Choose from a complete assortment of integrated ceiling systems to fit your data center needs for improved air flow management, load carrying capacity, and adaptability.

Whether you choose our new Prelude® XL Max™ suspension system, which provides maximum load carrying capacity via 3/8 inch threaded rod support and reconfigurable hanging clips for cable tray and electrical distribution, or our proven Clean Room™ ceiling system, Armstrong has the right ceiling solutions for your data center project.
HIGH PERFORMANCE CEILING PANEL SELECTIONS
The Prelude® XL Max™ suspension system supports single point loads for cable trays, busways, and more.

Load connector clips attach to the face of the suspension system to eliminate unsightly threaded rod penetrations through the ceiling plane to minimize unwanted air infiltration while improving access, cable tray layout options, and aesthetics.

Integrated hanging clips allow connection to 3/8" threaded rod for flexible and reconfigurable overhead cable tray and electrical distribution without a separate strut channel system.
**HOW IT WORKS**

**PMLC – Prelude® XL Max™ Load Connector**
Used to support bus bars, cable trays, and other components with 3/8” threaded rod along the suspension system face.

**IHC – Intersection Hanging Clip**
Used to increase main beam to cross tee connection strength and carry the ceiling system with 3/8” threaded rod from structure.

**SHC – Supplemental Hanging Clip**
Used to carry the ceiling system with 3/8” threaded rod from any route location along the main beam when plenum obstructions prevent use of the IHC Clip.

**IJC – Intersection Joint Clip**
Used when supporting load from a cross tee that isn’t supported on both sides with the Intersection Hanging Clip.

**TLMBS – Top Lock Main Beam Splice Clip**
Locks two main beams together for a secure connection. *Must be within 6” of an IHC or SHC*

**Prelude XL Max Main Beams and Cross Tees**
15/16” face double bulb suspension system provides maximum load carrying capacity and Seismic D, E, F performance.

3/8” threaded rod to structure (4’ O.C. or as required)

6” Max
**PRELUDE® XL MAX™**
Exposed Tee System

---

#### VISUAL SELECTION

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Face Profile</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>Hanger Spacing* Lbs./Lin. Ft.</th>
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</thead>
<tbody>
<tr>
<td>Prelude XL Max</td>
<td>15/16&quot;</td>
<td>12' HD Main Beam</td>
<td>144 x 15/16 x 2.44&quot;</td>
<td>4.017</td>
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<td>730145</td>
<td>15/16&quot;</td>
<td>4' Cross Tee</td>
<td>48 x 15/16 x 2.44&quot;</td>
<td>4.017</td>
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<td>15/16&quot;</td>
<td>2' Cross Tee</td>
<td>24 x 15/16 x 2.44&quot;</td>
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<tr>
<td>XL7325</td>
<td>7/8&quot;</td>
<td>12' Structural Wall Angle</td>
<td>144 x 7/8 x 7/8&quot;</td>
<td>–</td>
</tr>
</tbody>
</table>

**Molding**

- SWA0878HRC
  - 7/8" | 12' Structural Wall Angle | 144 x 7/8 x 7/8" | – |

*Simple Span

---

#### ACCESSORIES

- **IHC – Intersection Hanging Clip** – Used to increase main beam-to-cross tee connection strength and carry the ceiling system with 3/8" threaded rod from structure.
  - Steel rivets not included
  - IHC – 160 pcs
  - F2HC – 50 pcs

- **XTAC – Cross Tee Adapter Clip** – Securely attaches cross tees or main beams to the structural wall molding around the perimeter of the ceiling installation.
  - XTAC – 100 pcs
  - F2XTAC – 50 pcs

- **SC – Supplementary Hanging Clip** – Used to carry the ceiling system with 3/8" threaded rod from any location along the main beam when plenum obstructions prevent use of the IHC Clip.
  - Machine screws included
  - SHC – 144 pcs
  - F2SHC – 50 pcs

- **TLMBS – Top Lock Main Beam Splice Clip** – Locks two main beams together for a secure connection.
  - 10 pcs (included with item 730145 Main Beam)
  - F2TLMBS – 50 pcs

- **LJC – Intersection Joint Clip** – Used at all cross tee-to-cross tee or main beam-to-cross tee connections not using an IHC Clip.
  - Machine screws included
  - LJC – 250 pcs
  - F2LJC – 50 pcs

