SurroundLite™

Architectural Lighting Innovations

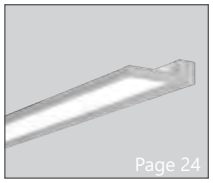
axis

2024

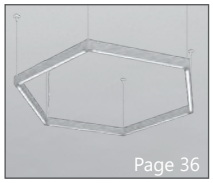
SurroundLite™

Architectural Lighting Innovations

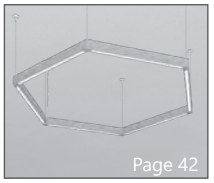
Creative Systems


Page 24

Pose


Page 36

Stencil DI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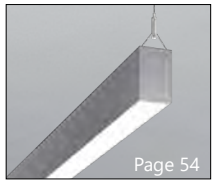
Stencil

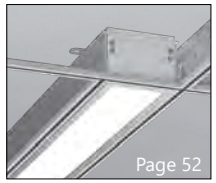
Page 48

Sketch Pendant

Linear Systems

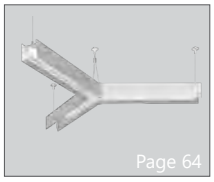

Page 54

Beam 2 Square
Beam 2, 3 and 4
SurroundLite

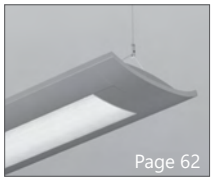

Page 52

Beam 3
SurroundLite
Recessed

Architectural Systems


Page 64

Zen, Zen Square and
Zen Square Forms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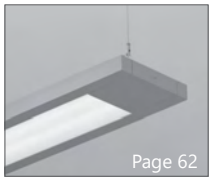
LT


Page 62

Cubic

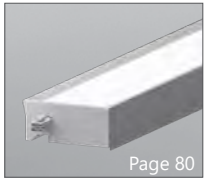
Page 62

Slim

Cove Systems

Page 80

Cove Perfekt
Ceiling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Cove Perfekt
Wall

Every luminaire in this collection uses SurroundLite™ technology. Please visit axislighting.com for the latest releases.

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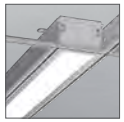
The SurroundLite Solution **6**

Creative Systems **20**

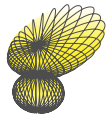
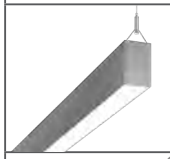
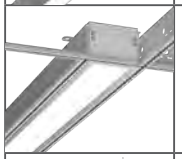
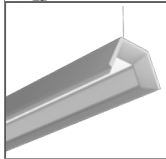
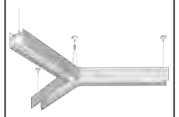


Linear Systems **50**

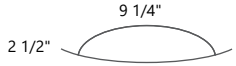
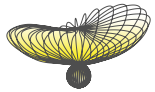
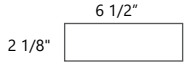
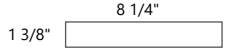
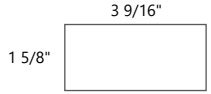
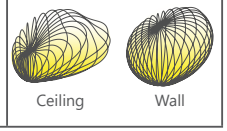
Architectural Systems **60**

Cove Systems **76**

The SurroundLite™ Collection

PRODUCTS		OPTICS OPTIONS	LIGHT DISTRIBUTIONS	MOUNTING OPTIONS	DIMENSIONS	SURROUNDLITE 3D DISTRIBUTION
	Pose	Ultra Blend Lens	0-100% UP 0-100% DOWN ASYMMETRIC DIRECT ASYMMETRIC INDIRECT	Wall Surface	1 1/4" 1 3/8" 1/2" 4 15/16"	
	Stencil DI*	Spotless Lens Micro Louver	0-100% UP 0-100% DOWN ASYMMETRIC INDIRECT	Pendant	1 3/16" 2"	
	Stencil*	Spotless Lens Micro Louver	0% UP 100% DOWN 100% UP 0% DOWN ASYMMETRIC INDIRECT	Pendant	1 3/16" 2"	
	Sketch Pendant	Spotless Lens	60% UP 40% DOWN 0% UP 100% DOWN	Pendant	5" 2 3/4"	
	Beam 2 Square Beam 2, 3 and 4 SurroundLite*	Glo Lens Step Lens Louver Spotless Lens Ultra Blend Lens	0-100% UP 0-100% DOWN ASYMMETRIC DIRECT	Pendant Wall**	2 5/8" 2 1/2" 3 7/8" 2 1/2" 4 1/8" 3 7/16" 4 7/8" 4 3/16"	
	Beam 3 SurroundLite Recessed	Spotless Lens	0% UP 100% DOWN	Recessed	3" 2 5/16"	
	Zen	Microgroove Spotless Lens Microgroove Aluminum	65% UP 35% DOWN 0% UP 100% DOWN	Pendant Recessed Surface	5 15/32" 2 13/16"	
	Zen Square Zen Square Forms	Microgroove Spotless Lens Microgroove Aluminum Spotless Lens	0% UP 100% DOWN 25% UP 75% DOWN 50% UP 50% DOWN 75% UP 25% DOWN	Pendant Wall**	3 15/16" 3 5/8"	

*Uplight powered by SurroundLite
**Pendant dimensions shown, please consult specification sheets for wall mount dimensions.
Basic product preview only, for complete product selection and options please consult specification sheets.

PRODUCTS		OPTICS OPTIONS	LIGHT DISTRIBUTIONS	MOUNTING OPTIONS	DIMENSIONS	SURROUNDLITE 3D DISTRIBUTION
	LT SurroundLite	Louver Spotless Lens Satin Ribbed Lens		Pendant Wall**		
	Cubic SurroundLite	VL Optic Louver Spotless Lens		Pendant Wall**		
	Slim SurroundLite	VL Optic Louver Smooth Lens Regressed		Pendant Wall**		
	Cove Perfekt Ceiling and Wall			Cove Wall		

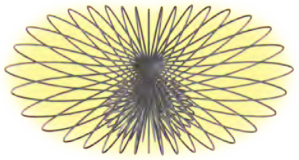
*Uplight powered by SurroundLite
**Beam 2 dimensions shown, please consult specification sheets for Beam 2 square dimensions.
Basic product preview only, for complete product selection and options please consult specification sheets.

The Lighting Distribution Challenge

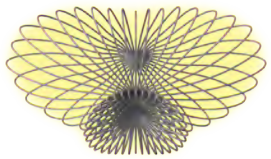
The SurroundLite™ Solution:

3D Light Distribution

SurroundLite's 3D distribution emits as much light from the ends as from the sides. It provides wide spacing, exceptional uniformity and reduced cave effect, resulting in fewer luminaires needed to light a space.



Top view



Bottom view

Side view

The Lighting Uniformity Challenge

The SurroundLite™ Solution:

Exceptional Uniformity

SurroundLite's 3D distribution provides exceptional ceiling uniformity, especially in patterned designs, with products such as Stencil and Sketch Pendant.

