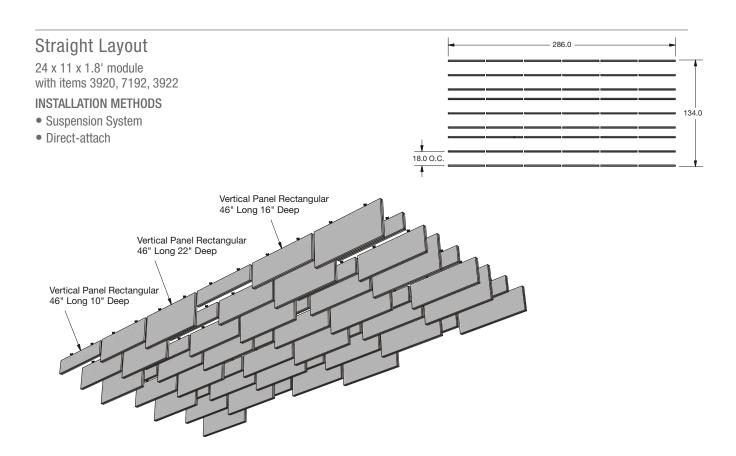
### **INSTALLATION METHODS**

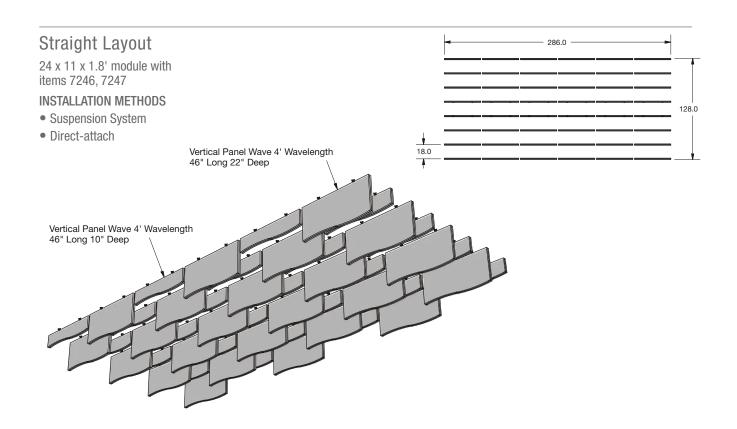
- Suspension System
- Direct-attach

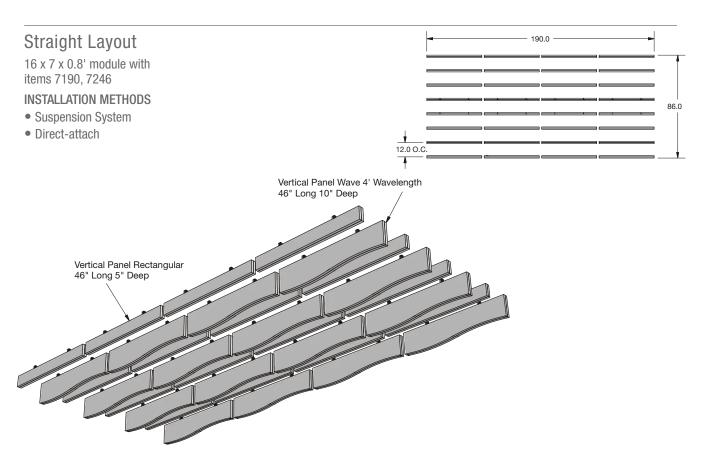




# Straight Layout 20 x 11 x 1.8' module with items 7241, 7242 INSTALLATION METHODS • Suspension System • Direct-attach Vertical Panel Concave 4' Wavelength 46' Long 19.5' Deep Vertical Panel Convex 4' Wavelength 46' Long 10.5' Deep





