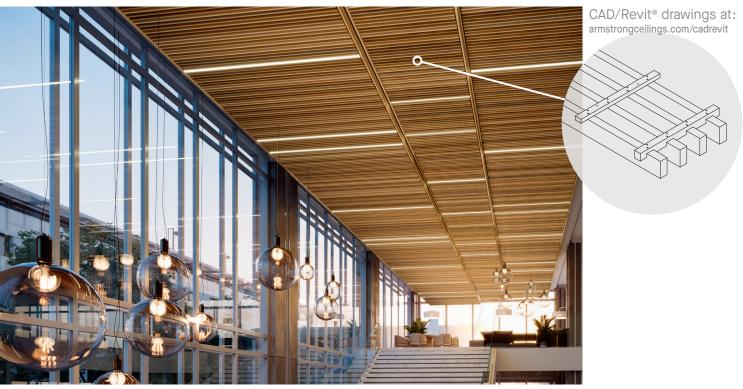
# WOODWORKS® Grille – Forté Solid Wood Ceiling Panels with Notched Backers







WoodWorks® Grille - Forté 3/4" W × 4-1/4" H with 3 slats in 96", 48" & 72" lengths in Natural Walnut (GWN) finish

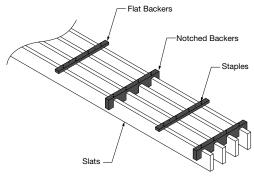
The inimitable beauty of solid wood combines with on-trend finishes to offer the industry's largest selection of standard grille designs.

# KEY SELECTION ATTRIBUTES

- 33 standard solid wood panel configurations in 4', 6', and 8' lengths to minimize the need for customization
- 11 on-trend standard finishes on solid poplar are tinted to replicate naturally occurring wood tones
- nev
- Panels are part of the Sustain® portfolio and meet the most stringent industry sustainability compliance standards today
- Enhanced structural design with notched alignment backers minimize the naturally occurring twist of solid wood and improves handleability during install
- Coordinating solid wood trims in 4" and 6" depths

- Install in the ceiling, on the wall, or create ceiling-to-wall transitions
- Black acoustical infill panels hide the plenum for a clean, finished install visual and provide Total Acoustics® with NRC up to .85 and CAC up to 35
- 5 designs with at least 70% open area to minimize sprinkler install and material cost, achieving a less cluttered finished ceiling with an open aesthetic
- Installs on familiar, heavy-duty Prelude® Grid with pre-drilled backer holes eliminate splitting for long-term durability
- The natural warmth of wood can contribute to biophilic designs and building certification standards like the WELL™ v2 "Nature and Place" feature
- Centered backers allow for a nondirectional install, providing flexibility in install layout and clean accessibility
- Integrated downlighting solutions from USAI\* Lighting are certified for fit and finish and engineered to be supported by standard Armstrong suspension systems for use in all areas, including seismic D, E, & F zones
- CleanAssure™ family of products includes disinfectable panels, suspension systems, and trim
- Premium options include FSC® Certified solid wood, plenum-hiding fleece, additional tinted finishes, and flexible backers for wall-to-ceiling transitions
- Custom options include unique panel configurations and lengths and additional species and finishes. Contact ASQuote@ armstrongceilings.com
- Made in the U.S.A. of domestic and global content
- Build America, Buy America (BABA) Act compliant

# SOLID PANEL BACKER DETAIL



Armstrong®
World Industries

# Solid Wood Ceiling Panels with Notched Backers

High Performance sinable Ceiling Systems

LEEL	) V5			
COMMON MATERIA	LS FRAMEWORK	Climate Health	EF	
Human Health	Declare Label HPD	Ecosystem Health	E	
	3rd Party CDPH	Circular Economy	•	
OCCUPANT EXPERIENCE		Acoustics	•	

Declare.

# DESIGNING WITH NATURE



Custom Grille installation with biophilic design

# Incorporating nature into a built environment, whether living plants or natural wood finishes, enhances Indoor Environmental Quality (IEQ).

With 90% of our time spent indoors, it's beneficial to occupant well-being to bring the outdoors in. Wood interiors contribute to any biophilic design, connecting us with nature and offering a natural warmth and comfort. Inspired by nature and made of natural elements, aesthetically pleasing wood finishes store carbon.