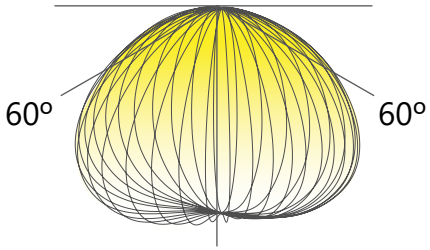
Without **SurroundLite**

The Lighting Uniformity Challenge

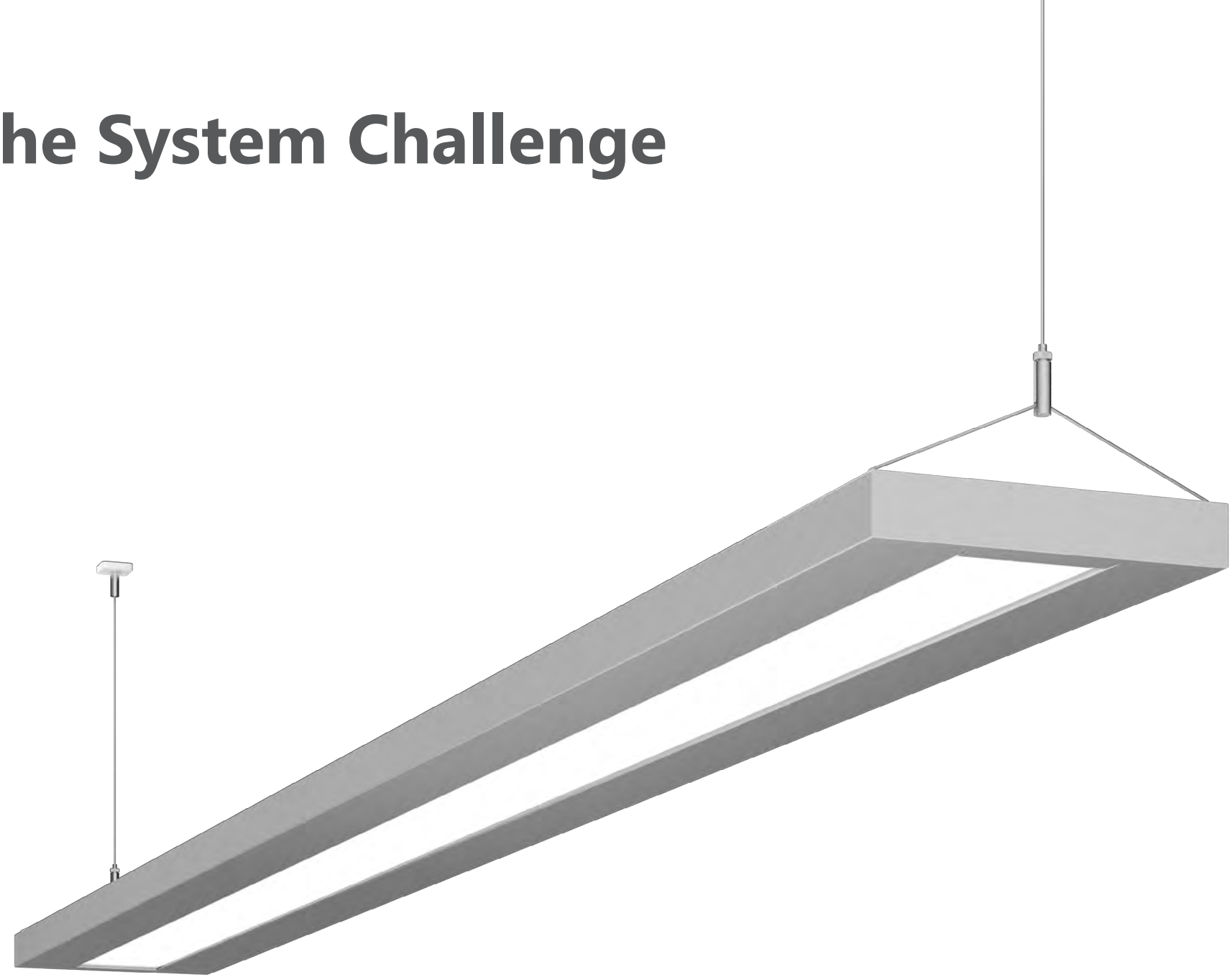
The SurroundLite™ Solution:

Sharp Cutoff

With SurroundLite, the lens is the light, delivering sharp cutoff and reduced contrast to improve visual comfort. Also, luminaires can be more widely spaced so fewer are needed to light the room.



The System Challenge



The SurroundLite™ Solution:

Integrated Design

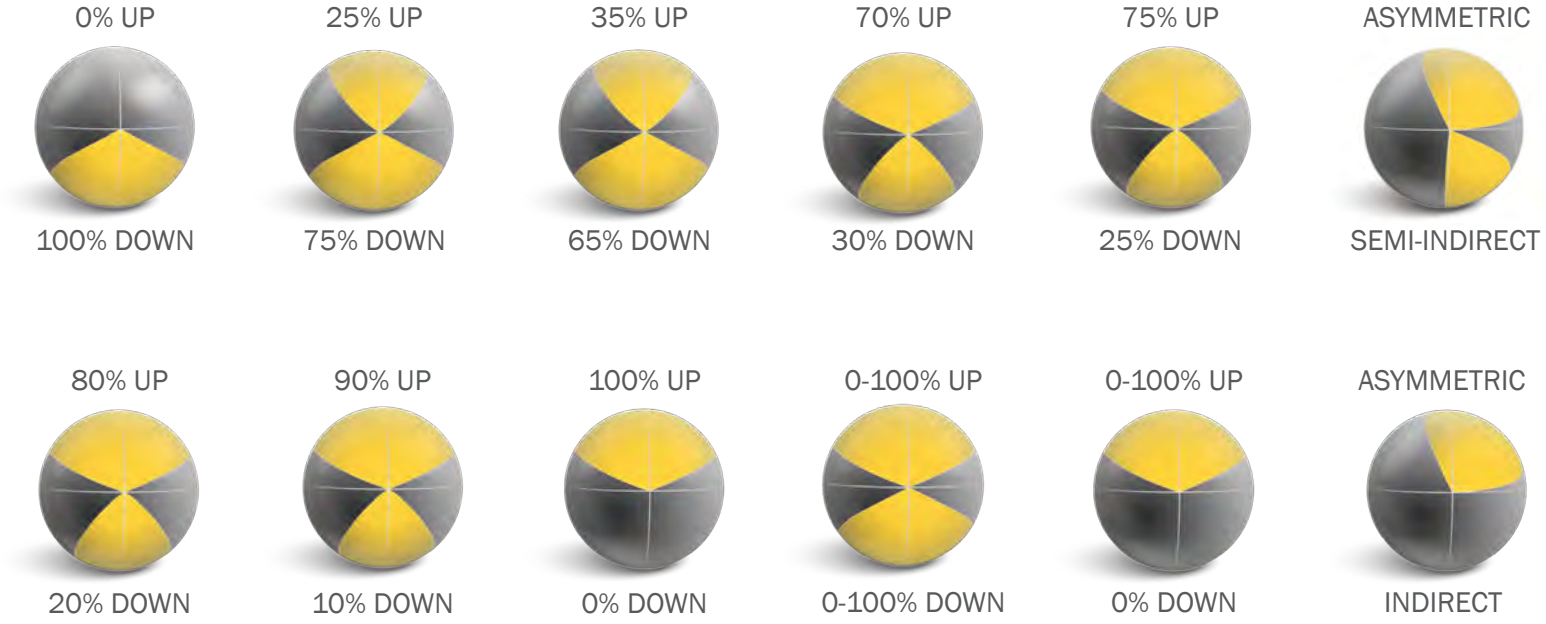
Every SurroundLite luminaire has an integral control-ready driver and a simple optical, electrical and mechanical connection system, facilitating installation and maintenance.

Top view

Bottom view

SurroundLite is a non-imaging optic that effectively masks dirt.

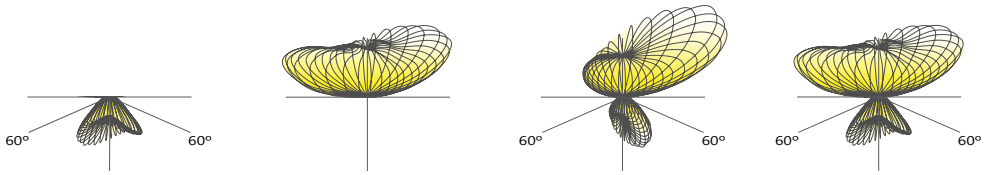
The Application Flexibility Challenge



The SurroundLite™ Solution:

Multiple Distributions

SurroundLite lightguide materials are manipulated at the molecular level to create multiple light distributions:



SurroundLite **Direct**

SurroundLite **Indirect**

SurroundLite **Asymmetric**

SurroundLite **Direct / Indirect**

Stencil

Sketch

Form vs. Function

Stencil pushes the boundaries of minimalist design by harnessing the power of SurroundLite® in a miniature optic design that provides the lighting power of a luminaire four times its size.

Sketch Pendant, with its curved SurroundLite lightguide, allows designers to create unique illuminated floating forms that complement the space and provide unprecedented lighting uniformity.

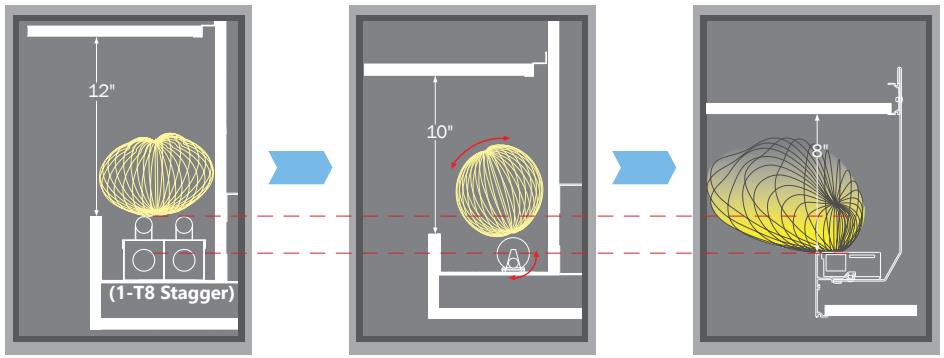
The Luminaire Design Challenge

Rethinking Luminaire Design

SurroundLite™ also allows Axis to redefine lighting applications, such as cove lighting. Cove Perfekt Ceiling and Wall set a new standard in cove lighting quality with an easy-to-specify system that eliminates the need for movable optics.

Cove Perfekt

The SurroundLite Evolution in Cove Lighting



Fluorescent Coves
9 W/ft
Shadows and Color Shift

Most LED Coves
8 W/ft
Difficult Aiming Required
Can Result in Hotspots and Shadows

Cove Perfekt
3 W/ft
No Shadows or Aiming

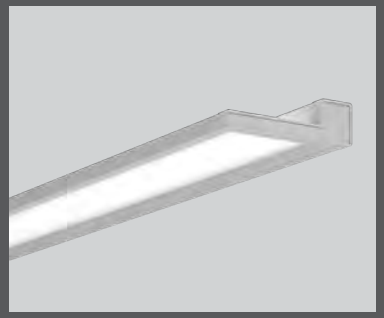
SurroundLite

Creative Systems

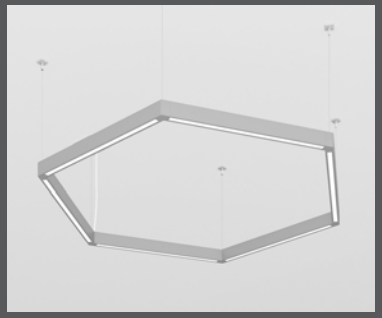
SurroundLite™ Creative Systems

Every model is unique to help you create visual statements that define a space. Creative Systems are more than just beautiful glowing objects for imprinting style. They are also engineered to put light where you need it in the most efficient manner possible. Count on luminaires that provide you with design flexibility, lighting performance and built-in value to enhance an office, an entrance hall, a library and other spaces featuring a modern decor.

