

# METALWORKS™ Torsion Spring Interior and Exterior smooth texture



**SUSTAIN™**  
High Performance  
Sustainable  
Ceiling Systems

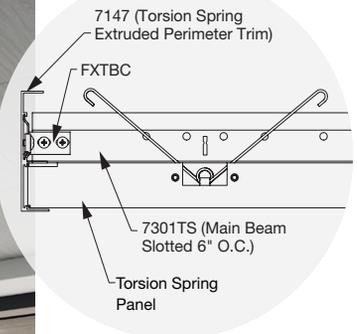


**FAST134**  
Select Items Ship Fast  
[armstrongceilings.com/fast134](http://armstrongceilings.com/fast134)



MetalWorks Torsion Spring panels in Sequels - Montauk Driftwood

CAD/Revit® drawings at:  
[armstrongceilings.com/cadrevit](http://armstrongceilings.com/cadrevit)



**CREATE!™**  
CUSTOM PERFORATIONS



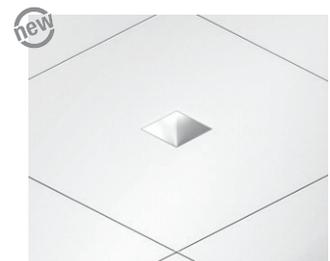
[armstrongceilings.com/metalworkscustom](http://armstrongceilings.com/metalworkscustom)

MetalWorks™ Torsion Spring panels provide a monolithic visual with a unique hide-the-grid installation with 100% swing-down accessibility.

## KEY SELECTION ATTRIBUTES

- new** • Four new Sequels™ pre-coat, wood-look finishes are part of the FAST134 program, including downlight panels
- Seventeen standard Effects™ wood-look finishes offer on-trend design options in bold, subtle, and classic woodgrain looks
- new** • Natural Reflections laminate finishes provide superior wood-look visual with printed vinyl bonded to aluminum, now Class A and Canadian fire tested; visuals other than the ones shown are also available
- Precise factory-cut downlight panels are fit-and-finish certified to integrate with USAI® Lighting BeveLED® 2.2 and BeveLED® Mini trimless downlights
- new** • Sustainable Beyond Standard: Select standard and custom panels are part of the Sustain™ portfolio, and meet the most stringent industry sustainability compliance standards today
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- Select products included in the FAST134 program – ready to ship in 4 weeks or less
- Transform your images onto custom perforated MetalWorks™ Create!™ ceiling panels for a unique aesthetic plus acoustical performance
- Interior panels feature swing-down accessibility
- Exterior options available in 24 × 24 × 1-1/2" and 24 × 48 × 1-1/2" standard panel sizes
- NRC values up to 0.90 with fiberglass infill panels (select perforation patterns)
- Washable and impact-, scratch-, and soil-resistant

*Now, Lighting  
Integration  
Made Easy*



**DOWNLIGHTING:** MetalWorks Torsion Spring center-cut panel with coordinating USAI® Lighting trimless downlight fixture. Integration details at [armstrongceilings.com/downlighting](http://armstrongceilings.com/downlighting)

TechLine 877 276-7876

[armstrongceilings.com/metalworkstorsionspring](http://armstrongceilings.com/metalworkstorsionspring)

**Armstrong®**  
World Industries

# METALWORKS™ Torsion Spring Interior and Exterior smooth texture



**LEED WELL | LBC**

**16% RECYCLED CONTENT**

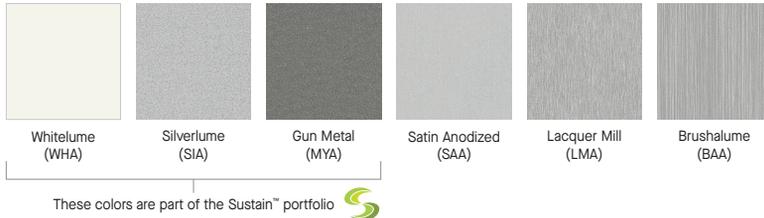
For LEED contribution contact TechLine

- energy management
- construction waste mgmt
- regional materials
- design for flexibility
- EPD
- recyclable/repairable/producer resp.
- biobased materials
- recycled content
- sourcing of low materials
- material ingredient reporting
- low emitting materials
- lighting quality
- acoustics

