SurroundLite™

Architectural Lighting Innovations

axis

SurroundLite™

Architectural Lighting Innovations

Creative Systems

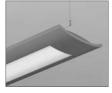## Architectural Systems

Linear Systems

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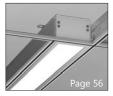
Every luminaire in this collection uses SurroundLite™ technology.
Please visit axislighting.com for the latest releases.

Contents

The SurroundLite™ Collection

PRODUCTS	OPTICS OPTIONS	LIGHT DISTRIBUTIONS							MOUNTING OPTIONS	DIMENSIONS	SURROUNDLITE 3D DISTRIBUTION
Sketch Pendant *New*	Spotless Lens	60% UP / 40% DOWN	0% UP / 100% DOWN						Pendant	5" × 2 3/4"	
Stencil* *New*	Micro Lens Micro Louver	0% UP / 100% DOWN	100% UP / 0% DOWN	ASYMMETRIC INDIRECT					Pendant	1 11/64" × 2"	
Zen *New*	Microgroove Spotless Lens Microgroove Aluminum	65% UP / 35% DOWN	0% UP / 100% DOWN						Pendant Recessed (Beam) Surface	5 15/32" × 2 13/16"	
Zen Square *New*	Microgroove Spotless Lens Microgroove Aluminum Spotless Acrylic	0% UP / 100% DOWN	25% UP / 75% DOWN	50% UP / 50% DOWN	75% UP / 25% DOWN				Pendant Wall	3 15/16" × 3 5/8"	
Cubic SurroundLite	VL Optic Louver Spotless Lens	75% UP / 25% DOWN	100% UP / 0% DOWN	ASYMMETRIC SEMI-INDIRECT					Pendant Wall**	6" × 2 1/8"	
Arc SurroundLite	Louver Spotless Lens	80% UP / 20% DOWN	100% UP / 0% DOWN	ASYMMETRIC SEMI-INDIRECT					Pendant Wall**	7 29/32" × 2 5/16"	
202 SurroundLite	Louver Spotless Lens	80% UP / 20% DOWN	100% UP / 0% DOWN	ASYMMETRIC SEMI-INDIRECT					Pendant Wall**	6 1/2" × 2 1/8"	
Slim SurroundLite	VL Optic Louver Smooth Lens Regressed	0% UP / 100% DOWN	25% UP / 75% DOWN	35% UP / 65% DOWN	80% UP / 20% DOWN	100% UP / 0% DOWN	ASYMMETRIC SEMI-INDIRECT	ASYMMETRIC INDIRECT	Pendant Wall**	8 1/4" × 1 3/8"	

*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.
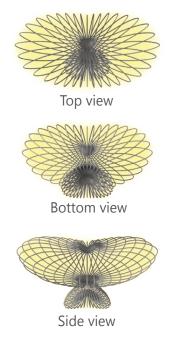
PRODUCTS	OPTICS OPTIONS	LIGHT DISTRIBUTIONS	MOUNTING OPTIONS	DIMENSIONS	SURROUNDLITE 3D DISTRIBUTION
LT SurroundLite	Louver Spotless Lens Satin Ribbed Lens	80% UP / 20% DOWN — 100% UP / 0% DOWN — ASYMMETRIC SEMI-INDIRECT	Pendant Wall**	9 1/4" — 2 1/2"	
Slim 2xSurroundLite	VL Optic Smooth Lens	0-100% UP / 0-100% DOWN	Pendant	8 1/4" — 1 3/8"	
Twig SurroundLite	VL Optic Spotless Lens	90% UP / 10% DOWN — ASYMMETRIC SEMI-INDIRECT	Pendant Wall	4" — 2 9/16"	
Beam 3 SurroundLite Recessed *New*	Spotless Lens	0% UP / 100% DOWN	Recessed	3" — 2 5/16"	
Twin Beam 2, 3 and 4 SurroundLite* *New*	Glo Lens Louver Spotless Lens	0-100% UP / 0-100% DOWN — ASYMMETRIC INDIRECT	Pendant Wall	3 7/8" / 2 1/2" — 4 1/8" / 3 7/16" — 4 7/8" / 4 3/16"	
Beam 2 Square* *New*	Glo Lens Louver Spotless Lens	0% UP / 100% DOWN — 100% UP / 0% DOWN	Pendant Wall Surface	2 1/2" — 2 5/8"	
Beam 4 SurroundLite* Pendant	Spotless Lens	0-100% UP / 0-100% DOWN — 0-100% UP / 0% DOWN	Pendant	4 5/32" — 5 1/2"	
Cove Perfekt Ceiling and Wall		ASYMMETRIC INDIRECT	Cove Wall	3 9/16" — 1 5/8"	Cove Wall

*Uplight powered by SurroundLite
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.
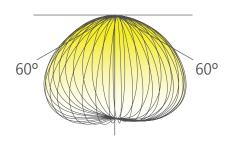

Top view

Bottom view

Side view

Opposite: Slim SurroundLite Pendant and Wall

The Lighting Uniformity Challenge

With **SurroundLite**

Without **SurroundLite**

6

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.

Opposite: Sketch Pendant

The Visual Comfort Challenge

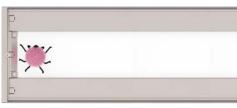**16' between luminaires**

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.