# EMBRACING THE BEAUTY OF NATURAL WOOD

Our tinted finishes allow the natural character of the poplar to shine through. The images here reflect the visual range that is likely within our product. Installers will want to lay out panels before installing to achieve preferred aesthetic.

# Finish Ranges on Solid Poplar



Forest Walnut (GFW)

Due to printing limitations, shade may vary from actual product. \* Painted White finish is not included in the Sustain® portfolio.



Natural Walnut (GWN)

Made-to-order, custom

Warm Oak (GWO)

Custom Wood Species and

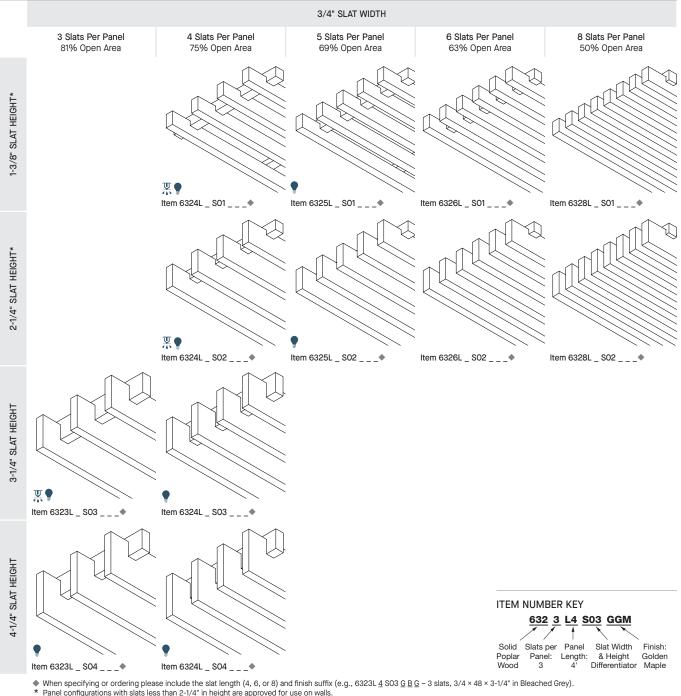


White (GWH)\*

Indicates panel configuration that integrates with the USAI® Micro™ for WoodWorks® downlight. Refer to the last page of this data sheet for details.

U Indicates panel with unobstructed construction where the openings are at least 70% of the cross-section area and the depth of the member does not exceed the least dimension of the openings.

# STANDARD PANEL CONFIGURATIONS 12" width, 3/4" slat (Available in 4', 6', and 8' nominal lengths)





Panel configurations with slats less than 2-1/4" in height are approved for use on walls.



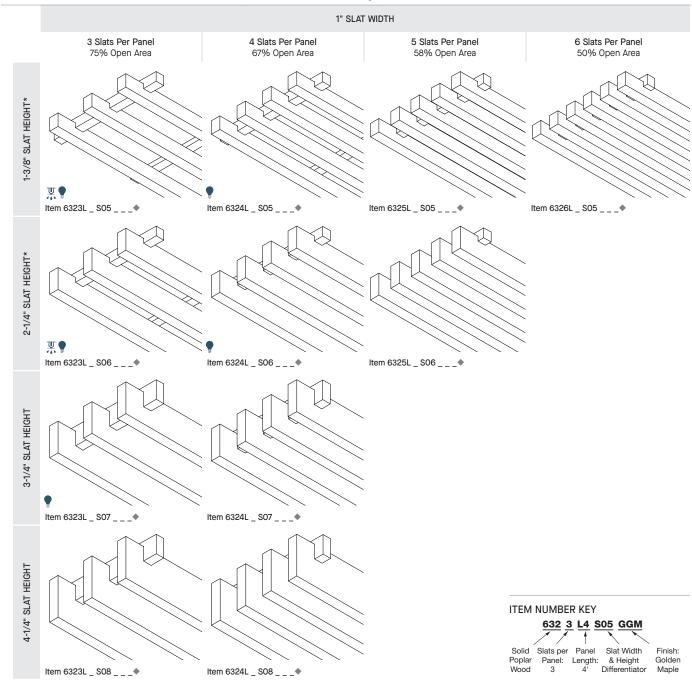
**WOODWORKS®** - Standard

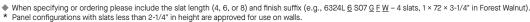
# Solid Wood Ceiling Panels with Notched Backers

Indicates panel configuration that integrates with the USAI® Micro™ for WoodWorks® downlight. Refer to the last page of this data sheet for details.