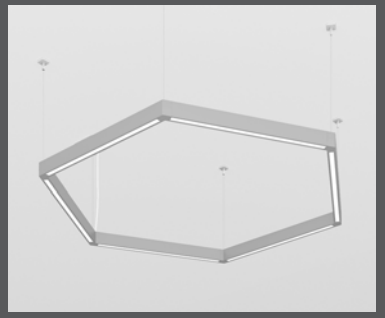
Creative Systems can be used in long lines of light, in short runs to create patterns and along perimeters to expand and brighten up a space.



Pose



Stencil DI



Stencil

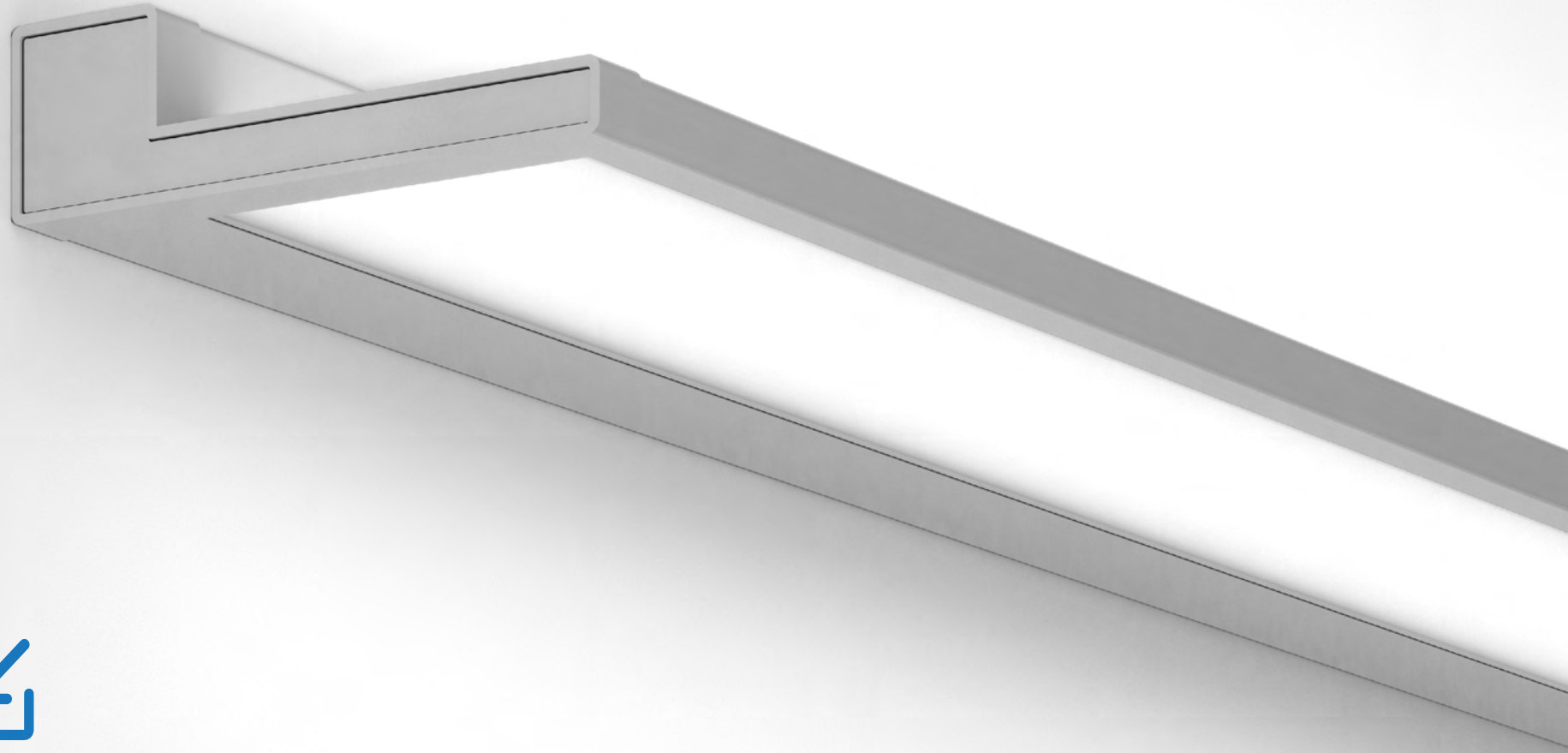
Sketch Pendant

Los Angeles
New York
London
Mumbai
Shanghai
Tokyo

Pose®

Ribbons of light featuring SurroundLite™

Combining **superior esthetics**, **quality performance** and **unparalleled versatility**, Pose offers new opportunities to capture the beauty and benefits of true asymmetric lighting without angled optics or bulky mounting hardware.



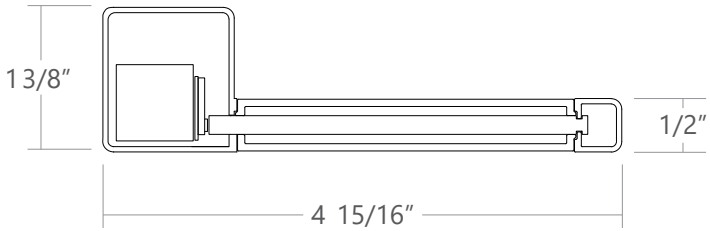
Integral
Mini-driver

One clean look

A form that fits in nicely

Design simplicity and architectural esthetics lay the foundation of Pose®, a timeless, compact form that lends itself to creating an appealing soft glow.

With its clean lines and lightweight aluminum construction, Pose appears to be floating. Its streamlined look is enhanced by a smooth, pixilation-free uniform lens.



Pose® generates ribbons of appeasing light that are both visually comfortable and visually stunning.

Two optics + Two sides

Lighting options you can work with

Go for one or two illuminated sides, and choose between two optics – true asymmetric distribution or a soft Lambertian glow – for a total of eight combinations to choose from (see page 14).

The asymmetric light source is a patented SurroundLite™ optic delivering superior performance and balanced luminance. The Lambertian optic produces a soft luminous effect that mitigates contrast.