- **PMHC – Maximum Hold Down Clip** – Attaches to the top bulb of the Prelude XL Max suspension system to hold ceiling panels in place, helps to prevent ceiling panel movement.
  - PMHDC – 100 pcs
  - F2PMHDC – 50 pcs

---

#### TYPICAL APPLICATIONS

- Data Centers
- Laboratories
- Hospitals

---

#### KEY SELECTION ATTRIBUTES

**Prelude XL Max 15/16" Suspension System**

- 2" x 2" suspension system supports point loads up to 300 lbs. using 3/8" threaded rod and integrated hanging clips to provide:
  - Flexible and reconfigurable overhead cable tray and electrical distribution to meet client needs without a separate strut channel system
  - Eliminates unsightly threaded rod penetrations through the ceiling plane for improved access and aesthetics
  - Reduced ceiling penetrations help minimize unwanted air infiltration
  - Suspension system meets ASTM C635, ASTM C636, ASTM E580, ICC-ES AC156 with Seismic D, E, F available
  - Custom colors available to coordinate with Ultima® Create!™ ceiling panels
  - Factory applied gasket option available
  - 30-Year Limited System Warranty

---

**PERFORMANCE**

<table>
<thead>
<tr>
<th>Fire Guard™</th>
<th>Seismic Category</th>
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</thead>
<tbody>
<tr>
<td>Dots represent high level of performance.</td>
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<tr>
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<tr>
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**PACKAGING**

<table>
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<tr>
<th>Pcs./ Ctn.</th>
<th>Lin. Ft./ Ctn.</th>
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</thead>
<tbody>
<tr>
<td>10</td>
<td>120</td>
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<tr>
<td>30</td>
<td>120</td>
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<tr>
<td>30</td>
<td>60</td>
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</tbody>
</table>

For custom layout information and technical guidelines, contact TechLine™ customer support at 1 877 ARMSTRONG.
**CLEAN ROOM™ Steel Grid Systems**

**KEY SELECTION ATTRIBUTES**

- Suitable for use in Class 5 or greater without hold down clips (Class 100 clean rooms as defined by ISO Standard 14644-1 (Federal Standard 209E) when used with Clean Room FL, Clean Room VL, Ultima® Health Zone™, and Optima® Health Zone™)
- Seismic Rx® suspension system saves time and money; ICC-ES approach to installations (ESR-1308)
- Unique, integral gasket for better seal between panel and suspension system
- Integral main beam splice for easy connections and module control
- XL® staked-on end detail provides secure locked connection
- Rotary-stitched for additional torsion strength and installation
- 10-year limited warranty; 30-year with HumiGuard® Plus

**TYPICAL APPLICATIONS**

- Automotive and aerospace
- Computer rooms
- Hospitals
- Food processing facilities
- High tech manufacturing
- Data Centers
- Pharmaceutical facilities

### VISUAL SELECTION

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Face Profile</th>
<th>Description</th>
<th>Route Spacing</th>
<th>Dimensions (inches)</th>
<th>Hanger Spacing*</th>
<th>Fire Guard**</th>
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<tr>
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<tr>
<td>ES7920</td>
<td>15/16&quot;</td>
<td>2' Cross Tee</td>
<td>2 Ft.</td>
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<tr>
<td>ES7801</td>
<td>15/16&quot;</td>
<td>Main beams L: 36&quot; – 144&quot; / Cross tees L: 6&quot; – 144&quot; / Route spacing 3&quot; from ends, 6&quot; thereafter</td>
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<td></td>
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**PERFORMANCE**

- Dots represent high level of performance.

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<th>Face Profile</th>
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<th>Route Spacing</th>
<th>Dimensions (inches)</th>
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<th>Fire Guard**</th>
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<td>12&quot; O.C.</td>
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<td>ES7940</td>
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<td>2 Ft.</td>
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<td>48 x 15/16 x 1-11/16&quot;</td>
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<tr>
<td>ES7920</td>
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<td>2' Cross Tee</td>
<td>2 Ft.</td>
<td>24 x 15/16 x 1-11/16&quot;</td>
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<td></td>
<td>12&quot; Hemmed Angle Molding</td>
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<td>144 x 15/16 x 15/16&quot;</td>
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</tr>
</tbody>
</table>

**PACKAGING**

- Pcs./Ctn. / Lin. Ft./Ctn.

