

PERSPECTIVES 2

Architectural Lighting Innovations

Sculpt / Sculpt Accent / StepLens / SkyePool and SkyeScape



axis

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.

*“Architecture is the masterly, correct
and magnificent play of masses
brought together in light.”*

– Le Corbusier

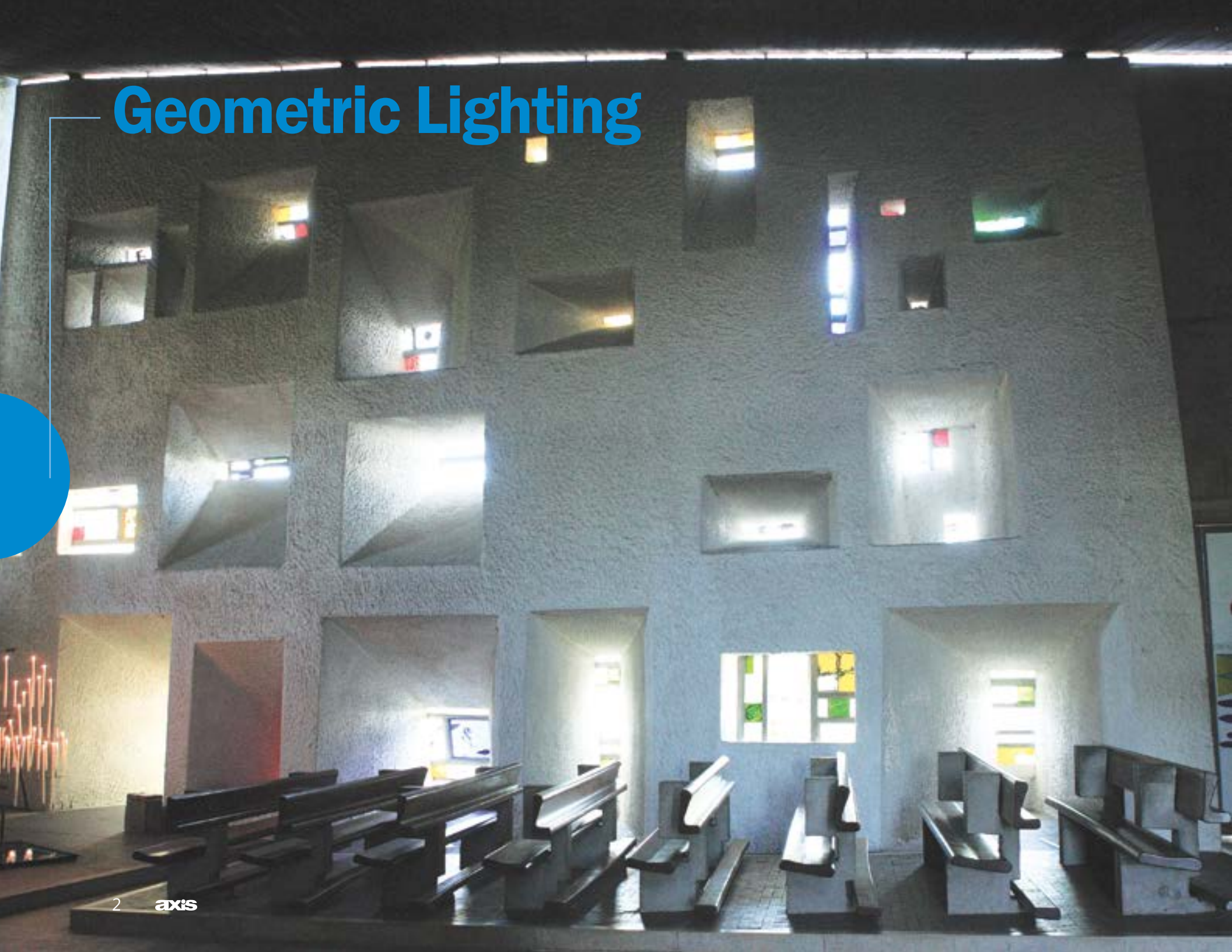
Lighting is one of the preferred methods of bringing elements together in a space. It instills harmony among forms, surfaces and textures, focusing attention on essential components of the interior design.

To help you work with light in fascinating new ways, Axis has developed a next-generation design model that redefines the ceiling line – **Geometric Lighting** – and an exceptionally flexible illumination system – **Sculpt** – that together create a level of freedom never before seen.

This edition of **Perspectives** gives center stage to the creative opportunities, aesthetic coherence and innovative appeal of a brand new approach to ceiling lighting design.

Geometric Lighting	2
Sculpt	12
Sculpt Accent	22
SkyePool™	32
SkyeScape 4x4	34
Luminaire Guide & Overview	36

Geometric Lighting



Innovation Inspired by Le Corbusier

More Design Freedom

Geometric Lighting is an exclusive Axis innovation that uses timeless forms to create an infinite number of lighting configurations.