One illuminated side

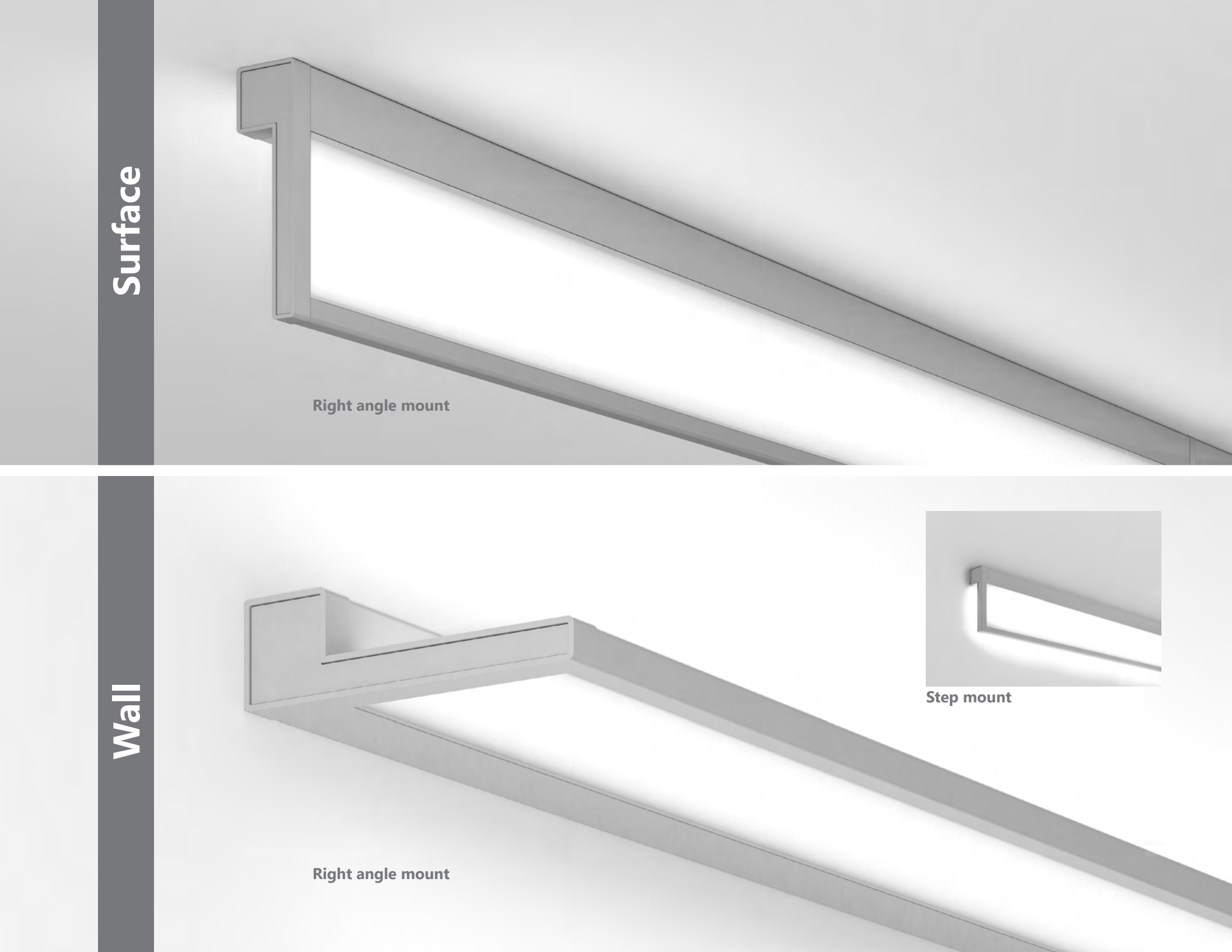
Two illuminated sides

Surface

Right angle mount

Wall

Step mount



Right angle mount

Two mounting planes

Endless design possibilities

From the simplicity afforded by two optics, two illuminated sides and three mounting planes come unlimited lighting design options…

On any of its three mounting planes, Pose® can be installed with the driver compartment pointing up or down, horizontally or vertically. In addition to continuous runs, Pose can be used in patterns and corners, as well as in coves.

A wide range of distributions

With a maximum output of 1000 lm/ft and a choice of asymmetric SurroundLite™ and Lambertian distribution combinations, Pose® is capable of delivering the light levels needed for the most demanding applications.

Pose
Surface & Wall

	LUMENS %
asymmetric	**50%**
asymmetric	**50%**

	LUMENS %
lambertian	**50%**
lambertian	**50%**

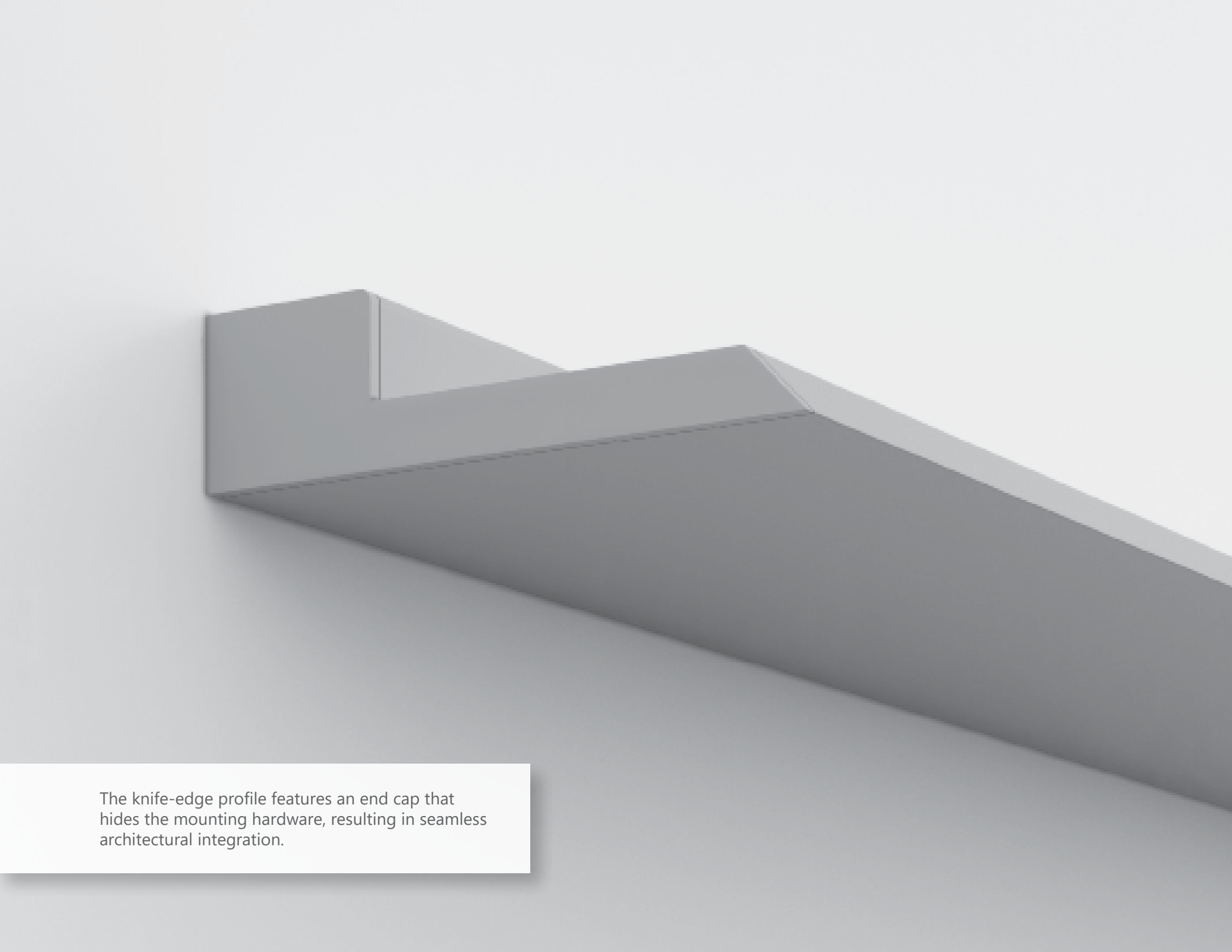
	LUMENS %
asymmetric	**60%**
lambertian	**40%**

	LUMENS %
lambertian	**40%**
asymmetric	**60%**

Wall mount distributions shown here also apply to ceiling mount applications (rotate 90°).

Pose Knife Edge

	LUMENS %
asymmetric	**100%**

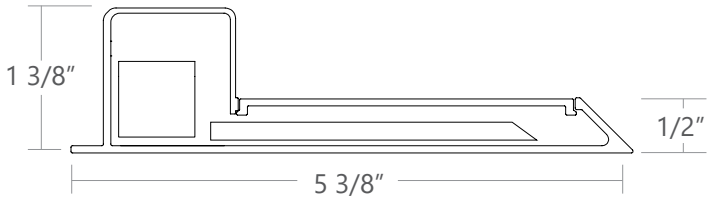


The knife-edge profile features an end cap that hides the mounting hardware, resulting in seamless architectural integration.

Pose® Knife Edge
Ideal for cove-less coves

This version of Pose features the smallest knife-edge profile in the lighting industry. Made of a single extrusion, Pose Knife Edge is available with a solid, non-luminous bottom and asymmetric uplight optic. Continuous runs and corner patterns also available.

Pose Knife Edge lets you add cove details in a space without the hassle and cost of building coves. Use the luminaire as a shallow ledge or hidden indirect light source to create your own cove-less cove solution.



Right angle mount only

Stencil Pendant Direct, Indirect and Direct/Indirect

Minimalist Linear Solutions

01 Direct

SO

Micro Lens

02 Indirect

SurroundLite
SurroundLite Asy.

03 Hub

04 Accent

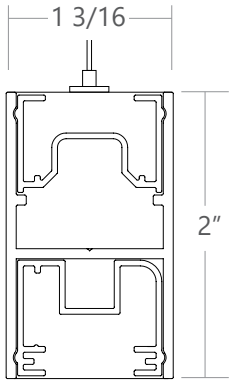
05 Micro Louver

06 Integral Mini-Driver

Stencil's 0-10V dimmable integral

02
03
05

The small footprint of Stencil Pendant D/I is identical to that of Stencil Pendant.



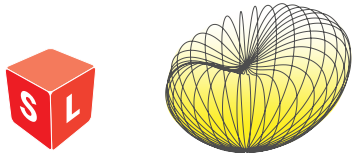
Stencil Pendant Direct / Indirect

New minimalist lighting options

Introducing a new addition to the Stencil family that extends the possibilities of pendant lighting with a visually comfortable, low-energy alternative. With direct and indirect lighting in every segment, Stencil Pendant D/I maintains lighting uniformity in continuous lines of light.

- ✓ Same look and size as Stencil Pendant, creating opportunities for coordinated lighting design.
- ✓ Cost-effective linear lighting solution
- ✓ Wide indirect lighting powered by Mini SurroundLite
- ✓ Choice of optics: lens, louver and MikroLite™
- ✓ Independent lighting control of direct and indirect components
- ✓ Remote driver allows for short luminaire lengths that would not be possible with larger integral drivers

Stencil Pendant D/I shown



Mini SurroundLite™

The lighting power of a fixture four times its size

An exclusive Axis innovation, SurroundLite delivers indirect lighting with a wide 3D distribution and balanced brightness.