LOCATION DEPENDENT

## STANDARD COLORS & FINISHES Due to printing limitations, shade may vary from actual product.

### Painted



### Sequels™ Pre-coated Coil, Fast Lead Time



### Natural Reflections (Interior Only) Sustainable Laminate Finishes



### Effects™ Classic Dye-Sublimation



### Effects™ Bold Dye-Sublimation

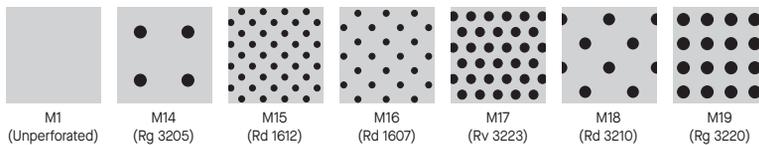


### Effects™ Subtle Dye-Sublimation



Sequels finishes for exterior: Available in M1 only on item 7225, and unavailable on item 7226.  
Effects finishes are standard in 24" x 48" panels in M1 and M16.  
Natural Reflections available for exterior applications as a custom option.  
Contact AS Quote for custom size and perforation options.

## STANDARD PERFORATION OPTIONS (1:2 scale shown)



## CUSTOM COLORS & FINISHES Due to printing limitations, shade may vary from actual product.



For custom options contact ASQuote,  
ASQuote@armstrongceilings.com

## PERFORATION OPTIONS



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LOCATION DEPENDENT

**VISUAL SELECTION** Contact ASOrder@armstrongceilings.com for custom options.

Item No. ♦	Dimensions (Inches) W x L x H Custom Sizes Available
<b>METALWORKS™ Torsion Spring Interior Panels Square 15/16"</b>	
7209_-----	24 x 24 x 1-1/2"
7210_-----	24 x 48 x 1-1/2"
7211_-----	24 x 72 x 1-1/2"
7212_-----	24 x 96 x 1-1/2"
7213_-----	30 x 30 x 1-1/2"
<b>Other Size Panels</b>	W: 6" - 24" L: Up to 96" in 6" increments
	W: 30" - 48" L: Up to 48" in 6" increments (Aluminum will be 0.060" thick)
<b>Exterior Panels Square 15/16"</b>	
7225_-----	24 x 24 x 1-1/2"
7226_-----	24 x 48 x 1-1/2"

**PERFORMANCE** Dots represent high level of performance.

Fire Performance	Light Reflect*	Springs per Panel	CleanAssure™ Disinfectable Panels		
			Fog	Spray	Wipe
Class A	0.75	4	•	•	•
Class A	0.75	4	•	•	•
Class A	0.75	6	•	•	•
Class A	0.75	6	•	•	•
Class A	0.75	4	•	•	•
Class A	0.75	Varies	•	•	•
Class A	0.75	Varies	•	•	•
Class A	0.75	4	•	•	•
Class A	0.75	4	•	•	•

**ACOUSTICAL INFORMATION**

Perforation		NRC with acoustical fleece	NRC with 1" fiberglass infill ††
M1†	Unperforated	N/A	N/A
M14†	Rg 3205	0.55	0.85
M15	Rd 1612	0.70	0.90
M16	Rd 1607	0.70	0.80
M17†	RV 3223	0.75	0.90
M18†	Rd 3210	0.65	0.85
M19††	Rg 3220	0.75	0.90

† Available for exterior applications  
 †† Maximum NRC achieved with acoustical infill (Item 8200T10 or 5823).  
 For infill panel information, visit [armstrongceilings.com/mwaccessories](http://armstrongceilings.com/mwaccessories)



**FAST134** program items ready to ship from manufacturer in 4 weeks or less. Up-to-date lead times and product options (sizes and colors) at [armstrongceilings.com/fast134](http://armstrongceilings.com/fast134)

EXAMPLE: **7209 M14 LMA**



♦ When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 7209 M 1 4 L M A).  
 \* Light reflectance is for unperforated Whitelume.