60°   60°

Opposite: Beam 3 SurroundLite Recessed

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.
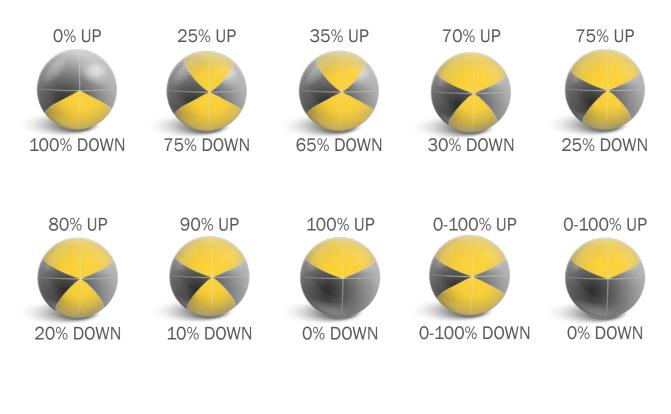
Top view

Bottom view

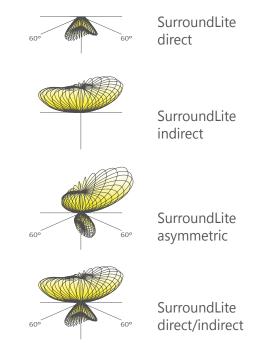SurroundLite is a non-imaging optic that effectively masks dirt.

Opposite: LT SurroundLite Pendant

The Application Flexibility Challenge

0% UP
100% DOWN

25% UP
75% DOWN

35% UP
65% DOWN

70% UP
30% DOWN

75% UP
25% DOWN

80% UP
20% DOWN

90% UP
10% DOWN

100% UP
0% DOWN

0-100% UP
0-100% DOWN

0-100% UP
0% DOWN

ASYMMETRIC
SEMI-INDIRECT

ASYMMETRIC
INDIRECT

See SurroundLite Collection for available distributions of each luminaire (pages 2-3).

The SurroundLite™ Solution: Multiple Distributions

SurroundLite lightguide materials are manipulated at the molecular level to create multiple light distributions: SurroundLite indirect, SurroundLite direct and SurroundLite asymmetric.

SurroundLite direct

SurroundLite indirect

SurroundLite asymmetric

SurroundLite direct/indirect

The Form vs. Function Challenge

Stencil pushes the boundaries of minimalist design by harnessing the power of SurroundLite™ in a patent-pending miniature optic design that provides the lighting power of a luminaire four times its size.
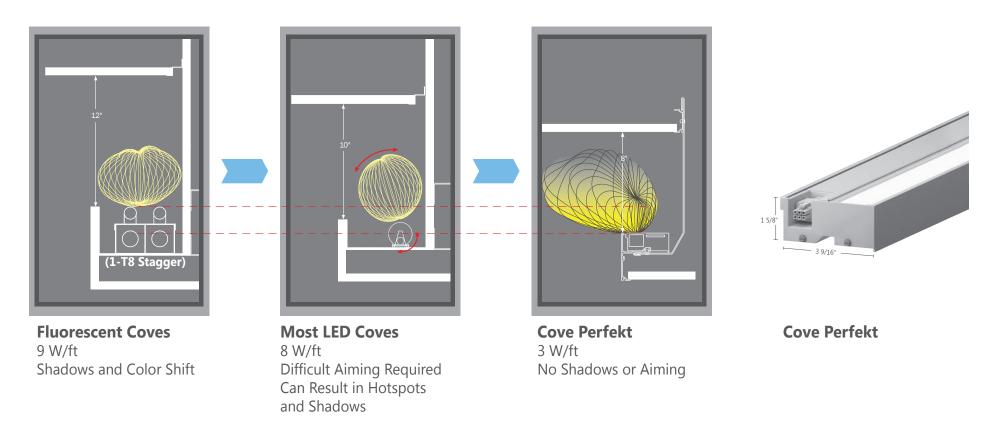
Sketch Pendant, with its curved SurroundLite lightguide, allows designers to create unique illuminated floating forms that complement the space and provide unprecedented lighting uniformity.

The Luminaire Design Challenge

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.

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

Cove Perfekt

Opposite: Cove Perfekt Wall

SurroundLite™ Creative Systems

Every model is unique to help you create visual statements that define a space.
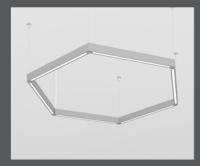
Creative Systems are more than just beautiful glowing objects for imprinting style. They are also engineered to put light where you need it in the most efficient manner possible.

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.

Sketch Pendant
New

Stencil
New

SurroundLite
Creative Systems

Sketch Pendant

Drawing with Light

Sketch Pendant D03 - 30" diameter full circle with single extrusion and one-piece lens.

CHIP & Co.

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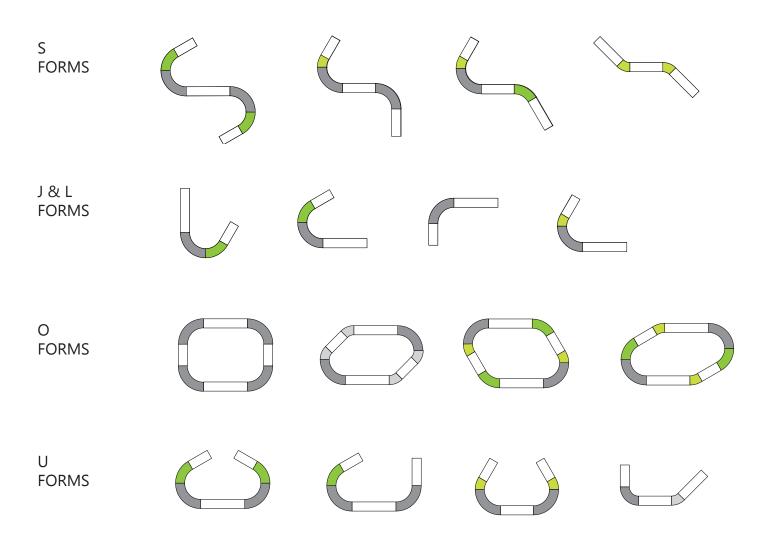
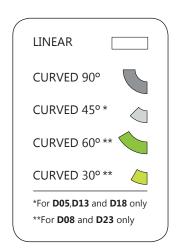Stunning and versatile, Sketch Pendant strikes a unique balance between form, function and flexibility.

