



XAL

LENO

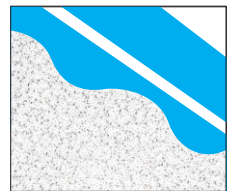
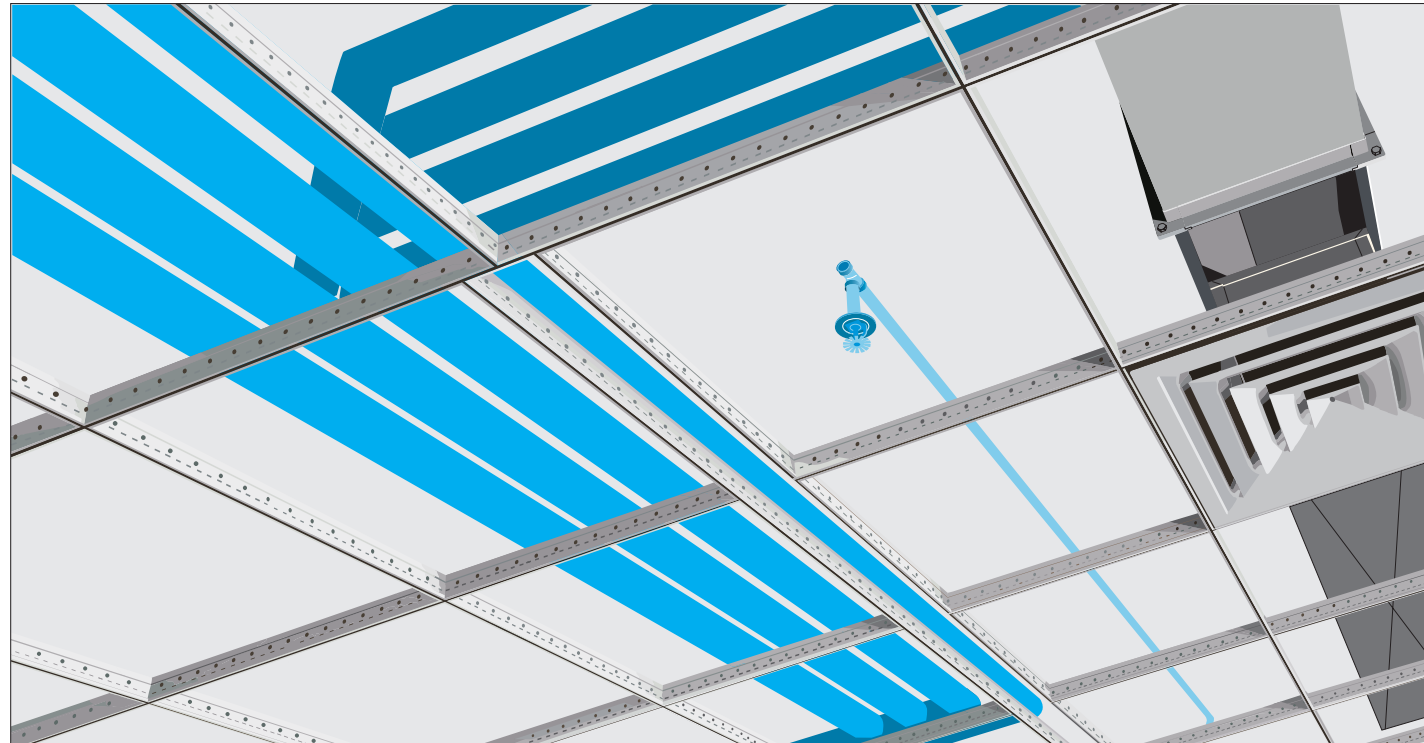
Flat profile luminaire

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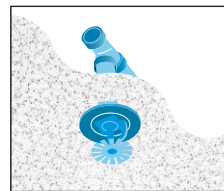
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Linear lighting integration

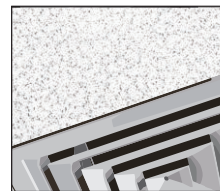
XAL and Armstrong® zero plenum lights are making it easier than ever for you to create inspiring ceiling designs with higher ceiling heights, zero plenum interference and on-center continuous or non-continuous layouts, direct light cove and drywall ceiling layouts that provide clean, modern aesthetics you'll love.



