

Recycled Content: 30%

PRELUDE® XL

15/16" Exposed Tee System



Key Selection Attributes

- **Seismic Rx®** Suspension System saves time and money; ICC-ES approach to installations (ESR-1308)
- **PeakForm®** patented profile increases strength and stability for improved performance during installation
- **SuperLock™2** main beam clip is engineered for a strong, secure connection and fast accurate alignment confirmed with an audible click; easy to remove and relocate
- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems
- Rotary-stitched during manufacture by a patented method for additional torsional strength and extra stability during installation
- XL² staked-on stab end detail provides tight, secure locked connection; easy to remove, reuse and relocate
- State-of-the-art expansion relief on Fire Guard™ options; provides greater strength and prohibits distortion of grid face during installation
- 10-year limited warranty; 30-year with **HumiGuard® Plus**

Typical Applications

- Retail
- Education
- Offices
- Hospitality
- Fire Guard applications based on building construction and local fire code requirements

Color Selection

- | | |
|--|--|
| <input type="checkbox"/> WH - White | <input type="checkbox"/> ST - Slate |
| <input type="checkbox"/> HA - Haze | <input type="checkbox"/> WK - Wolf† |
| <input type="checkbox"/> VA - Vanilla† | <input type="checkbox"/> WA - White |
| <input type="checkbox"/> CM - Camel | Aluminum |
| <input type="checkbox"/> YS - Oyster† | <input type="checkbox"/> NA - Natural |
| <input type="checkbox"/> PL - Platinum | Aluminum |
| <input type="checkbox"/> AD - Adobe† | <input type="checkbox"/> SA - Silver Satin |
| <input type="checkbox"/> AR - Brass | <input type="checkbox"/> HDC - Hot Dipped |
| <input type="checkbox"/> AM - Mirror | Clear Coat |
| <input type="checkbox"/> BL - Tech Black | <input type="checkbox"/> PW - Pewter† |
| <input type="checkbox"/> SG - Silver Grey | <input type="checkbox"/> BZ - Bronze† |
| <input type="checkbox"/> MY - Gun Metal Grey | <input type="checkbox"/> SL - Silver† |

† Only available on 7301, XL7342, XL7328, and 7800
NOTE: Color chips included with samples of Armstrong grid. See your Armstrong representative for sample material.

NOTE: Items 7305, 7302, XL7340, XL7380, XL7357, XL7358, XL7128, XL7148, XL7348, XL7330, XL7318, XL7368, XL7378, XL7390, XL8320, XL8341, XL7341 are available in white only.

NOTE: 8300, XL8340 and XL8323 are available in white and black only.

Product Description

Materials

A. General: ASTM C635 (Intermediate-duty) (Heavy-duty) main beam classification, commercial-quality hot dipped galvanized steel. Exposed surfaces chemically cleaned, galvanized steel or aluminum capping prefinished in baked polyester paint or anodized.

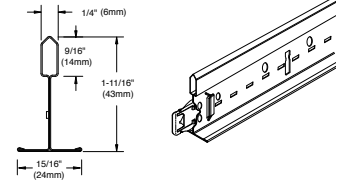
B. Components:

- 1. Main Beams:** Double-web construction, web height 1-11/16" with peaked roof top bulb and 15/16" bottom flange with prefinished steel or aluminum capping*; one fire expansion relief per fire rated main beam.

- 7300 (144", routs 6" OC, Intermediate-duty)
- 7301 (144", routs 6" OC, Heavy-duty)
- 7302 (120", routs 6" OC, Intermediate-duty)
- 7305 (140", routs 10" OC, Intermediate-duty)
- 734032 (3600mm, routs 150mm OC, Intermediate-duty)

Fire Guard Items

- 8300 (144", routs 6" OC, Intermediate-duty)
- 8301 (144", routs 6" OC, Heavy-duty)
- 834033 (3600mm, routs 150mm OC, Intermediate-duty)
- Other _____



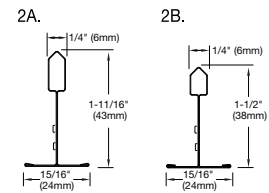
* NOTE: Fire Guard items available in steel capping only.

- 2A. Cross Tee:** Double-web construction, web height 1-11/16", 15/16" bottom flange with prefinished steel or aluminum capping and override at each end. Staked-on end detail allows easy cross tee removal and remounting.