U Indicates panel with unobstructed construction where the openings are at least 70% of the cross-section area and the depth of the member does not exceed the least dimension of the openings.

STANDARD PANEL CONFIGURATIONS 12" width, 1" slat (Available in 4', 6', and 8' nominal lengths)



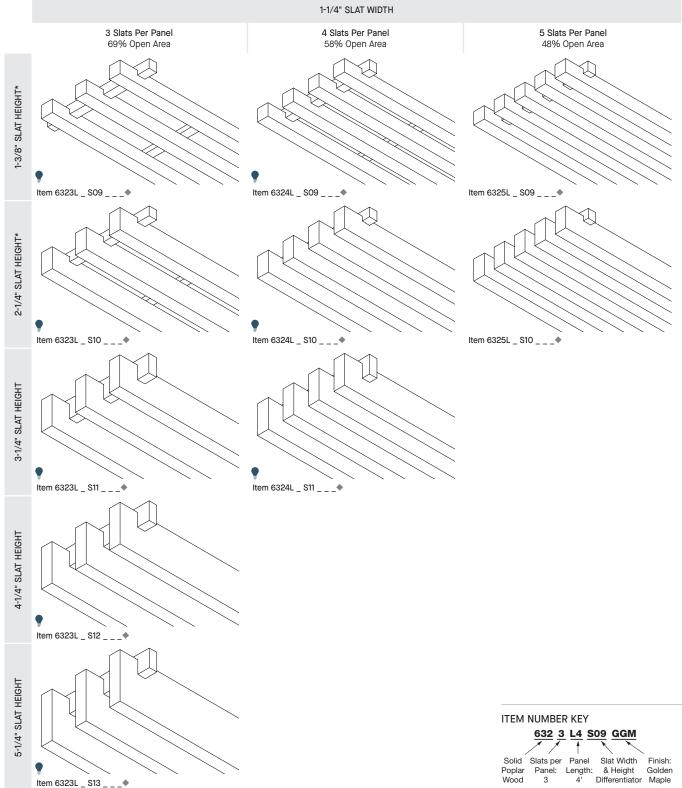


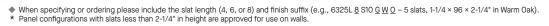


STANDARD PANEL CONFIGURATIONS

STANDARD PANEL CONFIGURATIONS 12" width, 1-1/4" slat (Available in 4', 6', and 8' nominal lengths)

Indicates panel configuration that integrates with the USAI® Micro" for WoodWorks® downlight. Refer to the last page of this data sheet for details.