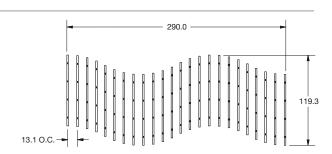


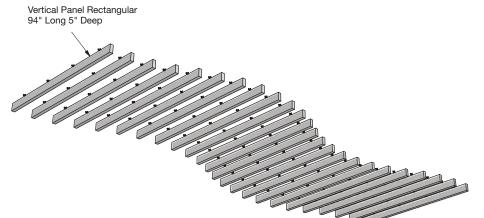
# Horizontal Wave Layout

24 x 10 x 0.8' module with item 7191

### **INSTALLATION METHODS**

- Hanging Kit
- Direct-attach



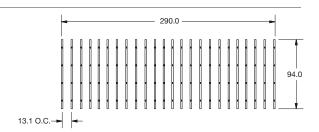


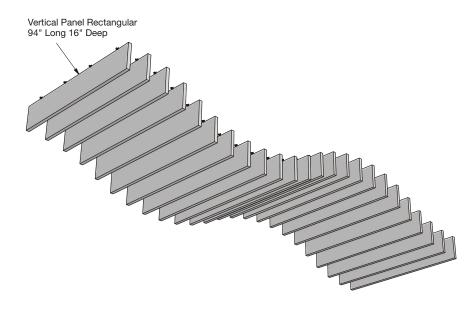
# Vertical Wave Layout

24 x 8 x 5.3' module with item 7193

## **INSTALLATION METHODS**

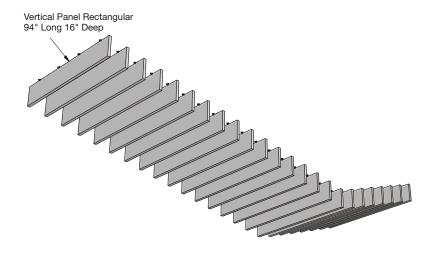
Hanging Kit





# Valley Layout 28 x 8 x 4.7' module with item 7193 MODULE • Hanging Kit

14.8 O.C.-

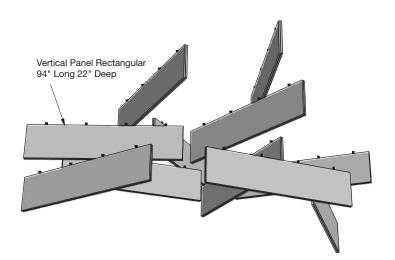


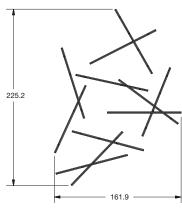
