PRELUDE® Concealed
Suspension System

SUSTAIN™
High Performance
Sustainable
Ceiling Systems



Prelude® Concealed suspension system

Sophisticated slotted suspension system with a narrow 1/4" reveal.

KEY SELECTION ATTRIBUTES

- **PeakForm®** profile increases strength and stability for improved performance during installation
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim (Cleaning and CDC approved disinfecting options available on armstrong.com/cleaning)
- **SuperLock™** main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot-dipped galvanized coating inhibits red rust better than electrogalvanized or painted systems
- 10-year limited warranty; 30-year limited warranty with **HumiGuard® Plus** products
- Main beams and cross tees can be ordered with special sizing and rout spacing for your project needs
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation
- Upward access angles for limited plenum access; use DAC for downward access

COLORS

White (WH)	Unpainted
7301	7446
7300	7426
ML7343	7447
XL7342	7427
ML7323	7486
XL7328	7436
7835	7445
7830	7425
744RI	7870
DAC	7428
	7418
	7437

VISUAL SELECTION

PERFORMANCE

PACKAGING

	Item No.	Description	Dimensions (Inches)	HANGER SPACING* LBS/LF 4 Ft.	HANGER SPACING* LBS/LF 5 Ft.	Fire Guard™	Seismic Category	CleanAssure™ Disinfectable Grid: Fog	Spray	Wipe	Pieces/ Carton	LF/ Carton
PRELUDE® Concealed 15/16"	**7301**	12' HD Main Beam	144 × 15/16 × 1-11/16"	16.50	8.73	N/A	•	•	•	•	20	240
	7300	12' ID Main Beam	144 × 15/16 × 1-11/16"	12.80	6.35	N/A	•	•	•	•	20	240
	ML7343	4' Cross Tee	48 × 15/16 × 1-1/2"	9.00	N/A	N/A	•	•	•	•	60	240
	XL7342	4' Cross Tee	48 × 15/16 × 1-1/2"	9.00	N/A	N/A	•	•	•	•	60	240
	ML7323	2' Cross Tee	24 × 15/16 × 1-1/2"	38.63	N/A	N/A	•	•	•	•	60	120
	XL7328	2' Cross Tee	24 × 15/16 × 1-3/8"	38.63	N/A	N/A	N/A	•	•	•	60	120
PRELUDE Concealed 3/4"	**7446**	4' Tee Spline	48 × 3/4 × 7/8"	N/A	N/A	N/A	N/A	•	•	•	125	500
	7436	3' Tee Spline	36 × 3/4 × 7/8"	N/A	N/A	N/A	N/A	•	•	•	125	375
	7426	2' Tee Spline	24 × 3/4 × 7/8"	N/A	N/A	N/A	N/A	•	•	•	125	250
PRELUDE Concealed 7/16"	**7447**	4' Concealed Angle	48 × 7/16 × 1-1/4"	N/A	N/A	N/A	N/A	•	•	•	75	300
	7437	3' Concealed Angle	36 × 7/16 × 1-1/4"	N/A	N/A	N/A	N/A	•	•	•	100	300
	7427	2' Concealed Angle	24 × 7/16 × 1-1/4"	N/A	N/A	N/A	N/A	•	•	•	150	300
Suggested Molding (Additional molding options available. Visit armstrong.com/moldings)	**7835**	10' Channel Molding (7/8")	120 × 7/8 × 1-3/4 × 9/16"	N/A	N/A	N/A	N/A	•	•	•	20	200
	7830	10' Channel Molding (7/16")	120 × 15/16 × 1-15/16 × 15/16"	N/A	N/A	N/A	N/A	•	•	•	16	160

* Simple Span

Dots represent high level of performance.

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

SUSPENSION SYSTEMS – Standard

PRELUDE® Concealed
Suspension System

SUSTAIN™
High Performance
Sustainable Ceiling Systems

RECYCLED CONTENT
UP TO 25%

LEED V5
COMMON MATERIALS FRAMEWORK
Human Health: Declare Label, HPD, 3rd Party CDPH
Climate Health: EPD
Ecosystem Health: EPD
Circular Economy
Ecomedes Data

MAXIMUM FIXTURE WEIGHT

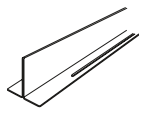
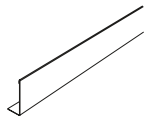
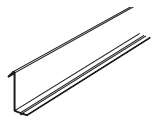
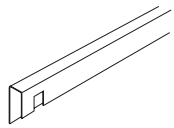
Drawing Key: Main beam (↑) Cross tee (---) Hanger wire (+)