In addition to superior visual comfort, SurroundLite provides more design freedom. Its high-performance indirect lighting enables the use of fewer Stencil Pendant and Pendant D/I segments. Also, linear applications feature more widely spaced lines of light.

Stencil Pendant D/I, Pendant & Surface

The entire Stencil family is suited to linear lighting applications. While Stencil Surface integrates well with the grid and Stencil Pendant is more cost-effective for creating forms and patterns, Stencil Pendant D/I is recommended for long lines of continuous light.

	lm/ft	Drivers
Pendant Direct/Indirect	**Direct:** Up to 600 lm/ft **Indirect:** 1000 lm/ft	Remote driver - Lutron, DALI, etc.
Direct or Indirect	**Direct:** Up to 600 lm/ft **Indirect:** 1000 lm/ft	Integral driver - Up to 200' of continuous LED light from a single power drop
Surface	Up to 600 lm/ft	Integral driver - Up to 200' of continuous LED light from a single power drop

Hubs	Cost	SurroundLite™ Indirect	Dual Circuit	Direct / Indirect in the same segment
16	$$$	Yes	Yes	Yes
16	$$	Yes	Yes	No*
6	$$	N/A	Yes	N/A

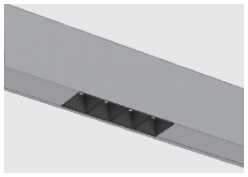
* Achieve Direct/Indirect lighting using MikroLite™ 1.0 in indirect segments 6′ or more in length.

Stencil Optics

Regressed Lens

Flush Lens

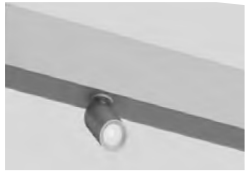
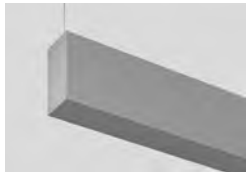
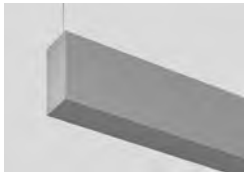
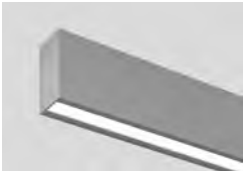
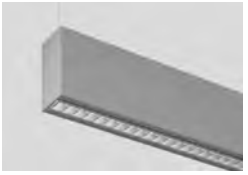
Louver



MikroLite™ 1.0

	Regressed Lens	Flush Lens	Louver	MikroLite™ 1.0
Pendant Direct / Indirect *Remote Driver*				
Pendant Direct *Integral Driver*		✓	✓	✓
Pendant Indirect *Integral Driver*				*✓
Surface *Integral Driver*	✓	✓	✓	✓

Please consult your Axis representative for more options.
* 6′ segment minimum.

 Accents	 Blank**	 Indirect	 D/I Lens	 D/I Louver
	✓		✓	✓
✓	✓			
✓	✓	✓		
✓	✓	N/A	N/A	N/A

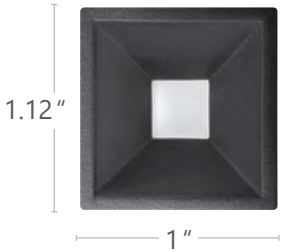
** Choice of powered and non-powered versions. Use blank segments to create a power bridge or for esthetic continuity. Available in any length increment with a minimum length of 7".

Stencil Pendant Indirect
with MikroLite 1.0 optics

MikroLite™ 1.0

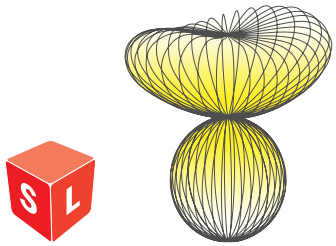
Well-defined beams. Clutter-free ceiling.

MikroLite 1.0 features a highly esthetic 1" square-in-square beveled TIR optical system that provides superior visual comfort. Its precision optics produce flawless color mixing and streak-free vertical surfaces.



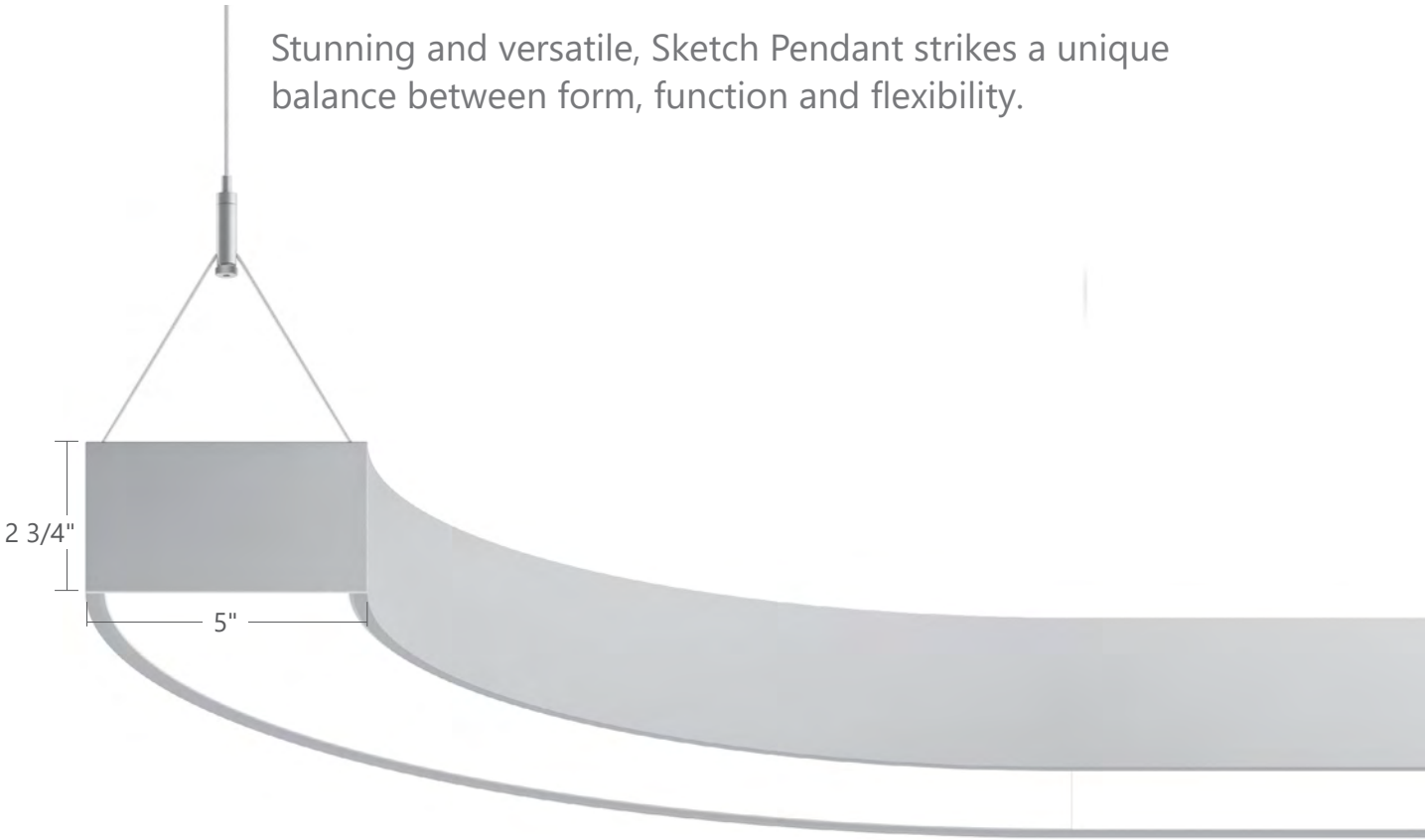
- ✓ Choice of narrow or wide beam
- ✓ CRI: 80 or 90 CRI
- ✓ Output: 500 lm per 4-cell module
- ✓ Fixed CCT: 2700, 3000, 3500, 4000 K
- ✓ Available in Stencil Pendant and Stencil Surface
- ✓ 6' minimum segments for Stencil Pendant Indirect with MikroLite optics
- ✓ Available in black, white and grey finish

Sketch Pendant Indirect
with MikroLite 1.0 optics



Sketch Pendant
Drawing with Light

Stunning and versatile, Sketch Pendant strikes a unique balance between form, function and flexibility.



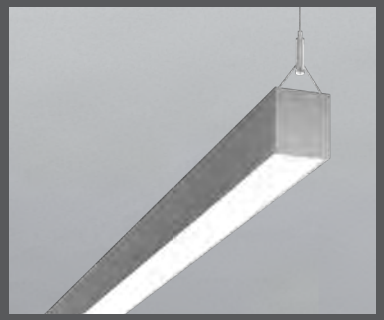
SurroundLite

Linear Systems

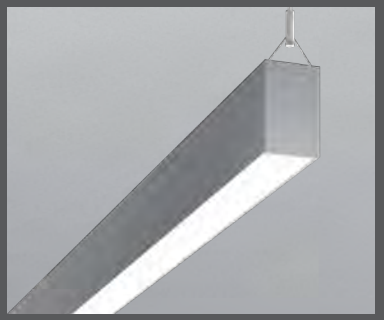
SurroundLite™ Linear Systems

Welcome to a new generation of linear lighting statements powered by SurroundLite technology.