# Chandelier Layout

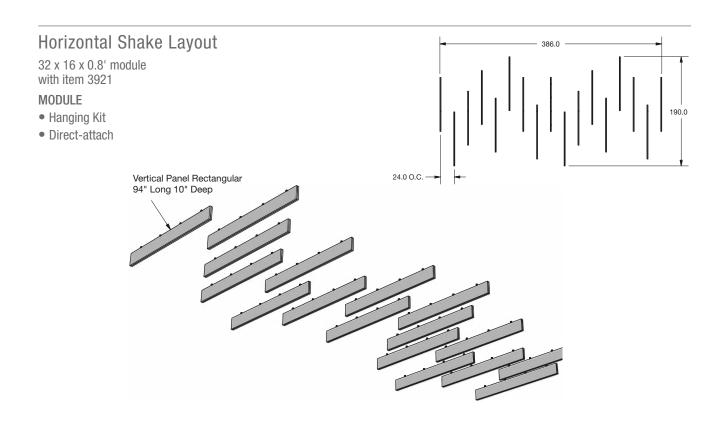
19 x 14 x 7.8' module with item 3923

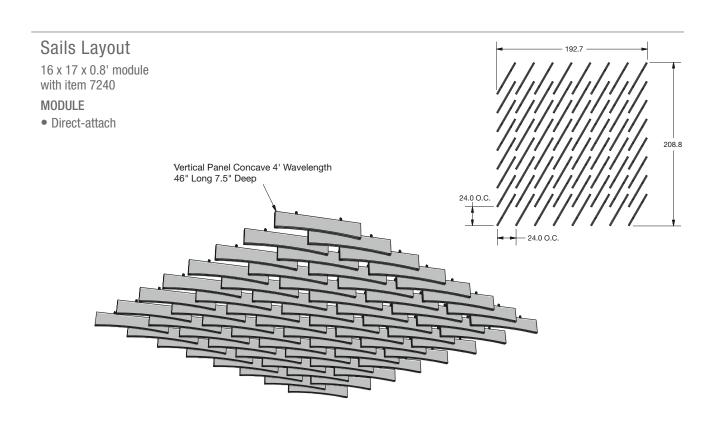
### **MODULE**

Hanging Kit

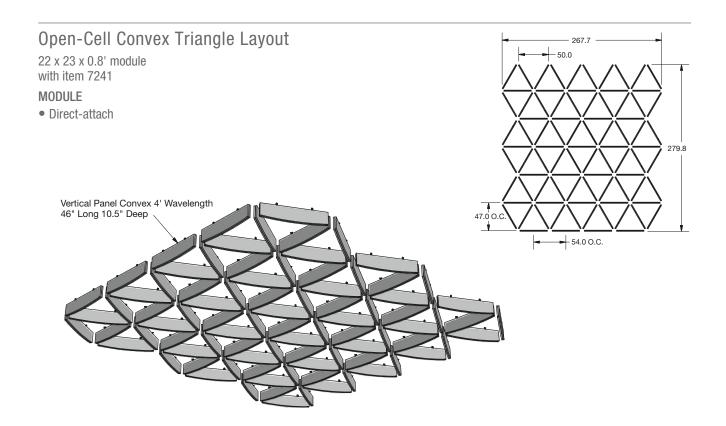




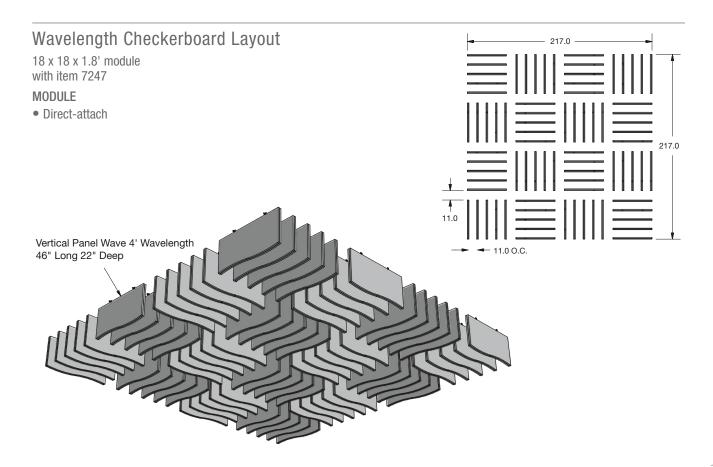


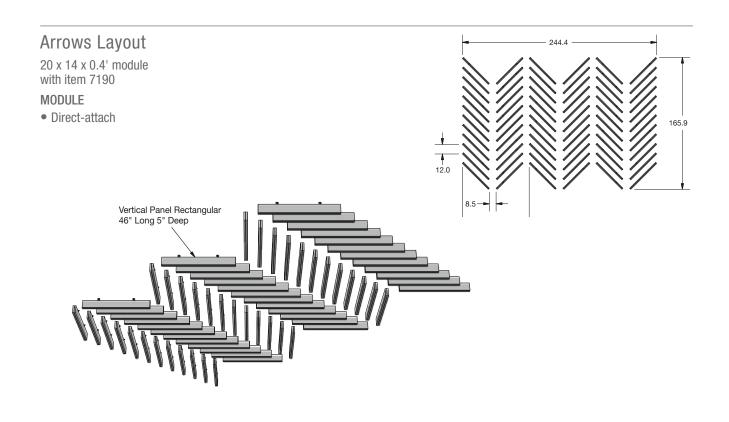


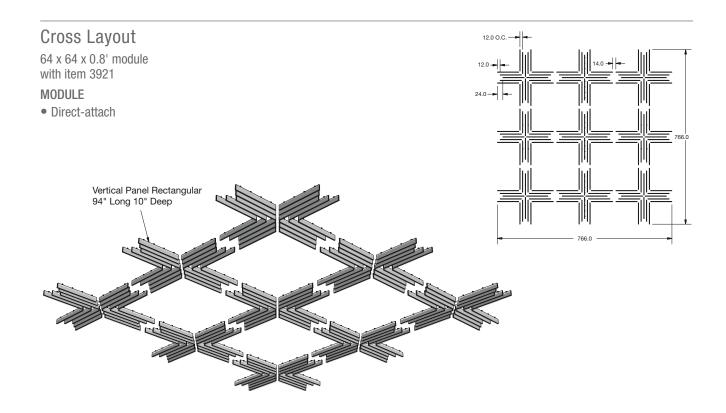
# Open-Cell Parallelogram Layout 28 x 32 x 1.3' module with items 7192, 7193 MODULE • Direct-attach Vertical Panel Rectangular 46" Long 16" Deep 96.0 48.0



# Checkerboard Layout 18 x 18 x 1.8' module with item 7192 MODULE • Direct-attach Vertical Panel Rectangular 46' Long 16' Deep 11.0 O.C.





