



ON-CENTER LINEAR LIGHTING Layout Guide

Inspiring Great Spaces™

Armstrong®

CEILING SYSTEMS

symmetry is beautiful

Until now, incorporating on-center linear lighting into your ceiling layouts has been a challenge.

Now, Armstrong can help you deliver your vision of a perfectly symmetrical, perfectly finished ceiling featuring on-center continuous or non-continuous linear lighting using factory-finished ceiling panels and suspension systems.

On-center
continuous and
non-continuous
linear lighting
layouts are easy
to customize

- Lay out your ceiling design with your favorite linear light fixture
- Choose from unlimited combinations of continuous or non-continuous layouts using on-center light spacing
- Specify factory-finished Armstrong® FastSize™ or made-to-order ceiling panels and suspension systems

armstrong.com/linearlighing

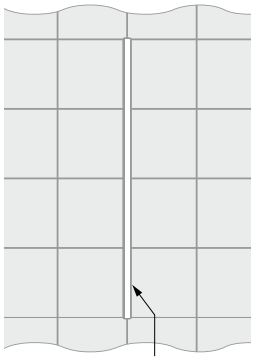




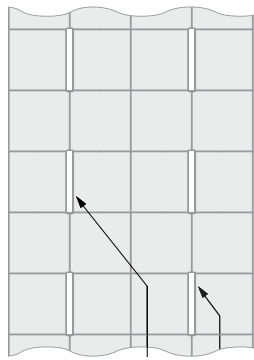
On-center Linear

Using a combination of FastSize™ factory-finished ceiling panels and suspension systems, perfect lighting layouts like this are easy to specify and install.

Ultima® Beveled Tegular 24" x 24" panels with Silhouette® 1/4" reveal 9/16" suspension system and 4" linear light fixtures



CONTINUOUS

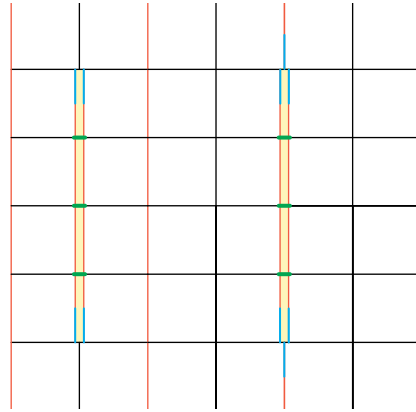


NON-CONTINUOUS

ON-CENTER LINEAR LIGHTING Layout Guide

design your layout

select from one of our standard layouts or create your own configuration



KEY:

- Main Beams
- Cross Tees
- Main Beam-to-Cross Tee Adapter
- Lighting Connector Bracket or TechZone® Ceiling Systems Yoke
- Lights (suggested location)

choose your field panels, suspension system, and accessories

FASTSIZE™ – CEILING PANELS AND SUSPENSION SYSTEMS

FastSize panels and suspension systems are perfect for designs where building modules are not standard, or if you'll be using narrow linear fixtures or diffusers. These installations require cuts for Tegular or Vector® ceiling panels and custom routed suspension system around lights and diffusers. Now you can have crisp, clean factory finish panels and suspension system throughout your project.

- Popular textures, including Cirrus®, Optima®, Optima® Capz™, and Ultima® (details below)
- Factory finished:
 - Edge details on ceiling panels
 - Routing for suspension systems
- Size flexibility ranges from:
 - 4" – 48" long and 4" – 120" wide for panels
 - 36" – 144" for main beams and 6" – 144" for cross tees
 - Metric sizes also available

LYRA™, CALLA™

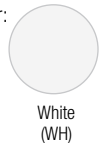
- Smooth drywall-like ceiling visual
 - Coordinates with Blizzard White suspension system and Axiom® trim
 - High light reflectance
 - High durability
- Outstanding acoustical performance
 - Reduces reverberation
 - Enhances speech privacy
 - 0.95 NRC Lyra, 0.85 NRC Calla



White (WH)

OPTIMA®, ULTIMA®

- Non-directional DuraBrite® surface for:
 - Excellent durability
 - Superior light reflectance to enhance daylighting and save energy
- Outstanding acoustical performance:
 - Reduces noise reverberation
 - Enhances speech privacy in open plan environments
 - 0.90+ NRC Optima, 0.70 NRC Ultima
- Vector® panel options for semi-concealed visual



White (WH)

ACOUSTICAL CONSIDERATIONS

Why Choose Mineral Fiber?

Mineral fiber ceiling panels provide excellent sound absorption and prevent sound transmission from one area to another; ideally suited for closed plan spaces.

Why Choose Fiberglass?

Fiberglass panels offer high outstanding acoustical performance in open plan areas where noise levels and speech privacy are important. They also offer options of larger format ceiling panels.

