



XAL

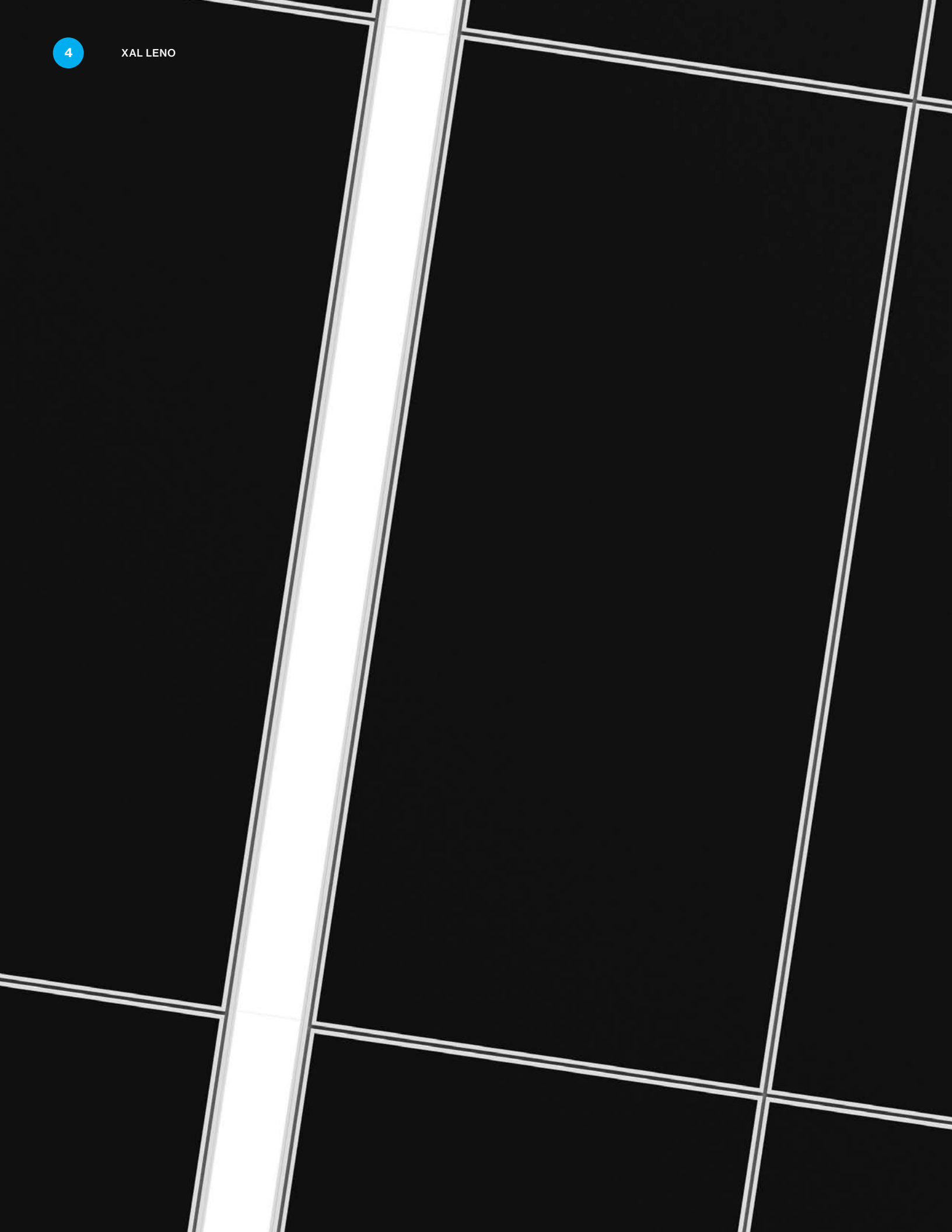
LENO

Flat profile luminaire



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Linear lighting integration

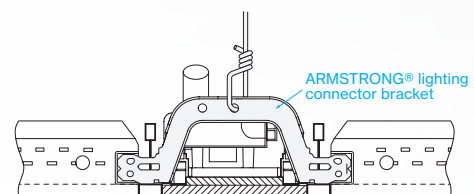
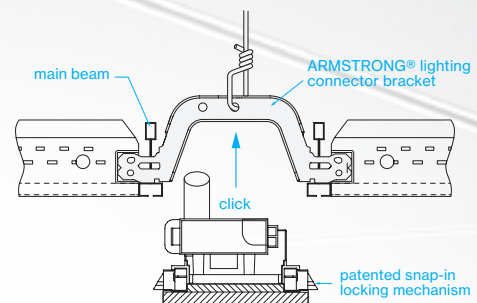
XAL and Armstrong® zero plenum lights are making it easier than ever for you to create inspiring ceiling designs with higher ceiling heights, zero plenum interference and on-center continuous or non-continuous layouts, direct light cove and drywall ceiling layouts that provide clean, modern aesthetics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

Our integrated system design allows the new 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 $\frac{9}{16}$ " suspension systems.

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® $\frac{9}{16}$ " ceiling systems are installed, LENO snaps right in.