## PHYSICAL DATA

**Material**  
 All panels, except 7226: Aluminum - 0.040"  
 7226: Aluminum - 0.063"

**Surface Finish**  
 Painted: Factory-applied polyester paint  
 Effects: Powder-coated, dye-sublimation, post-production Sequels: Pre-coated coil  
 Natural Reflections: PVC-free laminates  
 Custom colors and finishes available.  
 Custom Sequels finishes are available for orders 10,000 SF or larger.

**Fire Performance**  
 Painted, Effects, Natural Reflections and Sequels finishes: Class A: ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.  
 Natural Reflections Finishes: CAN/ULC S102: Flame Spread Rating 30. Smoke Developed Classification 30.  
 Painted aluminum finishes: CAN/ULC S102: Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

**ASTM E1264 Classification**  
 Painted, Effects, Natural Reflections and Sequels finishes: Unperforated: ASTM E1264 Type XX Pattern G Fire Class A Perforated - ASTM E1264 Type XX Pattern C Fire Class A

**Acoustical Options**  
 Perforated panels are supplied with a black fiberglass fleece to absorb sound.

**Recycled Content**  
 Up to 16%.

**Design Considerations**  
 Anodized, Lacquer Mill and pre-coat finishes may vary in shade between production runs as well as over time. Sizes can be mixed and matched on non-perforated panels only.  
 30" x 30" panels have a directional finish that is perpendicular to the main beams; all other panel sizes have a directional finish that is parallel to the main beams.  
 MetalWorks steel and aluminum panels are made at different manufacturing facilities that use different paint systems. Because of this, similar colors, i.e., White and Whitelume, are not exact color matches. Please consider this when designing adjacent spaces with multiple MetalWorks products.  
 On pre-coated finishes, clarity of image is best on flat surfaces. Pattern repeat may occur. Product is dye-lotted. Due to potential color variation, be certain to order sufficient initial quantities and attic stock.

**Wind Uplift Performance**  
 24" x 24" and 24" x 48" panels noted for exterior flat applications tested for wind uplift Classes 30, 60, and 90. Specific installation instructions to meet these classes are available.

**Design Support**  
 For custom design assistance contact ProjectWorks® Design Services or visit [armstrongceilings.com/projectworks](http://armstrongceilings.com/projectworks)

**Seismic Restraint**  
 MetalWorks Torsion Spring panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

**Cleaning and Disinfecting**  
 Cleaning and CDC approved disinfecting options available on [armstrongceilings.com/cleaning](http://armstrongceilings.com/cleaning)

**FAST134 Program Considerations**  
 Size of Job Matters: Big jobs, over 2500 SF or 50 pieces for shapes/vertical elements will have longer lead times.  
 Location Matters: Transit time not included. We are ready to ship in one week on FAST1 items. However, transit to the states west of Wyoming may add time.  
 Distributor Truck Schedule Matters: We rely on distribution to help move products around the country. When speed matters, work with your local distributor to ensure FAST134 service.  
 Stock vs Made-to-Order Matters: FAST3 & FAST4 items are made-to-order and will ship direct to distributor. FAST1 (stocked items) will go through distribution and depend on distributor truck schedules.