ALL LYRA, OPTIMA, CALLA, AND ULTIMA PANELS ARE:



Class A Fire Rated



Anti-microbial



Washable



Scrubbable



Impact-resistant

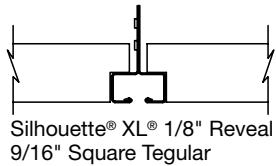


Soil-resistant

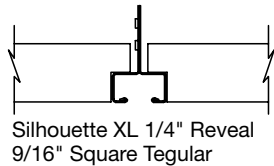
Item No.	Description	Dimensions (Inches)	Edge Profile	Acoustics			Light Reflect	Sag Resistance	Recycling Program	Recycled Content
				NRC	CAC	AC				
Square Tegular Panels										
□ 8361	Lyra	24 x 24 x 1"		0.95	N/A	190	0.88	HumiGuard® Plus	Yes	71%
□ 8357		24 x 48 x 1"								
□ 8359		30 x 30 x 1"								
□ 3251†	Optima	24 x 24 x 1"		0.95	N/A	190	0.90	HumiGuard Plus	Yes	71%
□ 3257†		24 x 48 x 1"								
□ 3259†		30 x 30 x 1"								
Beveled Tegular Panels										
□ 2824	Calla	24 x 24 x 7/8"		0.85	32	170	0.86	HumiGuard Plus	Yes	76%
□ 2825		24 x 48 x 7/8"								
□ 1912†	Ultima	24 x 24 x 3/4"		0.70	35	N/A	0.90	HumiGuard Plus	Yes	Up to 86%
□ 1915†		24 x 48 x 3/4"								
□ 1905†		30 x 30 x 3/4"								

choose your suspension system

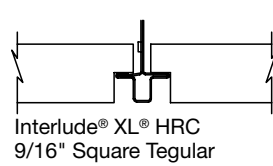
BELOW IS A SELECTION OF 9/16" MAIN BEAMS, CROSS TEES, AND MAIN BEAM TO CROSS TEE ADAPTERS CREATED TO SIMPLIFY COMMON ON-CENTER LIGHTING LAYOUTS



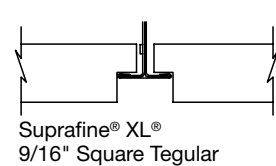
Silhouette® XL® 1/8" Reveal
9/16" Square Tegular



Silhouette XL 1/4" Reveal
9/16" Square Tegular



Interlude® XL® HRC
9/16" Square Tegular



Suprafine® XL®
9/16" Square Tegular

Item No.	Description	Route Spacing	Notching
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Silhouette XL 1/8" Reveal 9/16" Slotted Tee Suspension System

<input type="checkbox"/> 761238__	12' HD Main Beam – Notched 24" O.C. one side	12" O.C.	
<input type="checkbox"/> 761228__	10' HD Main Beam – Notched 24" O.C. one side	12" O.C.	
<input type="checkbox"/> 761218__	8' HD Main Beam – Notched 24" O.C. one side	12" O.C.	
<input type="checkbox"/> 761208__	6' HD Main Beam – Notched 24" O.C. one side	12" O.C.	

Cross Tees

<input type="checkbox"/> XL76898__	8' Cross Tee – Notched both sides at 24", 72", notched one side at 46", 50", and on opposite side at 48"	–	
<input type="checkbox"/> XL76498__	4' Cross Tee – Notched one side only at 22", 26" and on opposite side at 24"	–	
<input type="checkbox"/> XL76478__	46" Cross Tee – Notched both sides at 22"	–	
<input type="checkbox"/> XL76448__	44" Cross Tee – Center notched, both sides	–	
<input type="checkbox"/> XL76288__	28" Cross Tee – Unnotched	–	
<input type="checkbox"/> XL76228__	22" Cross Tee – Unnotched	–	

Main Beam-to-Cross Tee Adapter

<input type="checkbox"/> GA76998__	1' Main Beam-to-Cross Tee Adapter	–	
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Silhouette XL 1/4" Reveal 9/16" Slotted Tee Suspension System

<input type="checkbox"/> 76123__	12' HD Main Beam – Notched 24" O.C. one side	12" O.C.	
<input type="checkbox"/> 76122__	10' HD Main Beam – Notched 24" O.C. one side	12" O.C.	
<input type="checkbox"/> 76121__	8' HD Main Beam – Notched 24" O.C. one side	12" O.C.	
<input type="checkbox"/> 76120__	6' HD Main Beam – Notched 24" O.C. one side	12" O.C.	