2 3/4"

5"

Compact shallow housing with integral driver

Opposite: SurroundLite™ optics provide exceptional ceiling uniformity

Designing with Sketch Pendant

Sketch lets you join curved and straight segments in different ways to create a wide range of unique sinuous forms of uninterrupted light.

S
FORMS

J & L
FORMS

O
FORMS

U
FORMS

LINEAR

CURVED 90°

CURVED 45° *

CURVED 60° **

CURVED 30° **

*For **D05**,**D13** and **D18** only

For **D08 and **D23** only
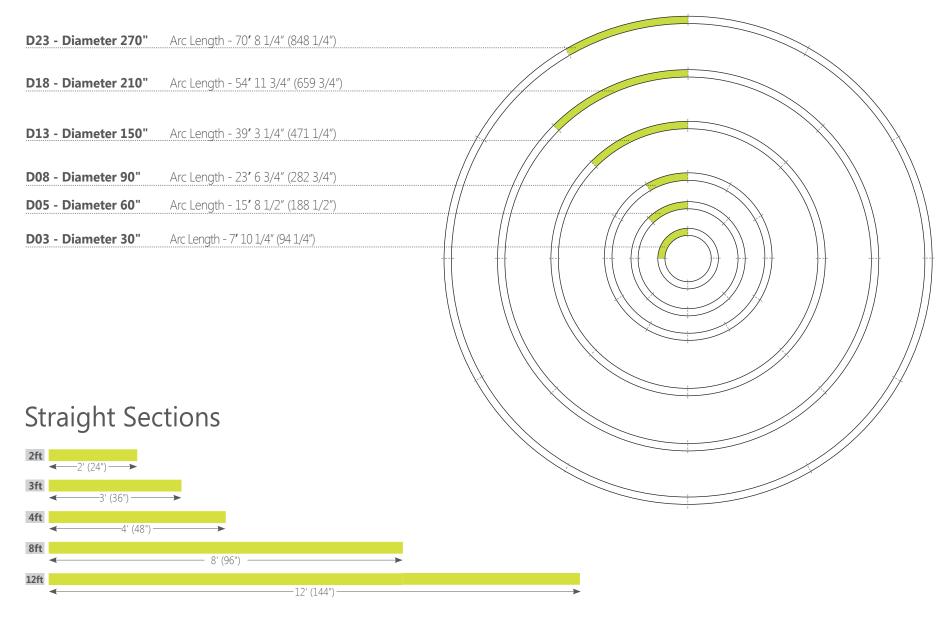
Sketch Pendant Segments

Curved Sections

D23 - Diameter 270"   Arc Length - 70′ 8 1/4″ (848 1/4″)

D18 - Diameter 210"   Arc Length - 54′ 11 3/4″ (659 3/4″)

D13 - Diameter 150"   Arc Length - 39′ 3 1/4″ (471 1/4″)

D08 - Diameter 90"   Arc Length - 23′ 6 3/4″ (282 3/4″)

D05 - Diameter 60"   Arc Length - 15′ 8 1/2″ (188 1/2″)

D03 - Diameter 30"   Arc Length - 7′ 10 1/4″ (94 1/4″)

Straight Sections

2ft   2' (24")

3ft   3' (36")

4ft   4' (48")

8ft   8' (96")

12ft   12' (144")

Sketch is also available in an easy-to-install recessed version. Visit axislighting.com for details.

Stencil

Ultra-Thin Traces of Light

Indirect powered
by SurroundLite™

2"

1"

11/16"
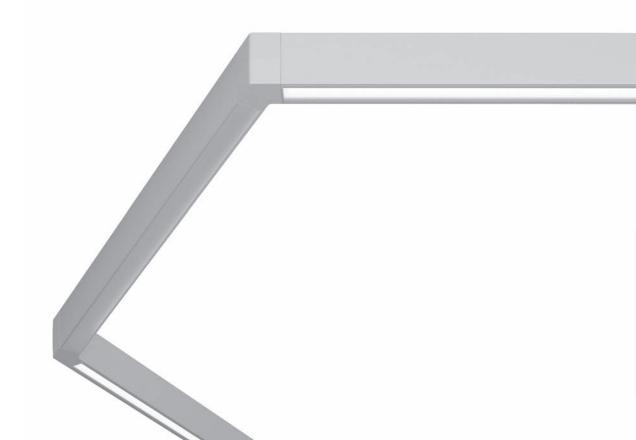
Patent-Pending Mini SurroundLite™

The lighting power of a fixture four times its size

An exclusive Axis innovation, Mini SurroundLite delivers a wide 3D distribution and balanced brightness, providing added design freedom and enabling the use of fewer and more widely spaced Stencil segments.

Also, Mini SurroundLite technology maintains lighting uniformity in a space when alternating between direct and indirect Stencil segments (using Hubs).

Alternating direct and indirect segments

Stencil segments: 4′
Average light levels: 37.5 fc
Max/Min: 2.72
Power density: 0.505 W/ft²
Room dimensions: 31′ x 80′ x 10′

Stencil Accents

☑ 450 lm nominal (4253 cd at 20°)

☑ 3000K

☑ 359° rotation, 90° tilt
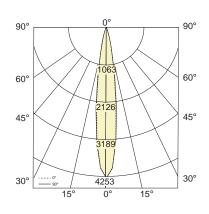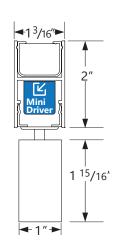
☑ Choice of 20° or 36° beam spreads

☑ Fully dimmable to 5% (integral 0-10V driver)