**Warranty**  
 One (1) year limited warranty. Details at [armstrongceilings.com/warranty](http://armstrongceilings.com/warranty)

**Weight**  
 0.69 lbs/SF  
 0.86 lbs/SF (Item 7226)

TechLine 877 276-7876  
[armstrongceilings.com/metalworkstorsionspring](http://armstrongceilings.com/metalworkstorsionspring)



METALWORKS™ - Standard



# METALWORKS™ Torsion Spring Interior and Exterior Installation Details



LEED WELL | LBC

16% RECYCLED CONTENT

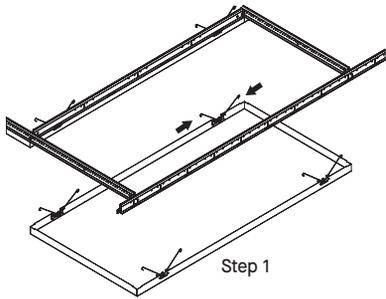
- energy management
- construction waste mgmt
- regional materials
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- EPD
- recyclable/producer resp.
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- material ingredient reporting
- low emitting materials
- lighting quality
- acoustics

For LEED contribution contact TechLine

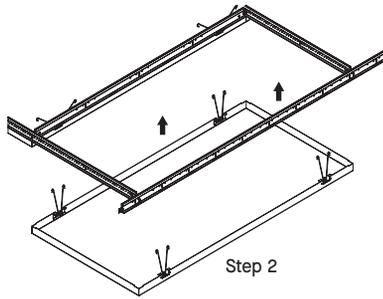
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LOCATION DEPENDENT

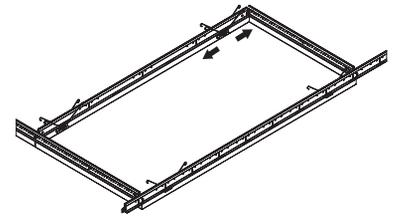
## HOW TO INSTALL PANELS



Step 1



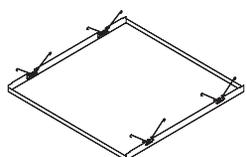
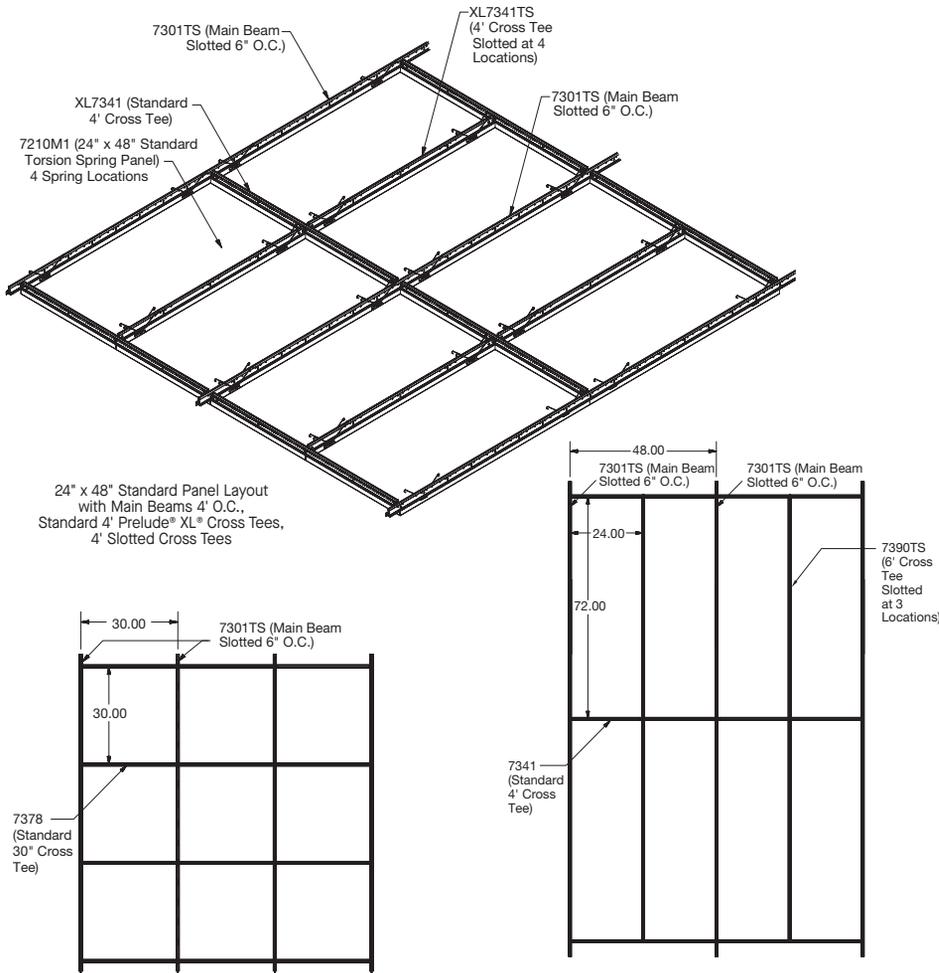
Step 2