**WOODWORKS®** – Standard

**PERFORMANCE** 

WOODWORKS® Grille - Forté

WOODWORKS® Grille – Forté Ceiling Panels

Solid Wood Ceiling Panels with Notched Backers

									leanAssu fectable F	
Item No.◆		Custom	n Slat Sizes Ava	ilable	Space Between Slats (Nominal)	% Open Area	LBS/ SF	Fog	Spray	(
6323L	_ S03		3-1/4" H	3 slats	3-1/4"	81% †	2.0	•	•	
6323L	_ S04	3/4" W	4-1/4" H	3 slats	3-1/4"	81%	2.5	•	•	
6324L	_ \$01	3/4" W	1-3/8" H	4 slats	2-1/4"	75% †	1.2	•	•	
6324L	_ \$02	3/4" W	2-1/4" H	4 slats	2-1/4"	75% †	1.8	•	٠	
6324L	_ \$03	3/4" W	3-1/4" H	4 slats	2-1/4"	75%	2.6	٠	•	
6324L	_ \$04	3/4" W	4-1/4" H	4 slats	2-1/4"	75%	3.3	•	•	
6325L	_ S01	3/4" W	1-3/8" H	5 slats	1-5/8"	69%	1.4	۰	•	
6325L	_ S02	3/4" W	2-1/4" H	5 slats	1-5/8"	69%	2.1	۰	•	
6326L	_ S01	3/4" W	1-3/8" H	6 slats	1-1/4"	63%	1.6	۰	•	
6326L	_ S02	3/4" W	2-1/4" H	6 slats	1-1/4"	63%	2.5	•	•	
6328L	_ \$01	3/4" W	1-3/8" H	8 slats	3/4"	50%	2.1	۰	•	
6328L	_ \$02	3/4" W	2-1/4" H	8 slats	3/4"	50%	1.8	۰	•	
6323L	_ \$05	1" W	1-3/8" H	3 slats	3"	75% <sup>†</sup>	1.2	۰	•	
6323L	_ S06	1" W	2-1/4" H	3 slats	3"	75%†	1.8	۰	•	
6323L	_ \$07	1" W	3-1/4" H	3 slats	3"	75%	2.6	٠	۰	
6323L	_ \$08	1" W	4-1/4" H	3 slats	3"	75%	3.3	۰	•	
6324L	_ \$05	1" W	1-3/8" H	4 slats	2"	67%	1.5	۰	•	
6324L	_ \$06	1" W	2-1/4" H	4 slats	2"	67%	2.3	۰	۰	
6324L	_ \$07	1" W	3-1/4" H	4 slats	2"	67%	3.3	٠	•	
6324L	_ \$08	1" W	4-1/4" H	4 slats	2"	67%	4.2	۰	۰	
6325L	_ \$05	1" W	1-3/8" H	5 slats	1-2/5"	58%	1.8	۰	۰	
6325L	_ S06	1" W	2-1/4" H	5 slats	1-2/5"	58%	2.8	۰	•	
6326L	_ \$05	1" W	1-3/8" H	6 slats	1"	50%	2.1	۰	۰	
6323L	_ S09	1-1/4" W	1-3/8" H	3 slats	2-3/4"	69%	1.4	۰	۰	
6323L	_ \$10	1-1/4" W	2-1/4" H	3 slats	2-3/4"	69%	2.1	۰	•	
6323L	_ S11	1-1/4" W	3-1/4" H	3 slats	2-3/4"	69%	3.1	۰	•	
6323L	_ \$12	1-1/4" W	4-1/4" H	3 slats	2-3/4"	69%	4.0	۰	•	
6323L	_ \$13	1-1/4" W	5-1/4" H	3 slats	2-3/4"	69%	4.9	۰	•	
6324L	_ S09	1-1/4" W	1-3/8" H	4 slats	1-3/4"	58%	1.8	0	•	
6324L	_ \$10	1-1/4" W	2-1/4" H	4 slats	1-3/4"	58%	2.8	•	٠	
6324L	_ \$11	1-1/4" W	3-1/4" H	4 slats	1-3/4"	58%	4.1	•	۰	
6325L	_ \$09	1-1/4" W	1-3/8" H	5 slats	1-1/8"	48%	2.2	•	•	
6325L	_ \$10	1-1/4" W	2-1/4" H	5 slats	1-1/8"	48%	3.4	•	•	

ACOUSTICAL INFORMATION

3rd Party CDPH

OCCUPANT EXPERIENCE

Wipe

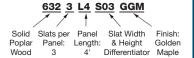
Infill Panel Item No.	NRC (F)	+ (CAC)	Total Acoustics
2820BK	0.85	35	BEST
1713BL	0.70	35	BETTER
1318	0.75	30	N/A
5823 or	0.75	N/A	N/A
6657	0.75	N/A	N/A

Total Acoustics® ceiling panels have an ideal combination of sound absorption and sound blocking in one product.

GOOD (NRC 0.60-0.65; CAC 35+)

BETTER (NRC 0.70-0.75; CAC 35+)

BEST (NRC 0.80+; CAC 35+)



 <sup>♦</sup> When specifying or ordering please include the slat length (4, 6, or 8) and finish suffix (e.g. 6323L 4 S03 G G M - 3 slats, 3/4 × 48 × 3-1/4" in Golden Maple).
 † Icon indicates panel with unobstructed construction where the openings are at least 70% of the cross-section area and the depth of the member does not exceed the least dimension of the openings.
 NOTE: All panel configurations are 12" wide. Panel backers are black; custom backer colors available. For additional species/finish and size options, or curved applications options with flexible backers (special order), contact ASQuote@armstrongceilings.com

# Solid Wood Ceiling Panels with Notched Backers



COMMON MATERIALS FRAMEWORK Climate Health

EPD **9** 

EPD

Declare.