Cross Tees

<input type="checkbox"/> XL7689__	8' Cross Tee – Notched both sides at 24", 72", notched one side at 46", 50", and on opposite side at 48"	–	
<input type="checkbox"/> XL7649__	4' Cross Tee – Notched one side only at 22", 26" and on opposite side at 24"	–	
<input type="checkbox"/> XL7647__	46" Cross Tee – Notched both sides at 22"	–	
<input type="checkbox"/> XL7644__	44" Cross Tee – Center notched, both sides	–	
<input type="checkbox"/> XL7628__	28" Cross Tee – Unnotched	–	
<input type="checkbox"/> XL7622__	22" Cross Tee – Unnotched	–	

Main Beam-to-Cross Tee Adapter

<input type="checkbox"/> GA7699__	1' Main Beam-to-Cross Tee Adapter	–	
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Item No.	Description	Route Spacing
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Interlude XL HRC 9/16" Suspension System

<input type="checkbox"/> 6126HRC__	10' HD Main Beam	6" O.C.
<input type="checkbox"/> 6125HRC__	8' HD Main Beam	6" O.C.
<input type="checkbox"/> 6124HRC__	6' HD Main Beam	6" O.C.

Cross Tees

<input type="checkbox"/> XL6189HRC__	8' Cross Tee	24", 46", 48", 50", 72"
<input type="checkbox"/> XL6149HRC__	4' Cross Tee	22", 24", 26"
<input type="checkbox"/> XL6147HRC__	46" Cross Tee	22"
<input type="checkbox"/> XL6144HRC__	44" Cross Tee	22"
<input type="checkbox"/> XL6128HRC__	28" Cross Tee	–
<input type="checkbox"/> XL6122HRC__	22" Cross Tee	–

Main Beam-to-Cross Tee Adapter

<input type="checkbox"/> GA6199HRC__	1' Main Beam-to-Cross Tee Adapter	–
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Suprafine XL 9/16" Suspension System

<input type="checkbox"/> 7526__	10' HD Main Beam	6" O.C.
<input type="checkbox"/> 7525__	8' HD Main Beam	6" O.C.
<input type="checkbox"/> 7524__	6' HD Main Beam	6" O.C.

Cross Tees

<input type="checkbox"/> XL7589__	8' Cross Tee	24", 46", 48", 50", 72"
<input type="checkbox"/> XL7543__	4' Cross Tee	22", 24", 26"
<input type="checkbox"/> XL7547__	46" Cross Tee	22"
<input type="checkbox"/> XL7544__	44" Cross Tee	22"
<input type="checkbox"/> XL7522__	22" Cross Tee	–

Main Beam-to-Cross Tee Adapter

<input type="checkbox"/> 7599__	1' Main Beam-to-Cross Tee Adapter	–
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Accessories

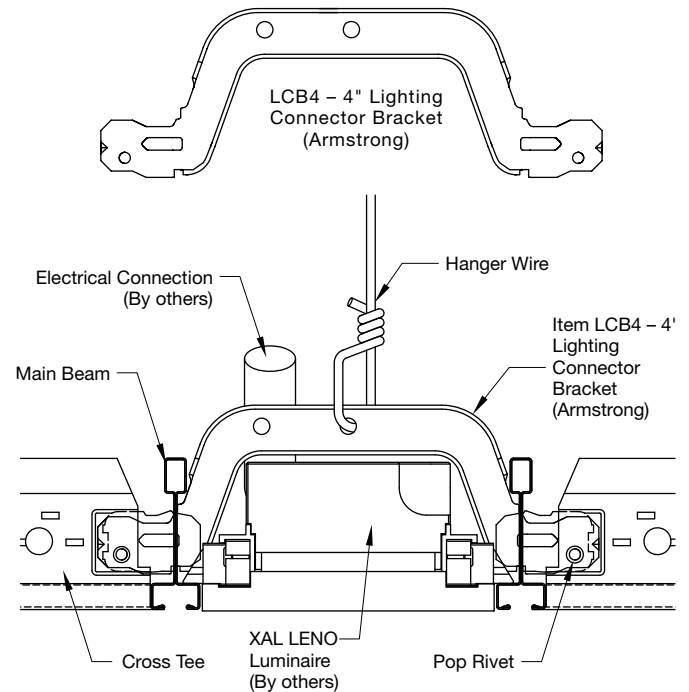
<input type="checkbox"/> LCB4	4" Lighting Connector Bracker (for XAL LENO Light Fixture only)	–
<input type="checkbox"/> TZYK	TechZone® Ceiling Systems Continuous Lighting Yoke (for 4" to 6" wide light fixtures)	–
<input type="checkbox"/> STAC	Single Tee Adapter Clip	–

clips and accessories for lighting

LINEAR LIGHTING INTEGRATION – CLIPS AND ACCESSORIES

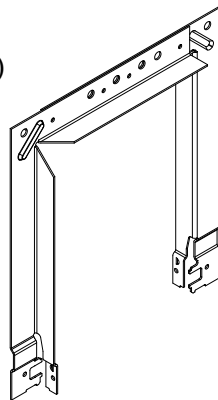


- The Zero Plenum Lighting Connector Bracket (LCB4) helps maintain the 4" wide suspension system opening, ensuring the XAL LENO fixture fits properly and securely into the ceiling opening.
- The LCB4 installs like a small cross tee, stabbing through the route holes in the two perpendicular main beams and aligning with the two parallel cross tees.