☑ Flexible accent spacing to meet specification requirements

☑ Compatible with Stencil indirect lighting segments and powered blank segments

☑ Can be located anywhere along the lighting segment
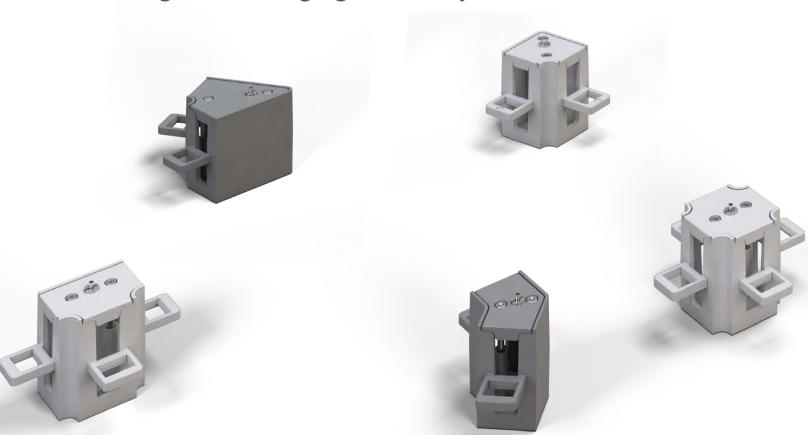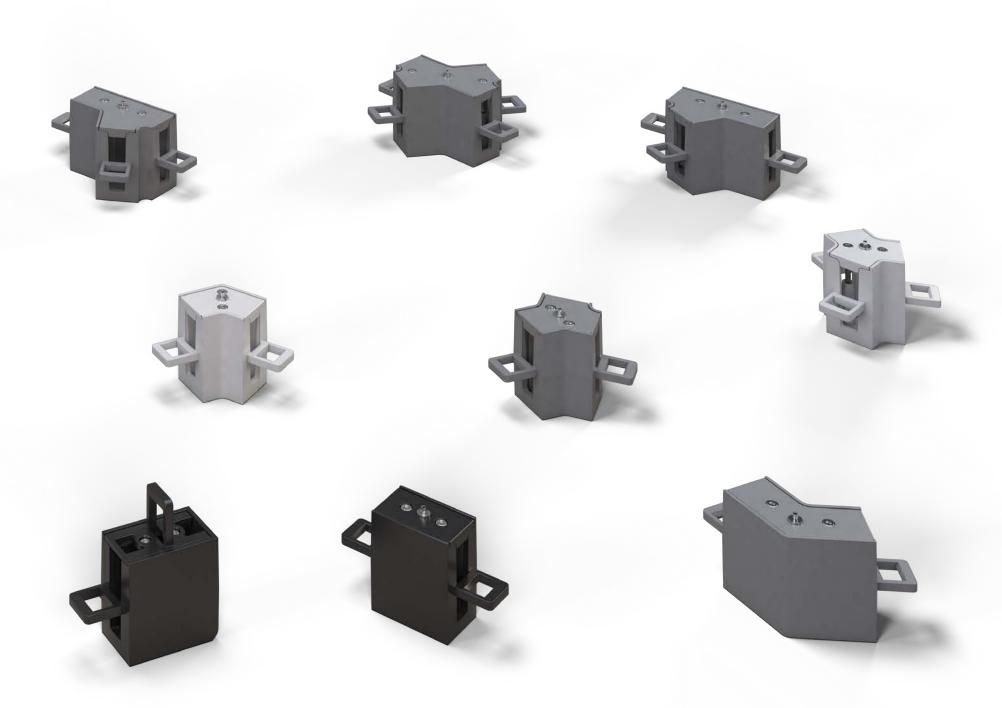
Stencil Hubs

☑ Die-cast patent-pending non-illuminated soft corner joiners.

☑ Combination of mechanical, electrical and suspension functions.

☑ Easy to install with single captive spring-loaded screw mechanism.

☑ Ideal for branching off to bring light where you need it.
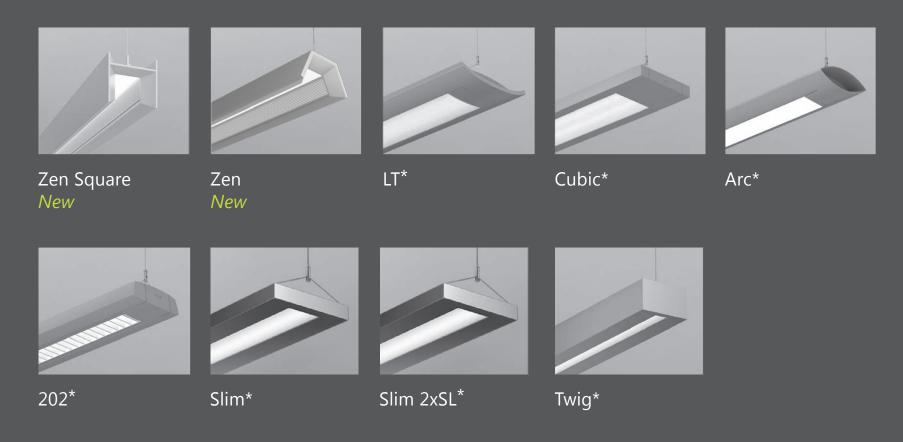
SurroundLite™ Architectural Systems