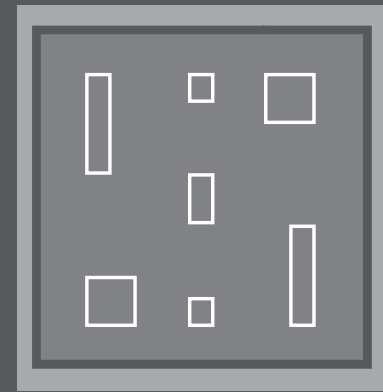
Geometric Lighting



Planes of Light



Lines of Light



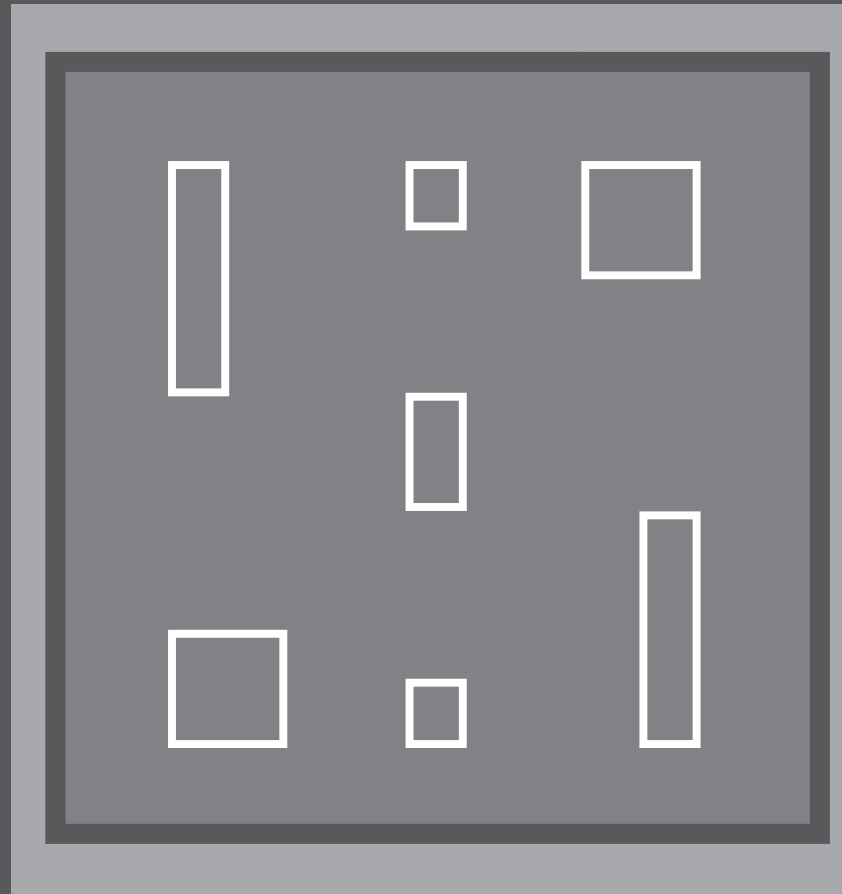
Geometric Lighting

An Evolution in Ceiling Lighting Design

Simple is Sophisticated

Geometric Lighting
builds on traces of light
to provide freedom from
traditional illuminated
ceiling footprints.

Geometric Lighting



A Cleaner Look. A Smaller Footprint.

Single T-Bar Installation

Geometric Lighting features patent-pending technology that generates negative space in a standard ceiling grid, without adding T-bars.

Geometric Lighting



Recessed mounting on drywall ceiling



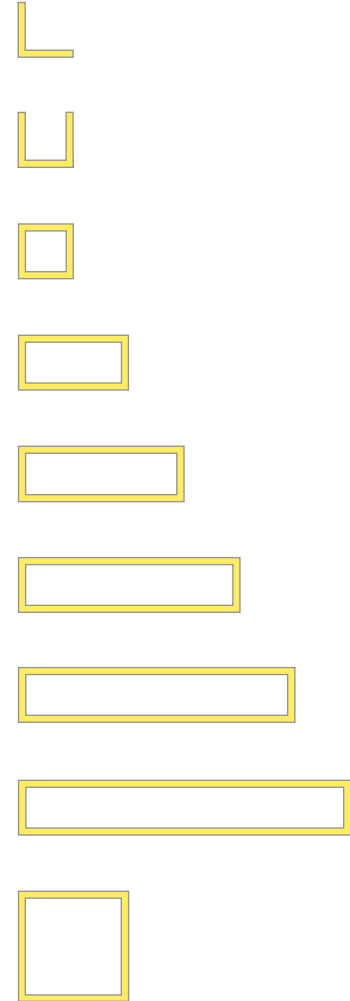
Pendant mounting

The Ceiling is Your Canvas.

Drag and Drop Design

Geometric Lighting lets you choose from a palette of ceiling kits to create simple, never-before-seen patterns.

Palette



Geometric Lighting



LUMEN OUTPUT



UL LISTING



VISUAL COMFORT



EASY INSTALLATION



CONTROLS READY



COMPETITIVE COST

Everything You Expect and More

No Performance Trade-Offs

Geometric Lighting offers comparable features, plus more space for all ceiling systems and easy coordination with trades.

Sculpt

Introducing Sculpt, a new architectural LED illumination system featuring linear forms and an exclusive palette of Geometric Lighting ceiling kits.



Recessed



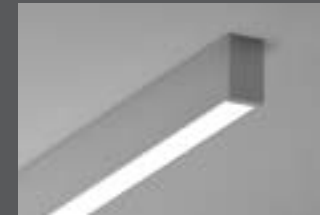
Recessed Vertical



Direct/Indirect Pendant*



Direct Pendant



Surface

1.5"
SCULPT

LINEAR

*Choice of one driver controlling the luminaire or two drivers enabling separate control of uplight and downlight components.