Cover up water pipes



Make sprinkler systems more appealing



Hide AC ducts

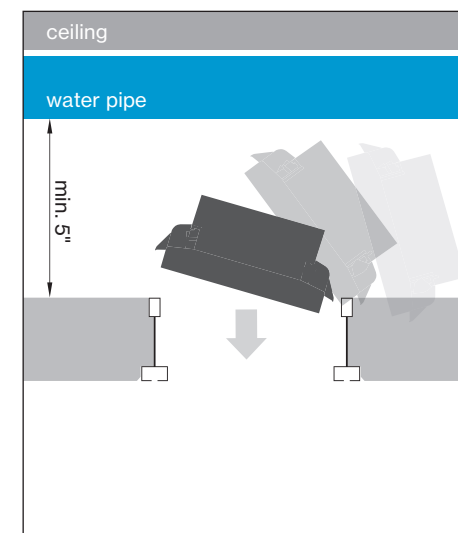
Creating beautiful ceilings

Our integrated system design allows the high performance LENO zero plenum LED light fixture to install from below to eliminate ceiling re-work when specified with factory-finished Armstrong® ceiling panels and ceiling systems. Hide away water pipes, AC ducts or sprinkler pipes. The result are aesthetically pleasing ceilings.



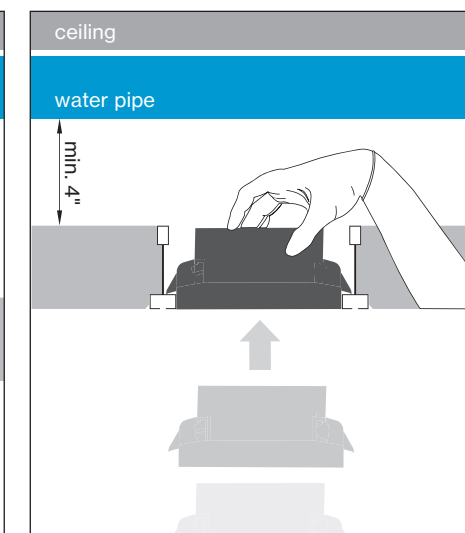
Typical constraints with grid-installed luminaires

1 INSTALLATION FROM ABOVE



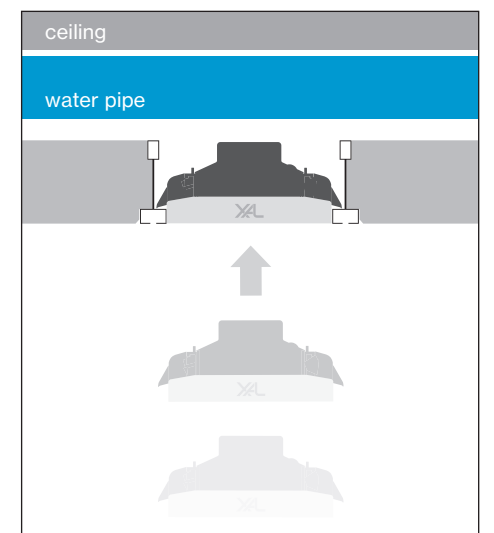
Installation from above needs a minimum amount of plenum space.

2 PARTIAL INSTALLATION FROM BELOW



Ceiling access is needed for partial installation from below. The required ceiling height varies based on tools needed and on the installers.

3 INSTALLATION FROM BELOW



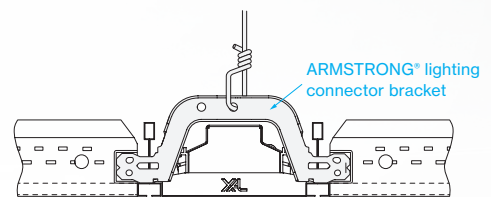
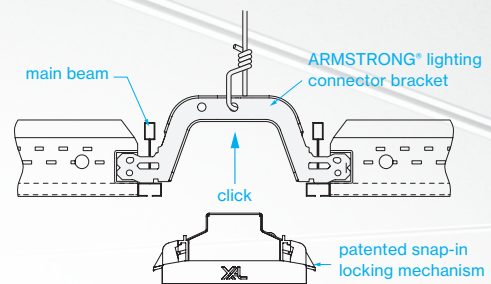
LENO has no overhead height constraints. It easily installs in true zero plenum applications without ceiling access.



One simple click

Quick and easy mounting

XAL patented snap-in locking latches offer the fastest install of 4" linear light system on the market. Once Armstrong® 5/16" ceiling systems are installed, LENO snaps right in.