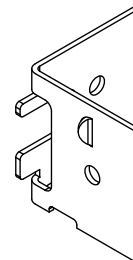
TECHZONE® CEILING SYSTEMS YOKE (TZYK)

- Create a sleek ceiling design with uninterrupted ribbons of light
- Alternate continuous lights and diffusers with other services for a monolithic, uncluttered visual
- Easy installation
- Seismic tested
- Ability to use with 4" and 6" configurations



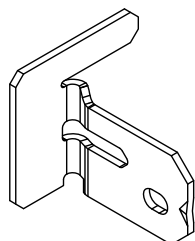
TECHZONE CEILING SYSTEMS BRACING CLIP (TZBC)

Use to connect cross tees to the main beam of the continuous technical zone when no yoke is present.



STAC CLIP

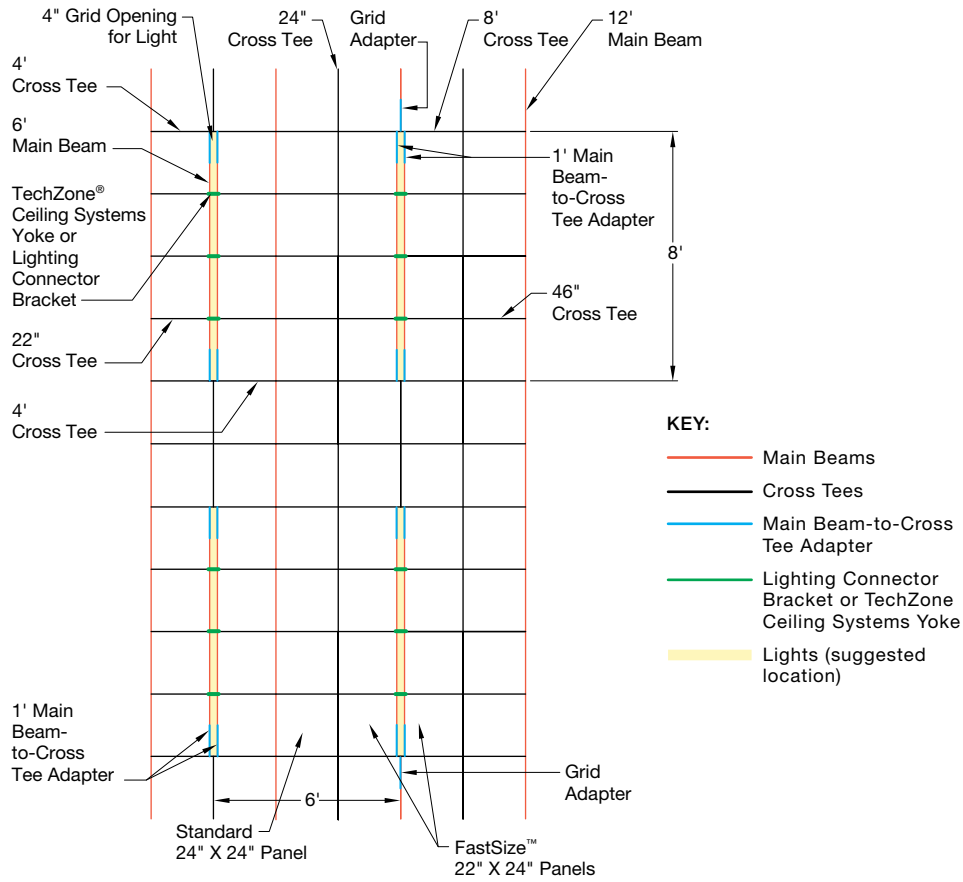
Allows you to create strong, code compliant, non-seismic and seismic D, E, F main beam-to-cross tee connections.





continuous light fixture layout – 6' on-center

8' LINEAR LIGHTS WITH 9/16" SUSPENSION SYSTEM AND ARMSTRONG® CEILING PANELS



Item No.	Description	Acoustics		Light Reflect	Sag Resistance	Recycling Program	Recycled Content
		NRC	CAC				

Ceiling Panels

<input type="checkbox"/> 1912	Ultima® 24" x 24" Beveled Tegular	0.70	35	0.90	HumiGuard Plus	Yes	Up to 86%
<input type="checkbox"/> FastSize™	Ultima 22" x 24" FastSize	0.70	35	0.90	HumiGuard Plus	Yes	Up to 86%

Description	Interlude® XL® HRC	Suprafine®	Silhouette® 1/4"	Silhouette 1/8"	Silhouette Notes
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Main Beams

12' HD Main Beam Routes 6" O.C.	<input type="checkbox"/> 6101HRC	<input type="checkbox"/> 7501	<input type="checkbox"/> 76123	<input type="checkbox"/> 76638	Routes 12" O.C., Single Notch 24" O.C.
6' HD Main Beam Routes 6" O.C.	<input type="checkbox"/> 6124HRC	<input type="checkbox"/> 7524	<input type="checkbox"/> 76120	<input type="checkbox"/> 76608	Routes 12" O.C., Single Notch 24" O.C.