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
New

Zen
New

LT*

Cubic*

Arc*

202*

Slim*

Slim 2xSL*

Twig*
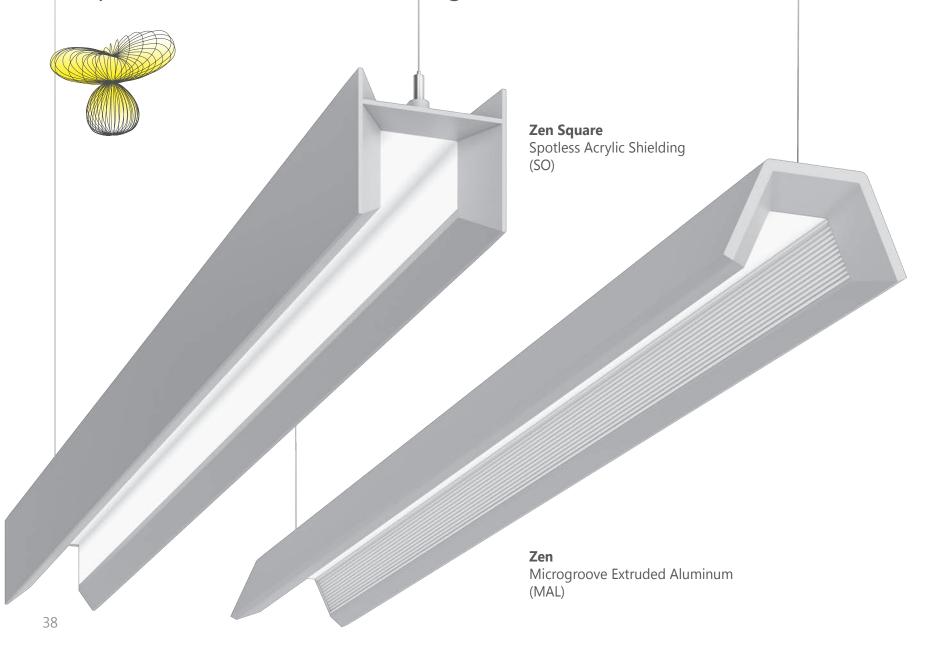
*See SurroundLite Collection for more details (pages 2-3)

SurroundLite
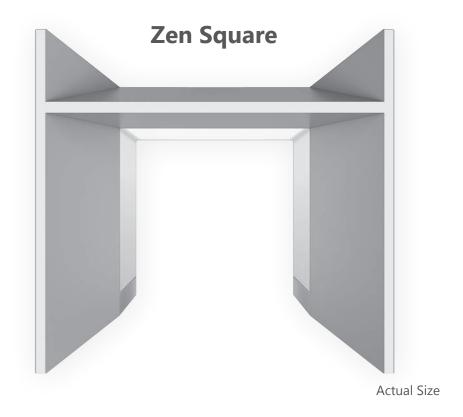
Architectural Systems

Zen

Compact Inverted-U Linear Downlight Pendant

Zen Square
Spotless Acrylic Shielding
(SO)

Zen
Microgroove Extruded Aluminum
(MAL)

Zen Square

Actual Size

with **Spotless Acrylic Shielding** (SO) shielding

Zen

Actual Size

with **Microgroove Extruded Aluminum** (MAL) shielding
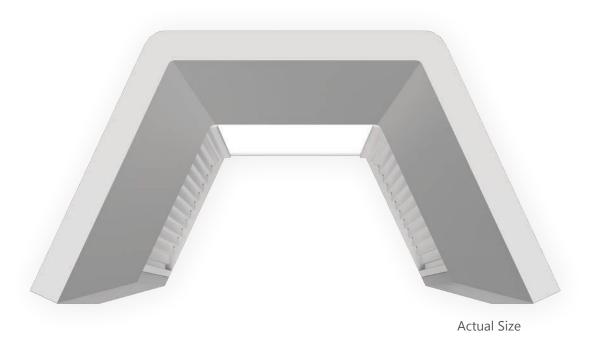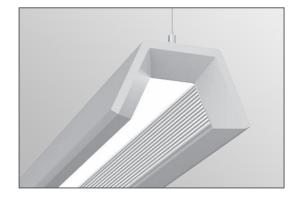
Zen

A sleek family of 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

Pendant
Surface
Recessed (Beam)

Zen Square
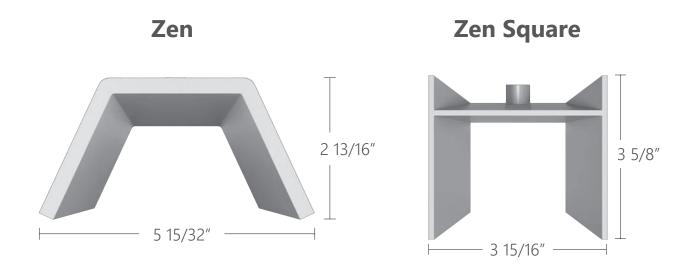
Pendant
Wall

Versatile and compact forms

Choose between two profiles to match various architectural interiors.

Zen

2 13/16"

5 15/32"

Zen Square

3 5/8"

3 15/16"

Integral LED Mini-Driver

[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.

Driver Location
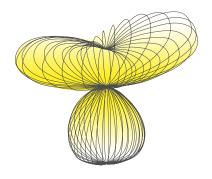
The SurroundLite™ story

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.
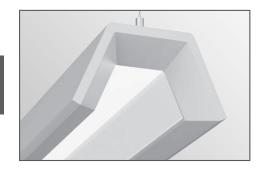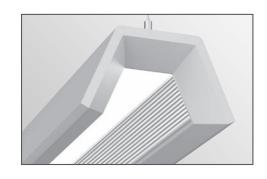
Innovative optics

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

Zen

Zen Square

One-piece acrylic lens with **Microgroove Side Spotless** (MSO) side shielding.

Microgroove Extruded Aluminum (MAL) side shielding with upper acrylic lens for a soft low brightness appearance.

Spotless Acrylic Shielding (SO) side shielding option provides a comfortable uniform glow of light. Only available with Zen Square.
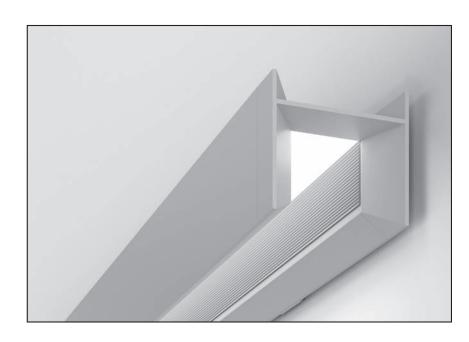
New levels of architectural integration

Zen Beam offers style-matched recessed lighting opportunities. High-efficacy downlighting elements disappear into the ceiling while providing excellent lighting design flexibility.