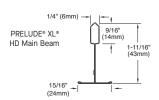
TIFD		
3rd Party CDPH	Circular Economy	Q
OCCUPANT EXPERIENCE	Acoustics	•

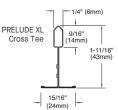
# **ACCESSORIES**

	Item		Dimensions Nominal W × L × H		
	No.◆	Description	(inches)	Color	PCS/CTN
Suspension Systems	7301BL	Prelude® XL® 12' HD Main Beam	15/16 × 144 × 1-11/16"	Black	20
	XL7341BL	Prelude XL 4' Cross Tee	15/16 × 48 × 1-11/16"	Black	60
	XL8320BL	Prelude XL 2' Cross Tee	15/16 × 24 × 1-3/8"	Black	60
	7800BL	Angle Wall Molding	7/8 × 144 × 7/8"	Black	30
Accessories	7100	Heavy-duty Wall Anchor	1-1/4 × 3 × 1"	N/A	50
	7104	Torsion Spring Saddle	N/A	Mill Finish	25
	7105	Torsion Spring Bracket	N/A	Mill Finish	25
	7106	Heavy-duty Torsion Spring	N/A	Mill Finish	25
	5687	Backer Clip	3/8 × 11/16 × 7/8"	Black	250
	BERC2	Beam End Retaining Clip	N/A	Mill Finish	200
	7290GBL	Flat Backer Kit	7/8 × 12 × 1/2"	Black	18
	5457GAL1	WoodWorks® Grille End-Stain (Gallon)	N/A	All Finishes	1 Gallon
	5457QT1	WoodWorks Grille End-Stain (Quart)	N/A	All Finishes	1 Quart
Acoustical Infill Panels	2820BK	Calla® Square Lay-in Panel	24 × 24 × 7/8"	Black	10
	1713BL	School Zone® Fine Fissured™ Square Lay-in Panel	24 × 24 × 3/4"	Black	12
	1318	Backstage Noir® Square Lay-in Panel	24 × 24 × 3/4"	Black	12
	5823	BioAcoustic™ Infill Panel	24 × 24 × 5/8"	Black Matte	12
	6657	BioAcoustic Infill Panel	11 × 48 × 5/8"	Black Matte	12
Perimeter Trim	7146H4L96	4" Solid Wood Trim with 4 Clips	3/4 × 96 × 4"	All Solid Forté Finishes	N/A
	7146H6L96	6" Solid Wood Trim with 4 Clips	3/4 × 96 × 6"	All Solid Forté Finishes	N/A
	5925	Replacement Trim Clips	N/A	Mill Finish	25
	7239	Adjustable Trim Clip	N/A	Mill Finish	N/A
	AX_VESTR	Axiom® Vector Straight Trim - Recommend in Black 6" and up	N/A	Silver Grey, Black, Gun Metal	10 LF
AX_VECUR Axiom Vector Curved Trim - Recommend in Black 6			N/A	Silver Grey, Black, Gun Metal	10 LF

<sup>♦</sup> When specifying or ordering please include the 3-letter color suffix that coordinates with your WoodWorks ceiling: (e.g., 5457GAL1 © B ©).

# SUSPENSION SYSTEMS (Heavy-duty)







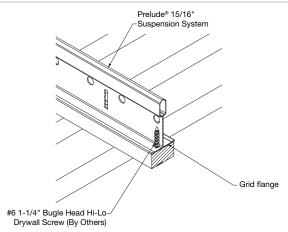
Solid Wood Ceiling Panels with Notched Backers

SUSTAIN High Performance ainable Ceiling Systems

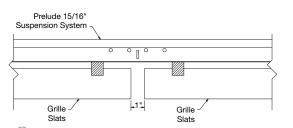
EPD COMMON MATERIALS FRAMEWORK Climate Health EPD 3rd Party CDPH **Ø** Circular Economy OCCUPANT EXPERIENCE **Ø** 

Declare.