Cross Tees

8' Cross Tee Routes at 24", 46", 48", 50", 72"	<input type="checkbox"/> XL6189HRC	<input type="checkbox"/> XL7589	<input type="checkbox"/> XL7689	<input type="checkbox"/> XL76898	Routes 12" O.C., Double Notch at 24", 72", notched one side at 46", 50", and on opposite side at 48"
4' Cross Tee Routes at 22", 24", 26"	<input type="checkbox"/> XL6149HRC	<input type="checkbox"/> XL7543	<input type="checkbox"/> XL7649	<input type="checkbox"/> XL76498	Notched one side only at 22", 26", and on opposite side at 24"
46" Cross Tee Routes at 22"	<input type="checkbox"/> XL6147HRC	<input type="checkbox"/> XL7547	<input type="checkbox"/> XL7647	<input type="checkbox"/> XL76478	Double Notch at 22"
22" Cross Tee	<input type="checkbox"/> XL6122HRC	<input type="checkbox"/> XL7522	<input type="checkbox"/> XL7622	<input type="checkbox"/> XL76228	Unnotched
1' Grid Adapter	<input type="checkbox"/> GA6199HRC	<input type="checkbox"/> GA7599	<input type="checkbox"/> GA7699	<input type="checkbox"/> GA76998	Unnotched

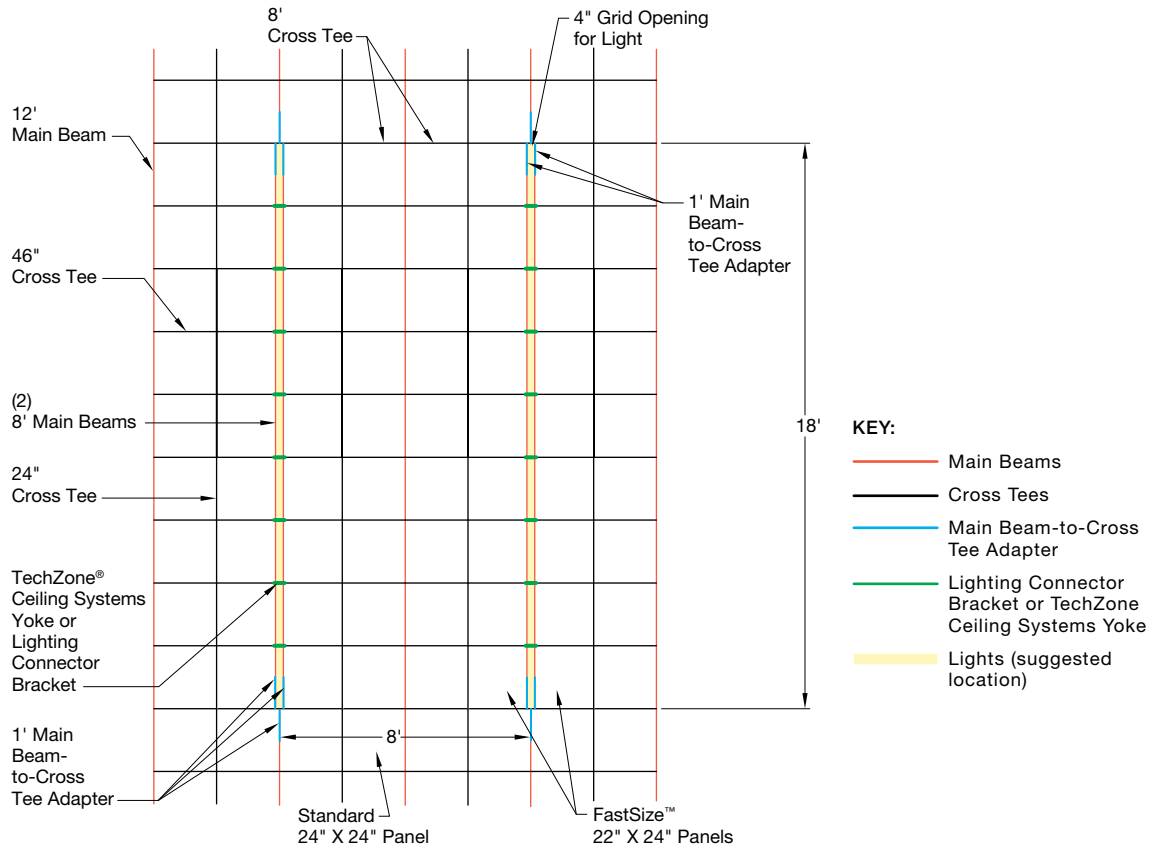
Item No.	Description
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Accessories