An Exclusive Palette of Geometric Lighting Ceiling Kits RECESSED • PENDANT • SURFACE



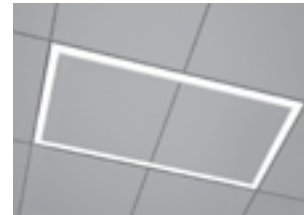
L
2'



U
2'



Squares
2'x2', 4'x4'



Rectangles
2'x4', 2'x6', 2'x8', 2'x10', 2'x12'

Breakthrough Lighting Design

No other 1.5" luminaire can do what Sculpt Geometric Lighting can do. To create your own kit, contact your Axis representative.

Unique Recessed Forms



2'x6'



4'x4'

Sculpt – Exclusive Features

Flexible

Rethink ceiling grid illumination... Geometric Lighting with Sculpt expands your ceiling design horizons beyond the traditional 2x2 and 2x4 footprints. Also, ceiling kits eliminate the need for complex shop drawings.

Minimalist

Sculpt's streamlined look is ideal for creating rhythm and movement in a space. Also, ceiling kits feature a small footprint that provides added space for sprinklers, speakers, vents and other ceiling system components.

Comfortable

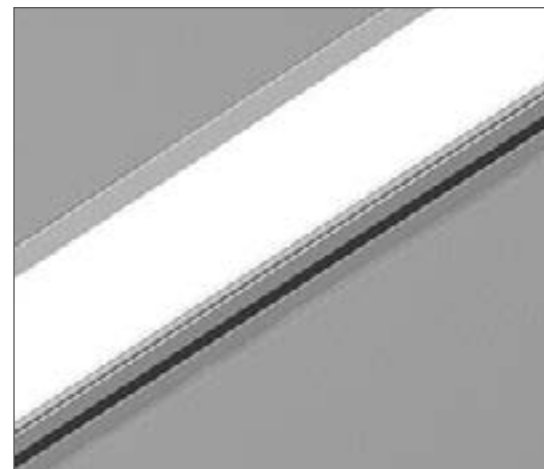
Visual comfort is never compromised, as Sculpt features controlled luminance starting at 300 lm/ft. When more light is required, simply add more light forms or lines to the pattern.

- Choice of preset standard lengths (2' to 12'), custom runs and easy-to-specify, UL-listed ceiling kits on page 13 (consult your Axis representative for other dimensions).
- Choice of 80 or 90 CRI
- Think metric – Different metric lengths and ceiling kits available.
- Illuminated corners with aesthetic hairline joints ensure visual appeal.
- Integrated driver and emergency battery pack.
- The Integrated MiniFlange adds to ceiling aesthetics by enabling the use of a single T-bar.
- The T-Aligner™ is uniquely designed to align T-bars and stabilize grids (see page 15).
- New and improved method of providing multi-level lighting (see page 16).
- StepLens option, a lensing alternative that adds depth and dimension (see page 18).

Integrated MiniFlange (patent pending)

When installed along T-bars in acoustic ceilings, the Integrated MiniFlange supports adjacent ceiling tiles. At the same time, it **eliminates the need for a second T-bar**. This feature comes standard on Sculpt Recessed.

- Fewer materials needed and less labor.
- Conceals ceiling tile outline for a cleaner appearance.
- Simplifies drawings and trade coordination.
- Available in different T-bar profiles.

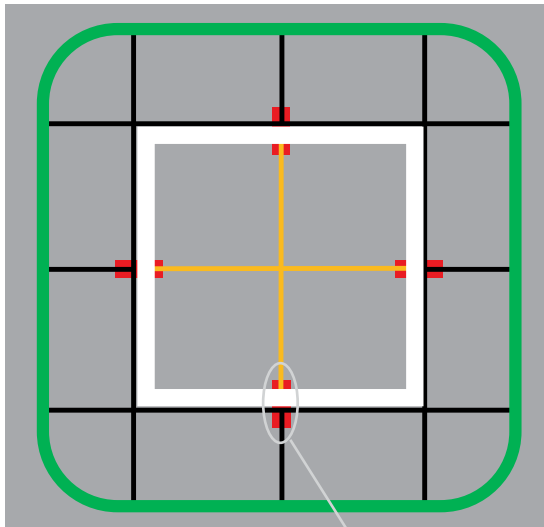


Single T-bar installation of recessed luminaires is only available using an Integrated MiniFlange.

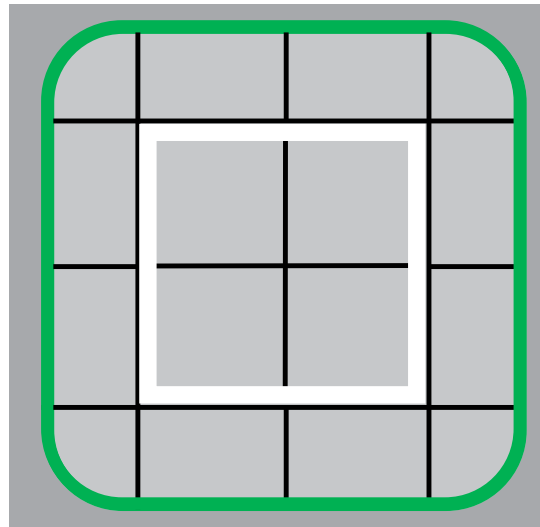
The T-Aligner™ (patent pending)

Maintain ceiling Integrity with the T-Aligner. An industry first, the T-Aligner features self-supporting hardware that connects and stabilizes cut T-bars. Its exclusive design offers a foolproof solution for aligning T-bars on either side of a Sculpt luminaire or ceiling kit.