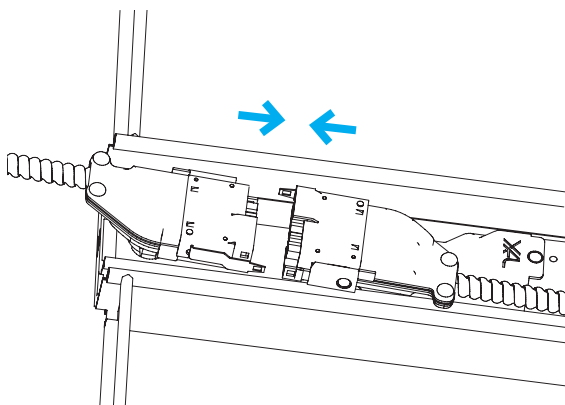


Quick and easy mounting

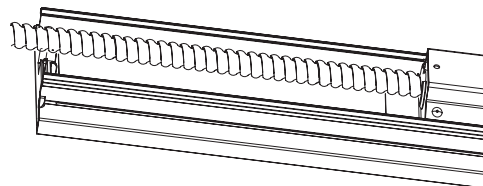
No tool mounting

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

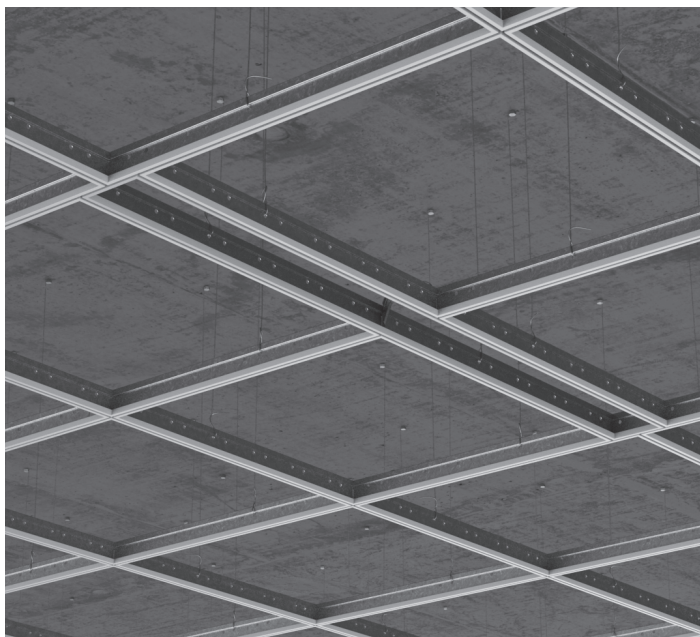


WHIP - INDIVIDUAL SECTION



Easy assembly in four steps

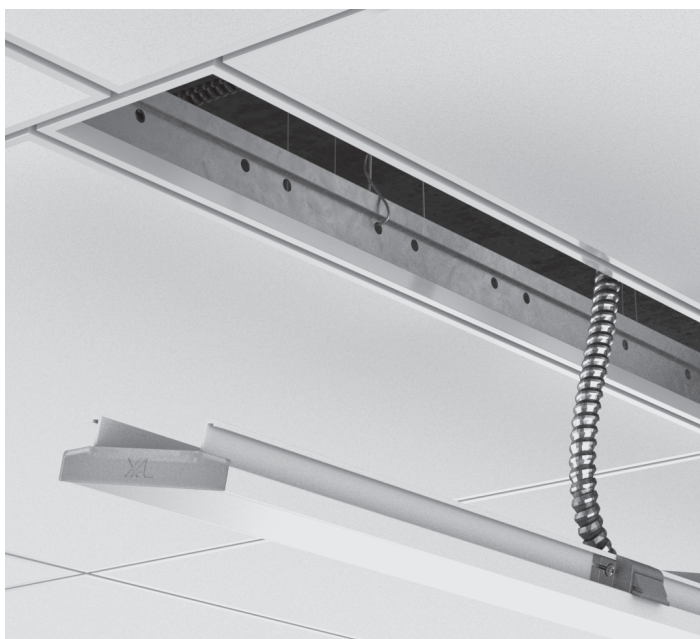
STEP 1



STEP 2



STEP 3

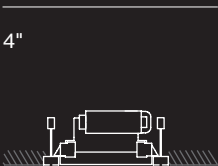


STEP 4



LENO

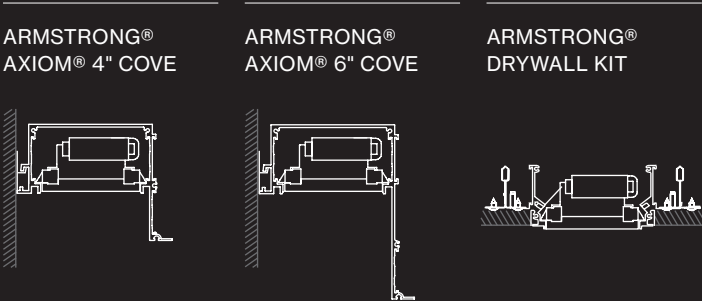
SIZE



GRID



KITS



	ARMSTRONG® Silhouette® ¼" Reveal	ARMSTRONG® Silhouette® ⅙" Reveal	ARMSTRONG® ⅞/16" Suprafine®	ARMSTRONG® Interlude®	ARMSTRONG® Techzone®	ARMSTRONG® Axiom Direct Light Cove®	ARMSTRONG® Drywall Kit
TYPE							
LENO 4" 24"	•	•	•	•	•	Combined	Combined
LENO 4" 30"	•	•	•	•	•	Combined	Combined



Drywall kit

Seamless integration in drywalls

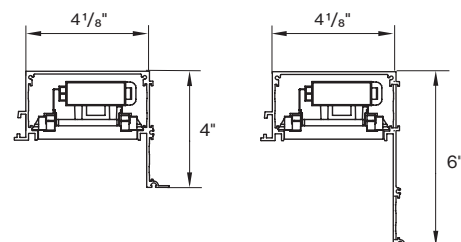
The linear light drywall kit is integrated seamlessly between drywall ceilings and the LENO luminaire. Depending on the desired area of application, Armstrong® drywall kits are available in different lengths and heights. This system allows a quick and easy flush mounting in drywall ceilings and a tool-free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

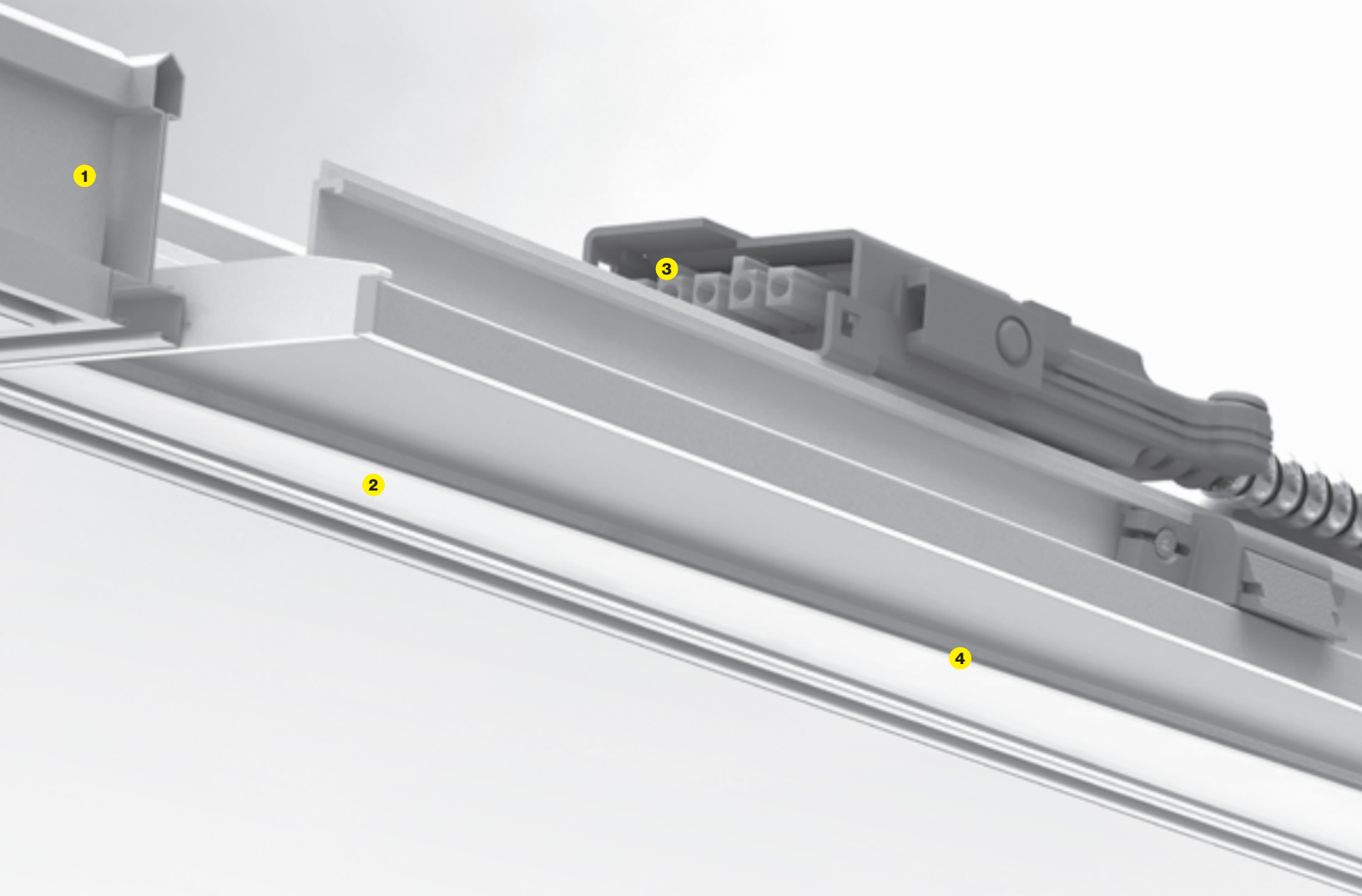


Direct light cove channel

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.





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.