<input type="checkbox"/> LCB4	4" Lighting Connector Bracket (for XAL LENO Light Fixture only)
<input type="checkbox"/> TZYK	TechZone Ceiling Systems Continuous Lighting Yoke (for 4" to 6" wide light fixtures)
<input type="checkbox"/> STAC	Single Tee Adapter Clip

continuous light fixture layout – 8' on-center

18' LINEAR LIGHTS WITH 9/16" SUSPENSION SYSTEM AND ARMSTRONG® CEILING PANELS



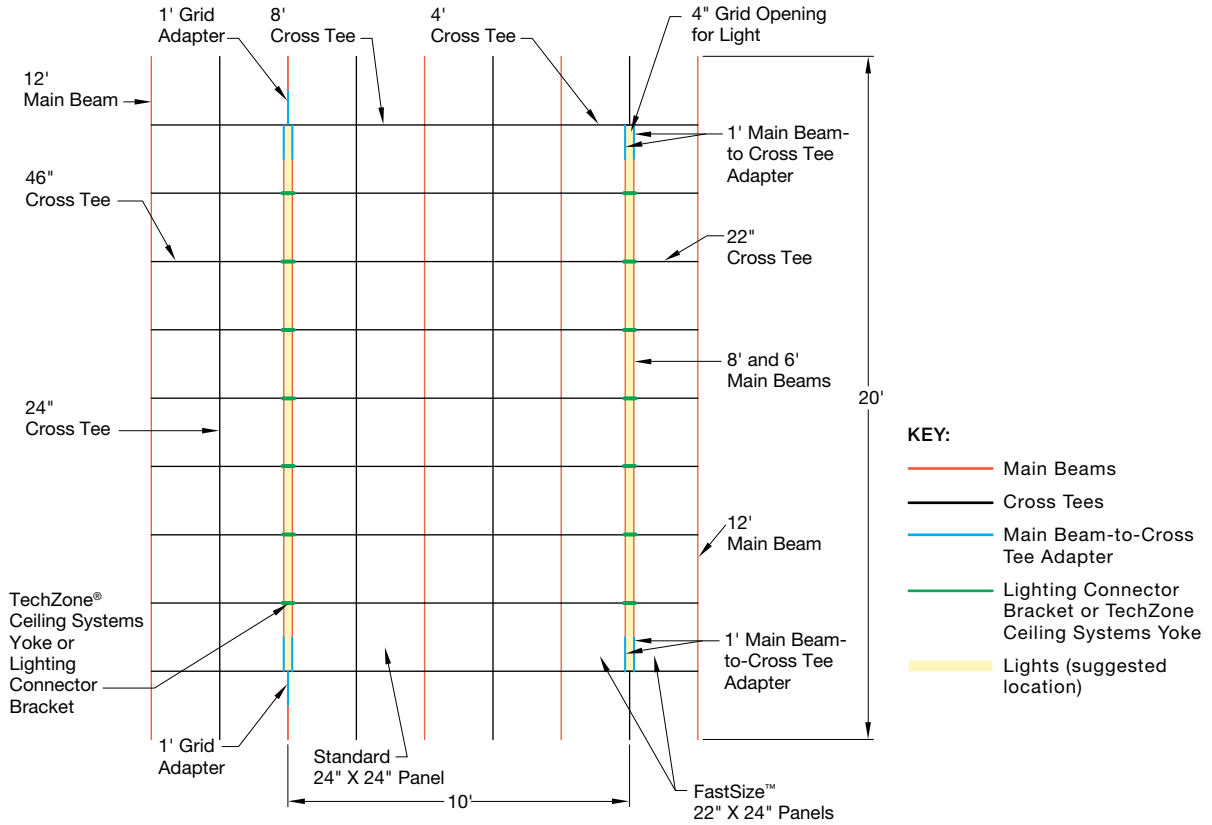
Item No.	Description	Acoustics		Light Reflect	Sag Resistance	Recycling Program	Recycled Content
		NRC	CAC				
Ceiling Panels							
□ 1912	Ultima® 24" x 24" Beveled Tegular	0.70	35	0.90	HumiGuard Plus	Yes	Up to 86%
□ FastSize™	Ultima 22" x 24" FastSize	0.70	35	0.90	HumiGuard Plus	Yes	Up to 86%

Description	Interlude® XL® HRC	Suprafine®	Silhouette® 1/4"	Silhouette 1/8"	Silhouette Notes
Main Beams					
12' HD Main Beam Routes 6" O.C.	□ 6101HRC	□ 7501	□ 76123_ _	□ 76638	Routes 12" O.C., Single Notch 24" O.C.
8' HD Main Beam Routes 6" O.C.	□ 6125HRC	□ 7525	□ 76121_ _	□ 76618	Routes 12" O.C., Single Notch 24" O.C.
Cross Tees					
8' Cross Tee Routes at 24", 46", 48", 50", 72"	□ XL6189HRC	□ XL7589	□ XL7689	□ XL76898	Routes 12" O.C., Double Notch at 24", 72", notched one side at 46", 50", and on opposite side at 48"
46" Cross Tee Routes at 22"	□ XL6147HRC	□ XL7547	□ XL7647	□ XL76478	Double Notch at 22"
24" Cross Tee	□ XL6120HRC	□ XL7520	□ XL7620	□ XL76208	Unnotched
1' Grid Adapter	□ GA6199HRC	□ GA7599	□ GA7699	□ GA76998	Unnotched