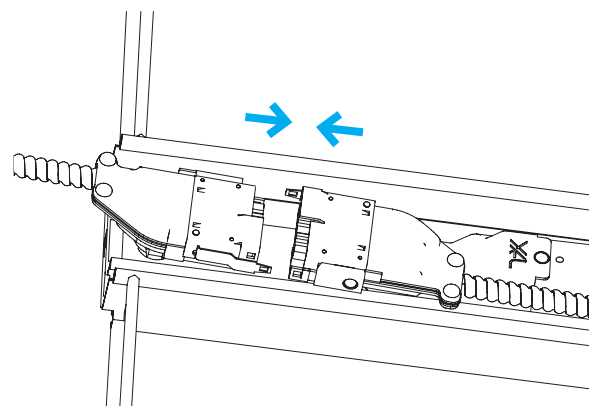


Quick and easy mounting

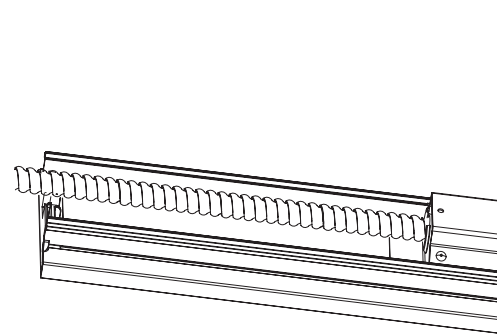
No tool mounting

No tools are required thanks to patented snap-in mounting for easy installation of the fixture. Simple and fast electrical wiring with 5-conductor plug and play conduit through-wire system (order separately). Fixtures can be mounted after the Armstrong® ceiling installation is finished, therefore minimizing the coordination of the different trades used in light installation.

PLUG-AND-PLAY CONTINUOUS RUN

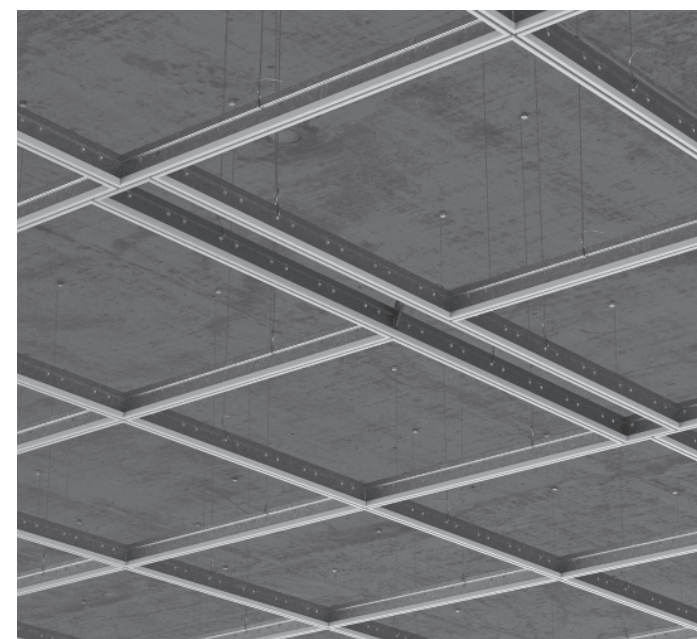


WHIP - INDIVIDUAL SECTION



Easy assembly in four steps

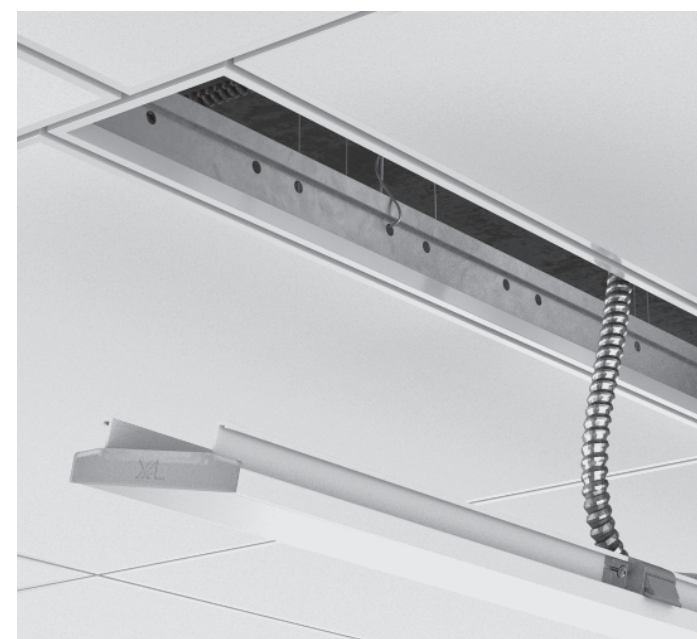
STEP 1



STEP 2



STEP 3



STEP 4



LENO

SIZE

4"