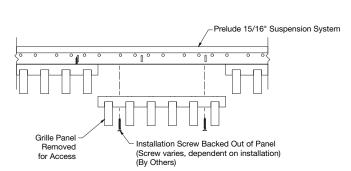
#### SYSTEM INSTALLATION DETAILS



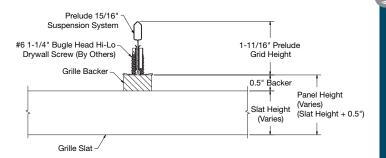
Screw to Grid



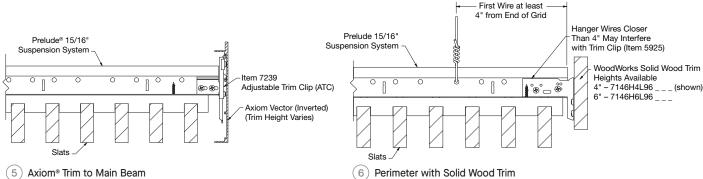
(3) End Slat Spacing Between Panels

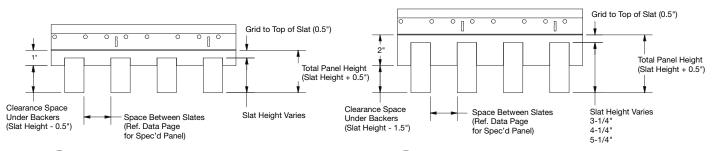


Screw Access



Grille to Main Beam





Typical Integration Detail for 1-3/8" & 2-1/4" Slats

Typical Integration Detail for 3-1/4", 4-1/4", & 5-1/4"



Solid Wood Ceiling Panels with Notched Backers



COMMON MATERIALS FRAMEWORK

Climate Health

**②** 

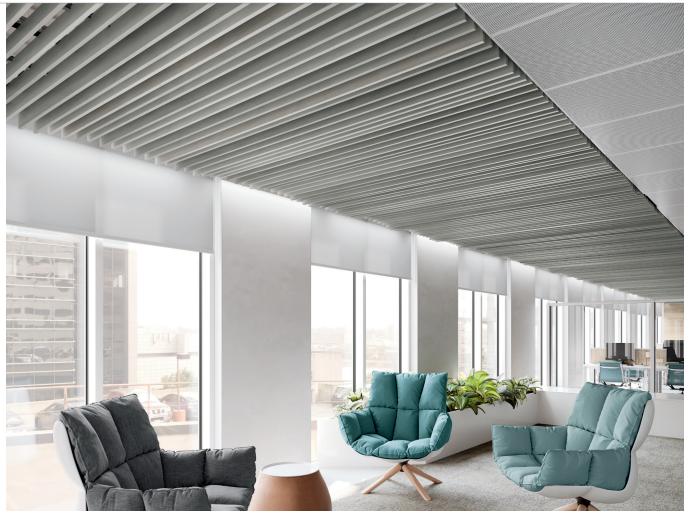
EPD

EPD

OCCUPANT EXPERIENCE

3rd Party CDPH Circular Economy





WoodWorks Grille - Forté 3/4" W with varying slat depths, 4 slats in 8' length in Classic Grey (GCG) finish

## PHYSICAL DATA

Solid wood (poplar)

Surface Finish

Clear, semi-gloss tinted top coat.

Fire Performance

Class C: ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index

Fire performance will vary between wood species.

Flame stop coating is available as a custom option. Contact ASQuote@armstrongceilings.com for details.

These panels, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

# **Design Considerations**

Variation within panel and from panel to panel may occur due to the natural characteristics of the wood and grain.

When installed, there will be a 1" reveal between panel ends Consider this when designing and laying out the ceiling and where this reveal will fall within the ceiling plane.

Unobstructed construction has horizontal structural members that are not solid, where the openings are at least 70% of the crosssection area and the depth of the member does not exceed the least dimension of the openings, or all construction types, with the exception of panel construction, where the spacing of structural members exceeds 7-1/2' (2.3 m) on center.

Slat heights greater than 3" have deeper notched alignment backers that may be visible when transitioning to a panel with slats that are less than 3" in height.