- No need to specify... The T-Aligner comes with Sculpt recessed luminaires when needed.
- Compatible with all T-bar profiles including slot and Tegular (9/16" and 15/16").



View from above ceiling



View from below ceiling

● T-Aligners are installed where T-bars intersect the luminaire or ceiling kit.

Sculpt – Lighting Control

Increase Control. Create Wow. Save Watts.

The increased lighting control afforded by Sculpt LED systems is a far cry from the days of bi-level switching with fluorescents. Continuous dimming, standard on Sculpt, is just the beginning. You can control lighting for Sculpt linear configurations and Geometric Lighting ceiling kits in so many more ways, and enjoy new levels of design freedom.

Multiple drivers and sensors (daylight and/or occupancy) can be used to create different layers of light to put light where you need it, when you need it. Discover the aesthetic, practical and energy-smart side to Sculpt's innovative lighting control capabilities.



The two same sides in a pattern of Sculpt 4x4 light forms can be controlled together. Alternatively, the two other sides can be controlled together.

Low-Energy Lighting

Use blank sections on larger size Geometric Lighting ceiling kits to reduce lighting power density and better meet Title 24 and other energy code requirements.



Optional blank sections maintain an integrated flush look with reduced lighting power density. Blanks are suited to Sculpt recessed, pendant and surface versions.

Control Direct/Indirect Sculpt Pendant components together or separately: Together using a single driver or separately with the use of two drivers (minimum 4-foot lengths), as exemplified in the classroom shown on opposite page. ►

◀ **Turn on parts or sides of Geometric Lighting ceiling kits** when you need them (using daylight and/or motion sensors, and the appropriate number of drivers). This is another way Geometric Lighting opens up design opportunities.

Implement energy-efficient emergency lighting by circuiting only portions of ceiling kit light forms for egress pathways on emergency circuits. This type of emergency lighting configuration extends generator capacity and maintains a uniformly illuminated path of egress.



Layered Lighting

Create patterns and/or paths by controlling parts or sections of Geometric Lighting ceiling kits separately.

Provide multi-level lighting while decluttering the ceiling without compromising balance or order.

Improve lighting effectiveness by designing off the ceiling grid and placing light where you need it.

Enjoy maximum flexibility by designing applications for open collaborative spaces, multi-use spaces and retail outlets.

In this classroom, Sculpt linear pendants can be set up so that the front of the class is controlled separately for whiteboard presentations, the sides controlled through daylight sensors to take into account abundant natural light from the windows and the entire pattern can have a separately controlled uplight component to maximize use of the space.

Sculpt StepLens Option

Adding a New Dimension

StepLens features an elegant balance of forms and a soft voluminous glow. Available with all Sculpt lighting systems, including Geometric Lighting ceiling kits, and a selection of Beam Recessed luminaires (see page 26).

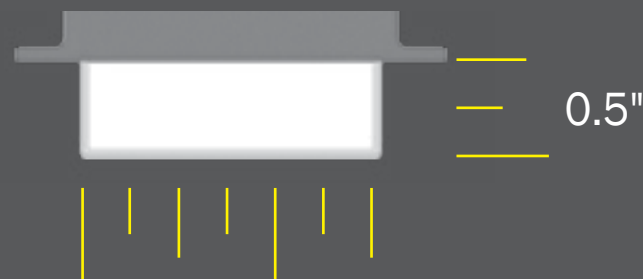


StepLens

An Evolution in Lensing

At Axis, we are taking a new look at how we can innovate with reliable quality materials. StepLens offers novel lighting functionality by using an acrylic material (SO – Spotless) in a new form factor. This creates a diffuse uniform glow in a new dimension. Various profiles add and extend luminance onto adjacent surfaces and ceiling tiles for a balanced glow on the ceiling plane. StepLens can also add visual interest by offering a choice of luminous and opaque end caps, as seen on opposite page.

SCULPT



1.5"

SHOWN ACTUAL SIZE

Features

- Defined edges and clean seams for a quality finish and a sharp look.
- Hairline joints – Precision-cut lensing material eliminates light leaks along continuous runs and at corners.
- Choice of luminous or opaque end caps
- Continuous lens extrusions up to 12'
- Compatible with Sculpt recessed, surface and pendant luminaires, as well as all Geometric Lighting ceiling kits (see page 13)
- TruSize measurements – Indicated lens width and height are actual sizes, not approximations.
- Think metric – Different metric lengths available.

Applications

- For added visual appeal along the ceiling line.
- Increased visual comfort through added luminance to adjacent tiles.
- Distinctive light paths in the ceiling that subtly direct traffic and/or indicate points of entry.
- Continuous runs with alternating sections of flush, 0.5" and 2" StepLens.

Choice of End Caps



Luminous End Cap



Opaque End Cap

Hairline Joints Every 12'



Continuous Runs



Illuminated Corners



Reinvent ceiling aesthetics using Sculpt's built-in flexibility. Create original illuminated ceiling designs by inserting thin lines-of-light, patterns of light or a combination of the two that cut through ceilings, whether drywall or suspended.