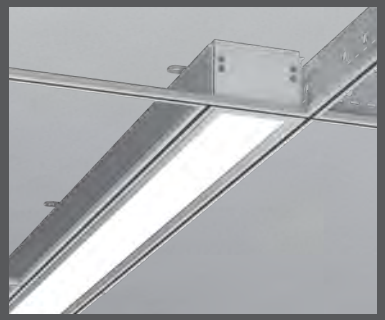
Linear Systems provide a good measure of visual comfort, uniformity and wide spacing. These linear luminaires feature new optical options that deliver even more flexibililty and architectural appeal.



Beam 2 Square



Beam 2, 3
and 4 SurroundLite



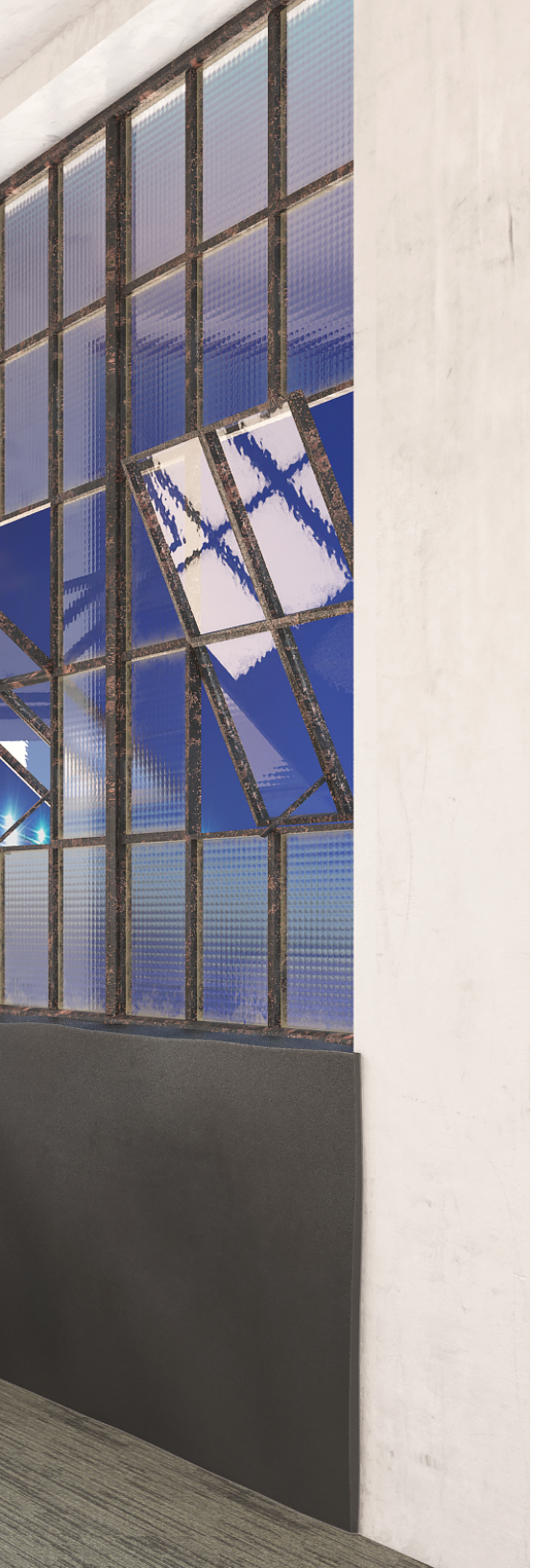
Beam 3 SurroundLite
Recessed

Uplight powered
by SurroundLite

Beam 2 Square, Beam 2, 3 and 4 with SurroundLite™

Streamlined architectural form with added lighting flexibility

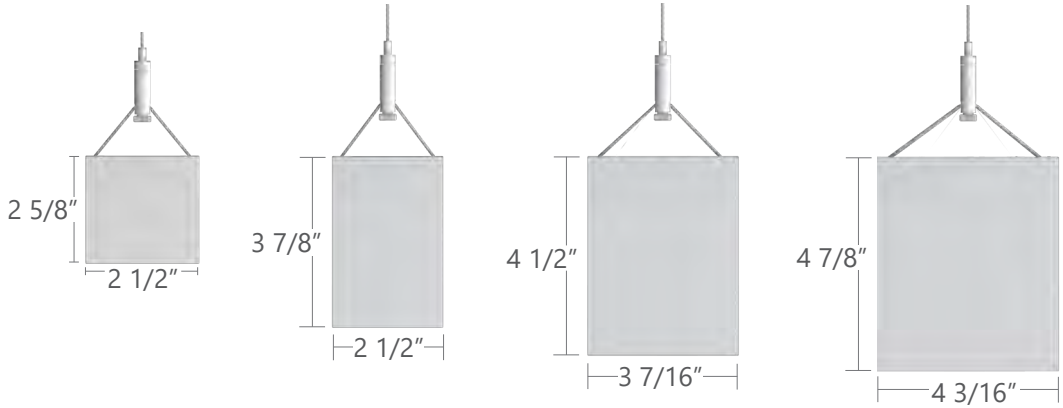
Opposite: Beam 2 SurroundLite Pendant with Glo lens



Beam 2 Square, Beam 2, 3 and 4 with SurroundLite™

More lighting power in a trimmer package

The totally redesigned Beam 2 Square, Beam 2, 3 and 4 with SurroundLite™ feature a more compact form, greater optical versatility and SurroundLite technology for maximum lighting effectiveness. Available as pendant, surface or wall mount.



Beam 2 Square | Beam 2 | Beam 3 | Beam 4

Greater optical versatility

Choose from a selection of indirect optics (SurroundLite, Glo Lens) and direct optics (Spotless Lens, Louver, Glo Lens) for use in a wide variety of applications.

Shielding Options

Louver

Flush Lens

Glow Lens up 0.25" shown

Glo Lens

The patented Glo lens option features a thinly protruding lens (0.25") that adds visual appeal. Choose from a diffuse uniform glow on the top, on the bottom, or both.

Step Lens

Indirect

Distributions Options

		Beam 2 Square	Beam 2	Beam 3	Beam 4
SHIELDING INDIRECT	SO SO		✓	✓	✓
	BW Batwing		✓	✓	✓
	Glo Lens		0.25″	0.25″	0.25″
	SurroundLite SurroundLite Asy.	✓	✓	✓	✓
	SO SO	✓	✓	✓	✓
	ASO Asymmetric	✓	✓	✓	✓
	BW Batwing	✓	✓	✓	✓
	NW Narrow	✓	✓	✓	✓
	GZ Graze	✓	✓	✓	✓
	WW Wall Wash	✓	✓	✓	✓
	UB Ultra Blend	✓	✓	✓	✓
	Louver	✓	✓		
	StepLens	1″	1″	1.25″	1.25″ 1.5″
SHIELDING DIRECT	Glo Lens	0.25″	0.25″	0.25″	0.25″ 0.5″

Refer to Beam consolidation guide for complete details.

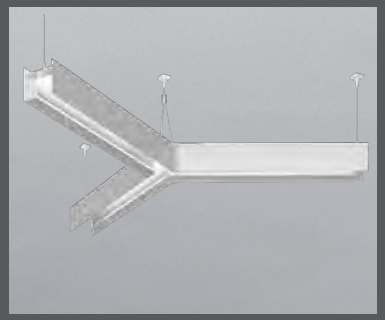
SurroundLite

Architectural Systems

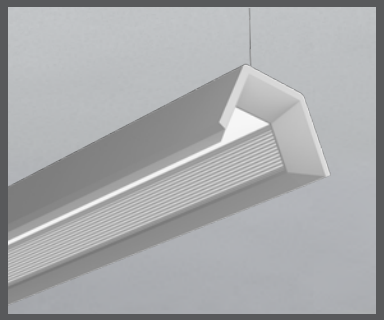
SurroundLite™ Architectural Systems

Striking the perfect balance between form and function, the Architectural Systems family is the ultimate design toolbox for creating beautiful quality lighting concepts for a wide variety of applications.

Beyond providing esthetic appeal, these lighting instruments bring together high-output illumination, excellent glare control, wide spacing opportunities, integrated controls options and installation flexibility. Everything you would expect and more.

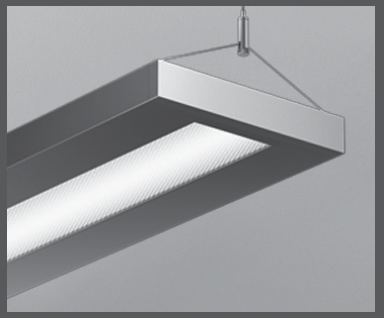


Zen Square and
Zen Square Form



Zen

LT



Slim

Cubic

Zen, Zen Square and Zen Square Forms
The SurroundLite™ story

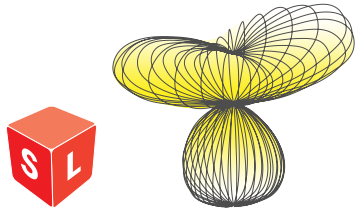
Zen and Zen Square pendants incorporate patented SurroundLite technology developed by Axis. The result is a richer visual experience with additional light distribution that opens up a space and pleases the eye.