1 ARMSTRONG® SLOT GRID

XAL LENO fixture works in Armstrong® ½" 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 50,000 hour LEDs at 90% lumen maintenance (L 90) with high performance e LEDs with 3.7W/ft, e² with 5.3W/ft or e² with 7.1W/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

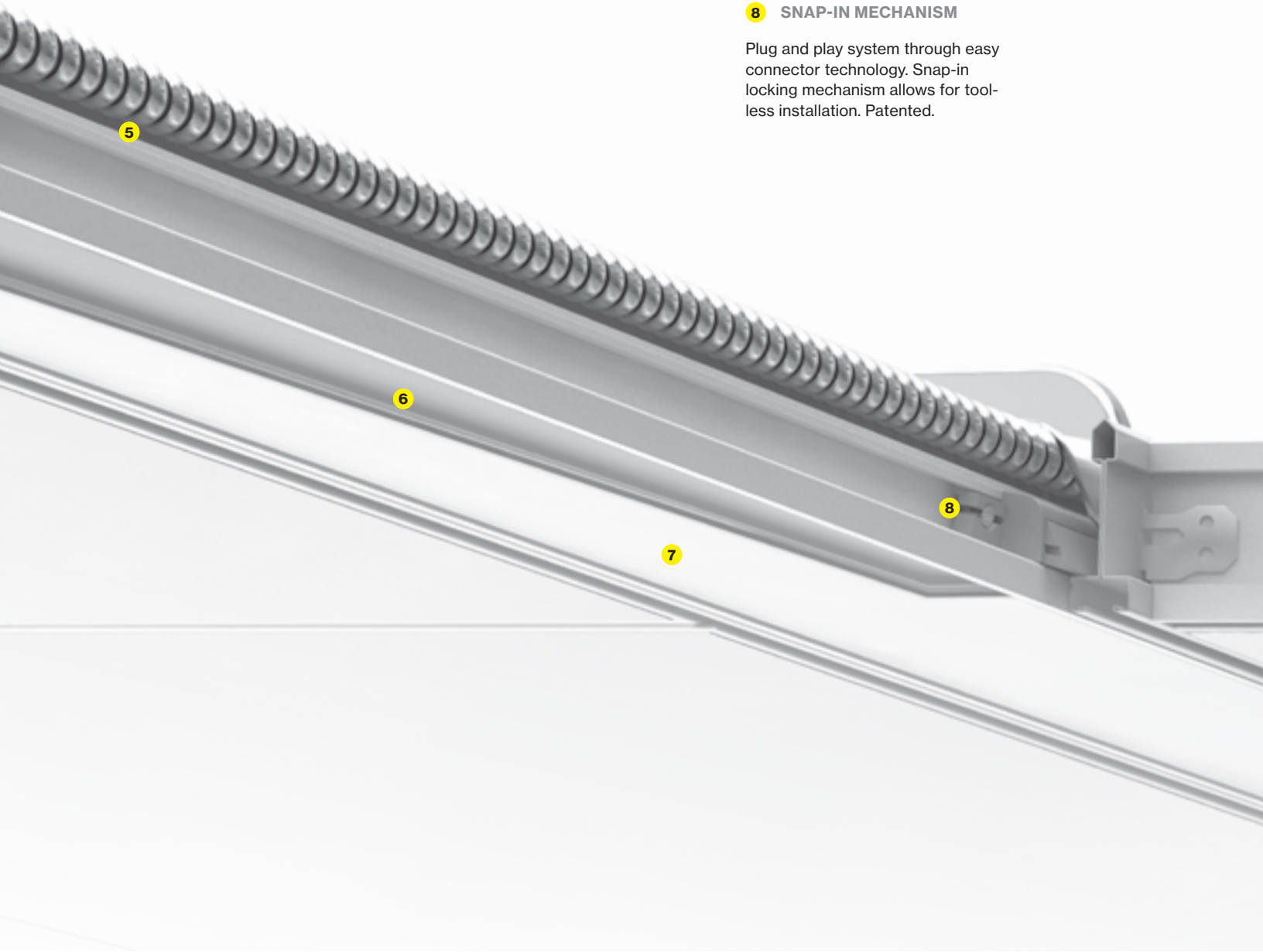
The reflector on top of the luminaire is made up of special material that provides both reflectivity of 96% and diffuse radiation characteristics at the same time.

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.



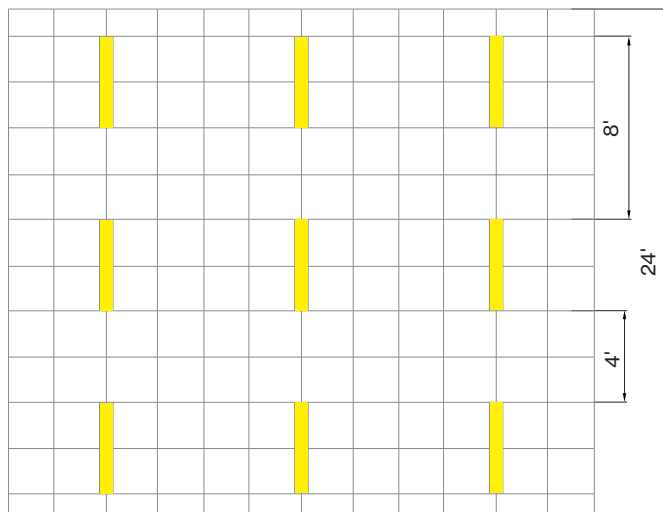
Zero plenum lights

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)

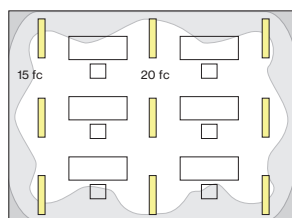
Room dimensions	L 24' × W 24' × H 9'
Reflection factors	p ^c 80 / p ^w 50 / p ^f 20
Lamp lumen depreciation	LDD 0.95
Above finished floor	AFF 30"

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

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

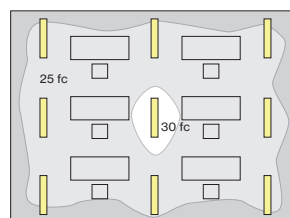
LENO 7.1 W/ft e ²⁺ LED fixture	850lm/ft
Footcandle average illuminance	Eav 37 ftc
Total power consumption 252 W	0.44W/sqft