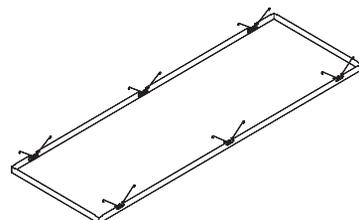
Step 3

## INTERIOR INSTALLATION DETAILS

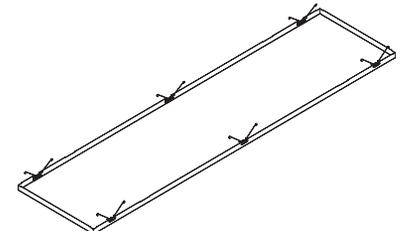
For exterior details, consult the MetalWorks™ Exterior Torsion Spring installation instructions, BPLA-297922, on our website.



Suspension System Layout for 30" x 30" Panels



Suspension System Layout for 24" x 72" Panels



Suspension System Layout for 24" x 96" Panels



# METALWORKS™ Torsion Spring Interior and Exterior Perimeter Details



Declare

LEED WELL LBC

16% RECYCLED CONTENT

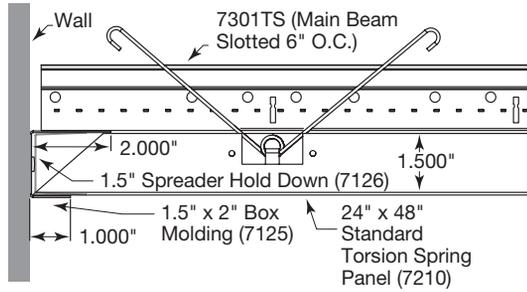
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For LEED contribution contact TechLine

LOCATION DEPENDENT

INTERIOR WALL PERIMETER DETAILS – For exterior details, consult the MetalWorks™ Torsion Spring Exterior installation instructions, BPLA-297922, on our website.

