

# PRELUDE® Plus XL® Aluminum Environmental Tee Suspension System



Prelude Plus XL aluminum system

This aluminum 15/16" suspension system is designed for severe environmental performance.

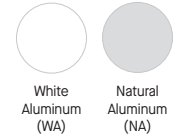
### KEY SELECTION ATTRIBUTES

- Seismic Rx® Suspension System saves time and money; an ICC-ES approach to installations (ESR-1308)
- Systems conform to ASTM C635 for severe environmental performance
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim (Cleaning and CDC approved disinfecting options available on [armstrongceilings.com/cleaning](http://armstrongceilings.com/cleaning))
- 10-Year Limited Warranty; 30-Year Limited Warranty with HumiGuard® Plus or HumiGuard® Max products
- Special sizing and rout spacing available
- Rotary-stitching during manufacture by a patented method for additional torsional strength and extra stability during installation
- XL® staked-on end detail provides secure locked connection
- Maximum moisture resistance

### TYPICAL APPLICATIONS

- Indoor swimming pools with proper ventilation
- Non-magnetic areas/MRI suites
- Shower rooms

### COLORS



Custom Colors Available\*

\* Colors that are pre-qualified to meet Sustain™ portfolio requirements are available upon request. Other made-to-order colors must be evaluated if sustainability criteria is required. Lead time will increase.

### VISUAL SELECTION

Item No. ♦	Description	Dimensions (Inches)	HANGER SPACING* LBS/LF			
			2 Ft.	3 Ft.	4 Ft.	
PRELUDE® Plus XL® Aluminum 15/16"	AL7200_ _	12' LD Main Beam	144 x 15/16 x 1-11/16"	N/A	13.47	6.25
	XLAL7240_ _	4' Cross Tee	48 x 15/16 x 1-1/2"	N/A	N/A	6.33
	XLAL7220_ _	2' Cross Tee	24 x 15/16 x 1-1/2"	44.45	N/A	N/A
Molding	AL7801_ _	10' Hemmed Angle Molding (7/8")	120 x 7/8 x 7/8"	N/A	N/A	N/A
Other Sizes	Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter					
Accessories	ALBERC2	Aluminum Beam End Retaining Clip		N/A	N/A	N/A

### PERFORMANCE

Fire Guard™	Seismic Category	CleanAssure™ Disinfectable Grid		
		Fog	Spray	Wipe
N/A	N/A	*	*	*
N/A	N/A	*	*	*
N/A	N/A	*	*	*
N/A	N/A	*	*	*
N/A	N/A	*	*	*

### PACKAGING

Pieces/ Carton	LF/ Carton
20	240
60	240
60	120
30	300
Varies	Varies
200	N/A

\* Simple Span

♦ Add 2-letter color suffix to item number when specifying or ordering (ex. AL7200N Δ)

Dots represent high level of performance.

ASTM Class  
HD - Heavy-duty  
ID - Intermediate-duty  
LD - Light-duty

# PRELUDE® Plus XL® Aluminum Environmental Tee Suspension System

LEED® WELL™ LBC

## 91% ALUMI- NUM RECYCLED CONTENT

Calculate sustainability with Ecomedes [armstrongceilings.com/ecomedes](http://armstrongceilings.com/ecomedes)

energy management

construction waste mgmt

regional materials

design for flexibility

ALUMI- NUM

EPD

recyclable/ recycled producer resp.

biobased materials

recycled content

sourcing of low materials

material ingredient reporting




low emitting/ materials

lighting quality

acoustics

LOCATION DEPENDENT

## MAXIMUM FIXTURE WEIGHT Drawing Key: Main beam (↑) Cross tee (---) Hanger wire (+)

	Configuration		Item No.	Fixture		Planning Module		Hanger Spacing		Maximum Weight	
	A	B		A	B	A	B	A	B	A	B
Main Beam to Main Beam			<b>AL7200</b>	24" x 48"	24" x 48"	48" x 48"	48" x 48"	48"	48"	40.0 lbs.	40.0 lbs.
				<b>AL7200</b>	12" x 48"	N/A	48" x 48"	N/A	48"	N/A	40.0 lbs.

Main Beams tested as follows: Main beams tested at 6.24 lbs./lin. ft. to 1/360 of 4' span.

Cross Tee to Cross Tee		<b>XLAL7240</b>	24" x 48"	24" x 24"	48" x 48"	48" x 48"	48"	48"	38.0 lbs.	25.0 lbs.
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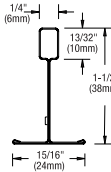
Cross tees tested as follows: 48" Cross tee tested at 6.33 LBS/LF to 1/360 of 4' span.  
 \* Fixtures weighing more than 56 lbs. should be independently supported. Fixture weight is based on single fixture only.  
 For end-to-end fixtures or other configurations not shown, consult your Armstrong representative.  
 NOTE: The above data is based on 48" hanger wire spacing, board weight of 1 LB/SF, maximum deflection of tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C636.

## DETAILS For more information, see submittal BPCS-3155 (Prelude Plus XL Aluminum).

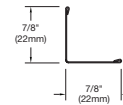


PRELUDE® Plus XL®<sup>3156</sup> Aluminum Cross Tee

PRELUDE Plus XL Aluminum Main Beam and Cross Tee



PRELUDE Plus XL Aluminum Wall Molding



## SEISMIC PERFORMANCE

**Main Beams**  
AL7200  
Minimum Lbs. To Pull Out Compression/Tension  
221.9

**Cross Tees**  
XLAL7220, XLAL7240  
Minimum Lbs. To Pull Out Compression/Tension  
185.0

**ICC Reports**  
For areas under ICC jurisdiction, see ICC evaluation report number 1308 for allowable values and/or conditions of use concerning the suspension system components listed on this page. The report is subject to reexamination, revisions and possible cancellation.

## MAIN BEAM LOAD TEST DATA

Main Beams	Length	Web Height	ASTM Class	Hanger Spacing (Lbs./LF. Simple Span)**	
				3'	4'
<b>AL7200</b>	144"	1-1/2"	Light-duty	13.47	6.24

\*\* To derive maximum lbs/sf, divide the on-center spacing of the component into the lbs/lf given in the load test data table.

## CROSS TEE LOAD TEST DATA

Cross Tees	Length	Web Height	Hanger Spacing (Lbs./LF. Simple Span)**	
			2'	4'
<b>XLAL7220</b>	24"	1-1/2"	44.45	N/A
<b>XLAL7240</b>	48"	1-1/2"	N/A	6.33

## PHYSICAL DATA

**Material**  
Double-web Type 304 Double-web aluminum with prepainted aluminum cap

**Surface Finish**  
Baked polyester paint

**Face Dimension**  
15/16"

Manufactured and tested in accordance with ASTM C635

**Profile**  
Exposed tee

**Cross Tee/Main Beam Interface**  
Override

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

**End Detail**  
Main Beam: Coupling  
Cross Tee: Staked-on XL Clip

**Duty Classification**  
Intermediate-duty

