



CEILING | SYSTEMS

Between us, ideas become reality™

SOUNDSCAPES® Blades™
Linear Design with Acoustical Performance



SOUNDSCAPES® Blades™

Linear Design with Acoustical Performance

Recycled Content: 71%

armstrong.com/greengenie

LEED® Credits

Energy	Waste Mgmt	Recycled Content	Local Materials	Renewable Materials	Daylight & Views
✓	✓	✓	✓	Location Dependent	✓

LEED for Schools

Acoustics



SoundScapes Blades Item 3920, 10" x 46", suspended with Item 7891, 12 gauge hanger wire.

Key Selection Attributes

- Excellent acoustical absorption – 1.38 sabins/ft²
- SoundScapes Blades reduce reverberation time in your space
- Four blade sizes
- Linear, upscale visual
- Seismic tested
- Integrated hardware
- Installs from a standard suspension system or individual suspension

Color Selection



Due to printing limitations, shades may vary from actual product.

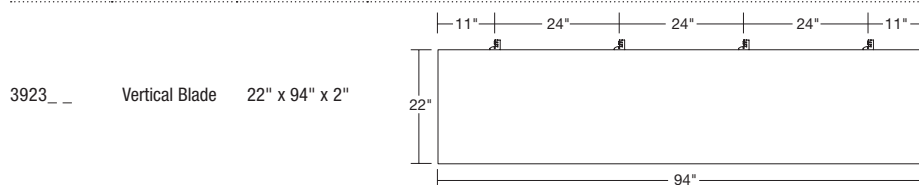
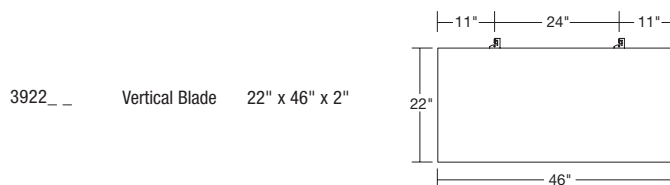
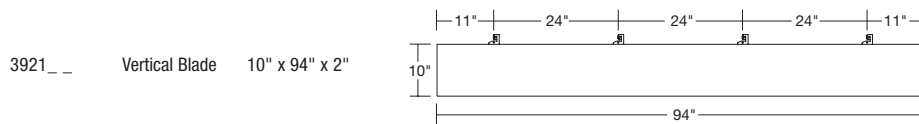
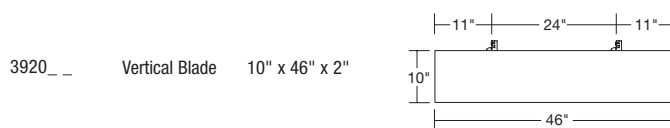
To see coordinating Ultima® & Optima® Create! and RAL colors, visit armstrong.com/createcolors.

Custom colors are available with a Sherwin-Williams® 4-digit color code from the Duration or Harmony flat interior paint families (Code SW _ _ _ _)

Contact Architectural Specialties at 877-ARMSTRONG and select prompts 1-1-4 for more information.

Panel Selection Shown in elevation view

Item No. ♦ Description Dimensions



Performance Selection

Dots represent highest level of performance

Fire Rating

Light Reflectance

Anti-Microbial

Class A

0.90

Inherent

Class A

0.90

Inherent

Class A

0.90

Inherent

Class A

0.90

Inherent

1 ♦ Add 2-letter color suffix to item number when specifying or ordering. (e.g., 3920WH for White)

SOUNDSCAPES® Blades™

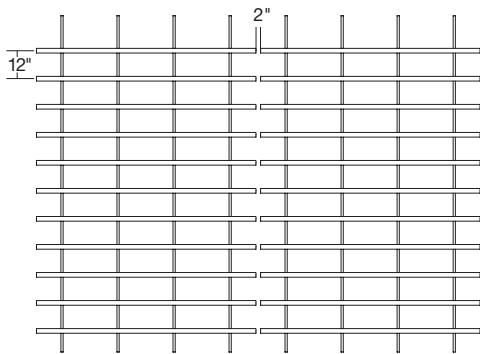
Ways You Can Suspend SoundScapes Blades

Download drawings at armstrong.com/soundscapesblades

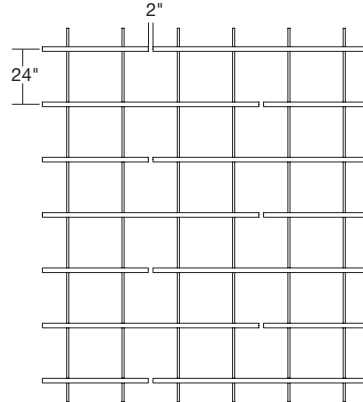


SoundScapes Blades Item 3921, 10" x 94", 12" on center, inline reveal 2"

Reflected Ceiling Plan View:

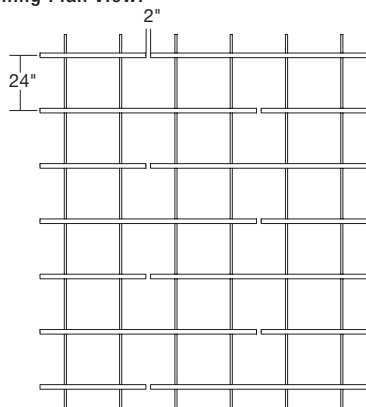


SoundScapes Blades Item 3922, 22" x 46", and Item 3923, 22" x 94", 24" on center, staggered reveal 2"

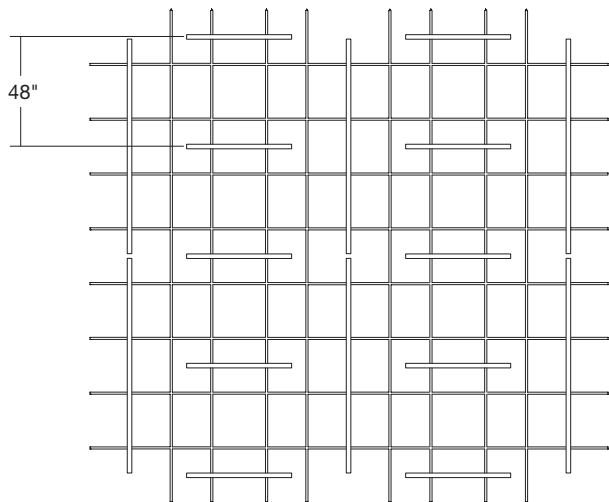


SoundScapes Blades Item 3922, 22" x 46", and Item 3921, 10" x 94", 24" on center, staggered reveal 2"

Reflected Ceiling Plan View:



SoundScapes Blades Item 3923, 22" x 94", 96" on center, and Item 3922, 22" x 46", 48" on center, hung perpendicular



SOUNDSCAPES® Blades™

Installation Options

Watch an installation video at armstrong.com/soundscapesblades

Group Suspension



Individual Suspension



Suspension System

PRELUDE® XL®

Item No.	Description	Lin Ft/Carton
7301	HD Main Beam	240
XL7341	4' Cross Tee	240
XL8320	2' Cross Tee	120
7800	7/8" Wall Angle	360

360 PAINTED

Item No.	Description	Lin Ft/Carton
56418	12' HD Main Beam	240
56421	4' Cross Tee	240
56419	2' Cross Tee	120
7800	7/8" Wall Angle	360

360 available in:

RAL Colors

Suspension System

AIRCRAFT CABLE

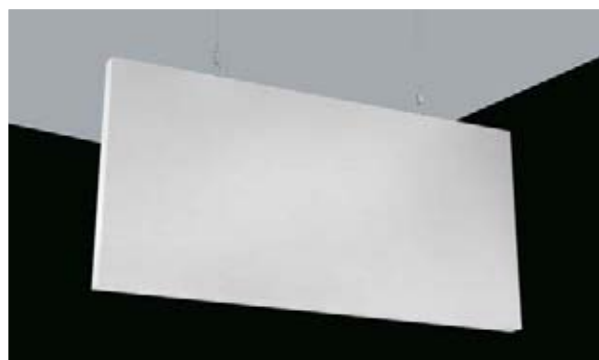
Item No.	Description	Length	Pieces/Carton
AC1210	#12 Aircraft Cable	10'	1 cable/ctn
AC1215	#12 Aircraft Cable	15'	1 cable/ctn
AC1220	#12 Aircraft Cable	20'	1 cable/ctn
ACHC	Height Adjustable Hardware		1 pc/ctn

STANDARD WIRE

Item No.	Description	Length	Pieces/Carton
7891	12 Gauge Soft Hanger Wire	12'	140 pcs/ctn

Accessories

Item No.	Description	Pieces/Carton
BERC2	Beam End Retaining Clip	200 pcs/ctn



See SoundScapes Blades installation instructions BPLA-297844 for details.

SOUNDSCAPES® Blades™

Excellent Acoustical Performance

Calculate the acoustical difference that SoundScapes Blades can make with our online Reverberation Calculator Tool at armstrong.com/reverbtool

Sound Absorption in Sabin

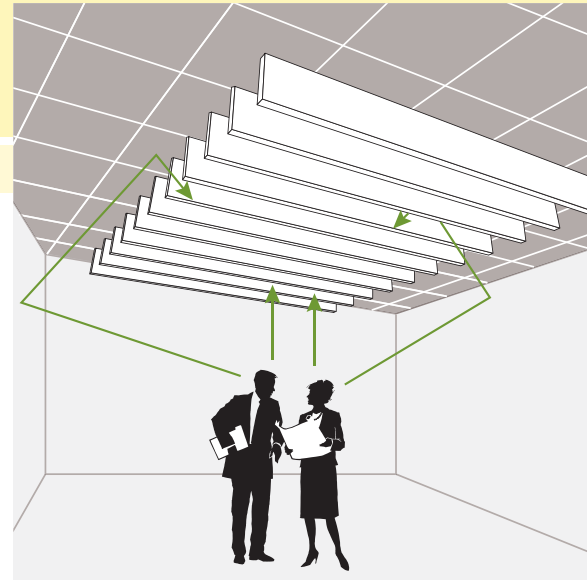
The sabin is the unit of total sound absorption provided by a “space absorber” such as a cloud, canopy, blade, or baffle installed within an architectural space.