## Installation Detail – Wall Perimeter

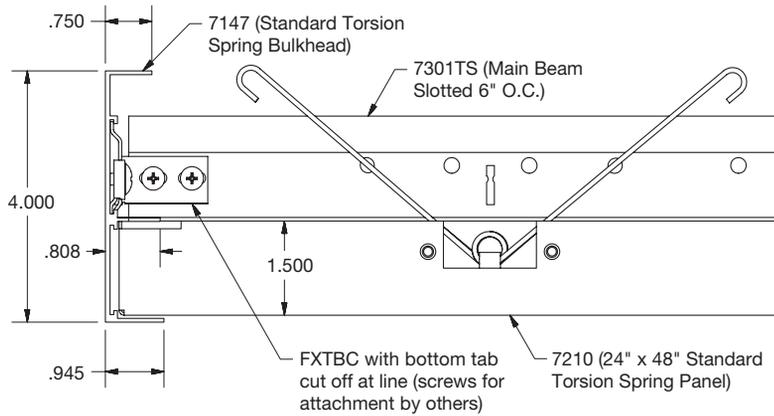


## DISCONTINUOUS SYSTEM PERIMETER DETAILS

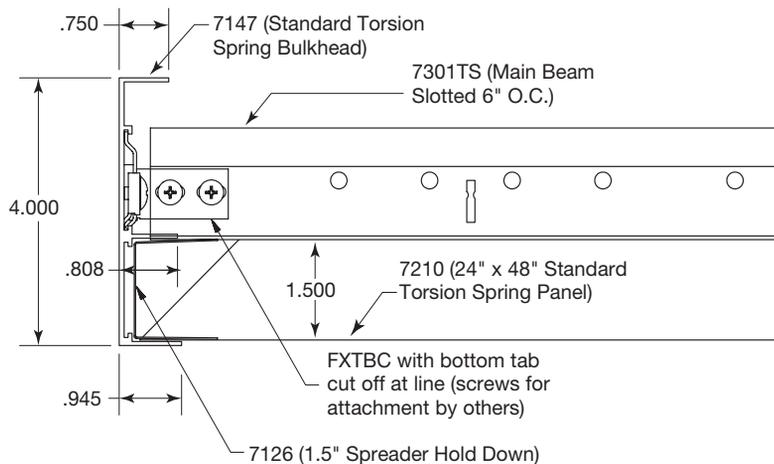
### Installation Detail – Extruded Perimeter Trim #7147

Recommended for use with both Sequels™ and Natural Reflections finishes. Available in Effects™ as custom finish.

#### Full Panels

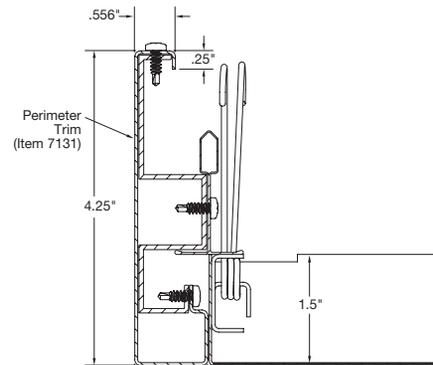


#### Cut Panels



### Installation Detail – Formed Perimeter Trim #7131

Recommended for use with LMA, BAA, and SAA finishes.



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For LEED contribution contact TechLine

- biobased materials
- recycled content
- sourcing of low materials
- material ingredient reporting
- low emitting/ materials
- lighting quality
- acoustics

LOCATION DEPENDENT

## ACCESSORIES

	Item No. ♦	Description	Dimensions (Inches) Nominal W x L x H	Color	Pieces/ Carton
Wall-to-Wall Installs	7125_ _ _	Box Molding	2 × 96 × 1-1/2"	WHA, SIA, MYA, SAA, LMA, BAA, BL  Black is recommended for Sequels™ and Natural Reflections panel finishes  Available in Effects™ panel as custom finish	10
	7147_ _	Torsion Spring Perimeter Trim (Extruded)	1 × 120 × 4"	WH, SG, MY, BL*  Black is recommended for Sequels™ and Natural Reflections panel finishes  Available in Effects™ panel as custom finish	6
	7131_ _ _	Torsion Spring Perimeter Trim (Formed)	1 × 96 × 4-1/4"	LMA, BAA, SAA	6
Acoustical Infill Panels	5823	BioAcoustic™ Infill Panel	24 × 24 × 5/8"	Black	12
	8200T10	1" Fiberglass Infill Bag	24 × 24 × 1"	Black (Gloss)	12
Other Accessories	7129	Torsion Spring Hook Access Tool	N/A	N/A	1
	7130	Torsion Spring Suction Access Tool	N/A	N/A	1
	7126	Spreader Hold Down	1 × 10-5/8 × 1-1/2"	N/A	50

♦ When specifying or ordering, include the appropriate color code with the item number (e.g. 7131 L M A)  
\* Coordinates with WHA, SIA, MYA Torsion Spring panel finishes



METALWORKS™ – Standard

# METALWORKS™ Torsion Spring Interior and Exterior Perimeter Details



Declare.