Sculpt is well suited for creating innovative pendant configurations. In this modern conference room, pendant forms are fitted with Downlight Inserts (see below) that expand the possibilities of Sculpt as a lighting system. These versatile LED accent lights are easily pulled down to deliver full-range aiming. Sculpt is also used here to provide recessed perimeter lighting that highlights the vertical plane and helps open up the space.

Sculpt Accent

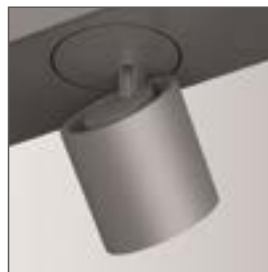
Introducing Sculpt Accent Adjustable Mini Accents



Semi-Recessed



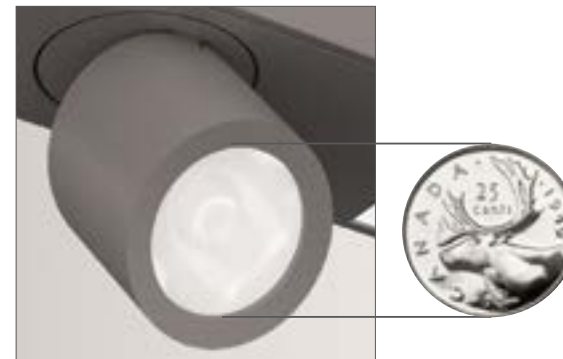
Extended



Pivoted

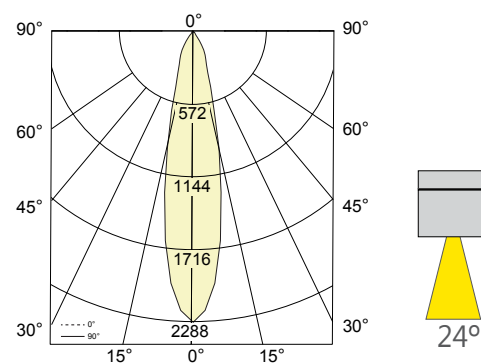
Actual size: 1 1/4"

The Accent aperture is the size of a quarter.



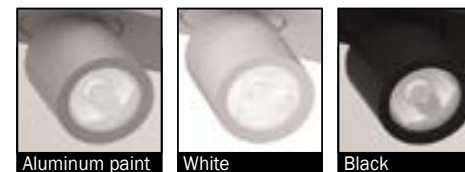
Photometric Curve

Fixed LED 1-1/4" diameter 560lm



Accent Performance	
Output	500 lm nominal
Wattage	7.5W
Efficacy	Up to 75 lm/W
CBCP	2287 cd @ 24°, 796 cd @ 36°, 446 cd @ 60°
CCT	3000K
CRI	80
Life	50,000 hours L70
Dimming	0-10V to 10%

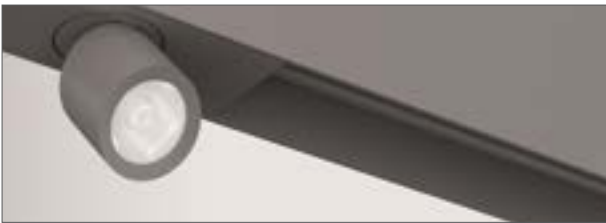
Finishes



Design With Ease

Accent provides easy-to-specify lighting tools.

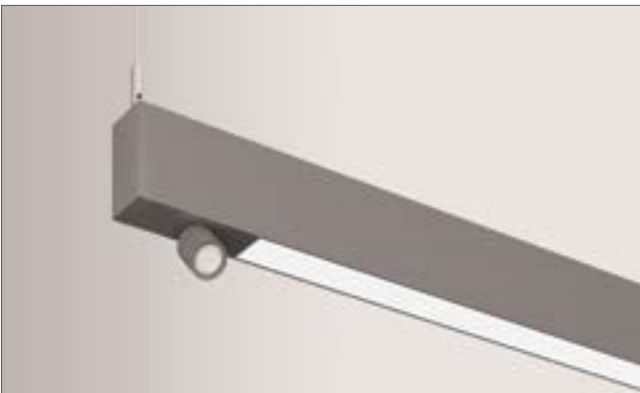
- Enjoy lighting design freedom through a broad range of Accent luminaire configurations.
- Stand-alone Accent luminaires.
- Option of Sculpt linear lens modules and Sculpt ceiling kits.



Available with or without channel cover

Innovation to support design symmetry.

- Exclusive, patent-pending end-mount innovation and mini driver technology allow the positioning of Accent at the end of runs or in the corner of geometric forms.