Eav 20 ftc



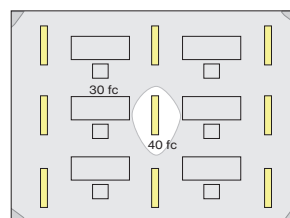
3.7W/ft e 3000K

Eav 27 ftc



5.3W/ft e² 3000K

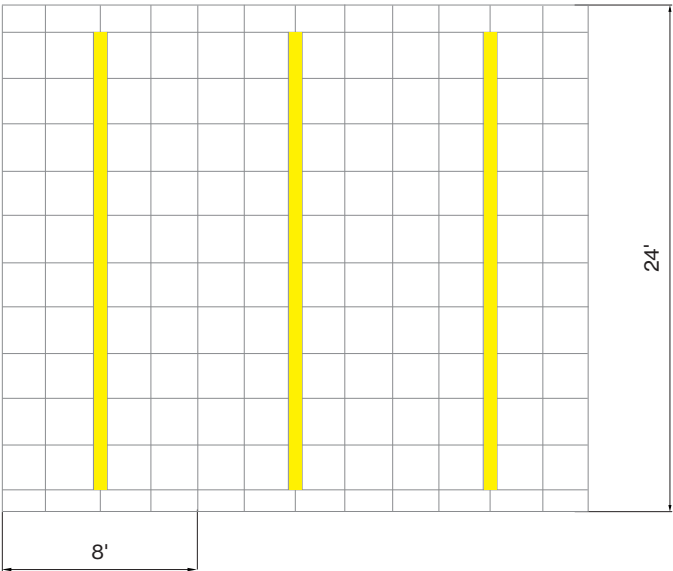
Eav 37 ftc



7.1 W/ft e²⁺ 3000K

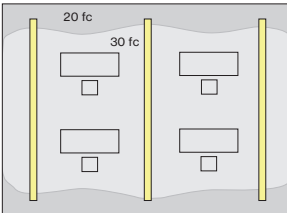


Example
Continuous layout



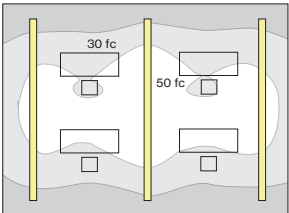
LENO 4' / 8' 9 pieces (3000K)	
Room dimensions	L 24' × W 20' × H 9'
Reflection factors	p ^c 80 / p ^w 50 / p ^f 20
Lamp lumen depreciation	LDD 0.95
Above finished floor	AFF 30"
LENO 3.7W/ft e fixture	
Footcandle average illuminance	Eav 35 ftc
Total power consumption	225W
LENO 5.3W/ft e² fixture	
Footcandle average illuminance	Eav 47 ftc
Total power consumption	315W
LENO 7.1 W/ft e²⁺ LED fixture	
Footcandle average illuminance	Eav 64 ftc
Total power consumption	328W

Eav 35 ftc



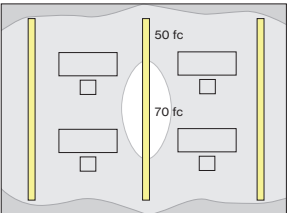
3.7W/ft e 3000K

Eav 47 ftc



5.3W/ft e² 3000K

Eav 64 ftc



7.1 W/ft e²⁺ 3000K

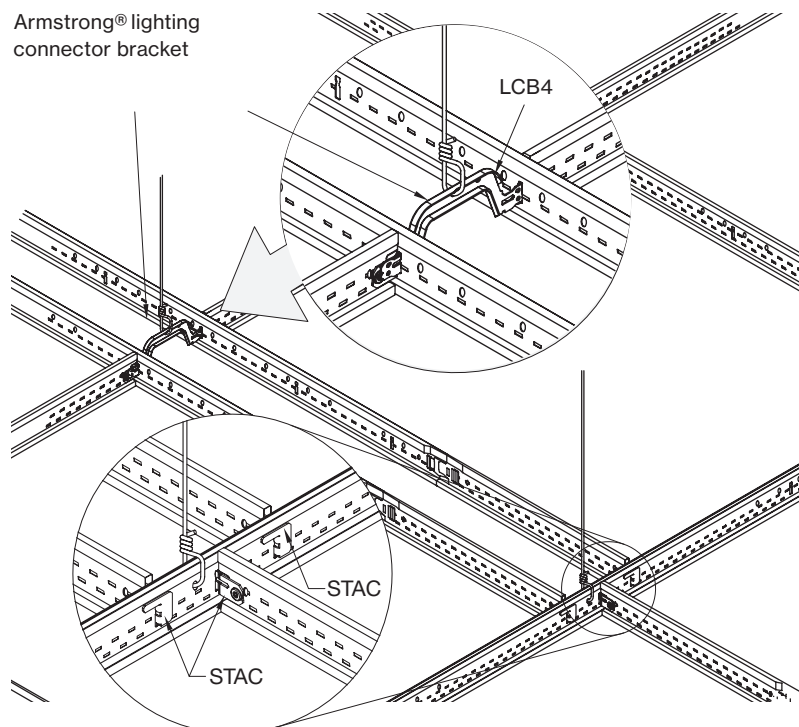


Perfect symmetry

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, $\frac{9}{16}$ " 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

	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'
E 2' single												
E 4' single												
E 6' single												
E 8' single												
A 4' start/end		B 2' run/mid		A 4' start/end								
A 4' start/end		B 4' run/mid		A 4' start/end								
A 4' start/end		B 6' run/mid		A 4' start/end								
A 4' start/end		B 8' run/mid		A 4' start/end								
A 4' start/end		B 6' run/mid		B 4' run/mid		A 4' start/end						
A 4' start/end		B 8' run/mid		B 4' run/mid		A 4' start/end						
A 4' start/end		B 8' run/mid		B 6' run/mid		A 4' start/end						
A 4' start/end		B 8' run/mid		B 8' run/mid		A 4' start/end						

30" ceiling tiles

	2 ½'	5'	7 ½'	10'	12 ½'	15'	17 ½'	20'	22 ½'	25'	27 ½'	30'
E 2 ½' single												
E 5' single												
E 7 ½' single												
A 5' start/end		A 5' start/end										
A 5' start/end		B 2 ½' run/m		A 5' start/end								
A 5' start/end		B 5' run/mid		A 5' start/end								
A 5' start/end		B 7 ½' run/mid		A 5' start/end								
A 5' start/end		B 5' run/mid		B 5' run/mid		A 5' start/end						
A 5' start/end		B 7 ½' run/mid		B 5' run/mid		A 5' start/end						
A 5' start/end		B 7 ½' run/mid		B 7 ½' run/mid		A 5' start/end						
A 5' start/end		B 5' run/mid		B 5' run/mid		B 7 ½' run/mid		A 5' start/end				
A 5' start/end		B 7 ½' run/mid		B 5' run/mid		B 7 ½' run/mid		A 5' start/end				

Armstrong® Corporate Office
USA

PRODUCT
LENO

CEILING PANELS AND GRID
Armstrong®, USA

Ultima® Beveled Tegalur 24" × 24"
panels with Silhouette® ¼" reveal
9/16" suspension system





Armstrong® Corporate Office
USA

CEILING PANELS AND GRID
Armstrong®, USA

PRODUCT
LENO







Get the System

Product details

26 LENO 4" 24"

28 LENO 4" 30"

LENO 4" 24"

Quickinfo

GENERAL

Profile	
Powder coated white	
Passive cooling	

LED

Up to 124lm/W	
3000K, 3500K, 4000K	
CRI > 80	

ESTIMATED LED LIFECYCLE

e L90	50,000h
e ² L80	100,000h
e ²⁺ L70	100,000h

OPTICAL

HPO-high performance opal cover	
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ELECTRICAL

120 / 277V universal	
0-10V, Hi-Lume, DALI dimming	
347V (0-10V dimming only)	

Features

3 3/8" wide extruded aluminum profile, powder coated white. Easy snap in installation, fast plug and play modular electrical wiring system

Thin design for zero plenum applications with minimum clearance above the ceiling. Used with Armstrong® 1/16" Suprafine®, Silhouette®, Interlude, Axiom® Perimeter, 4" TechZone®, Axiom® Direct Light Cove and Drywall kit

HPO-High Performance Opal flush mounted cover for uniform illumination and a total optical system efficiency of η = 80 %

High efficiency LEDs with a total fixture light output of up to 124lm/W and up to 90 % lumen maintenance (L90) long life 50,000 hour

Color temperature consistency to a 3-step MacAdam ellipse in 3000K, 3500K or 4000K 120 / 277V standard input voltage with various dim options

IC rated, dry and damp rated



Order Options

A RANGE

LENO 4"	LENO
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B INSTALLATION

CS single fixture (2 ft to 8 ft)	1
continuous run fixture (10 ft and longer)	C

C TRIM

1/16" flat T-grid or 1/16" bolt slot T-grid	K
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D LAMP