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LOCATION DEPENDENT

## SUSPENSION SYSTEMS

Item No.	Description	Dimensions (Inches)
<b>15/16" Prelude® XL® Suspension System</b> Some items slotted for Torsion Spring.		
<b>7301TS</b>	Prelude XL 12' HD Main Beam – slotted for Torsion Spring	144 × 15/16 × 1-11/16"
<b>XL7341TS</b>	Prelude XL 4' Cross Tee – slotted for Torsion Spring	48 × 15/16 × 1-11/16"
<b>XL7390TS</b>	Prelude XL 6' Cross Tee – slotted for Torsion Spring	72 × 15/16 × 1-11/16"
<b>XL7378</b>	Prelude XL 30" Cross Tee	30 × 15/16 × 1-3/8"
<b>XL8320</b>	Prelude XL 2' Cross Tee	24 × 15/16 × 1-11/16"
<b>XL7341</b>	Prelude XL 4' Cross Tee	48 × 15/16 × 1-11/16"
<b>Exterior Suspension System</b> 15/16" Prelude XL Some items slotted for Torsion Spring.		
<b>7301G90ATS</b>	Prelude XL 12' HD Exterior Main Beam – slotted for Torsion Spring	144 × 15/16 × 1-11/16"
<b>XL7341G90ATS</b>	Prelude XL 4' Exterior Cross Tee – slotted for Torsion Spring	48 × 15/16 × 1-11/16"
<b>XL7321G90A</b>	Prelude XL 2' Exterior Cross Tee	24 × 15/16 × 1-11/16"



METALWORKS™ – Standard



# LIGHTING SOLUTIONS

## METALWORKS™ Torsion Spring

Center-cut Panels for Recessed Downlighting  
smooth texture



MetalWorks Torsion Spring center-cut downlight panels in Sequels - New Haven Walnut

Pre-cut durable, metal ceiling panels are designed to seamlessly integrate with trimless downlights. Perfectly centered fixtures, perfectly cut tiles—every time.

### KEY SELECTION ATTRIBUTES

- Perfectly centered USAI® Lighting fixtures for flush-fit visual
- Coordinating fixture colors available for all standard downlight finishes
- Time and labor savings solution – downlight fixtures are fully adjustable within the system so there is no cutting, no mess, and no need to remove panels
- Entire system helps contribute to healthier spaces, part of CleanAssure™ portfolio
- Clean, minimal trimless appearance in durable, factory-cut metal panels
- Pre-cut Torsion Spring panels available in FAST134 program
- Pre-engineered and tested for fit-and-finish in all seismic areas
- For offset factory-cut panels, contact ASQuote@armstrongceilings.com. Custom grid layouts are possible depending on lighting layout.



*Now, Lighting Integration Made Easy*



DOWNLIGHTING: MetalWorks Torsion Spring center cut panel with coordinating USAI Lighting trimless downlight fixture. Integration details at [armstrongceilings.com/downlighting](http://armstrongceilings.com/downlighting)

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

Painted



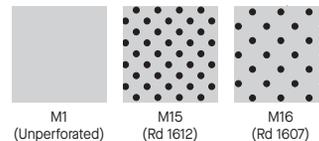
**Sequels™**  
Pre-coated Coil, Fast Lead Time



These colors are part of the Sustain™ portfolio



**PERFORATION OPTIONS**  
(1:2 scale shown)



These colors are part of the Sustain™ portfolio

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[armstrongceilings.com/metalworkstorsionspring](http://armstrongceilings.com/metalworkstorsionspring)

