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AL Prelude® Plus XL 15/16" Environmental Tee System

AL Prelude Plus XL 15/16" Environmental Tee System offers maximum protection when severe environmental performance is required.

Key Selection Attributes

- All aluminum finish for maximum moisture resistance
- System conforms to ASTM C 635 for Severe Environmental Performance
- Rotary-stitched during manufacture by a patented method for additional strength and extra stability during installation
- XL staked-on end detail cross tees provide secure locked connection; easy to remove, reuse and relocate
- 10-year limited warranty; 15-year with **HumiGuard® Plus** and **HumiGuard Max** ceiling products

Typical Applications

- Indoor swimming pools with proper ventilation and hanger wire
- Nonmagnetic areas such as MRI suites
- Shower rooms

Product Description

Materials

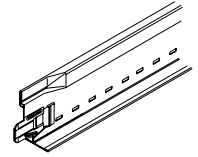
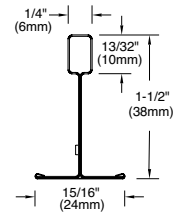
A. General:

ASTM C 635 Light-duty main beam classification, commercial-quality cold rolled aluminum. Entire surface chemically cleansed, with aluminum capping prefinished in baked polyester paint.

B. Components:

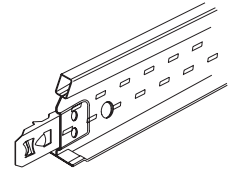
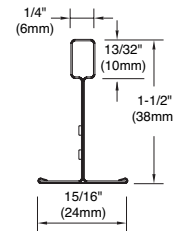
1. Main Beams: Double-web construction, web height 1-1/2" with rectangular top bulb and 15/16" flange with prefinished aluminum capping.

- AL7200 (144", routs 6" OC, light-duty)
 Other _____



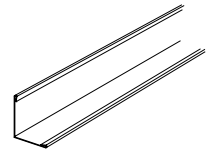
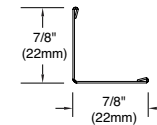
2. Cross Tees: Double-web construction, web height 1-1/2", rectangular top bulb and 15/16" flange with prefinished aluminum cap. Staked-on end detail allows cross tee removal and reuse.

- XLAL7240 (48", center rout)
 XLAL7220 (24")
 Other _____



3. Wall Molding: Hemmed all-aluminum angle molding with prefinished exposed flanges.

- AL7801 (120", angle molding, nominal 7/8")
 Other _____





AL Prelude® Plus XL

15/16" Environmental Tee System



Physical Data

Material

Double-web aluminum with prepainted aluminum cap

Surface Finish

Baked polyester paint

Face Dimension

15/16"

Profile

Exposed tee

Cross Tee/Main Beam Interface

Override

End Detail

Main Beam: Coupling

Cross Tee: Staked-on XL Clip

Duty Classification

Light-duty*

Main Beam Load Test Data

MAIN BEAMS	LENGTH	WEB HEIGHT	ASTM CLASS	HANGER SPACING Lbs./L.F. Simple Span**	
				3'	4'
AL7200	144"	1-1/2"	Light-duty	13.47	6.24

*(Hanger wire spacing reduced to 36" will yield 13.47 lbs./lf.)

Cross Tee Load Test Data

CROSS TEE	LENGTH	WEB HEIGHT	HANGER SPACING Lbs./L.F. Simple Span**	
			2'	4'
XLAL7220	24"	1-1/2"	44.45	
XLAL7240	48"	1-1/2"		6.33

Seismic Performance

MAIN BEAMS	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
AL7200	221.9

CROSS TEES	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
XLAL7220, XLAL7240	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.

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

Color Selection

- WA - White Aluminum
- NA - Natural Aluminum

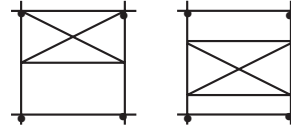
NOTE: Color chips included with samples of Armstrong grid. See your Armstrong representative for sample material.

Maximum Fixture Weight

A. Main Beam to Main Beam

Main Beam ↑
Hanger Wire (•)

1. Fixture*	24" x 48"	24" x 48"
2. Planning Module	48" x 48"	48" x 48"
3. Hanger Spacing	48"	48"
4. Item AL7200	40.0 lbs.	40.0 lbs.



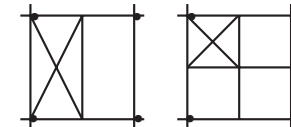
12" x 48"
48" x 48"
48"
40.0 lbs.

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

B. Cross Tee to Cross Tee

Main beams ↑
Hanger Wire (•)

1. Fixture*	24" x 48"	24" x 24"
2. Planning Module	48" x 48"	48" x 48"
3. Hanger Spacing	48"	48"
4. Item XLAL7240	38.0 lbs.	25.0 lbs.



48" Cross tee tested at 6.33 lbs./lin. ft. to 1/360 of 4' span.

NOTE: The above data is based on 48" hanger wire spacing, board weight of 1 lb./sq. ft., maximum deflection of tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C 636.

Fixture weight is based on single fixture only. For end-to-end fixtures or other configurations not shown, consult your Armstrong representative.

*Fixtures weighing more than 56 lbs. should be independently supported.