GRID

ARMSTRONG®
SILHOUETTE®



ARMSTRONG®
SUPRAFINE®

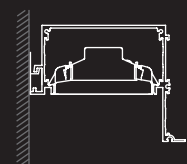


ARMSTRONG®
INTERLUDE®

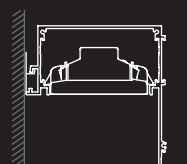


THIRD PARTY KITS

ARMSTRONG®
AXIOM® 4" COVE



ARMSTRONG®
AXIOM® 6" COVE



ARMSTRONG®
DRYWALL KIT



**contact your ARMSTRONG® Ceilings rep
for availability*

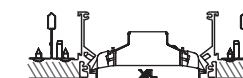
	ARMSTRONG® Silhouette® ¼" Reveal	ARMSTRONG® Silhouette® ⅛" Reveal	ARMSTRONG® 9/16" Suprafine®	ARMSTRONG® Interlude®	ARMSTRONG® Techzone®	ARMSTRONG® Axiom Direct Light Cove®	ARMSTRONG® Drywall Kit
TYPE							
LENO 4.0 24" GRID	•	•	•	•	•	*	*
LENO 4.0 30" GRID	•	•	•	•	•	*	*



Drywall kit

Seamless integration in drywalls

The linear light drywall kit is integrated seamlessly between drywall ceilings and the LENO luminaire. Depending on the desired area of application, Armstrong® drywall kits are available in different lengths and heights. This system allows a quick and easy flush mounting in drywall ceilings and a tool-free installation of the LENO luminaire using magnets. Higher ceiling heights without compromise on clean design. Contact Armstrong® for mounting hardware details.

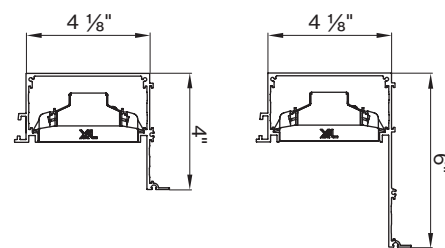




Direct light cove channel

Perfect for ultra low plenum clearance

The Axiom® direct light cove channel (in extruded aluminum) is optimized for applications in corridors or entry areas with low ceilings. The flat LENO luminaire can easily be integrated thanks to the plug and play adapter. Depending on the structural preconditions the light cove channel is available in two different heights and could be integrated in all Armstrong® suspension systems. Contact Armstrong® for mounting hardware details.