### MAXIMUM FIXTURE WEIGHT

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Item No.</th>
<th>Fixture*</th>
<th>Planning Module</th>
<th>Hanger Spacing</th>
<th>Maximum Weight</th>
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</thead>
<tbody>
<tr>
<td>Main Beam to Main Beam</td>
<td>ES7901</td>
<td>Cross tee (→) Hanger wire (↑)</td>
<td>24&quot; x 48&quot;</td>
<td>48&quot;</td>
<td>100.0 lbs.</td>
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<tr>
<td></td>
<td>ES7901</td>
<td>Cross tee (→) Hanger wire (↑)</td>
<td>24&quot; x 48&quot;</td>
<td>48&quot;</td>
<td>100.0 lbs.</td>
</tr>
<tr>
<td></td>
<td>ES7901</td>
<td>Cross tee (→) Hanger wire (↑)</td>
<td>12&quot; x 48&quot;</td>
<td>48&quot;</td>
<td>70.0 lbs.</td>
</tr>
</tbody>
</table>

Main beams tested as follows: EA7903 tested at 16.74 lbs./lin. ft. 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.

For LEED® energy and recycling content see page 9.
# SELECTED SQUARE LAY-IN CEILING PANELS

## ULTIMA® HEALTH ZONE™
- Smooth, clean, durable finish – Impact-resistant, Scratch-resistant, and Soil-resistant; safe for use with disinfectants
- Long-lasting water-repellency; Washable and Scrubbable
- Excellent sound absorption
- 30-Year Limited System Warranty against visible sag, mold, and mildew

## ULTIMA® CREATE!™
- Create! panels are available in over 100 standard colors or any custom color! Digitally design your own original artwork and place your vision onto the ceiling plane in your design
- Suspension and Axiom® perimeter trim options available in coordinating standard and custom colors
- Excellent sound absorption – NRC 0.70 – 0.90
- Product is directional
- Custom samples available

## CLEAN ROOM™ FL / VL
- Clean Rooms up to ISO Class 5 (Class 100)
- Durable – Washable, Scrubbable, Soil-resistant
- Non-directional visual reduces installation time and scrap
- 30-Year Limited System Warranty against visible sag, mold, and mildew

## SELECTED SQUARE LAY-IN CEILING PANELS FOR DATA CENTER APPLICATIONS

### PERFORMANCE
Dots represent high level of performance.

<table>
<thead>
<tr>
<th>Edge Profile</th>
<th>Item No.</th>
<th>Dimensions (Inches)</th>
<th>Acoustics</th>
<th>Fire Rating</th>
<th>Light Reflect</th>
<th>Anti-Mold &amp; Mildew</th>
<th>Sag Resist</th>
<th>Certified Low VOC Emissions</th>
<th>Water Repellency</th>
<th>Scrub</th>
<th>Impact Scratch</th>
<th>Soil</th>
<th>Below 11MA/SF</th>
<th>Recyclable Content</th>
<th>Program/Program Approval</th>
<th>Warranty</th>
<th>No. of Years</th>
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<td><strong>ULTIMA Health Zone</strong></td>
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<tr>
<td>15/16&quot; Square Lay-in</td>
<td>☐ 1935*</td>
<td>24 x 24 x 3/4&quot;</td>
<td>0.70</td>
<td>38</td>
<td>–</td>
<td>Class A</td>
<td>0.86</td>
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<tr>
<td>15/16&quot; Square Lay-in</td>
<td>☐ 1938*</td>
<td>24 x 48 x 3/4&quot;</td>
<td>0.70</td>
<td>38</td>
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<td>Class A</td>
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<tr>
<td>15/16&quot; Square Lay-in</td>
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<td>High</td>
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</tbody>
</table>

* Create! colors available on item 1935 | * Item does not have painted edges | †† Based on image/color coverage, NRC may vary slightly.

** Add two-letter color suffix to item when specifying or ordering standard Wood Looks items. (e.g., Z1935UC1 L D)
1 877 ARMSTRONG (276-7876)
Customer Service Representatives
7:45 a.m. to 5:00 p.m. EST Monday through Friday

TechLine – Technical information, detail drawings, CAD design assistance, installation information, other technical services – 8:00 a.m. to 5:30 p.m. EST, Monday through Friday. FAX 1 800 572 8324 or email: techline@armstrongceilings.com

You Inspire™ Solutions Center
1 800 988 2585
e-mail: solutionscenter@armstrongceilings.com
armstrongceilings.com/youinspire

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helping to bring your one-of-a-kind ideas to life

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Standard and custom product information
Online catalog
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A Ceiling for Every Space® Visual Selection Tool
Product literature and samples – express service or regular delivery
Contacts – reps, where to buy, who will install