Zen surface luminaires are ideally suited for delivering high-quality visually comfortable light in areas with restricted plenums or no plenum access.
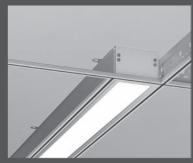
Zen Square is also available in wall mount.

Zen Beam Recessed

SurroundLite™ Linear Systems

Welcome to a new generation of linear lighting statements powered by SurroundLite technology.
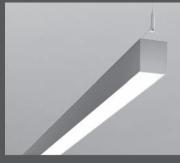
Linear Systems provide a good measure of visual comfort, uniformity and wide spacing. These linear luminaires feature new optical options that deliver even more flexibililty and architectural appeal.
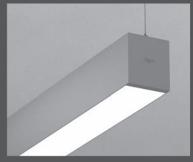

Beam 3 SurroundLite
Recessed
New

Twin Beam 2, 3
and 4 SurroundLite
New

Beam 2 Square
New

Beam 4 Pendant*

*See SurroundLite Collection for more details (pages 2-3)

SurroundLite
Linear Systems

Beam 3 SurroundLite™ Recessed

Visually Comfortable Shallow Linear Recessed

3"

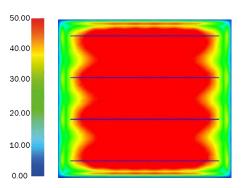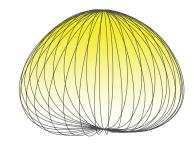2 5/16"

Opposite: Beam 3 SurroundLite Recessed
16' on center
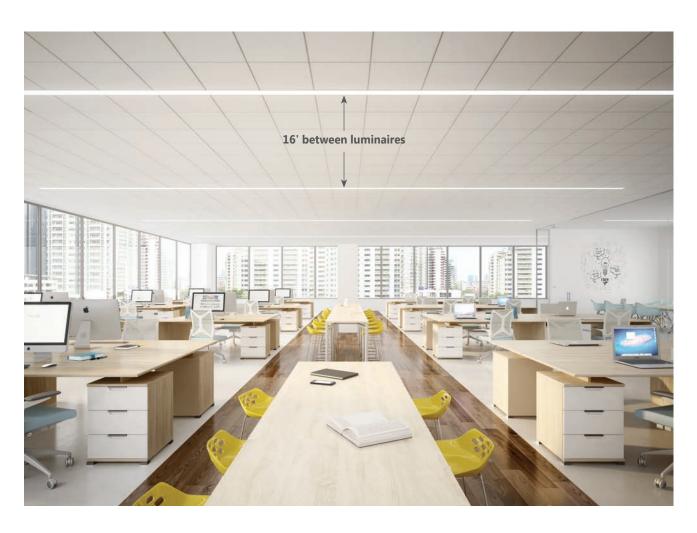
High-performance optics

Shallow (only 2.25" deep), recessed lighting with the power of SurroundLite™ provides wide luminaire spacing, lighting uniformity and supreme visual comfort.

16' between luminaires

Average light levels: 50 fc
Power density: 0.52 W/ft2
750 lm/ft, 16' on center
9.5' ceiling, Max/Min 2.88, Avg/Min 2.04

Seamless architectural integration

Designed for grid ceilings, Beam 3 SurroundLite Recessed features design elements to facilitate installation and provide an improved ceiling esthetic.
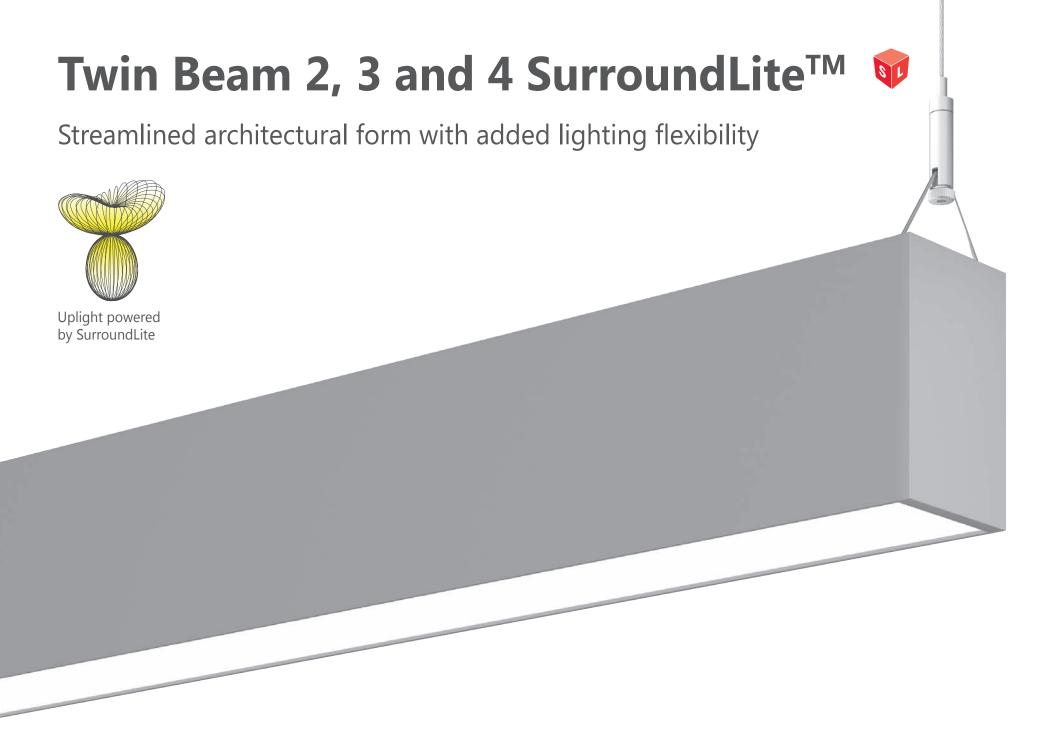
Continuous Roll-Out Lens

Create clean, seamless runs that are quicker to install with this quality press-in acrylic lens that will not crinkle or bow. Available in lengths of up to 48'.

