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## Prelude® ML 15/16" Exposed Tee System

Prelude ML 15/16" Exposed Tee System combines exceptional durability and system stability with installation ease.

### Key Selection Attributes

- PeakForm™** patented profile increases strength and stability for improved performance during installation
 
- SuperLock™** 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
- ML hook end detail provides secure locked connection; easy to remove, reuse and relocate
- 10-year limited warranty; 30-year with **HumiGuard™ Plus** products

### Typical Applications

- Retail
- Schools
- Offices
- Hotels

## Product Description

### Materials

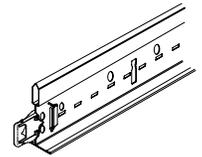
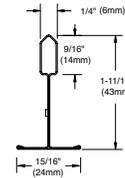
#### A. General:

ASTM C 635 (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 finish.

#### B. Components:

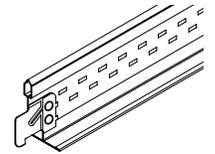
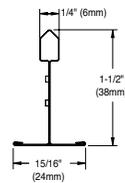
- Main Beams:** Double-web construction, web height 1-11/16" with peaked roof top bulb and 15/16" bottom flange with prefinished galvanized steel or aluminum capping.

- 7300 (144", routs 6" OC, Intermediate-duty)
- 7301 (144", routs 6" OC, Heavy-duty)
- 7302 (120", routs 6" OC, Intermediate-duty)
- Other \_\_\_\_\_



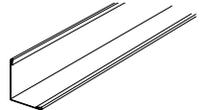
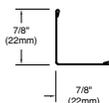
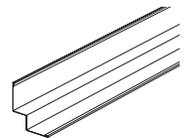
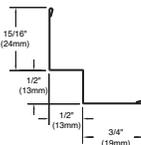
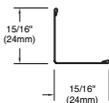
- Cross Tee:** Double-web construction, web height 1-1/2" with peaked roof top bulb and 15/16" flange with prefinished steel or aluminum capping. Hook-type end detail allows cross tee removal without tools.

- ML7313 (12")
- ML7323 (24")
- ML7343 (48", routs 12" OC)
- Other \_\_\_\_\_



- Wall Moldings:** Hemmed (angle molding) (shadow molding) with prefinished exposed flanges.

- 7809 (144", angle molding, nominal 15/16")
- 7875 (120", shadow molding, nominal 3/4" bottom flange, 1/2" reveal)
- HD7801 (120", angle molding, nominal 7/8", bottom flange)
- Other \_\_\_\_\_





# Prelude® ML

## 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

Flush fit

#### End Detail

Main Beam: Staked-on clip

Cross Tee: Staked-on hook clip

#### Duty Classification

Intermediate or Heavy-duty

#### 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	13.0	6.35
7301	144"	1-11/16"	Heavy-duty	16.5	8.73
7302	120"	1-11/16"	Intermediate-duty	13.0	6.35

#### Cross Tee Load Test Data

CROSS TEES	LENGTH	WEB HEIGHT	HANGER SPACING Lbs./LF. (Simple Span)**	
			4'	5'
ML7313	12"	1-1/2"	40.45	
ML7323	24"	1-1/2"	38.63	
ML7343	48"	1-1/2"	9.00	

#### Seismic Performance

MAIN BEAMS	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION	
	7300, 7302	334.0
7301	330.0	

CROSS TEES	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION	
	ALL ML CROSS TEES EXCEED 130 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.

### Color Selection

#### ColorReady™ LightTones

- WH - White
- CR - Cream
- HA - Haze
- PL - Platinum
- BL - Tech Black
- CM - Camel

#### Specular Finishes

- AR - Brass
- AM - Mirror

#### Metallic Finishes

- WA - White Aluminum
- NA - Natural Aluminum

NOTE: 7809 and 7875 are available in White only.

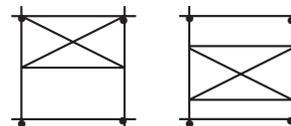
NOTE: Peel off protective film on exposed surfaces to prevent scuffing and marking during installation. This applies to the specular finishes only.

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

### Maximum Fixture Weight

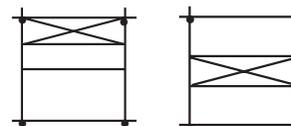
#### A. Main Beam to Main Beam

Main Beam ↑  
Hanger Wire (•)



1. Fixture\* 24" x 48"
2. Planning Module 48" x 48"
3. Hanger Spacing 48"
4. Item 7300/7302 72.0 lbs.
4. Item 7301 76.0 lbs.

1. Fixture\* 24" x 48"
2. Planning Module 48" x 48"
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4. Item 7300/7302 72.0 lbs.
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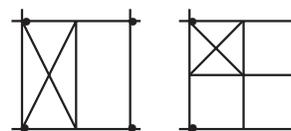
1. Fixture\* 12" x 48"
2. Planning Module 48" x 48"
3. Hanger Spacing 48"
4. Item 7300/7302 72.0 lbs.
4. Item 7301 76.0 lbs.

1. Fixture\* 12" x 48"
2. Planning Module 48" x 48"
3. Hanger Spacing 48"
4. Item 7300/7302 54.0 lbs.
4. Item 7301 76.0 lbs.

Main beams tested as follows: 7300 tested at 13.0 lbs./LF to 1/360 of 4' span; 7301 tested 16.5 lbs./LF to 1/360 of 4' span.

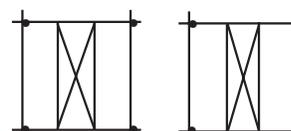
#### B. Cross Tee to Cross Tee

Main beams ↑  
Hanger Wire (•)



1. Fixture\* 24" x 48"
2. Planning Module 48" x 48"
3. Hanger Spacing 48"
4. Item ML7343 51.0 lbs.

1. Fixture\* 24" x 24"
2. Planning Module 48" x 48"
3. Hanger Spacing 48"
4. Item ML7343 36.0 lbs.



1. Fixture\* 24" x 48"
2. Planning Module 48" x 48"
3. Hanger Spacing 48"
4. Item ML7343 51.0 lbs.

1. Fixture\* 12" x 48"
2. Planning Module 48" x 48"
3. Hanger Spacing 48"
4. Item ML7343 47.0 lbs.

Cross tees tested as follows: ML7343 tested at 9.00 lbs./LF to 1/360 of 4' span.

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 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.

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