- XL7340 (48", routs 12" OC)
- XL7341 (48", routs 12" OC)
- XL7330 (36")
- XL7380 (96", routs 12" OC)
- XL7357 (60", routs 6" OC)
- XL7358 (60", routs 20" OC)
- XL7390 (72", routs 12" OC)

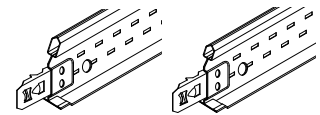
Fire Guard Items

- XL8320 (24")
- XL8340 (48", routs 12" OC)
- XL8341 (48", routs 12" OC)
- 833033 (1200mm, routs 300mm OC)
- Other _____



- 2B. Cross Tee:** Double-web construction, web height 1-1/2", 15/16" bottom flange with prefinished steel or aluminum capping and override at each end. Staked-on end detail allows easy cross tee removal and remounting.

- XL7342 (48", routs 12" OC)

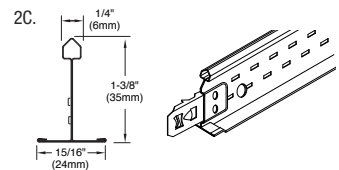


- 2C. Cross Tee:** Double-web construction, web height 1-3/8", 15/16" bottom flange with prefinished steel or aluminum capping and override at each end. Staked-on end detail allows easy cross tee removal and remounting.

- XL7318 (12")
- XL7368 (20")
- XL7328 (24")
- XL7378 (30")
- XL7348 (48")
- 312451 (300mm, center rout)
- 312051 (600mm)
- 313051 (1200mm, center rout)

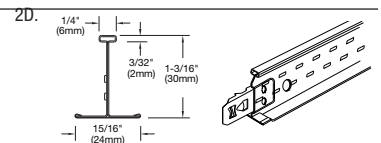
Fire Guard Items

- XL8323 (24")
- 832052 (600mm)
- Other _____



- 2D. Cross Tee:** Double-web construction, web height 1-3/16", 15/16" bottom flange with prefinished steel cap and override at each end. Staked-on end detail allows easy cross tee removal and remounting.

- XL7148 (48", routs 12" OC)
- XL7128 (24")



Wall Moldings:

3A. Angle molding: hemmed with prefinished exposed flanges

Item #	Length	(A) Flange	(B) Height
<input type="checkbox"/> 7800	144"	7/8"	7/8"
<input type="checkbox"/> 7807	120"	2"	1"
<input type="checkbox"/> 7808	120"	2"	2"
<input type="checkbox"/> HD7801	120"	7/8"	7/8"

3B. Shadow molding: hemmed with prefinished exposed flanges

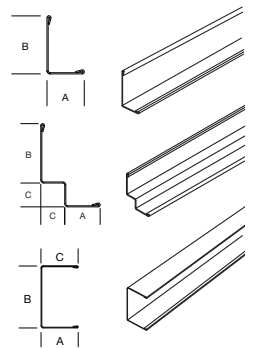
Item #	Length	(A) Flange	(B) Height	(C) Reveal
<input type="checkbox"/> 7875	120"	3/4"	15/16"	1/2"

3C. Shadow Molding: (Compatible with Seismic Rx® and BERG 2)

<input type="checkbox"/> 7877	120"	15/16"	15/16"	1/4"
<input type="checkbox"/> 7878	120"	15/16"	15/16"	3/8"
<input type="checkbox"/> 7897	120"	15/16"	15/16"	1/2"

3D. Channel molding: hemmed with prefinished exposed flanges

Item #	(A) Length	(B) Flange	(C) Height	Flange
<input type="checkbox"/> 7835	120"	7/8"	1-3/4"	9/16"



PRELUDE® XL

15/16" Exposed Tee System

Physical Data

Material

Hot dipped galvanized steel

Surface Finish

Baked polyester paint or anodized

Face Dimension

15/16"

Profile

Exposed tee

Cross Tee/Main Beam Interface

Override

End Detail

Main Beam: Staked-on clip

XL Cross Tee: Staked-on clip

Duty Classification

Intermediate or Heavy-duty

Main Beam Load Test Data

MAIN BEAMS	LENGTH	WEB HEIGHT	ASTM CLASS	HANGER SPACING Lbs./L.F. (Simple Span)**	
				4'	5'
7300	144"	1-11/16"	Intermediate-duty	12.8	6.35
7301	144"	1-11/16"	Heavy-duty	16.5	8.73
734032	144"	1-11/16"	Intermediate-duty	12.8	6.35
8300/834033	144"	1-11/16"	Intermediate-duty	12.8	6.35
8301	144"	1-11/16"	Heavy-duty	16.5	8.73
7302	120"	1-11/16"	Intermediate-duty	12.8	6.35
7305	140"	1-11/16"	Intermediate-duty	12.8	6.35