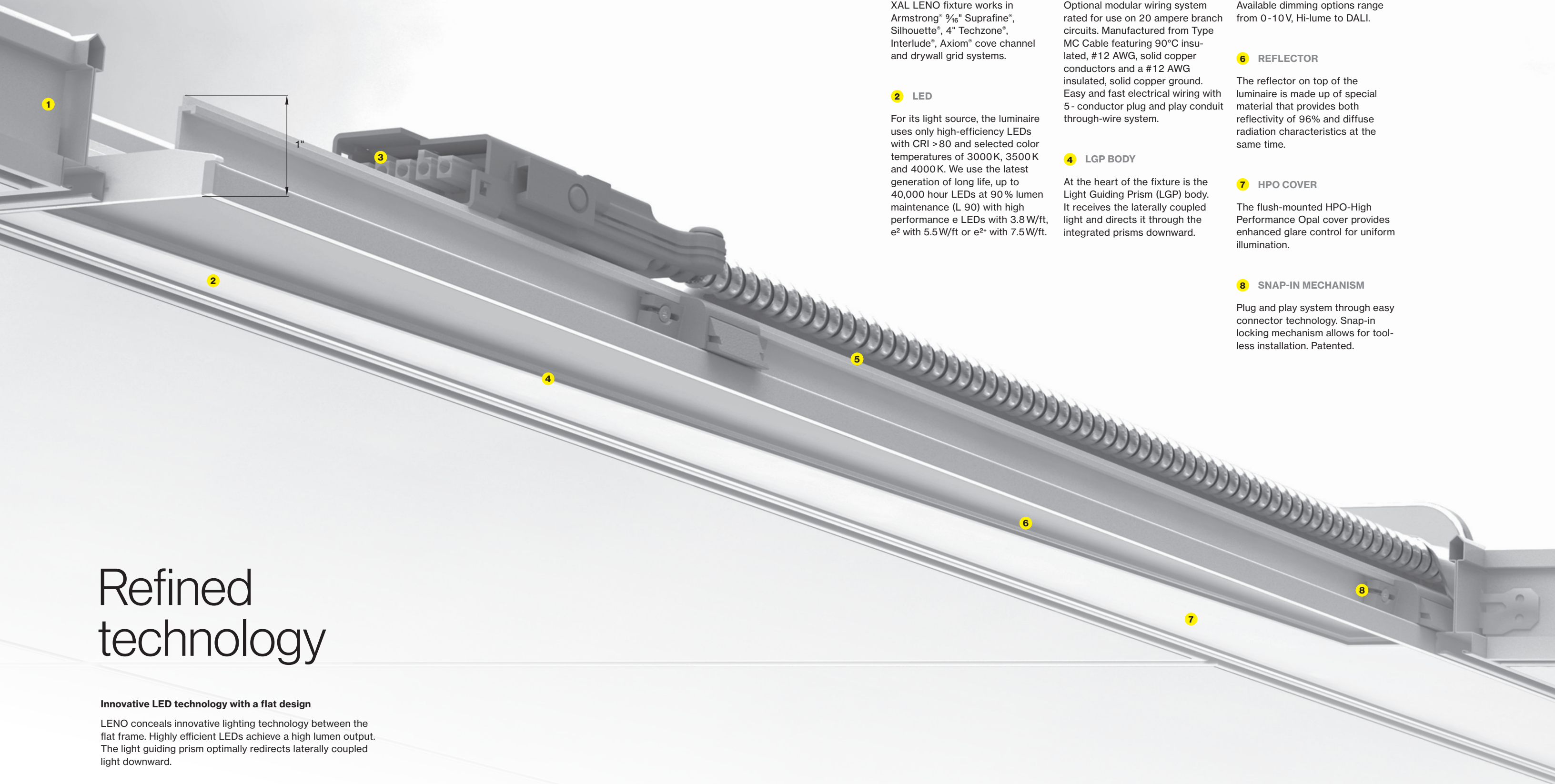


On-center lighting layouts

Eye-pleasing symmetry

Creating on-center continuous and non-continuous linear lighting layouts is no longer difficult. Armstrong® suspension systems combined with the XAL LENO make attractive symmetrical on-center lighting layouts easy.



**1 ARMSTRONG® SLOT GRID**

XAL LENO fixture works in Armstrong® $\frac{1}{16}$ " Suprafine®, Silhouette®, 4" Techzone®, Interlude®, Axiom® cove channel and drywall grid systems.

2 LED

For its light source, the luminaire uses only high-efficiency LEDs with CRI >80 and selected color temperatures of 3000K, 3500K and 4000K. We use the latest generation of long life, up to 40,000 hour LEDs at 90% lumen maintenance (L 90) with high performance e LEDs with 3.8W/ft, e² with 5.5W/ft or e²⁺ with 7.5W/ft.

3 MODULAR WIRING SYSTEM

Optional modular wiring system rated for use on 20 ampere branch circuits. Manufactured from Type MC Cable featuring 90°C insulated, #12 AWG, solid copper conductors and a #12 AWG insulated, solid copper ground. Easy and fast electrical wiring with 5-conductor plug and play conduit through-wire system.

4 LGP BODY

At the heart of the fixture is the Light Guiding Prism (LGP) body. It receives the laterally coupled light and directs it through the integrated prisms downward.

5 INTEGRAL DRIVER

Available dimming options range from 0-10V, Hi-lume to DALI.

6 REFLECTOR

The reflector on top of the luminaire is made up of special material that provides both reflectivity of 96% and diffuse radiation characteristics at the same time.

7 HPO COVER

The flush-mounted HPO-High Performance Opal cover provides enhanced glare control for uniform illumination.

8 SNAP-IN MECHANISM

Plug and play system through easy connector technology. Snap-in locking mechanism allows for tool-less installation. Patented.

Refined technology

Innovative LED technology with a flat design

LENO conceals innovative lighting technology between the flat frame. Highly efficient LEDs achieve a high lumen output. The light guiding prism optimally redirects laterally coupled light downward.

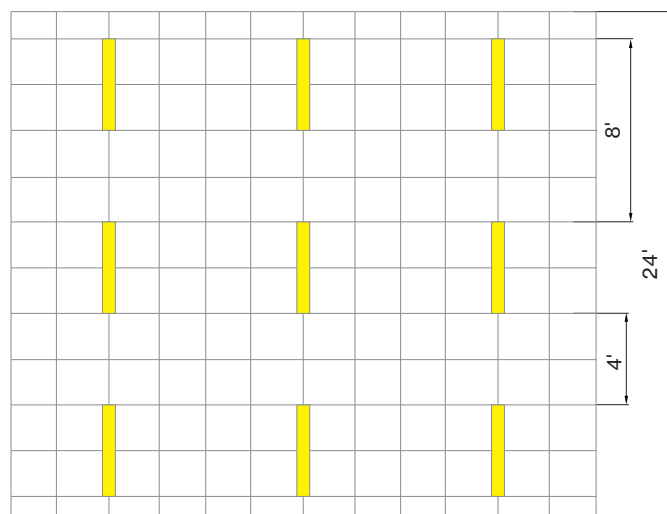
Zero plenum lights

Armstrong® ceiling system

Enjoy a perfectly finished ceiling design with continuous or non-continuous lighting, taller ceiling heights, and zero interference or re-work. You can seamlessly start and stop runs of light, perfectly place the runs over the work plane and design your space with just the right amount of light and never more.