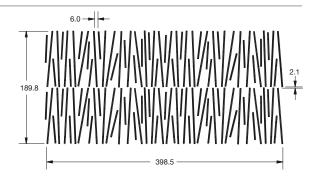


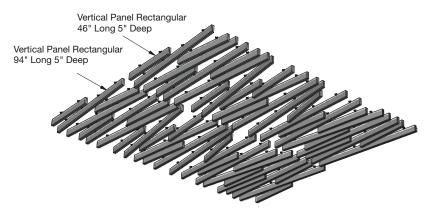
# **Divergent Layout**

 $20\ x\ 16\ x\ 0.4^{\prime}$  module with items 7190, 7191

#### **MODULE**

• Direct-attach



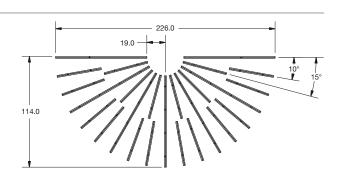


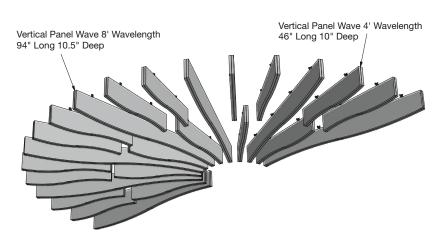
# Sunburst Layout

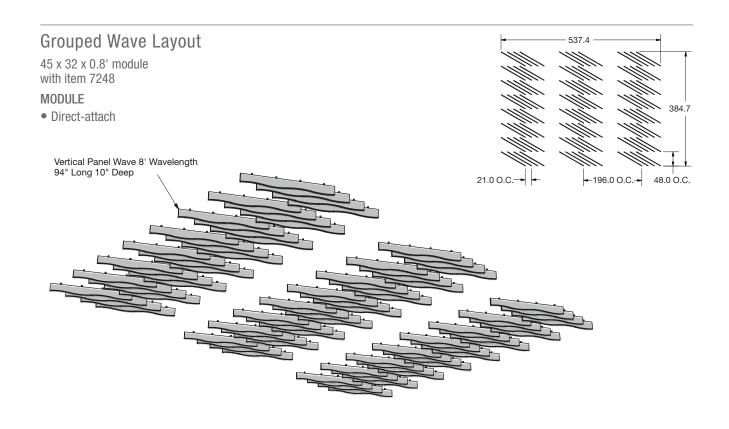
22 x 10 x 0.8' module with items 7244, 7246

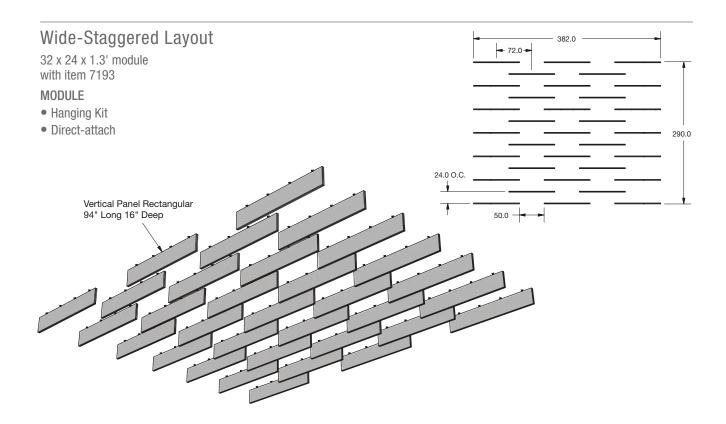
### **MODULE**

Direct-attach









# Spotlight<sup>™</sup> Acoustics

Sound absorption is measured in Sabins. A Sabin is the unit of total sound absorption provided by a "space absorber" such as a cloud, canopy, blade, or baffle installed within an architectural space.

#### Acoustical absorption is important to:

- Reduce noise levels and reverberation time
- Enhance speech intelligibility

#### Reverberation Time (RT)

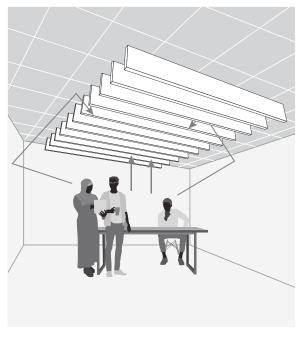
Reverberation Time (RT) is the persistence of sound in an enclosed space after the source of the sound has stopped. The level of the reverberant sound within a room is dependent on both the volume of the room and the amount of sound absorption installed within the room, such that small, hard-surfaced rooms are "louder" than large, well-treated rooms.