Integrated with Sculpt linear - direct lens pendant

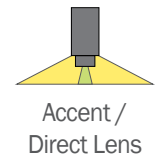
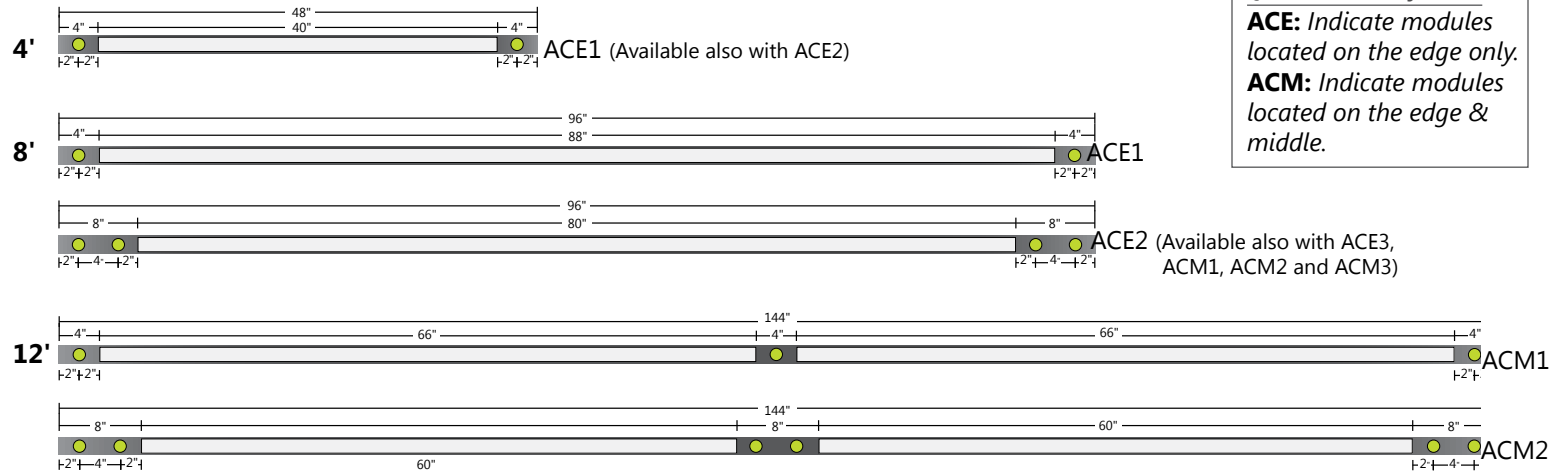


Stand-alone Accent luminaires
Integrated with Sculpt 2'x2' kit pendant

Design With Ease

A range of premade combinations to meet various design needs.

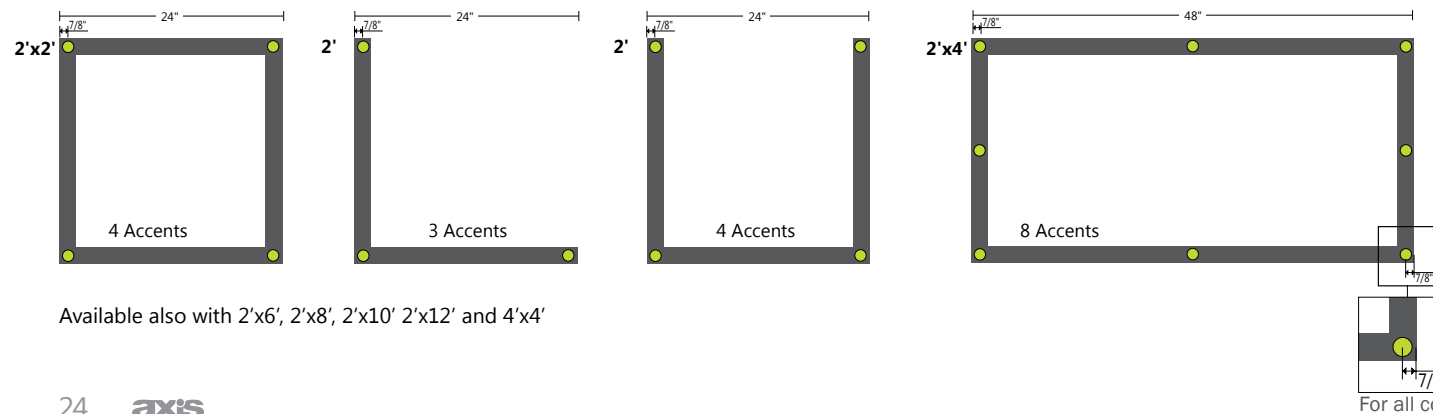
Linear



See specification sheets for full Accent configurations

(Available also with ACE1, ACE2, ACE3 and ACM3)

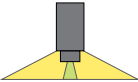
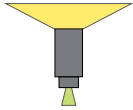



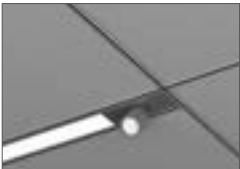
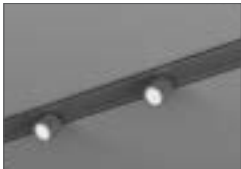











Geometric



Geometric Lighting
 Ceiling Kits
 Accent only &
 Accent / Indirect Lens

Available also with 2'x6', 2'x8', 2'x10' 2'x12' and 4'x4'

Luminaire Overview

	 Accent / Direct Lens	 Accent / Indirect Lens	 Accent Only	 Geometric Lighting Ceiling Kits Accent / Direct Lens	 Geometric Lighting Ceiling Kits Accent only & Accent / Indirect Lens
Recessed			 *		
Pendant			 *		
Surface			 *		

Please consult your Axis representative for Sculpt Direct and Indirect with Accent options.

*Available with or without channel cover

NEW PRODUCTS



Direct flow and suggest pathways while meeting light level requirements. Sculpt provides wayfinding opportunities by combining recessed and recessed vertical lighting designs.



LIGHTING THE WAY

Sculpt gives you the design flexibility you have been waiting for by framing a space or suggesting circulation flow. The Sculpt lighting system is well suited for creating ceiling patterns, including visually pleasing wayfinding and lines-of-light. It's time to think outside the grid and redefine the use of ceiling lighting.