	Configuration A	Configuration B	Configuration C	Item No.	Fixture A	Fixture B	Fixture C	Planning Module A	Planning Module B	Planning Module C	Hanger Spacing A	Hanger Spacing B	Hanger Spacing C	Maximum Weight A	Maximum Weight B	Maximum Weight C
Main Beam to Main Beam				7300 7301	24" × 48" • •	12" × 48" •	24" × 48" •	48" × 48" • •	48" × 48" •	48" × 48" •	48" • •	48" •	48" •	54.26 lbs. 54.26 lbs.	42.17 lbs. 54.26 lbs.	49.27 lbs. 54.26 lbs.
Main beams tested as follows: 7300 tested at 13.0 lbs./LF to 1/360 of 4' span; 7301 tested at 16.5 lbs./LF to 1/360 of 4' span; 8500 tested at 13.3 lbs./lin. ft. to 1/360 of 4' span. 48" cross tee tested at 10.34 lbs./lin. ft. to 1/360 of 4' span.																
Cross Tee to Cross Tee				ML7343 XL7342	24" × 48" •			48" × 48" •			48" •			51.0 lbs 40.89 lbs.		

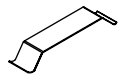
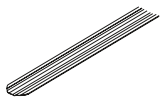
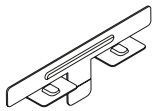
Fixtures weighing more than 56 lbs. should be independently supported. Fixture weight is based on single fixture only. For end-to-end fixtures or other configurations not shown, consult your Armstrong Ceilings representative.
NOTE: The above data is based on 48" hanger wire spacing, board weight of 1 lb./SF, maximum deflection of tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C636.

ACCESSORIES

Item No.	Description
Tee Spline: Spans distance between main beams or cross tees to support tile. Ribbed flange to minimize lipping	
7426	24", 7/8" web, 3/4" flange
7436	36", 7/8" web, 3/4" flange
7446	48", 7/8" web, 3/4" flange
Other	Aluminum
Concealed Angle: Use with access hook to support tile.	
7427	24", 1-1/4", 7/16"
7437	36", 1-1/4", 7/16"
7447	48", 1-1/4", 7/16"
Other	
Access Hook: Supports tile, provides upward access to plenum.	
7418	12"
7428	24"
Other	Aluminum
Stabilizer Bar: Aligns main beams 24" and 48" O.C.	
7425	24"
7445	48", center notched
Other	Aluminum

Item No.	Description
Border Clip: Installs between ceiling tiles and perimeter closures.	
7870	
Breather Spline: Prevents breathing in tiles installed without main beams, cross tees, splines, access members. Ribbed to minimize tile lipping.	
7486	
Other	
DAC	Downward Access Clip

SEISMIC PERFORMANCE

Main Beams
7300, 7301

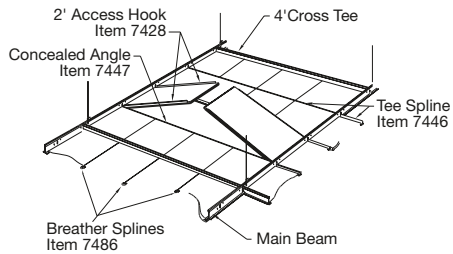
Minimum Lbs. To Pull Out Compression/Tension
255.0

Cross Tees
XL7342, XL7328, ML7343, ML7323

Minimum Lbs. To Pull Out Compression/Tension
Exceeds 300 lbs. in compression/tension

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.

DETAILS



Prelude® Concealed Tee System

PHYSICAL DATA

Material
Hot-dipped galvanized steel)

Surface Finish
Cross Tee/Main Beam: Baked polyester paint
Concealed Components: Unpainted steel

Manufactured and tested in accordance with ASTM C635

End Detail for 1-1/2"
Main Beam: 7300, 7301 – Staked-on clip
XL Cross Tees: Staked-on clip
ML Cross Tees: Staked-on hook

Design Considerations
All acoustical grid and Axiom trim accessories (a.k.a. clips) are supplied as unpainted items. Exposed clips will need to be field painted after installation, if required for the project. This ensures accessories meet the tested performance criteria and adhere to AWI installation instructions and warrantied products or systems.

Cleaning and Disinfecting
Cleaning and CDC recommended disinfecting options available on armstrong.com/cleaning

Duty Classification
Intermediate or Heavy-duty
Main Beam Load Test Data

MAIN BEAM LOAD TEST DATA

Main Beams	Length	Web Height	ASTM Class	HANGER SPACING (LBS/LF SIMPLE SPAN) 4'	5'
7300	144"	1-11/16"	Intermediate-duty	12.8	6.9
7301	144"	1-11/16"	Heavy-duty	16.7	9.0
Cross Tee Load Test Data					
ML7323	24"	1-1/2"	N/A	38.63	N/A
ML7343	48"	1-1/2"	N/A	9.00	N/A
XL7328	24"	1-3/8"	N/A	40.45	N/A
XL7342	48"	1-1/2"	N/A	9.00	N/A

SUSPENSION SYSTEMS – Standard

TechLine / 877 276-7876
armstrong.com/preludeconcealed
BPCS-3347-826

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