#### Rules of thumb:

Short RTs (< 1 sec) are preferred for high-quality speech intelligibility in classrooms and open plan office spaces.

Long RTs (> 1.4 sec) are preferred for lively acoustic environments such as auditoriums and hospitality.

Acoustical solutions, like canopies, clouds, baffles, or blades vertical elements installed in a way that covers 8% to 50% of the ceiling, will provide significant reverberation time improvement since sound is absorbed from both the front and back of the panels. Blades are especially effective as the required ceiling coverage is much smaller to get the RT reduction because most of the surface area is vertical.



SoundScapes Blades panels in White provide 1.38 Sabins/ft<sup>2</sup>

# Comparison: Exposed Structure Options Versus Continuous Ceiling

Example:	Exposed Structure	Blades & Baffles	Direct-To-Deck	Canopies & Clouds	Continuous Ceiling
1,000 SF Exposed Structure (40' x 25'), 15' to deck, drywall with 20% window coverage and commercial carpet	No Treatment (0% Coverage)	SoundScapes Blades (8% coverage)	InvisAcoustics™ (50% coverage)	SoundScapes Shapes (50% coverage)	Continuous Optima® Ceiling (100% Coverage)
Ceiling	Exposed Structure	60 Blades (10 x 94 x 2")	62 Panels (24 x 48 x 3/4")	32 Shapes 48" x 48" Squares	Suspended 60" Below Deck
Absorption	0	1.38 Sabins/ft²	0.75 NRC	1.49 Sabins/ft <sup>2</sup>	0.90 NRC
Reverberation Time (RT)		0.8 sec rred for high-quality speech inte ferred for lively acoustic environ			0.5 sec
Reverberation Time Improvement	-	67%	54%	67%	79%
Noise Reduction	-	-3.6 dB	-2.6 dB	-3.6 dB	-4.5 dB

Linear Acoustical Panels fine texture

Custom looks with standard products



CAD/Revit® drawings at: armstrongceilings.com/cadrevit



Wall application

plus capabilities



armstrongceilings.com/capabilities See more photos at: armstrongceilings.com/photogallery

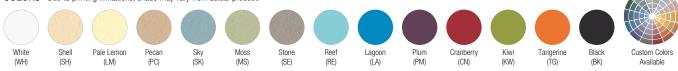
△ Custom SoundScapes® Blades, Rectangular in varying lengths and depths

#### Acoustical vertical panels reduce reverberation time in your space, now with three ways to install on ceilings and walls.

#### **KEY SELECTION ATTRIBUTES**

- · Three installation options for maximum ceiling and wall design flexibility
- From standard suspension system
- From individual cable suspension
- Direct-attach method using Axiom® wall molding
- · Excellent sound absorption -1.38 Sabins/SF
- · 20 vertical panel sizes and shapes
- · Mold- and mildew-resistant surface
- · Linear, upscale visual
- · Seismic-tested
- · Integrated hardware
- · Custom panel options available
- · Add scrim to top edge as a premium option

COLORS Due to printing limitations, shade may vary from actual product.

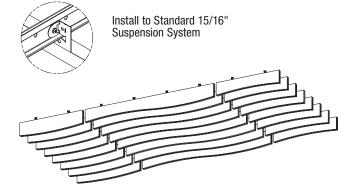


For premium and custom capabilities, contact TechLine at 877 276-7876.

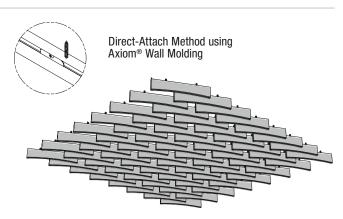
Linear Acoustical Panels fine texture



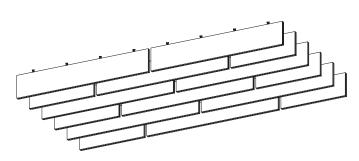
#### LAYOUT OPTIONS



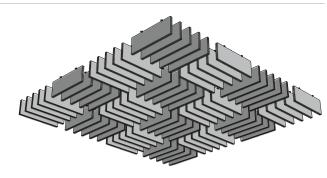
Vertical Panel 4' Wavelength Concave 7240 - 7.5 x 46 x 2" Vertical Panel 4' Wavelength Convex 7241 - 10.5 x 46 x 2" Vertical Panel 8' Wavelength Wave 7244 - 10.5 x 94 x 2"