NEW PRODUCTS



Go beyond the flush look... Play with different lensing heights. Design Sculpt pendant and linear concepts to emphasize traffic flow or simply add flair.

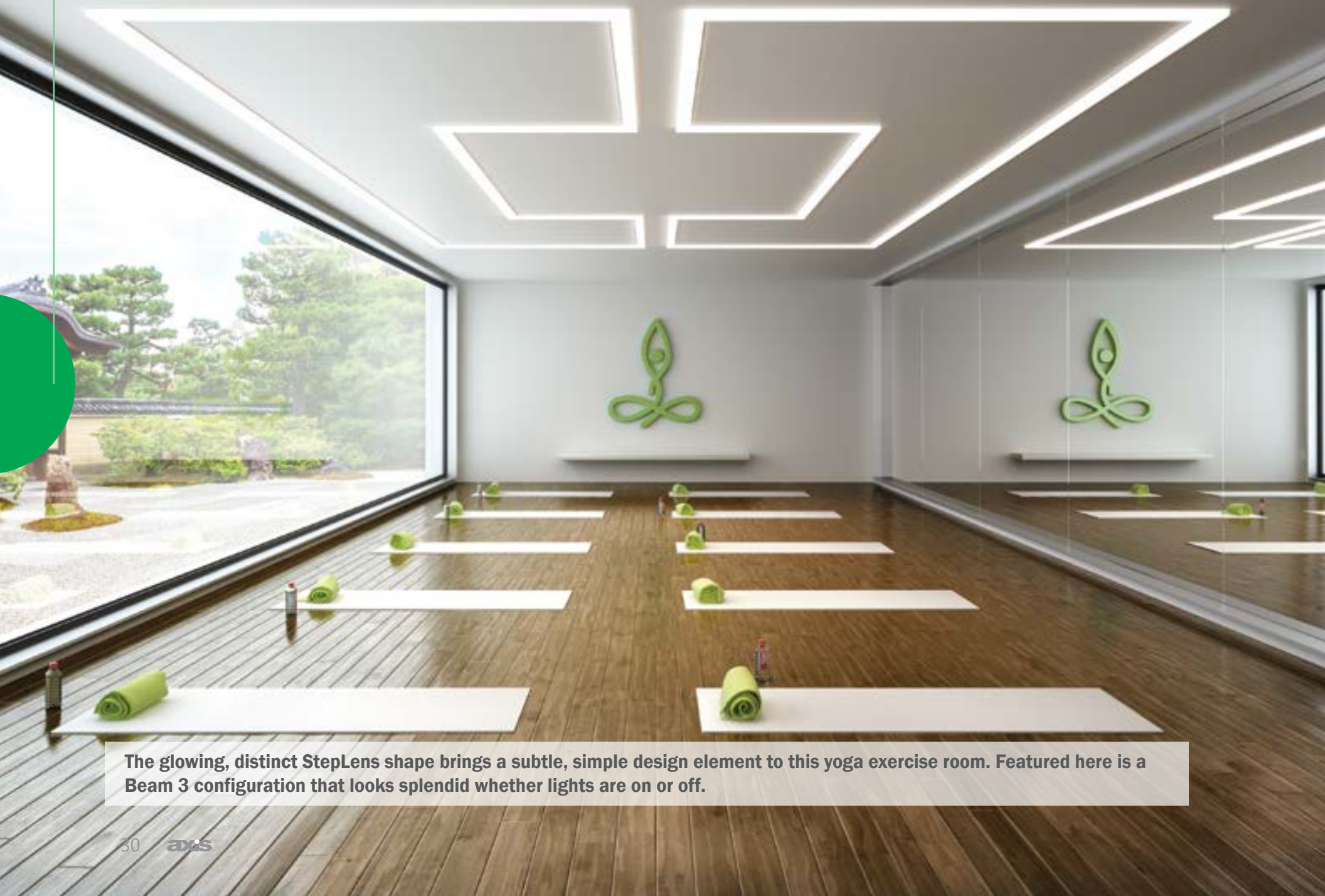


STEPPING UP APPEAL

Sculpt pendants shown here feature the 2" StepLens with lower lumen packages for more controlled luminance. This lighting design balances nicely with the clean lines of the corporate reception desk and surrounding lobby area. Sculpt is also used here in a recessed perimeter layout to highlight artwork in the background.

NEW PRODUCTS

Beam StepLens Option



The glowing, distinct StepLens shape brings a subtle, simple design element to this yoga exercise room. Featured here is a Beam 3 configuration that looks splendid whether lights are on or off.