LED white	7
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E OUTPUT

e LED 3.7W/ft	1
High efficiency, 450lm/ft	
CS e ² LED 5.3W/ft	2
Medium output, 650lm/ft	
e ²⁺ LED 7.1W/ft	3
High output, 850lm/ft	

F WIRING

CS whip 4'	1
through-wire 4-pole + grd	2
(not available for 2 ft single fixture)	

G VOLTAGE

CS 120 / 277V UNV	7
347V (only 0-10V dimming)	9

H DIMMING

CS DIM 0-10V 1%	2
DIM DALI	3
Hi-lume 1%, 3-wire hot dim	H
Hi-lume 1%, digital dim	D

I COLOR TEMPERATURE

3000K / CRI > 80	5
CS 3500K / CRI > 80	7
4000K / CRI > 80	6

J EMERGENCY

CS no emergency	0
quantity of 1000lm / 90 min. #	
emergency battery pack	
Emergency battery pack only for 120 / 277V, 4ft. For emergency battery pack options consult factory	

K SHIELDING

HP opal	H
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L COLOR




white	7
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M DIMENSION

2' single fixture	0 0 2 0
CS 4' single fixture	0 0 4 0
6' single fixture	0 0 6 0
CS 8' single fixture	0 0 8 0
10' continuous run	0 1 0 0
12' continuous run	0 1 2 0
14' continuous run	0 1 4 0
16' continuous run	0 1 6 0
18' continuous run	0 1 8 0
20' continuous run	0 2 0 0
24' continuous run	0 2 4 0

Go to leno.xalusa.com

Technical data

	SIZE TYPE	LED COLOR TEMPERATURE	INPUT WATTS	DELIVERED LM TOTAL	LIGHT DISTRIBUTION	DELIVERED LM/FT	OPTICAL EFFICIENCY	LUMINAIRE EFFICACY
LENO 4" 24"								
	e LED	3000K, 3500K, 4000K	2' opal	8 W	900 lm	100% down	450 lm/ft	80 %
			4' opal	15 W	1800 lm			
			6' opal	22 W	2700 lm			
			8' opal	30 W	3600 lm			
	e² LED	3000K, 3500K, 4000K	2' opal	11 W	1300 lm	100% down	650 lm/ft	80 %
			4' opal	21 W	2600 lm			
			6' opal	32 W	3900 lm			
			8' opal	42 W	5200 lm			
	e²+ LED	3000K, 3500K, 4000K	2' opal	14 W	1700 lm	100% down	850 lm/ft	80 %
			4' opal	28 W	3400 lm			
			6' opal	43 W	5100 lm			
			8' opal	57 W	6800 lm			

Grid ceiling

XAL LENO is only approved for Armstrong® 1/16" Suprafine®, Silhouette®, Interlude®, Axiom® Perimeter, Axiom® Direct Light Cove, Drywall and TechZone® ceiling systems. Armstrong zero plenum lighting connector brackets, item LCB4, must be installed at every XAL LENO light fixture location. The LCB4 bracket is installed 2' from the end of the LENO fixture and 4' on-center thereafter.

No independent suspension is required
Approved for seismic D, E, F installations

Modular through wire system

The electrical wiring system saves 30–50% of total wiring installation costs and significantly reduces installation time over hard-wired methods

Accessories

POWER FEEDER

4 ft	120 / 277 V	AFC flex4 (4 × AWG 12 wire with ground and pin)	N 2 4 3 P 0 7 0 4 0
4 ft	347 V	EZ-Wire (4 × AWG 12 wire with ground and pin)	N 2 4 3 P 0 9 0 4 0

CONNECTOR CABLE

4 ft	120 / 277 V	AFC flex4 (4 × AWG 12 wire with ground, pin and sleeve)	N 2 4 3 C 0 7 0 4 0
8 ft	120 / 277 V	EZ-Wire (4 × AWG 12 wire with ground, pin and sleeve)	N 2 4 3 C 0 7 0 8 0
4 ft	347 V	AFC flex4 (4 × AWG 12 wire with ground, pin and sleeve)	N 2 4 3 C 0 9 0 4 0
8 ft	347 V	EZ-Wire (4 × AWG 12 wire with ground, pin and sleeve)	N 2 4 3 C 0 9 0 8 0

WHITE AXIOM BLANK COVER

4' long blank cover (for Armstrong Axiom Cove system)	N 2 4 3 0 B 7 0 4 0
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contact your Armstrong rep for Axiom channels, endcaps and clips

LENO RELEASE TOOL

LENO Releasing Tool for Armstrong grid ceilings	N 2 4 3 R 0 0 7 0 0
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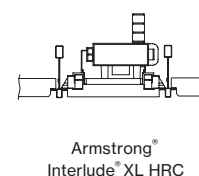
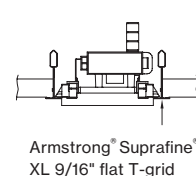
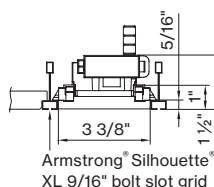
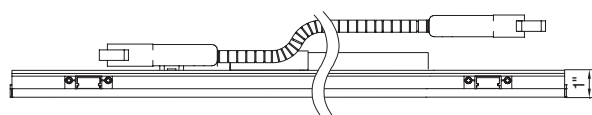
HURRICANE BRACKET

For ceiling requiring two separate mounting points	N 2 4 3 H 0 0 0 0 0
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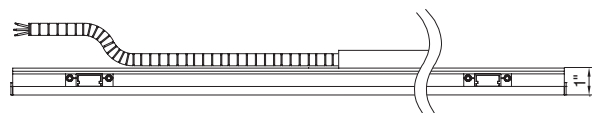
ARMSTRONG CONNECTOR BRACKET

Armstrong zero plenum lighting connector bracket, item LCB4 (by others)	visit armstrong.com
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THROUGH WIRE SYSTEM FIXTURE



WHIP FIXTURE



LENO 4" 30"

Quickinfo

GENERAL

Profile	
Powder coated white	
Passive cooling	

LED

Up to 124lm/W	
3000K, 3500K, 4000K	
CRI > 80	

ESTIMATED LED LIFECYCLE

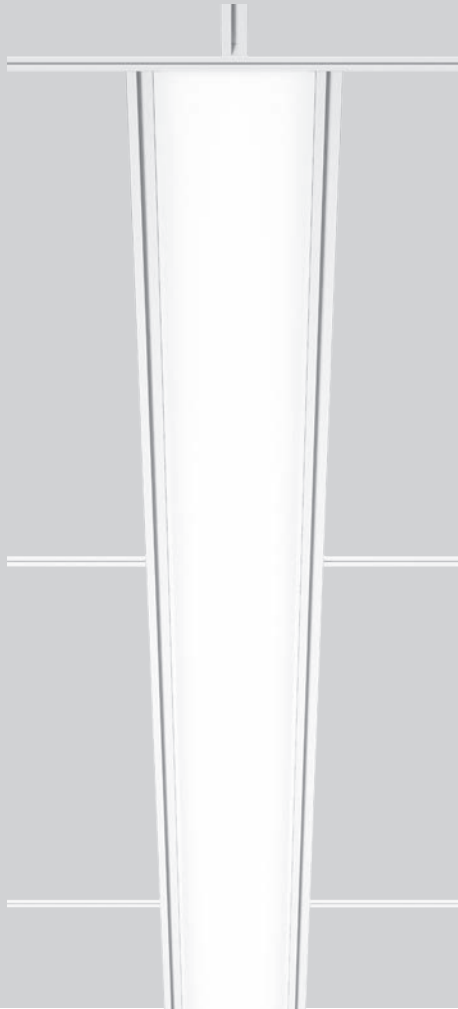
e L90	50,000h
e ² L80	100,000h
e ²⁺ L70	100,000h