InstaJoiner

Beam 3 SurroundLite Recessed features **InstaJoiner**, a unique patent-pending joining system developed by Axis offering fast, single-screw tightening. Full access from above is provided through two doors located where luminaires join.

Twin Beam 2, 3 and 4 SurroundLite™

Streamlined architectural form with added lighting flexibility

Uplight powered
by SurroundLite

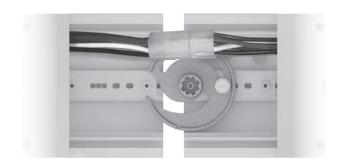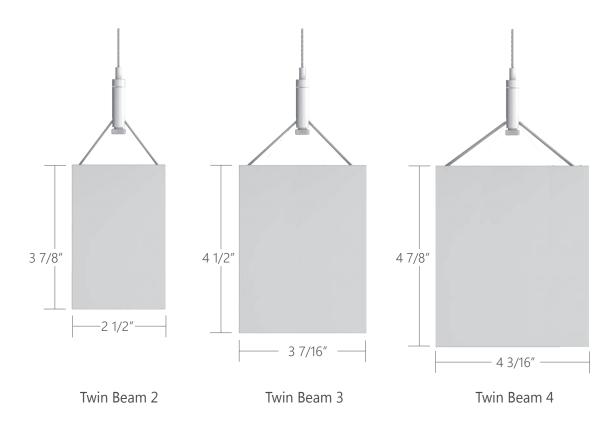Opposite: Twin Beam 2 SurroundLite Pendant with Glo lens

More lighting power in a trimmer package

Introducing the totally redesigned Twin Beam 2, 3 and 4 SurroundLite™.
A more compact form, greater optical versatility and SurroundLite technology
for maximum lighting effectiveness. Available as pendant or wall mount.

InstaJoiner

Twin Beam 2, 3 and 4 SurroundLite features
InstaJoiner, a unique patent-pending
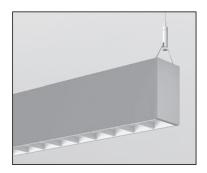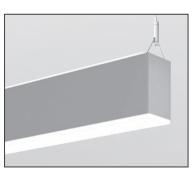joining system developed by Axis offering
fast, single-screw tightening.

3 7/8″

2 1/2″

Twin Beam 2

4 1/2″

3 7/16″

Twin Beam 3

4 7/8″

4 3/16″

Twin Beam 4

Greater optical versatility

Twin Beam 2, 3 and 4 SurroundLite™ offer a selection of indirect optics (SurroundLite, Glo Lens) and direct optics (Spotless Lens, Louver, Glo Lens) for use in a wide variety of applications.
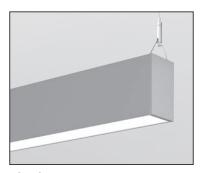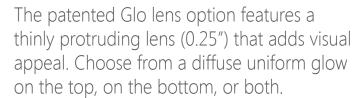
Shielding Options

Louver

Flush Lens

Glo Lens

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.

Distributions Options
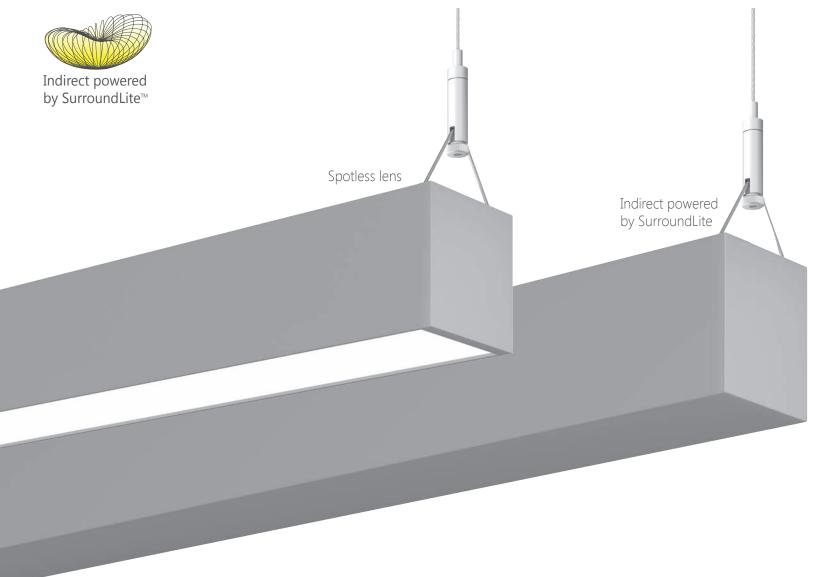
		Twin Beam 2	Twin Beam 3	Twin Beam 4
SHIELDING INDIRECT	SurroundLite SurroundLite Asy.	✓	✓	✓
	Glo Lens 0.25"	✓	✓	✓
	Spotless Lens	✓	✓	✓
	Glo Lens 0.25"	✓	✓	✓
	Louver	✓		
SHIELDING DIRECT	StepLens		1.25"	1.5"