EXAMPLE

Non-continuous layout



LENO 4' / 9 pieces (3000K)

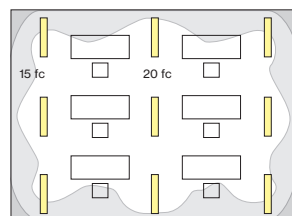
Room dimensions	L 24' x W 24' x H 9'
Reflection factors	p° 80 / p° 50 / p° 20
Lamp lumen depreciation	LDD 0.95
Above finished floor	AFF 30"

LENO 3.7 W/ft e LED fixture	450 lm/ft
Footcandle average illuminance	Eav 20 ftc
Total power consumption	135 W
	0.23 W/sqft

LENO 5.3 W/ft e ² LED fixture	650 lm/ft
Footcandle average illuminance	Eav 27 ftc
Total power consumption	189 W
	0.33 W/sqft

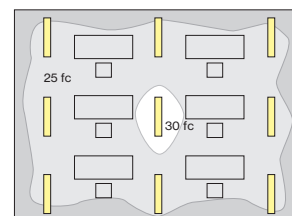
LENO 7.1 W/ft e ²⁺ LED fixture	850 lm/ft
Footcandle average illuminance	Eav 37 ftc
Total power consumption	252 W
	0.44 W/sqft

EAV 20 FTC



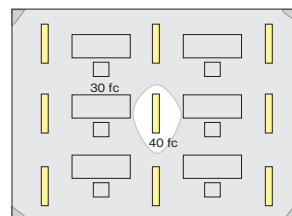
3.7 W/ft e 3000K

EAV 27 FTC



5.3 W/ft e² 3000K

EAV 37 FTC

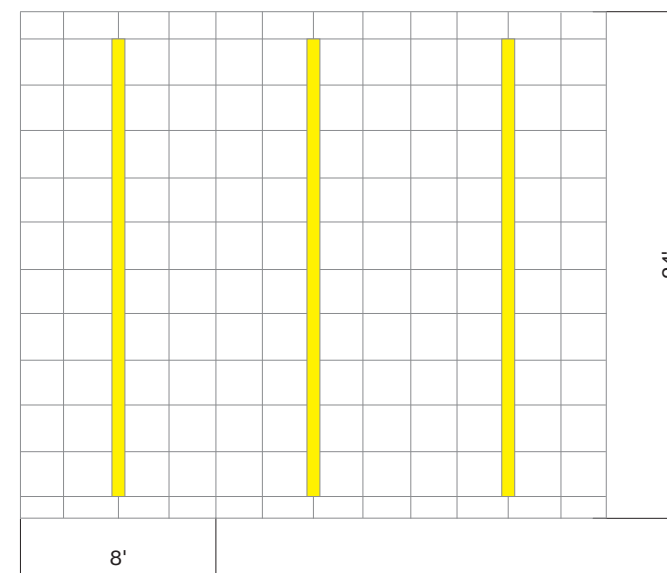


7.1 W/ft e²⁺ 3000K



EXAMPLE

Continuous layout



LENO 4' / 8' 9 pieces (3000K)

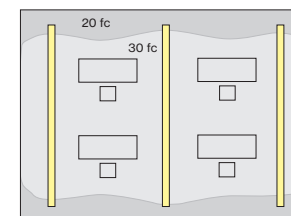
Room dimensions	L 24' x W 20' x H 9'
Reflection factors	p° 80 / p° 50 / p° 20
Lamp lumen depreciation	LDD 0.95
Above finished floor	AFF 30"

LENO 3.7 W/ft e fixture	450 lm/ft
Footcandle average illuminance	Eav 35 ftc
Total power consumption	225 W
	0.39 W/sqft

LENO 5.3 W/ft e ² fixture	650 lm/ft
Footcandle average illuminance	Eav 47 ftc
Total power consumption	315 W
	0.55 W/sqft

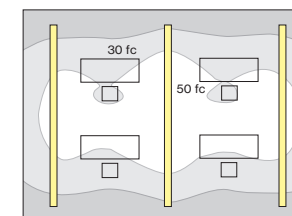
LENO 7.1 W/ft e ²⁺ LED fixture	850 lm/ft
Footcandle average illuminance	Eav 64 ftc
Total power consumption	328 W
	0.73 W/sqft