OPTICAL

HPO-high performance opal cover	
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ELECTRICAL

120 / 277V universal	
0-10V, Hi-Lume, DALI dimming	
347V (0-10V dimming only)	



Features

3 3/8" wide extruded aluminum profile, powder coated white. Easy snap in installation, fast plug and play modular electrical wiring system

Thin design for zero plenum applications with minimum clearance above the ceiling. Used with Armstrong® 1/16" Suprafine®, Silhouette®, Interlude, Axiom® Perimeter, 4" TechZone®, Axiom® Direct Light Cove and Drywall kit

HPO-High Performance Opal flush mounted cover for uniform illumination and a total optical system efficiency of η = 80 %

High efficiency LEDs with a total fixture light output of up to 124lm/W and up to 90 % lumen maintenance (L90) long life 50,000 hour

Color temperature consistency to a 3-step MacAdam ellipse in 3000K, 3500K or 4000K 120 / 277V standard input voltage with various dim options

IC rated, dry and damp rated



Order Options

A RANGE

LENO 4"	LENO
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B INSTALLATION

single fixture (2 1/2 ft to 7 1/2 ft)	1
continuous run fixture (10 ft and longer)	C

C TRIM

1/16" flat T-grid or 1/16" bolt slot T-grid	K
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D LAMP

LED white	7
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E OUTPUT

e LED 3.7W/ft	1
High efficiency, 450lm/ft	
e ² LED 5.3W/ft	2
Medium output, 650lm/ft	
e ²⁺ LED 7.1W/ft	3
High output, 850lm/ft	

F WIRING

whip 4'	1
through-wire 4-pole + grd	2
(not available for 2 1/2 ft single fixture)	

G VOLTAGE

120 / 277V UNV	7
347V (only 0-10V dimming)	9

H DIMMING

DIM 0-10V 1%	2
DIM DALI	3
Hi-lume 1%, 3-wire hot dim	H
Hi-lume 1%, digital dim	D

I COLOR TEMPERATURE

3000K / CRI > 80	5
3500K / CRI > 80	7
4000K / CRI > 80	6

J EMERGENCY

no emergency	0
quantity of 1000lm / 90 min. #	
emergency battery pack	
Emergency battery pack only for 120 / 277V, 5ft. For emergency battery pack options consult factory	

K SHIELDING

HP opal	H
---------	---

L COLOR




white	7
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M DIMENSION

2 1/2' single fixture	0 0 2 5
5' single fixture	0 0 5 0
7 1/2' single fixture	0 0 7 5
10' continuous run	0 1 0 0
12 1/2' continuous run	0 1 2 5
15' continuous run	0 1 5 0
17 1/2' continuous run	0 1 7 5
20' continuous run	0 2 0 0
22 1/2' continuous run	0 2 2 5
25' continuous run	0 2 5 0
27 1/2' continuous run	0 2 7 5
30' continuous run	0 3 0 0

Go to leno.xalusa.com

Technical data

	SIZE TYPE	LED COLOR TEMPERATURE	INPUT WATTS	DELIVERED LM TOTAL	LIGHT DISTRIBUTION	DELIVERED LM/FT	OPTICAL EFFICIENCY	LUMINAIRE EFFICACY	
LENO 4" 30"									
	e LED	2 ½' opal	3000K, 3500K, 4000K	9W	1125lm	100% down	450lm/ft	80 %	124lm/W
		5' opal		19W	2250 lm				
		7 ½' opal		28 W	3375 lm				
	e² LED	2 ½' opal	3000K, 3500K, 4000K	13W	1625lm	100% down	650lm/ft	80 %	123lm/W
		5' opal		27W	3250 lm				
		7 ½' opal		40 W	4875 lm				
	e²⁺ LED	2 ½' opal	3000K, 3500K, 4000K	18W	2125lm	100% down	850lm/ft	80 %	120lm/W
		5' opal		36W	4250 lm				
		7 ½' opal		53W	6375 lm				

Grid ceiling

XAL LENO is only approved for Armstrong® ½" Suprafine®, Silhouette®, Interlude®, Axiom® Perimeter, Axiom® Direct Light Cove, Drywall and TechZone® ceiling systems. Armstrong zero plenum lighting connector brackets, item LCB4, must be installed at every XAL LENO light fixture location. The LCB4 bracket is installed 2 ½' from the end of the LENO fixture and 5' on-center thereafter.

No independent suspension is required
Approved for seismic D, E, F installations

Accessories

POWER FEEDER

5 ft	120 / 277 V	AFC flex4 (4 × AWG 12 wire with ground and pin)	N 2 4 3 P 0 7 0 5 0
5 ft	347 V	EZ-Wire (4 × AWG 12 wire with ground and pin)	N 2 4 3 P 0 9 0 5 0

CONNECTOR CABLE

5 ft	120 / 277 V	AFC flex4 (4 × AWG 12 wire with ground, pin and sleeve)	N 2 4 3 C 0 7 0 5 0
10 ft	120 / 277 V	EZ-Wire (4 × AWG 12 wire with ground, pin and sleeve)	N 2 4 3 C 0 7 1 0 0
5 ft	347 V	AFC flex4 (4 × AWG 12 wire with ground, pin and sleeve)	N 2 4 3 C 0 9 0 5 0
10 ft	347 V	EZ-Wire (4 × AWG 12 wire with ground, pin and sleeve)	N 2 4 3 C 0 9 1 0 0

WHITE AXIOM BLANK COVER

4' long blank cover (for Armstrong Axiom Cove system)	N 2 4 3 0 B 7 0 4 0
contact your Armstrong rep for Axiom channels, endcaps and clips	

Modular through wire system

The electrical wiring system saves 30–50% of total wiring installation costs and significantly reduces installation time over hard-wired methods

LENO RELEASE TOOL

LENO Releasing Tool for Armstrong grid ceilings	N 2 4 3 R 0 0 7 0 0
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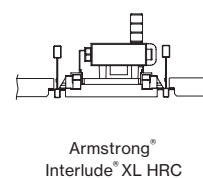
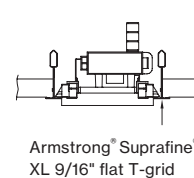
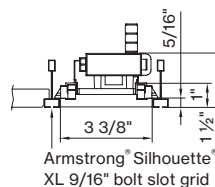
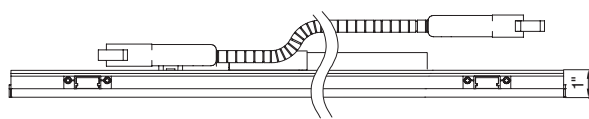
HURRICANE BRACKET

For ceiling requiring two separate mounting points	N 2 4 3 H 0 0 0 0 0
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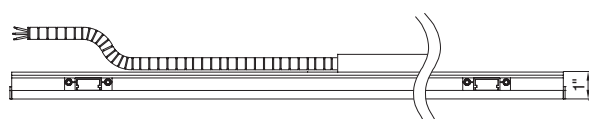
ARMSTRONG CONNECTOR BRACKET

Armstrong zero plenum lighting connector bracket, item LCB4 (by others)	visit armstrong.com
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THROUGH WIRE SYSTEM FIXTURE



WHIP FIXTURE



LENO 4" 24"