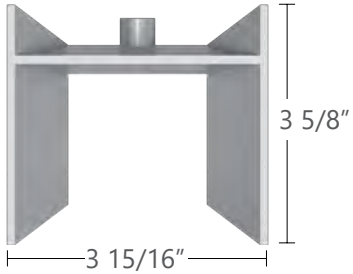
High-Performance Optics

SurroundLite produces a visually appealing non-Lambertian 3D spherical batwing light distribution.

- ✓ Uniformly diffuse lighting similar to daylight.
- ✓ Wide planes of light in all directions: ceiling, corners, walls.
- ✓ Reduced contrast on the ceiling, improving visual comfort.
- ✓ Wide spacing results in fewer luminaires needed to light a space.

STUDY AND CONCEPT
DEVELOP MENT
CREATIVE PROCESS
IDEA

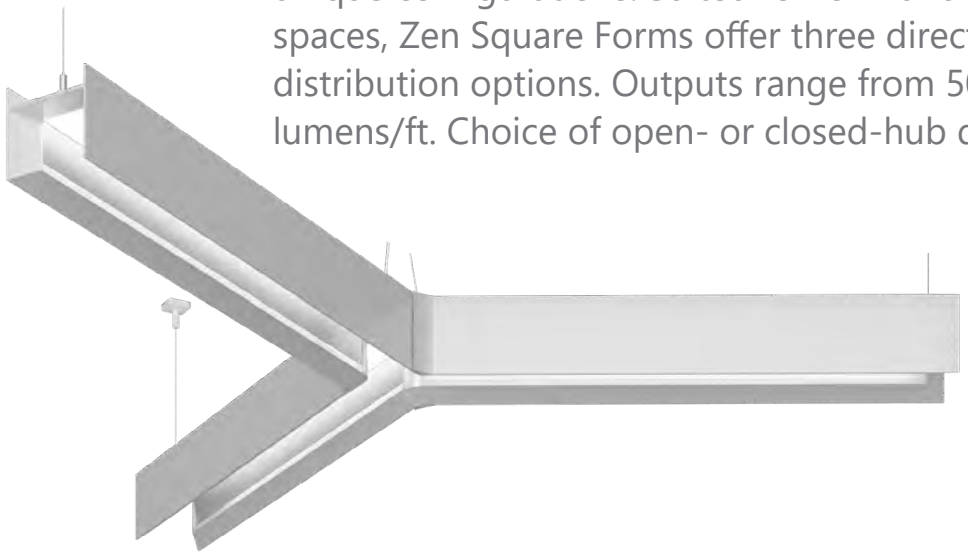


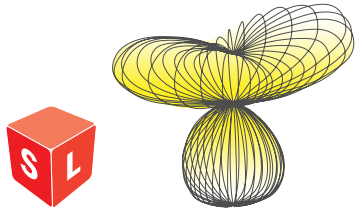


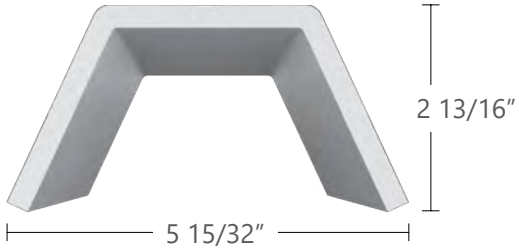
Zen Square Forms

Powerful, elegant pendant alternatives

Take pendant lighting concepts to new heights with the graceful presence of Zen Square Forms. The available Y- and X-shaped luminaires generate significant visual interest against the ceiling line while creating opportunities for appealing neighborhoods of light, rhythmic layouts and unique configurations. Suited for low- and high ceiling spaces, Zen Square Forms offer three direct-indirect lighting distribution options. Outputs range from 500 to 1350 lumens/ft. Choice of open- or closed-hub designs.



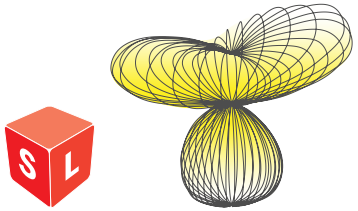


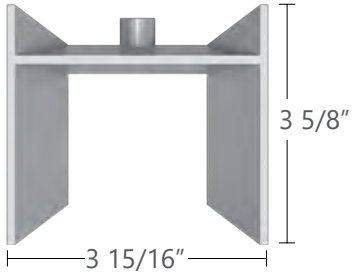


Zen

A family of sleek luminaires with superior lighting power

These patent-pending inverted-U forms provide soft, comfortable lighting. They emit more downward luminance from the top than from the sides. Pendant versions use SurroundLite™ optics to open up the space by delivering ample, glare-free downlighting and reflected light throughout.





Zen Square

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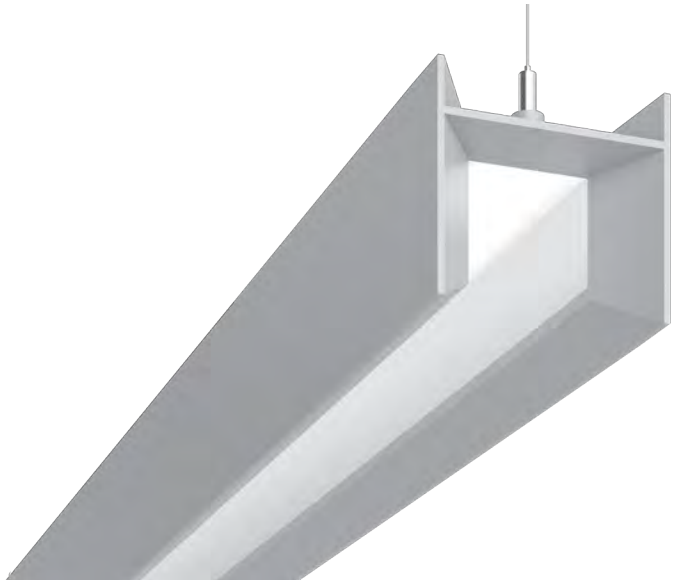
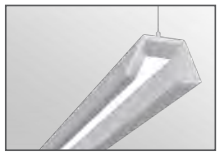
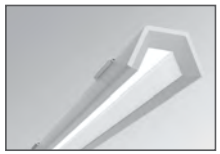


Zen, Zen Square and Zen Square Forms
Versatile and compact forms

Choose between two profiles to match various architectural interiors.

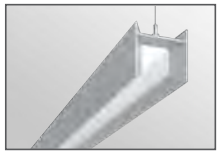
Zen


Pendant


Surface

Recessed

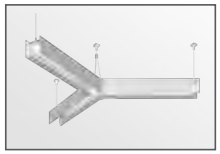
Zen Square

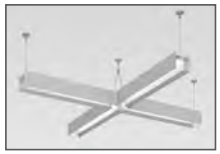

Pendant

Wall

Recessed

Zen Square Forms


Pendant-3 legs


Pendant-4 legs

Integral LED Mini-Driver

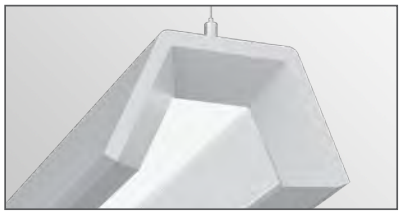
This dimmable integral LED mini-driver is one of the smallest of its kind in the world. Reduce installation time and costs by eliminating the need for remote drivers.

Zen, Zen Square and Zen Square Forms

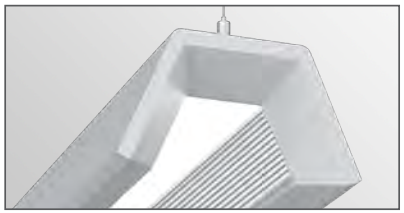
Innovative optics

Pendant versions feature unique SurroundLiteTM direct-indirect optical systems to deliver superior visual comfort and maximum lighting effectiveness while reducing installation time and costs.

Zen

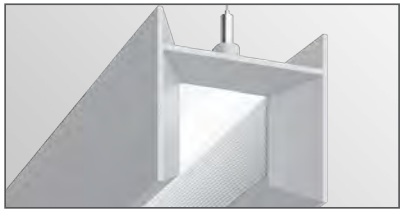


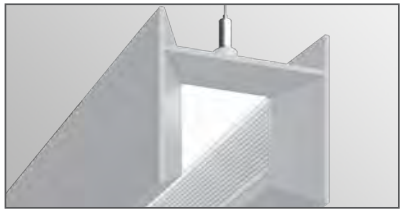
Microgroove Side Spotless (MSO)

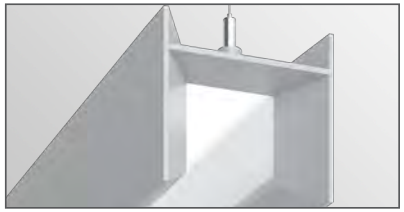


Microgroove Extruded Aluminum (MAL)

Zen Square / Zen Square Forms







Spotless Acrylic Shielding (SO)
Only available with Zen Square.

Cove Systems

SurroundLite™ Cove Systems

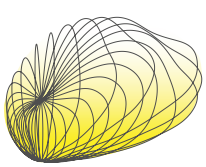
Few luminaires have been more in need of an upgrade than cove lights, long stifled by complicated details and inconsistent, time-consuming aiming.