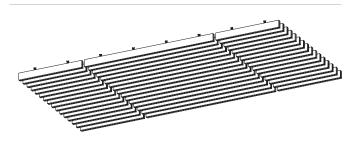
Vertical Panel 4' Wavelength Concave 7240 - 7.5 x 46 x 2"



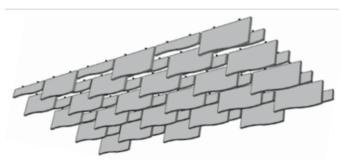
Vertical Panel Rectangular 7192 – 16 x 46 x 2" Vertical Panel Rectangular 7193 – 16 x 94 x 2"



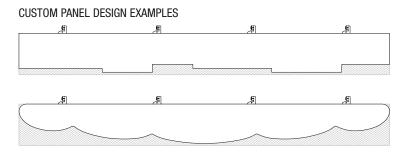
Vertical Panel Rectangular 7192 - 16 x 46 x 2"

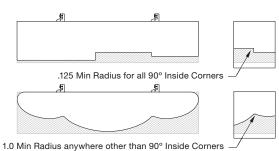


Vertical Panel Rectangular 7190 - 5 x 46 x 2" Vertical Panel Rectangular 7191 - 5 x 94 x 2"



Vertical Panel 4' Wavelength Wave  $7247-22 \times 46 \times 2$ " Vertical Panel 4' Wavelength Wave  $7246-10 \times 46 \times 2$ "





Linear Acoustical Panels fine texture



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VISUAL SELECT	ΓΙΟΝ Shov	vn in elevation vie	w		PERFO	RMAN	CE Dot	ts represen	t high lev	el of pe	erforma	nce.		
					-6	(White only)		Bio- Block®	Humi- Guard+		DURAE	BILITY		
	Item No.•	Description	Dimensions (Inches)		Sound (Sabins/SF)	Light	Fire Rating	Anti-Mold/ Milderw	Sag Resist	Wash Wash	Impact	Scratch Scratch	Soil	
SOUNDSCAPES® Blades Vertical Panel Rectangular	7190	Vertical panel Rectangular	5 x 46 x 2"	24° ————————————————————————————————————	1.38	0.90	Class A	•	٠	•	•	•	•	
	7191	Vertical panel Rectangular	5 x 94 x 2"	11" + 24" + 24" + 11" + 3	1.38	0.90	Class A	٠	٠	0	٠	٠	0	
	3920	Vertical panel	10 x 46 x 2"	11° + 24° + 11° - 10°	1.38	0.90	Class A	٠	٠	٠	٠	٠	0	
	3921	Vertical panel	10 x 94 x 2"	11° 24° 24° 11° 11° 10° 10° 10° 10° 10° 10° 10° 10	1.38	0.90	Class A	•	٠	٠	٠	٠	•	
	7192	Vertical panel Rectangular	16 x 46 x 2"	24° ————————————————————————————————————	1.38	0.90	Class A	٠	٠	٠	٠	٠	٠	
	7193	Vertical panel Rectangular	16 x 94 x 2"	24° 24° 11° 11° 11° 11° 11° 11° 11° 11° 11° 1	1.38	0.90	Class A	۰	٠	•	•	•	•	
	3922	Vertical panel	22 x 46 x 2"	24° — 11° — 24° — 24° — 22° — 46° — 46°	1.38	0.90	Class A	٠	٠	0	٠	٠	0	

NOTE: Scrimmed top edges offered as "Premium." EXAMPLE: BPAS3920S6WH, where "S6" = scrimmed all sides. 
\* Add 2-letter color suffix to end of item number (e.g., 7190  $\underline{W}$   $\underline{H}$  = White)