SIZE TYPE	LED COLOR TEMPERATURE	INPUT WATTS	DELIVERED LM TOTAL	LIGHT DISTRIBUTION	DELIVERED LM/FT	OPTICAL EFFICIENCY	LUMINAIRE EFFICACY
2' opal	3000 K, 3500 K, 4000 K	8 W	900 lm	100 % down	450 lm/ft	80 %	124 lm/W
4' opal		15 W	1800 lm				
6' opal		22 W	2700 lm				
8' opal		30 W	3600 lm				

4'
opal
e LED 3.7 W/ft

POLAR CANDELA DISTRIBUTION		ZONAL LUMEN SUMMARY				CANDELA DISTRIBUTION					
	690	Zone	Lumens	% Lamp	% Lumin.		0	25	45	65	90
	518	0-30	530.4	21.6 %	27 %	0	688	688	688	688	688
	345	0-40	867.7	35.3 %	44.1 %	5	683	683	683	683	683
	173	0-60	1,533.4	62.4 %	78 %	15	657	657	657	657	657
	173	60-90	431.0	17.5 %	21.9 %	25	607	608	608	609	611
	345	70-100	190.2	7.7 %	9.7 %	35	539	539	539	540	539
	518	90-120	2.2	0.1 %	0.1 %	45	453	453	453	454	451
	690	0-90	1,964.4	80 %	99.9 %	55	354	354	354	354	352
		90-180	2.2	0.1 %	0.1 %	65	247	246	245	245	243
		0-180	1,966.6	80.1 %	100 %	75	139	138	136	133	131
						85	40	40	38	36	35
						95	1	1	1	1	1
						105	0	0	0	0	0



SIZE TYPE	LED COLOR TEMPERATURE	INPUT WATTS	DELIVERED LM TOTAL	LIGHT DISTRIBUTION	DELIVERED LM/FT	OPTICAL EFFICIENCY	LUMINAIRE EFFICACY
2' opal	3000 K, 3500 K, 4000 K	11 W	1300 lm	100 % down	650 lm/ft	80 %	123 lm/W
4' opal		21 W	2600 lm				
6' opal		32 W	3900 lm				
8' opal		42 W	5200 lm				

4'
opal
e² LED 5.3 W/ft

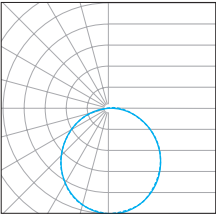
POLAR CANDELA DISTRIBUTION		ZONAL LUMEN SUMMARY				CANDELA DISTRIBUTION					
	1000	Zone	Lumens	% Lamp	% Lumin.		0	25	45	65	90
	750	0-30	770.2	21.6 %	27 %	0	998	998	998	998	998
	500	0-40	1,260.0	35.3 %	44.1 %	5	992	992	992	992	993
	250	0-60	2,226.8	62.4 %	78 %	15	954	953	954	955	955
	250	60-90	625.8	17.5 %	21.9 %	25	882	883	884	884	888
	500	70-100	276.1	7.7 %	9.7 %	35	782	782	783	784	782
	750	90-120	3.1	0.1 %	0.1 %	45	658	657	658	659	655
	1000	0-90	2,852.6	80 %	99.9 %	55	514	513	514	514	511
		90-180	3.1	0.1 %	0.1 %	65	358	358	356	356	353
		0-180	2,855.7	80.1 %	100 %	75	202	200	198	193	190
						85	59	58	56	52	51
						95	1	1	1	1	1
						105	0	0	0	0	0



SIZE TYPE	LED COLOR TEMPERATURE	INPUT WATTS	DELIVERED LM TOTAL	LIGHT DISTRIBUTION	DELIVERED LM/FT	OPTICAL EFFICIENCY	LUMINAIRE EFFICACY
2' opal	3000 K, 3500 K, 4000 K	14 W	1700 lm	100% down	850 lm/ft	80 %	120 lm/W
4' opal		28 W	3400 lm				
6' opal		43 W	5100 lm				
8' opal		57 W	6800 lm				

4'
opal
e2+ LED 7.1 W/ft

POLAR CANDELA DISTRIBUTION



1300
975
650
325
325
650
975
1300

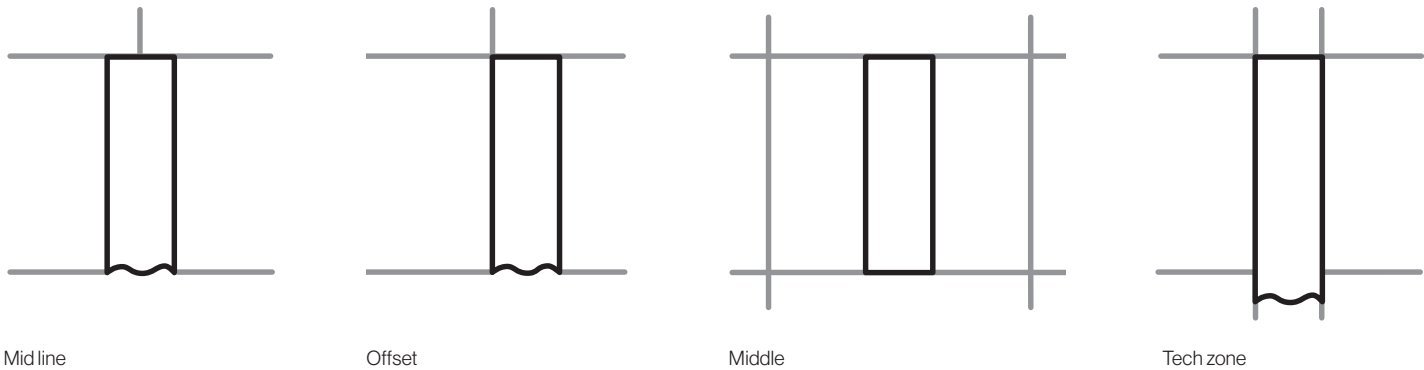
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Lumin.
0-30	993.9	21.6 %	27 %
0-40	1,625.9	35.3 %	44.1 %
0-60	2,873.5	62.4 %	78 %
60-90	807.6	17.5 %	21.9 %
70-100	356.3	7.7 %	9.7 %
90-120	4.0	0.1 %	0.1 %
0-90	3,681.1	80 %	99.9 %
90-180	4.0	0.1 %	0.1 %
0-180	3,685.1	80.1 %	100 %