Armstrong Ceiling Systems and Axis saw an opportunity to reduce clutter and simplify design. So we joined forces to codevelop the best possible cove lighting solution from the ground up.

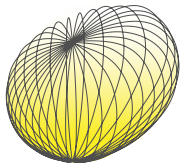
The result: A foolproof, pre-engineered cove system and an aim-free, high-performance cove light that set the new standard for cove lighting.

Cove Perfekt - Ceiling

Cove Perfekt - Wall

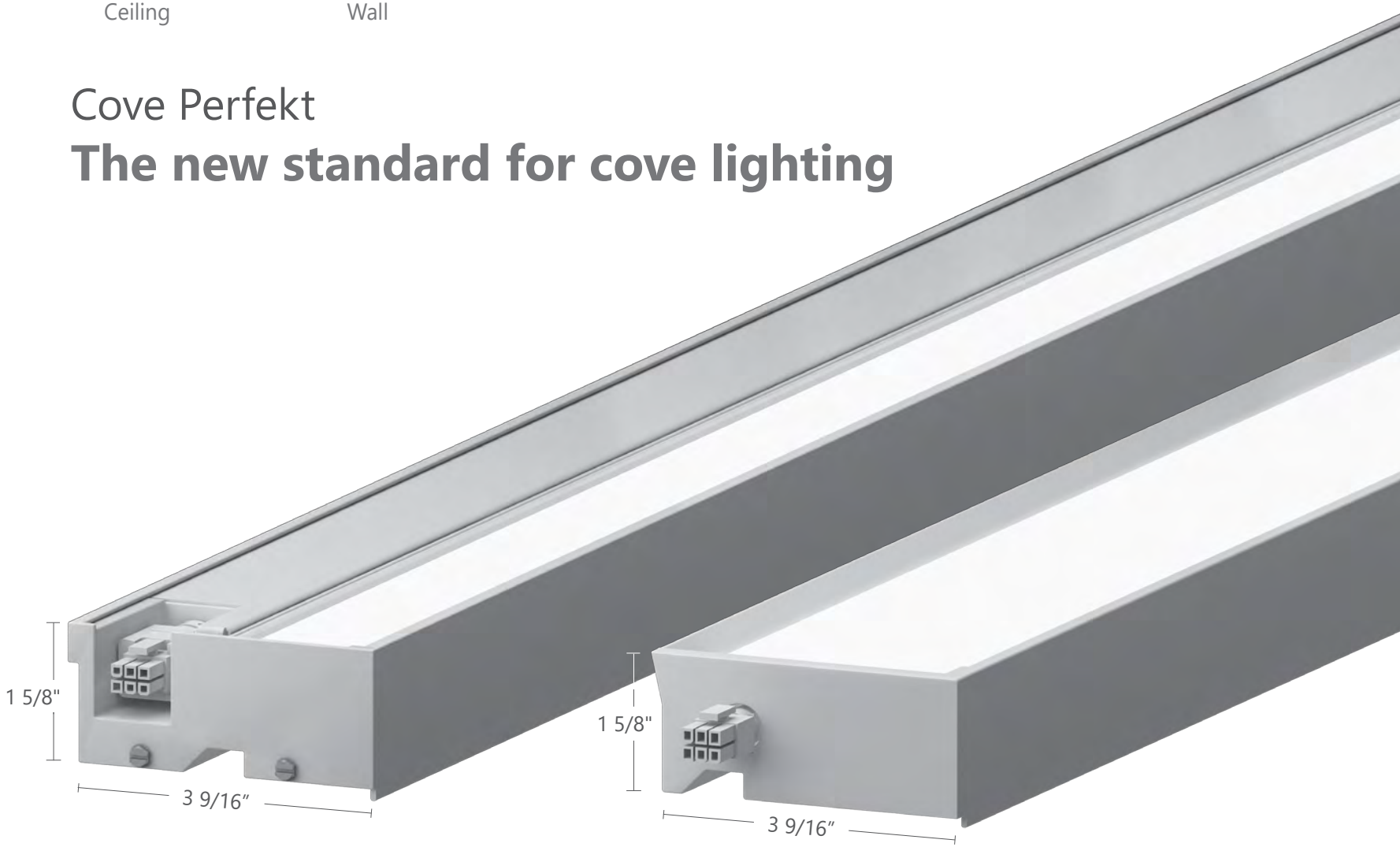


Cove Perfekt
Ceiling



Cove Perfekt
Wall

Cove Perfekt
The new standard for cove lighting



Cove Perfekt Ceiling

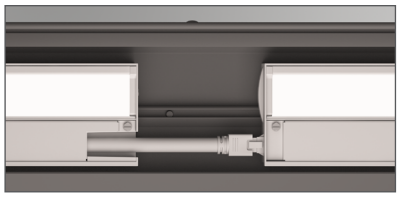
Cove Perfekt Wall

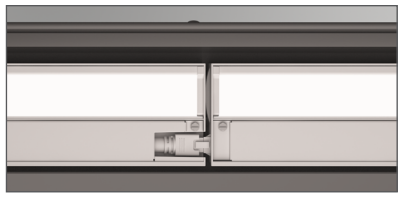
Cove Perfekt

Pre-engineered quality cove lighting system

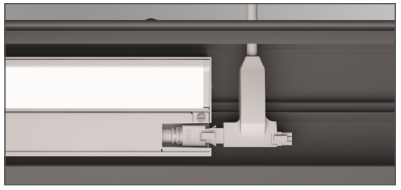
In partnership with Armstrong Ceiling Systems, Cove Perfekt takes the guesswork out of cove lighting. Design smaller coves, eliminate hot spots, do away with aiming, improve the overall cove light quality with the power of SurroundLiteTM and save energy like never before with this simple-to-specify system.

- ✓ Up to twice the efficiency of other cove products.
- ✓ Simple, easy-to-specify system.
- ✓ Foolproof mounting. Aim-free lighting.
- ✓ Available with color tuning options.





Telescoping Cable for Easy Installation



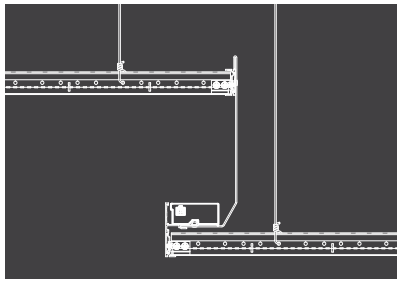
T - End Power Feed

Cove Perfekt & Axiom® Cove

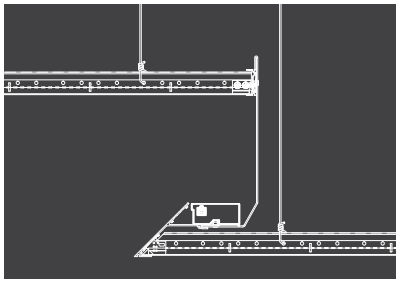
Up to 90% Less Labor to Install Coves

Cove Perfekt was designed in sync with Axiom®, Armstrong's new, easy-to-install cove system. Together, they form the new standard for cove lighting.

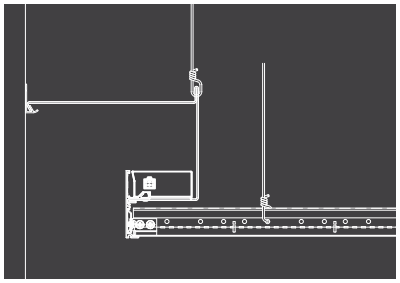
- ✓ Easy onsite trade coordination
- ✓ Luminaire position at very front of cove to maximize efficiency
- ✓ Optional air return slots
- ✓ No need for complex cove details
- ✓ Keyed system ensures proper mounting of luminaires



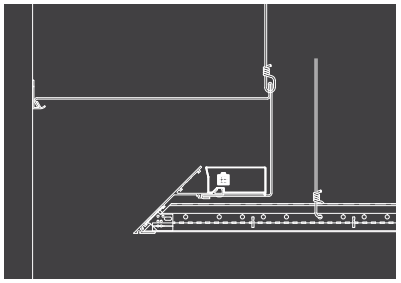
Axiom Ceiling
Classic Profile



Axiom Ceiling
Knife Edge® Profile



Axiom Wall
Classic Profile



Axiom Wall
Knife Edge® Profile

About Axis Lighting

Founded in 1991 and still family owned and managed, Axis is an important source for architectural lighting across North America and around the globe.

Over the last decade, the company has exhibited remarkable growth thanks to its commitment to Design Flexibility, Optimal Energy Efficiency and Responsive Customer Care. That leadership effort now extends to developing Innovative Lighting Technologies, such as SurroundLite™, on an ongoing basis.

On the strength of a broad and expanding product line, Axis has successfully completed lighting projects for high-profile clients including Apple, Chrysler, The Empire State Building, Google, Hyundai, Time Warner and McGill University, among many others.

Axis has the drive and the expertise to meet your needs and provide architectural lighting... your way.

We reserve the right to change specifications without notice.
Please consult our website for the most current technical information
and to locate your nearest Axis representative.

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axislighting.com

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