Item No.	Description
Accessories	
□ LCB4	4" Lighting Connector Bracket (for XAL LENO Light Fixture only)
□ TZYK	TechZone® Ceiling Systems Continuous Lighting Yoke (for 4" to 6" wide light fixtures)
□ STAC	Single Tee Adapter Clip

continuous light fixture layout – 10' on-center

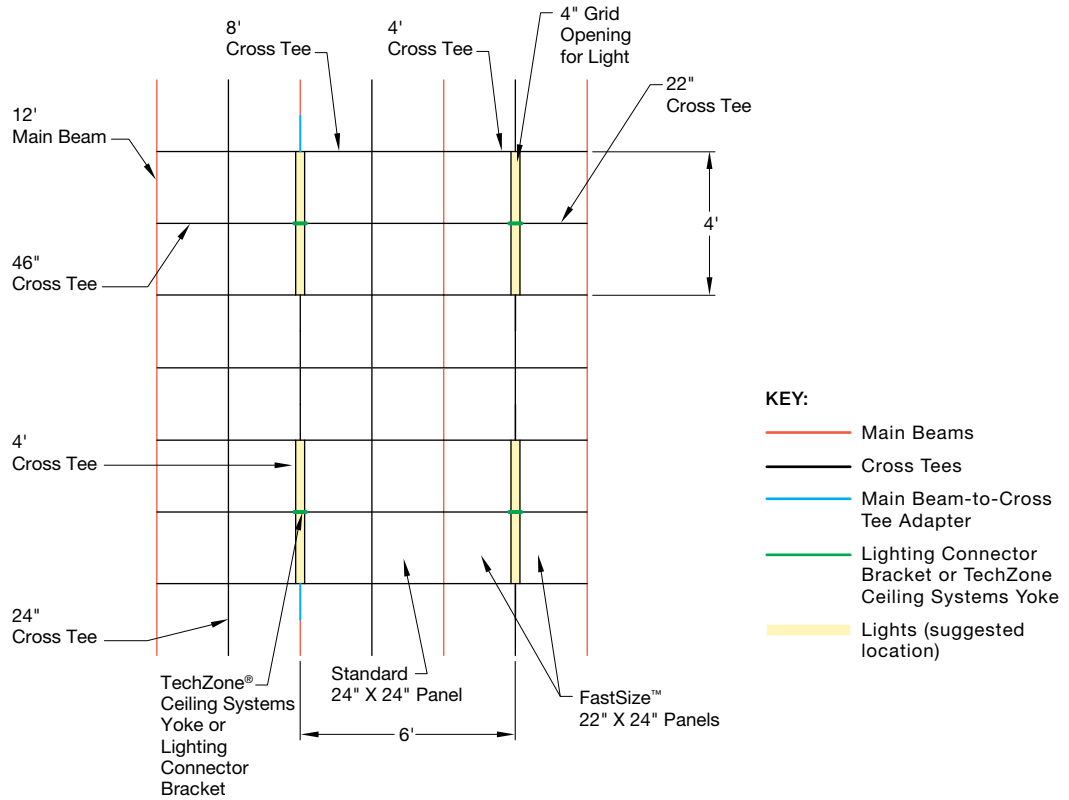
16' LINEAR LIGHTS WITH 9/16" SUSPENSION SYSTEM AND ARMSTRONG® CEILING PANELS



Item No.	Description	Acoustics		Light Reflect	Sag Resistance	Recycling Program	Recycled Content
		NRC	CAC				
Ceiling Panels							
□ 1912	Ultima® 24" x 24" Beveled Tegular	0.70	35	0.90	HumiGuard Plus	Yes	Up to 86%
□ FastSize™	Ultima 22" x 24" FastSize	0.70	35	0.90	HumiGuard Plus	Yes	Up to 86%
Description	Interlude® XL® HRC	Suprafine®	Silhouette® 1/4"	Silhouette 1/8"	Silhouette Notes		
Main Beams							
12' HD Main Beam Routes 6" O.C.	□ 6101HRC	□ 7501	□ 76123_ _	□ 76638	Routes 12" O.C., Single notch 24" O.C.		
8' HD Main Beam Routes 6" O.C.	□ 6125HRC	□ 7525	□ 76121_ _	□ 76618	Routes 12" O.C., Single notch 24" O.C.		
6' HD Main Beam Routes 6" O.C.	□ 6124HRC	□ 7524	□ 76120_ _	□ 76608	Routes 12" O.C., Single notch 24" O.C.		
Cross Tees							
8' Cross Tee Routes at 24", 46", 48", 50", 72"	□ XL6189HRC	□ XL7589	□ XL7689	□ XL76898	Routes 12" O.C., Double Notch at 24", 72", notched one side at 46", 50" and on opposite side at 48"		
4' Cross Tee Routes at 22", 24", 26"	□ XL6149HRC	□ XL7543	□ XL7649	□ XL76498	Notched one side only at 22", 26" and on opposite side at 24"		
46" Cross Tee Routes at 22"	□ XL6147HRC	□ XL7547	□ XL7647	□ XL76478	Double Notch at 22"		
24" Cross Tee	□ XL6120HRC	□ XL7520	□ XL7620	□ XL76208	Unnotched		
22" Cross Tee	□ XL6122HRC	□ XL7522	□ XL7622	□ XL76228	Unnotched		
1' Grid Adapter	□ GA6199HRC	□ GA7599	□ GA7699	□ GA76998	Unnotched		
Item No.	Description						
Accessories							
□ LCB4	4" Lighting Connector Bracket (for XAL LENO Light Fixture only)						
□ TZYK	TechZone® Ceiling Systems Continuous Lighting Yoke (for 4" to 6" wide light fixtures)						
□ STAC	Single Tee Adapter Clip						

discontinuous light fixture layout – 6' on-center

4' LINEAR LIGHTS WITH 9/16" SUSPENSION SYSTEM AND ARMSTRONG® CEILING PANELS



Item No.	Description	Acoustics		Light Reflect	Sag Resistance	Recycling Program	Recycled Content
		NRC	CAC				
Ceiling Panels							
<input type="checkbox"/> 1912	Ultima® 24" x 24" Beveled Tegular	0.70	35	0.90	HumiGuard Plus	Yes	Up to 86%