Custom options include different dimensions, species and finishes.

# Acoustic Considerations

The 24"  $\times$  24" acoustical infill panels install above the grid and will require the installer to impale the panel onto the grille attachment screw. Item 6657 – 11" × 48" can go directly on top of the grille between the backers.

## Infill Panel Use

Black infill panels will provide acoustic benefits and minimize the appearance of the matte black panel backers.

If no infill panel is used, unfinished parts of the suspension system and Axiom® trim will be visible from below.

# Site Conditions

It is very important that panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F, must be maintained.

## **Ordering Considerations**

For projects with phased delivery, please coordinate orders, Each separate order is likely to be pulled from different lumber, and therefore will differ in terms of finish range from previous orders.

Be sure to account for extra material that is normally needed for wood installations. When installing WoodWorks Grille – Forté panels, you should consider ordering at least 5% extra material. Up to 10% more may be needed for odd size or unique installations.

## Seismic Restraint

WoodWorks® Grille panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

# Design & Pre-Construction Service

For complimentary design and pre-construction assistance, contact ProjectWorks® or visit armstrongceilings.com/projectworks

# Cleaning and Disinfecting

Refer to Visual Selection chart

Cleaning and CDC-approved disinfecting options available on armstrongceilings.com/cleaning

## Warranty

Details at armstrongceilings.com/warranty Weight







WoodWorks Grille - Forté panels with USAI Micro for WoodWorks - Vertical Slats light fixture

Seamlessly integrate downlight fixtures from USAI® Lighting with standard WoodWorks® Grille – Forté panels. Attach lights directly from the suspension system, eliminating the need for independent support of the fixture or modification of the suspension system.

# **KEY SELECTION ATTRIBUTES**

- Engineered and tested to seamlessly integrate lighting fixtures with grid
- USAI Lighting fixtures provide different downlighting styles for design flexibility
- Approved for use in all seismic categories

# **DESIGN CONSIDERATIONS**

- Lights are designed to sit flush with the face of the WoodWorks panels
- Coordination between ceiling contractor and electrician is required for installation

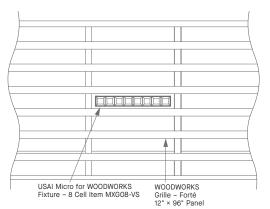
#### VISUAL SELECTION

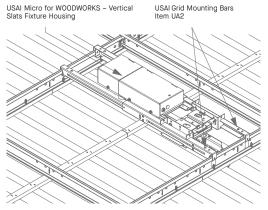
WOODWORKS Panel Item No.	Slat Width	Slat Height	Open Area Between Slats	Slats Per Panel	Coordinating USAI Fixture Family	Coordinating USAI Fixture Part Numbers	USAI Grid Mounting Bar Item No.	USAI Trim Yoke and Centering Spacer Item No.
6324L _ S06	1"	2-1/4"	2"	4	Micro™ for WoodWorks – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVS-GL94
6324L _ S07	1"	3-1/4"	2"	4	Micro for WoodWorks – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVS-GL95
6324L _ S08	1"	4-1/4"	2"	4	Micro for WoodWorks – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVS-GL96
6324L _ S11	1-1/4"	3-1/4"	1-3/4"	4	Micro for WoodWorks – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVS-GL91
6323L _ S11	1-1/4"	3-1/4"	2-3/4"	3	Micro for WoodWorks – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVS-GL97
6323L _ S12	1-1/4"	4-1/4"	2-3/4"	3	Micro for WoodWorks – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVS-GL98
6323L _ S13	1-1/4"	5-1/4"	2-3/4"	3	Micro for WoodWorks – Vertical Slats (8 cell max)	MXGXX-VS	UA2	MXGVS-GL99

NOTE: Refer to lighting partner cut sheets for light location considerations

No panel field modification is required for USAI Micro light integration with WoodWorks Grille – Forté panels.

# INSTALLATION DETAILS





## LIGHTING FIXTURES

Compatible with USAI Micro for WoodWorks – Vertical Slats lighting fixtures.

# **USAI** Lighting

For detailed lighting information, contact your local USAI Lighting representative.