Cross Tee Load Test Data

CROSS TEES	LENGTH	WEB HEIGHT	HANGER SPACING Lbs./L.F. (Simple Span)**	
			4'	5'
XL7318/312451	12"	1-3/8"	40.45	
XL7368	20"	1-3/8"	40.45	
XL7128	24"	1-3/16"	33.0	
XL7328/312051	24"	1-3/8"	40.45	
XL8323/832052	24"	1-3/8"	40.45	
XL8320	24"	1-11/16"	61.33	
XL7378	30"	1-3/8"	16.54	
XL7330	36"	1-11/16"	23.11	
XL7148	48"	1-3/16"	6.0	
XL8340/833033/ XL7340	48"	1-11/16"	12.25	
XL7341/XL8341	48"	1-1/2"	16.59	
XL7342	48"	1-1/2"	9.00	
XL7348/313051	48"	1-3/8"	8.31	
XL7357	60"	1-11/16"	7.61	
XL7358	60"	1-11/16"	7.61	
XL7380	96"	1-11/16"	12.12	
XL7390	72"	1-11/16"	12.23	

Seismic Performance

MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION

7300, 7302, 7305, 734032, 8300 335.0

7301, 8301 330.0

MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION

CROSS TEES

All XL cross tees exceed 300 lbs. in both compression and 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.

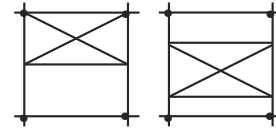
**To derive maximum lbs/SF, divide the on-center spacing of the component into the lbs/LF given in the load test data table.

Maximum Fixture Weight

LIGHT FIXTURE A. Main Beam to Main Beam

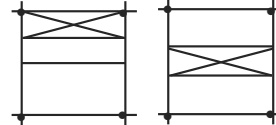
Main Beam ↑
Hanger Wire (•)

1. Fixture*
2. Planning Module
3. Hanger Spacing
4. Item 7300/8300 7302
Item 7301/8301



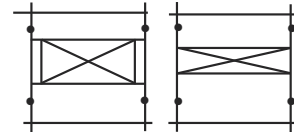
24" x 48"	24" x 48"
48" x 48"	48" x 48"
48"	48"
69.27 lbs.	49.27 lbs.
100.0 lbs.	72.32 lbs.

1. Fixture*
2. Planning Module
3. Hanger Spacing
4. Item 7300/8300 7302
Item 7301/8301



12" x 48"	12" x 48"
48" x 48"	48" x 48"
48"	48"
54.26 lbs.	47.17 lbs.
100.0 lbs.	63.32 lbs.

1. Fixture*
2. Planning Module
3. Hanger Spacing
4. Item 7300/8300 7305
Item 7301/8301



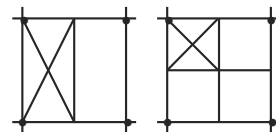
24" x 48"	20" x 60"
60" x 60"	60" x 60"
48" x 48"	
56.47 lbs.	43.21 lbs.
56.47 lbs.	65.46 lbs.

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.

LIGHT FIXTURE B. Cross Tee to Cross Tee

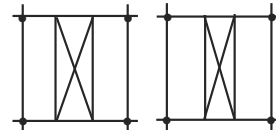
Main beams ↑
Hanger Wire (•)

1. Fixture*
2. Planning Module
3. Hanger Spacing
4. Item XL8340/XL7340
5. Item XL8341/XL7341



24" x 48"	24" x 24"
48" x 48"	48" x 48"
48"	48"
69.27 lbs.	80.55 lbs.
40.89 lbs.	52.26 lbs.
81.67 lbs.	100.0 lbs.

1. Fixture*
2. Planning Module
3. Hanger Spacing
4. Item XL8340/XL7340
5. Item XL8341/XL7341



24" x 48"	12" x 48"
48" x 48"	48" x 48"
48"	48"
49.27 lbs.	42.17 lbs.
72.32 lbs.	63.32 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 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.