Opposite: Twin Beam 2 SurroundLite with Glo Lens uplight and Louver downlight

Beam 2 Square

New Square Design with Added Lighting Functionality

Indirect powered
by SurroundLite™

Spotless lens

Indirect powered
by SurroundLite

Opposite: Beam 2 Square with Spotless lens

A bold, square design

This new addition to the Beam 2 family presents a highly esthetic, compact 2.5″ square form that features powerful, glare-free illumination well-suited to modern environments.
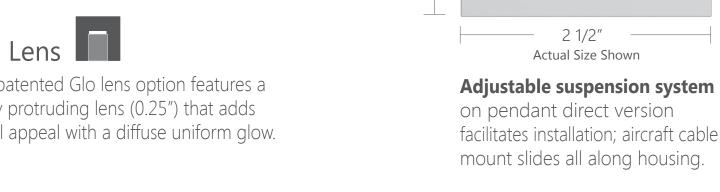
Shielding Options

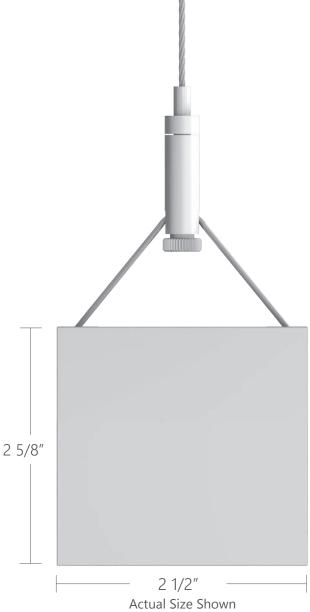**Flush Lens**

Louver

Indirect

Glo Lens

Glo Lens

The patented Glo lens option features a thinly protruding lens (0.25″) that adds visual appeal with a diffuse uniform glow.

2 5/8″

2 1/2″

Actual Size Shown

Adjustable suspension system on pendant direct version facilitates installation; aircraft cable mount slides all along housing.
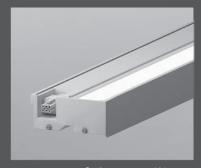
SurroundLite™ Cove Systems

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.
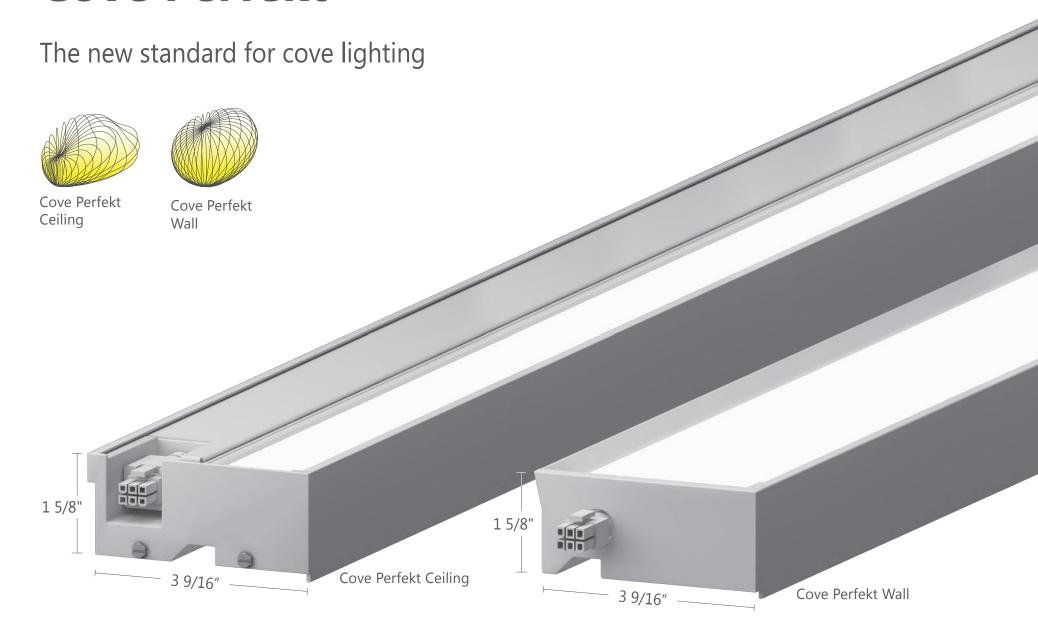
Cove Perfekt - Ceiling   Cove Perfekt - Wall

SurroundLite

Cove Systems

Cove Perfekt

The new standard for cove lighting

Cove Perfekt
Ceiling

Cove Perfekt
Wall

1 5/8"

3 9/16"

Cove Perfekt Ceiling

1 5/8"

3 9/16"

Cove Perfekt Wall

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 SurroundLite™ 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.**

Easy Installation

Telescoping Cable for Easy Installation   T - End Power Feed
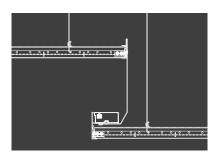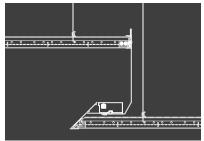
Cove Perfekt & Armstrong Axiom Cove: The Perfect Partnership

Up to 90% less labor to install coves with easy onsite trade coordination, luminaires positioned at the very front of the cove to maximize efficiency and a keyed system to ensure proper mounting of luminaires.
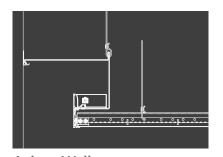
Axiom cove ordered separately. Cove Perfekt by Axis may also be used in other cove installations. To order an Axiom Indirect Cove, contact your local Armstrong sales representative or call 1-877-276-7876. armstrong.com/axiomlightcoves
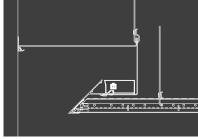
Axiom Ceiling

Classic Profile

Axiom Ceiling

Knife Edge® Profile

Axiom Wall

Classic Profile

Axiom Wall

Knife Edge® Profile

Armstrong®

CEILING SYSTEMS

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.

axis

Architectural Lighting. Your Way.