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World Industries



METALWORKS™ – Standard



# LIGHTING SOLUTIONS

## METALWORKS™ Torsion Spring

Center Cut Panels for Recessed Downlighting  
smooth texture

### VISUAL SELECTION

	MetalWorks Torsion Spring Panel Item No. ◆	Panel Description	USAI® Fixture Dimension (Nominal)	Coordinating USAI Fixture Family	Coordinating USAI Fixture Part No.	USAI Grid Mounting Bars Item No.
<b>METALWORKS™ Torsion Spring</b> 	7209__C03__	24 x 24 x 1-1/2"	3.5" Square Downlight	BeveLED® Mini for MetalWorks	B3SXP-UA	UA2
	7209__C04__	24 x 24 x 1-1/2"	5" Square Downlight	BeveLED® 2.2 for MetalWorks	B4SXP-UA	UA2
	7210__C03__	24 x 48 x 1-1/2"	3.5" Square Downlight	BeveLED Mini for MetalWorks	B3SXP-UA	UA2 or UA4
	7210__C04__	24 x 48 x 1-1/2"	5" Square Downlight	BeveLED 2.2 for MetalWorks	B4SXP-UA	UA2 or UA4
	7211__C03__	24 x 72 x 1-1/2"	3.5" Square Downlight	BeveLED Mini for MetalWorks	B3SXP-UA	UA2
	7211__C04__	24 x 72 x 1-1/2"	5" Square Downlight	BeveLED 2.2 for MetalWorks	B4SXP-UA	UA2
	7212__C03__	24 x 96 x 1-1/2"	3.5" Square Downlight	BeveLED Mini for MetalWorks	B3SXP-UA	UA2
	7212__C04__	24 x 96 x 1-1/2"	5" Square Downlight	BeveLED 2.2 for MetalWorks	B4SXP-UA	UA2
	7213__C03__*	30 x 30 x 1-1/2"	3.5" Square Downlight	BeveLED Mini for MetalWorks	B3SXP-UA	UA2
	7213__C04__*	30 x 30 x 1-1/2"	5" Square Downlight	BeveLED 2.2 for MetalWorks	B4SXP-UA	UA2



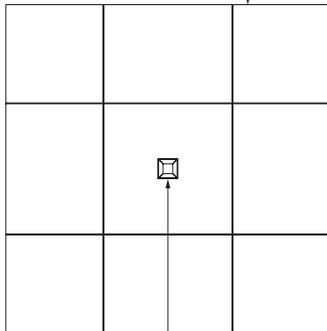
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NOTE: Refer to lighting partner cut sheets for light location considerations.

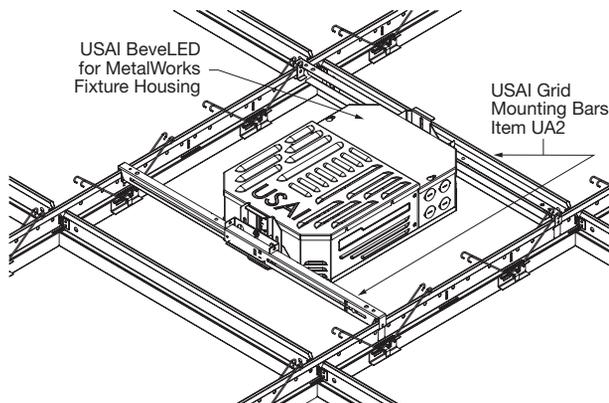
- ◆ For Torsion Spring downlight item numbers, add the perforation following the base item number, and then add the 3- or 4-digit finish code. (ie: 7209 M15 C 0 3 S1 A)
- \* Sequels™ finishes are a custom option on this size.

### INSTALLATION DETAILS

MetalWorks Torsion Spring  
24" x 24" Panel



USAI BeveLED Mini  
for MetalWorks – Item B3SXP-UA



### LIGHTING FIXTURES

Compatible with USAI Lighting BeveLED 2.2 and BeveLED Mini MetalWorks fixture families.

# USAI® Lighting

For detailed lighting information, contact your local USAI representative or visit [usailighting.com/metalworks](http://usailighting.com/metalworks) for more information