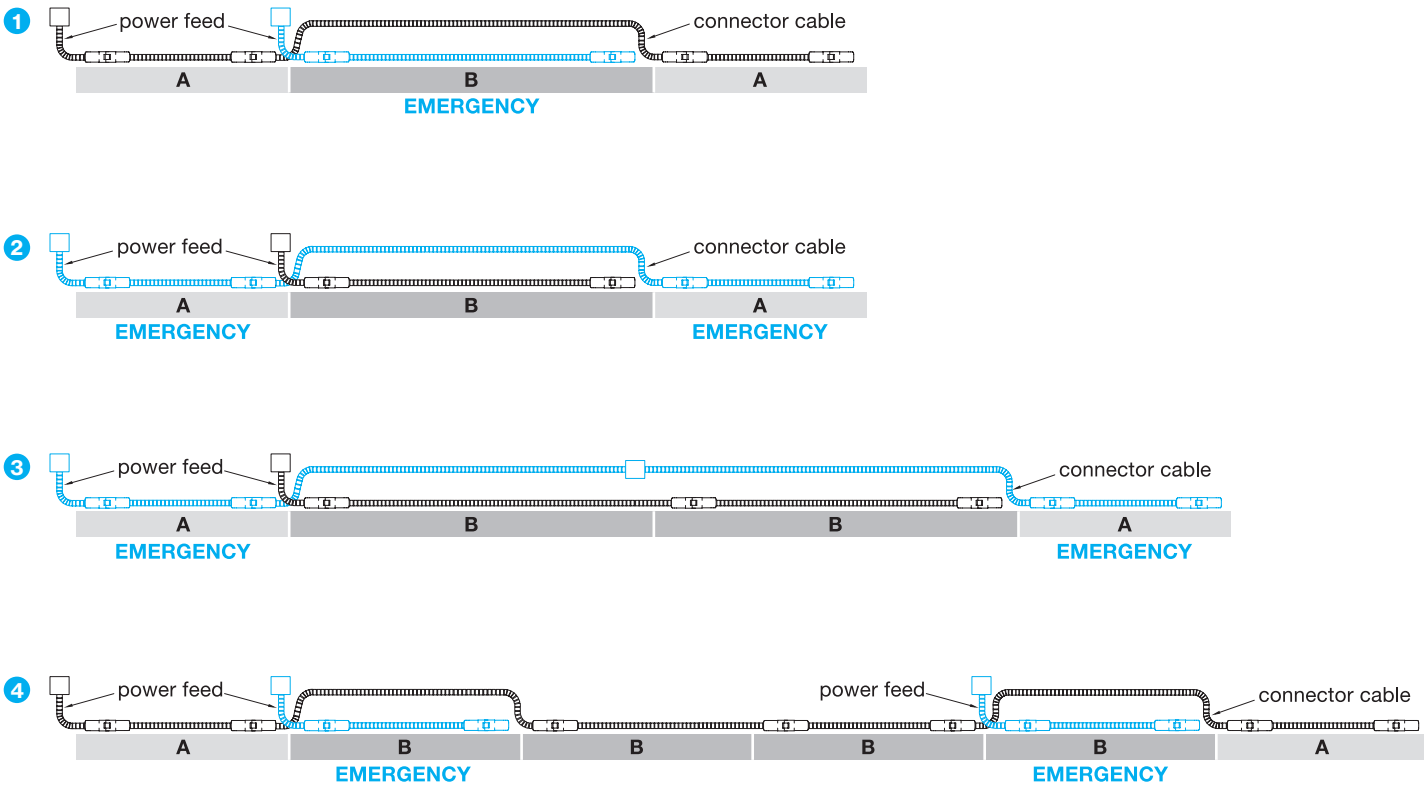
CANDELA DISTRIBUTION

	0	25	45	65	90
0	1288	1288	1288	1288	1288
5	1280	1280	1280	1280	1281
15	1231	1230	1232	1232	1232
25	1138	1140	1140	1141	1146
35	1009	1010	1010	1012	1010
45	849	848	849	851	845
55	663	663	663	663	659
65	463	462	460	459	455
75	260	259	255	249	245
85	76	74	72	68	65
95	2	2	2	2	2
105	0	0	0	0	0

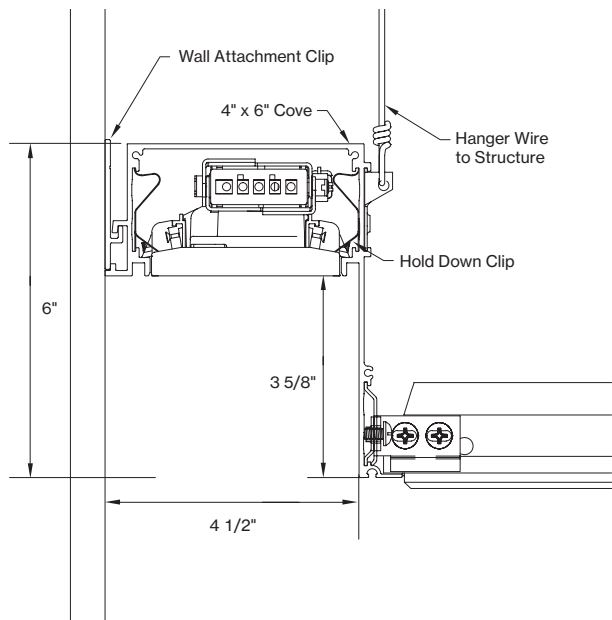
FOUR INSTALLATION TYPES



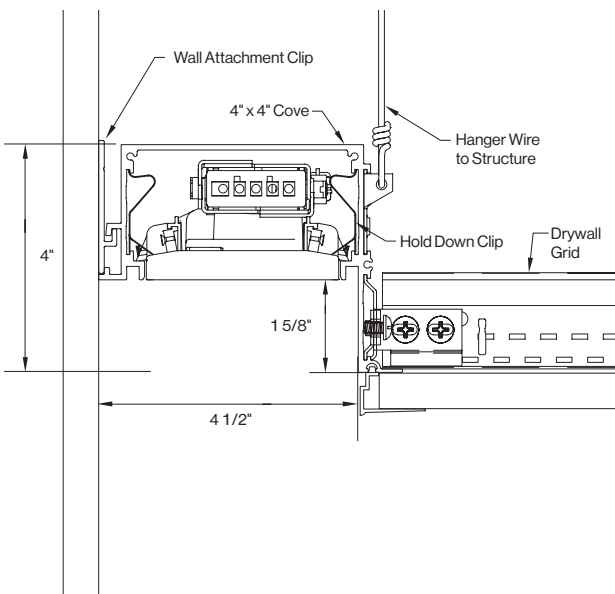
LENO WIRING FOR EM CIRCUIT OR NL/EM CIRCUIT



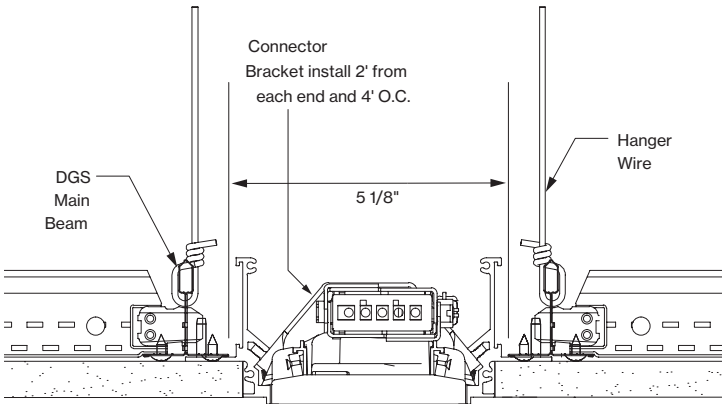
4" x 6" AXIOM® COVE KIT



4" x 4" AXIOM® COVE KIT



DRYWALL KIT



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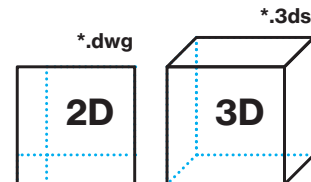
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Complete 3D planning can be created quickly. The detailed data on the luminaires are offered free of charge and can be imported into plans with ease. The result includes magnificent image materials, 360° panoramas and videos.

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

Local production in the USA



Our new 65,000 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.

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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. Whether in New York, Amsterdam, Paris, Berlin, Zurich, London or Graz or by visiting one of a number of partners located worldwide.

Events



Profit from an international exchange of ideas. We regularly invite architects, light 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.

XAL USA HEADQUARTERS

XAL Inc.
133 West 19th Street
9th Floor
New York, NY 10011
USA
T +1.212.343.8100
office.us@xal.com

PRODUCTION

XAL Inc.
150 Hawley Road
Oxford, CT 06478
USA
T +1.203.262.9990
office.us@xal.com

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COVER

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XAL INC.

133 West 19th Street

9th Floor

New York, NY 10011

USA

T +1.212.343.8100

office.us@xal.com

xalusa.com