**Linear Acoustical Panels** fine texture



							LOCATION DEPENDENT								
VISUAL SELECT	ΓΙΟΝ Sh	own in elevation v	riew		PERFO		CE Dot	s represent		el of per	formar	ice.			
					- (1)	(White only)		Bio- Block®	Humi- Guard+		DURAE	BILITY			
	Item No.	Description	Dimensions (Inches)		Sound Absorption (Sabins/SF)	Light Reflect	Fire Rating	Anti-Mold/ Milderw	Sag Resist	Wash Wash	Impact	Scratch	Soil		
SOUNDSCAPES® Blades Vertical Panel Wave	3923	Vertical panel	22 x 94 x 2"	24" 24" 11"	1.38	0.90	Class A	۰	٠	•	٠	۰	•		
	7194	Vertical panel Rectangular	28 x 46 x 2"	24" 11" 22"	1.38	0.90	Class A	•	٠	•	٠	•	•		
	7195	Vertical panel Rectangular	28 x 94 x 2"	24" 24" 11" 24" 24" 24" 24" 24" 24" 24" 24" 24" 24	1.38	0.90	Class A	٠	٠	٠	٠	٠	•		
	7240	Vertical panel 4' Wavelength Concave	7.5 x 46 x 2"	7.5°	1.38	0.90	Class A	•	٠	•	۰	٠	•		
	7241	Vertical panel 4' Wavelength Convex	10.5 x 46 x 2"	11"	1.38	0.90	Class A	٠	•	•	•	•	•		
	7242	Vertical panel 4' Wavelength Concave	19.5 x 46 x 2"	11"-1-24"	1.38	0.90	Class A	٠	•	٠	•	٠	•		
	7243	Vertical panel 4' Wavelength Convex	22.5 x 46 x 2"	24" 11" 22.5"	1.38	0.90	Class A	٠	•	•	•	•	•		

NOTE: Scrimmed top edges offered as "Premium." EXAMPLE: BPAS3920S6WH, where "S6" = scrimmed all sides. 
\* Add 2-letter color suffix to end of item number (e.g.,  $3923 \ \underline{W} \ \underline{H} = \text{White})$ 



Linear Acoustical Panels



fine texture						Programmanage manage manage manage manage material materi								
VISUAL SELEC	TION Sho	wn in elevation vie	N			PERF0I	RMAN	CE Do	ts represer	it high lev	el of pe	erforma	nce.	
						c Œ	(White only)		Bio- Block®	Humi- Guard+		DURAE	BILITY	
	Item No.	Description	Dimensions (Inches)			Sound Absorption (Sabins/SF)	Light	Fire Rating	Anti-Mold/ Milderw	Sag Resist	Wash Wash	Impact	Scratch	Soil
SOUNDSCAPES® Blades Vertical Panel Wave		Vertical panel 8' Wavelength Wave	10.5 x 94 x 2"	24" 24" 11" 10.1	5"	1.38	0.90	Class A	٠	•	٠	•	•	•
	7245	Vertical panel 8' Wavelength Wave	22.5 x 94 x 2"	24" 24" 11" 24" 24" 24" 24" 24" 22" 22.1	5"	1.38	0.90	Class A	٠	٠	٠	•	٠	•
	7246	Vertical panel 4' Wavelength Wave	10 x 46 x 2"	11" 24" 11" 10"	_	1.38	0.90	Class A	•	٠	٠	•	٠	•
	7247	Vertical panel 4' Wavelength Wave	22 x 46 x 2"	24" 11" 22" 22" 46"	_	1.38	0.90	Class A	۰	٠	٠	٠	٠	٠
	7248	Vertical panel 8' Wavelength Wave	10 x 94 x 2"	94*	-	1.38	0.90	Class A	٠	٠	٠	٠	•	٠
	7249	Vertical panel 8' Wavelength Wave	22 x 94 x 2"	24" 24" 11" 22" 22" 22" 22" 22" 22" 22" 22" 22		1.38	0.90	Class A	٠	•	٠	•	٠	•

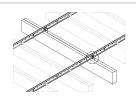
NOTE: Scrimmed top edges offered as "Premium." EXAMPLE: BPAS3920S6WH, where "S6" = scrimmed all sides. 
\* Add 2-letter color suffix to end of item number (e.g.,  $7244 \ \underline{W} \ \underline{H} = \text{White})$ 



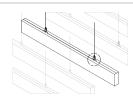
Linear Acoustical Panels fine texture

# Calculate sustainability with GreenGenie™ armstrongceilings.com/greengenie WEL

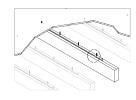
#### THREE WAYS TO INSTALL











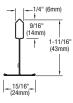


#### INSTALLATION OPTIONS

	Item No.*	Description	Lin Ft/ Carton		
PRELUDE® XL®	7301	HD Main Beam	240		
	XL7341	48" Cross Tee	240		
	XL8320	24" Cross Tee	120		
	7800	7/8" Wall Angle	360		
360° Painted	56418	144" HD Main Beam	240		
Grid Suspension System	730136	Black (BL) and White (WH) colors only	240		
	56421	48" Cross Tee	240		
	XL734036	Black (BL) and White (WH) colors only	240		
	56419	24" Cross Tee	120		
	XL732036	Black (BL) and White (WH) colors only	120		
	7800	7/8" Wall Angle	360		
	780036	Black (BL) and White (WH) colors only	360		