EAV 35 FTC



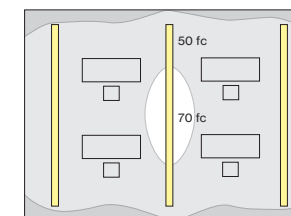
3.7 W/ft e 3000K

EAV 47 FTC



5.3 W/ft e² 3000K

EAV 64 FTC



7.1 W/ft e²⁺ 3000K

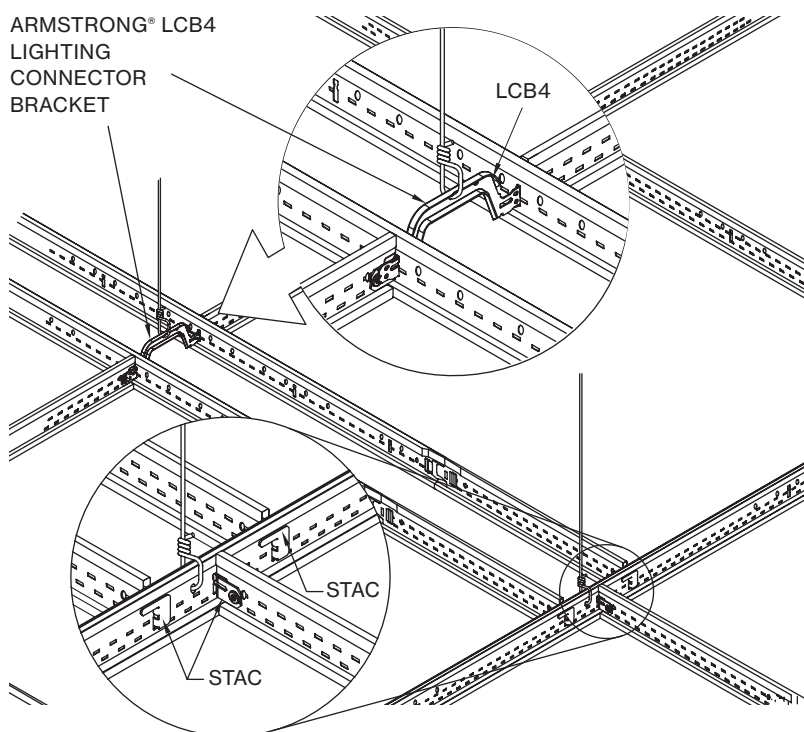


Perfect symmetry

Continuous and non-continuous linear lighting

Using a combination of Armstrong® FastSize™ factory-finished ceiling panels and suspension systems, you can easily specify and achieve perfect lighting layouts.

- Specify factory-finished Armstrong® beveled tegular ceiling panels, 9/16" suspension systems and XAL's LENO zero plenum LED light fixture
- Enjoy a perfectly finished ceiling design with continuous or non-continuous lighting, taller ceiling heights, and zero interference or re-work
- Seamlessly start and stop runs of light
- Perfectly placed runs of light over the work plane
- Precise distance between ceiling grids through Armstrong® lighting connector bracket