Acoustical absorption for a continuous suspended ceiling is calculated by multiplying the area by the material NRC while “space absorbers” are directly measured in sabins. SoundScapes Blades provide greater sound absorption than a continuous ceiling of the same surface area because the sound is absorbed from the front, back, and sides.

The installation of blades in a reverberant space can significantly reduce the background noise and reverberation time, enhancing speech intelligibility.

Factors that may affect acoustical performance are:

- Size and shape of blade
- Number of blades and their layout
- Suspension distance below exposed deck or finished ceiling



SoundScapes Blades provide 1.38 sabins/ft² in White

Different Ways of Adding Sound Absorption

5,000 SF office space (100' x 50'), 15' to deck, drywall with windows on two sides, commercial carpet

Ceiling	No Treatment (0% coverage)	SoundScapes Blades (20% coverage)	SoundScapes Shapes (50% coverage)
	Exposed Structure	260 Blades: 10" x 94" x 2"	156 Shapes: 46" x 46" Squares
Sabins/SF	0	1.38	1.49
Reverberation Time (RT)*	3.4 sec	1.0 sec	0.9 sec
RT Improvement	ref	72%	73%
SPL Reduction (dB)**	ref	-4.0	-4.5

Ceiling	Optima® Capz™ (50% coverage)	Formations™ Clouds with Optima Panels (50% coverage)	Continuous Optima Ceiling (100% coverage)
	156 Panels: 48" x 48" Squares	17 Optima Clouds: 144" x 144"	Suspended 60" below deck
NRC	0.90	0.90	0.90
Reverberation Time (RT)*	1.0 sec	1.0 sec	0.5 sec
RT Improvement	73%	72%	86%
SPL Reduction (dB)**	-4.2	-4.4	-6.0

* Reverberation Time is an average of 500/1000 Hz.

** Sound Pressure Level Reduction is broadband.

NOTE: Results based on acoustical testing of White SoundScapes Blades suspended. The absorption is approximately 10% lower for color panels.

SOUNDSCAPES® Blades™

Linear Design with Acoustical Performance

Physical Data

Material

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

Surface Finish

DuraBrite 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.

Design Considerations

SoundScapes Blades 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 blades to avoid surface damage to the paint finish. Custom colors are available with a Sherwin-Williams® color code from the Duration or Harmony flat interior paint families (Code SW _ _ _ _).

Acoustical Performance

1.38 Sabins per square foot or 64% more sound absorption than the same square footage of NRC 0.90 continuous ceilings. Color Blades have slightly reduced acoustical performance.

Fire Performance

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

SoundScapes Blades, 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.

Seismic Restraint*

The International Building Code allows architectural components to swing freely as long as they will not be damaged or cause damage. Blades suspended individually with aircraft cable will swing no more than 18" in any direction for each panel. Blades directly attached to suspension systems have been engineered for application in all seismic areas.

** Pendulum reaction information is based on full-scale testing and computer modeling conducted at the Structural Engineering Earthquake Simulation Lab located at the State University of New York at Buffalo.*

Recommended Suspension Systems

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

Panel Weight

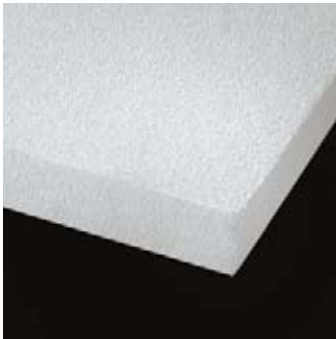
1.00 lbs/SF

Carton Size

4 panels per carton

Warranty

One (1) year limited warranty. Details: armstrong.com/warranty



SoundScapes Blades square edge detail

armstrong.com/soundscapesblades

- Contacts – reps, where to buy, who will install
- Online catalog, submittal pages, and CAD details
- Literature and sample information
- Installation instructions
- Installation video
- Acoustical case study, Memphis, TN

1 877 ARMSTRONG (276-7876)

- Name of your Armstrong Representative
- TechLine – Technical information, detail drawings, CAD design assistance, installation information, other technical services – 8 a.m. to 5:30 p.m. EST, Monday through Friday, FAX 1-800-572-8324 or email: techline@armstrong.com
- Product literature and samples
- Custom sizes and colors may be available. Please contact Architectural Specialties for more information: 877-ARMSTRONG and select prompts 1-1-4.



Scan to learn more about SoundScapes Blades.

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armstrong.com/soundscapesblades

BPCS-4535-613

On the cover: SoundScapes Blades Item 3920 suspended with Item 7891, 12 gauge hanger wire; Family Safety Center, Memphis, TN; Designed by Archimania, Memphis, TN