<sup>•</sup> When specifying or ordering items with a color, add the two-letter suffix to the end of the item number (e.g. 7301BL)

#### Prelude® XL®



	Item No.◆	Description	Pieces/ Carton	
Direct-Attach with AXIOM® Wall Molding	AXM34STR3	Straight Wall Molding – Shadow 10'	(360° Paint Recommended; order by the piece)	
Individual Suspension Using Hanging Kit	6655	4-Point Hanging Kit	4 per bag	
Accessories	ARBRKT	Adjustable Hanger Bracket	80	
	QSUTC	Rigid Attachment Clip	150	
	STAC	Single Tee Adapter Clip	120	Ro
	7121	Angled Hanging Kit (60° maximum angle)	2 📭	
	625530	Extended Hanging Aircraft Cables (30')	4	

<sup>\*</sup> When specifying or ordering items with a color, add the two-letter suffix to the end of the item number (e.g. AXM34STR3  $\underline{B}$   $\underline{L}$ )

#### PHYSICAL DATA

#### Material

2" thick fiberglass with DuraBrite® scrim on face and sides.

Surface Finish DuraBrite scrim with factory-applied paint on face and sides. Standard White has energy-saving, high light-reflective finish (LR 0.90). Top of panel is unfinished with embedded hanging clips.

Fire Performance
SoundScapes® Blades panel material is ASTM E84
Class A: Flame Spread 25 or under and Smoke
Developed 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

SoundScapes Blades panels, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Consult a fire protection engineer, NFPA 13, and local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

#### Anti-Mold/Mildew

Ceiling tiles with BioBlock® performance resist the growth of mold and mildew on the tile surface.

**Design Considerations**SoundScapes Blades panels maintain a natural bow that may be noticeable when installed 2" or less apart. Deflection up to 1/8" has been documented in some cases.

Special care in installation and handling must be taken with color panels to avoid surface damage to the paint finish. Custom colors are available.

50" SoundScapes Blades can now be used on walls, but are not recommended for use in high-traffic or high-impact areas. For best results, install above 6' from floor level.

SoundScapes Blades panels can be ordered with scrim on top edge as a premium.

#### Seismic Restraint

SoundScapes Blades are approved for all seismic areas when installed per the seismic guidelines in the Armstrong Ceilings installation instructions.

#### Recommended Suspension Systems

SoundScapes Blades panels are pre-assembled with metal hanging clips in the top of the panels. See Installation Instructions BPLA-297844 for installation details.

Warranty
Details at armstrongceilings.com/warranty

Panel Weight
7190 – 1.6 lbs per panel
7191 – 3.3 lbs per panel
3920 – 3.2 lbs per panel
3921 – 6.5 lbs per panel
7192 – 5.1 lbs per panel
7193 – 10.4 lbs per panel
3922 – 7.0 lbs per panel
3923 – 14.4 lbs per panel
3923 – 14.9 lbs per panel

7194 – 8.9 lbs per panel 7195 – 18.3 lbs per panel

7240 – 2.9 lbs per panel 7241 – 3.5 lbs per panel 7242 – 6.7 lbs per panel 7243 – 7.2 lbs per panel 7244 – 5.9 lbs per panel

7245 – 13.7 lbs per panel 7246 – 3.2 lbs per panel 7247 – 7.0 lbs per panel 7248 – 6.5 lbs per panel

7249 - 14.4 lbs per panel

#### Panels/Carton

Minimum Order Quantity 1 carton

# TAKE THE NEXT STEP

#### 1 877 276 7876

Customer Service Representatives 7:45 a.m. to 5:00 p.m. EST Monday through Friday

**Tech**Line – Technical information, detail drawings, CAD design assistance, installation information, other technical services – 8:00 a.m. to 5:30 p.m. EST, Monday through Friday. FAX 1 800 572 8324 or email: techline@armstrongceilings.com

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SoundScapes® Blades vertical panels in Wavelengths, Interstate Drywall Corporate Office, Lyndhurst, NJ