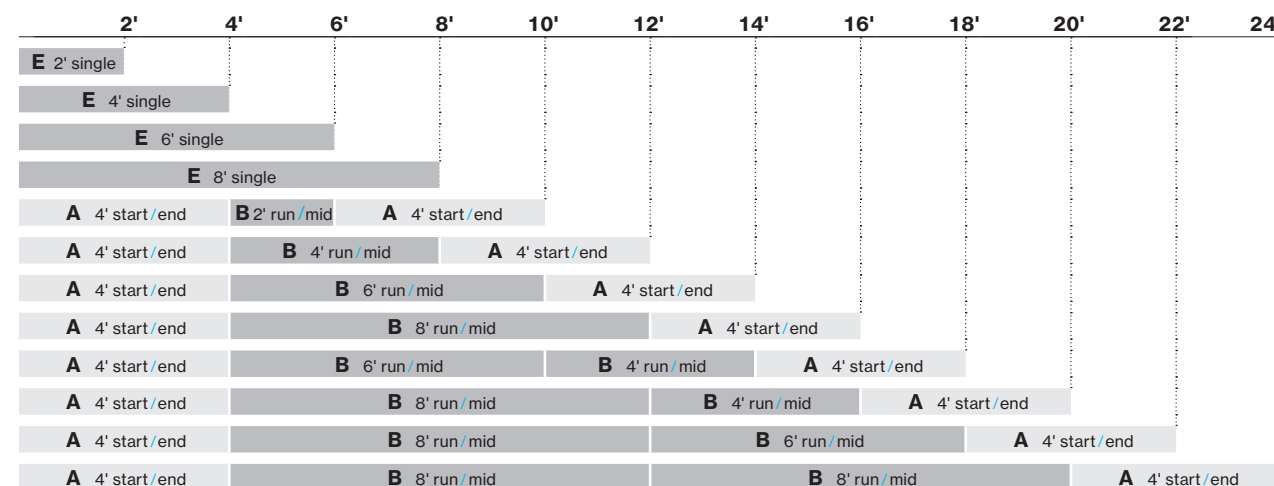


Run configurator

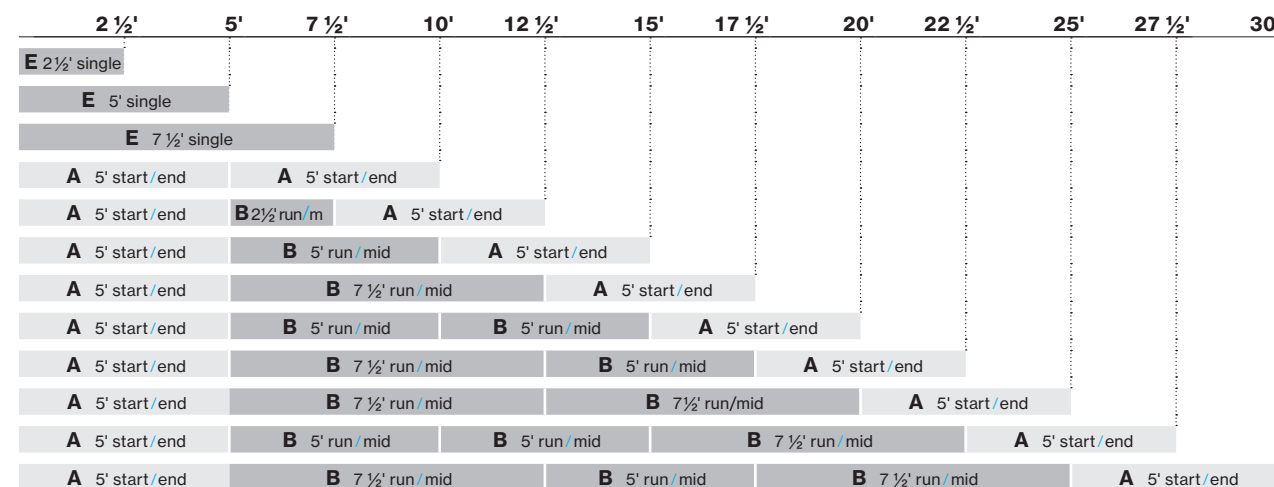
Continuous and non-continuous linear lighting

Create your ceiling layout to mirror the symmetry of your building design with an on-center linear lighting layout. Visit leno.xalusa.com for custom configuration

24" ceiling tiles



30" ceiling tiles



Armstrong® Corporate Office
USA

CEILING PANELS AND GRID
Armstrong®, USA

PRODUCT
LENO

Ultima® Beveled Tegular 24" × 24"
panels with Silhouette® ¼" reveal
⅜" suspension system



Ericpol Software
Lodz, Poland

ARCHITECT
HORIZONE Studio
Kraków, Poland

PRODUCT
LENO 4.0



Donau Insurance Group
Vienna, Austria

ARCHITECT
RAHU Architekten ZT KG
Vienna, Austria

PRODUCT
LENO 4.0



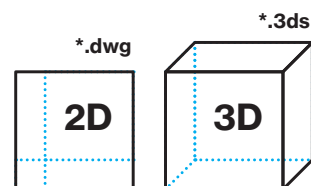
MORE XAL SERVICES

Print and online catalogs



Our online catalogs provide anytime access to our full product range, whether at your customers' offices or during project meetings. Order print catalogs at www.xalusa.com/en/catalog.

2D / 3D / photometric data



To make planning your lighting project even easier, we make 2D and 3D data for our products available for use with your CAD programs. Simply go to www.xalusa.com/en/services.

RELUX & DIALux



We offer photometric data in LDT and IES format for use in RELUX and DIALux lighting programs. Downloads are available at www.xalusa.com/en/services.

REVIT files



Complete 3D planning can be created quickly. The detailed data on the luminaires are offered free of charge and can be imported into plans with ease. The result includes magnificent image materials, 360° panoramas and videos.

Customer Service



XAL is there for you even after you place your order. We offer professional installation help and grid analysis measurement advice. Call our customer service team from Monday to Friday, 8:00 am to 5:00 pm EST at [+1.203.262.9990](tel:+12032629990) or e-mail us at service@xalusa.com.

Local production in the USA



Our new 48,000 sq ft manufacturing facility in Oxford, Connecticut is the new home base for engineering and production excellence. We combine competence in mechanical production and our ESD-compliant assembly line in order to guarantee high-quality light fittings.

Showrooms



Experience our luminaires up close. Let yourself be inspired, take advantage of our expert advisers expertise and find the right solution that meets all of your needs. Visit our showroom in New York, Connecticut, Amsterdam, Paris, Berlin, Zurich, London, Graz or one of our numerous partners worldwide.

Events



Profit from an international exchange of ideas. We regularly invite architects, lighting designers and customers to our headquarters in NYC. At these high-caliber gatherings, we offer deep insights into our understanding of light and technology alongside a stimulating side program. You haven't experienced XAL like this yet.

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