<input type="checkbox"/> FastSize™	Ultima 22 x 24" FastSize	0.70	35	0.90	HumiGuard Plus	Yes	Up to 86%

Description	Interlude®	Suprafine®	Silhouette® 1/4"	Silhouette 1/8"	Silhouette Notes
Main Beams					
12' HD Main Beam Routes 6" O.C.	<input type="checkbox"/> 6101HRC	<input type="checkbox"/> 7501	<input type="checkbox"/> 76123_ _	<input type="checkbox"/> 76638	Routes 12" O.C., Single notch 24" O.C.
Cross Tees					
8' Cross Tee Routes at 24", 46", 48", 50", 72"	<input type="checkbox"/> XL6189HRC	<input type="checkbox"/> XL7589	<input type="checkbox"/> XL7689	<input type="checkbox"/> XL76898	Routes 12" O.C., Double Notch at 24", 72", notched one side at 46", 50", and on opposite side at 48"
4' Cross Tee Routes at 22", 24", 26"	<input type="checkbox"/> XL6149HRC	<input type="checkbox"/> XL7543	<input type="checkbox"/> XL7649	<input type="checkbox"/> XL76498	Routes 12" O.C., Double Notch at 22", 26", and on opposite side at 24"
48" Cross Tee Routes at 24"	<input type="checkbox"/> XL6140HRC	<input type="checkbox"/> XL7540	<input type="checkbox"/> XL7646	<input type="checkbox"/> XL76468	Single Notch 24" O.C.
46" Cross Tee Routes at 22"	<input type="checkbox"/> XL6147HRC	<input type="checkbox"/> XL7547	<input type="checkbox"/> XL7647	<input type="checkbox"/> XL76478	Double Notch at 22"
24" Cross Tee	<input type="checkbox"/> XL6120HRC	<input type="checkbox"/> XL7520	<input type="checkbox"/> XL7620	<input type="checkbox"/> XL76208	Unnotched
22" Cross Tee	<input type="checkbox"/> XL6122HRC	<input type="checkbox"/> XL7522	<input type="checkbox"/> XL7622	<input type="checkbox"/> XL76228	Unnotched
1' Grid Adapter	<input type="checkbox"/> GA6199HRC	<input type="checkbox"/> GA7599	<input type="checkbox"/> GA7699	<input type="checkbox"/> GA76998	Unnotched

Item No.	Description
Accessories	
<input type="checkbox"/> LCB4	4" Lighting Connector Bracket (for XAL LENO Light Fixture only)
<input type="checkbox"/> TZYK	TechZone® Ceiling Systems Continuous Lighting Yoke (for 4" to 6" wide light fixtures)
<input type="checkbox"/> STAC	Single Tee Adapter Clip

take the next step

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@armstrong.com

armstrong.com/linearlighting

- Data/Submittal pages and samples
- Revit® and CAD files
- Installation instructions and videos

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Inspiring Great Spaces™

BPCS-5008-615

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CEILING SYSTEMS