BEAM



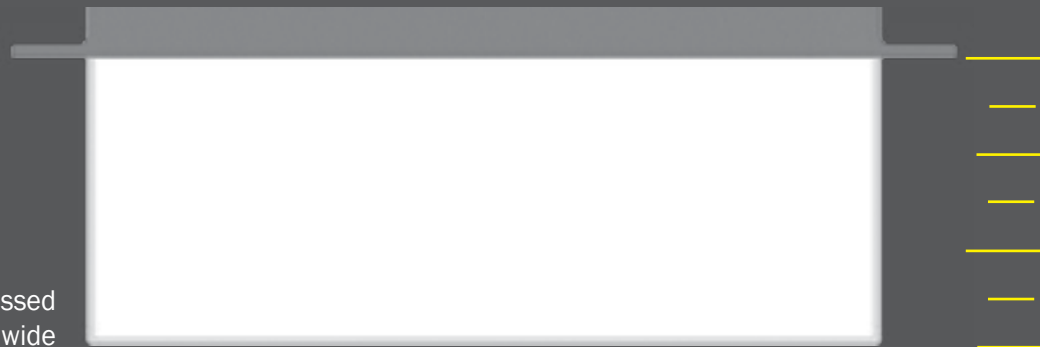
StepLens

Beam 6 Recessed
5" wide



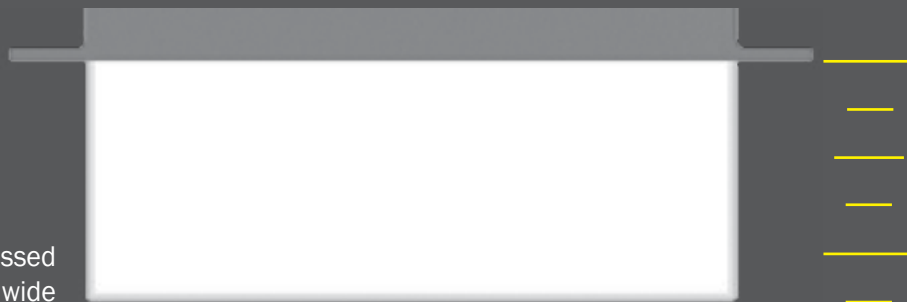
2"

Beam 4 Recessed
4.125" wide



1.5"

Beam 3 Recessed
3.375" wide



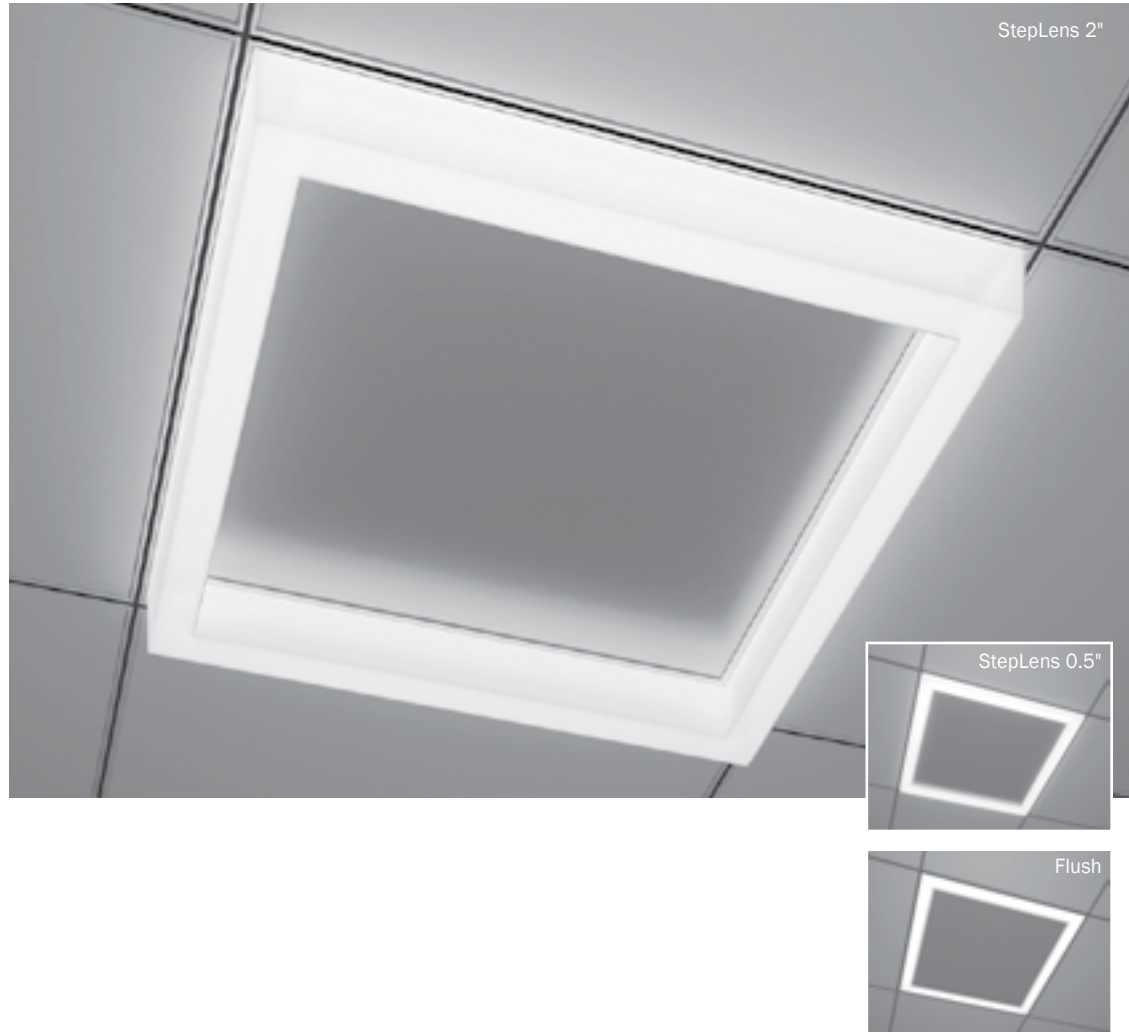
1.25"

SHOWN
ACTUAL
SIZE

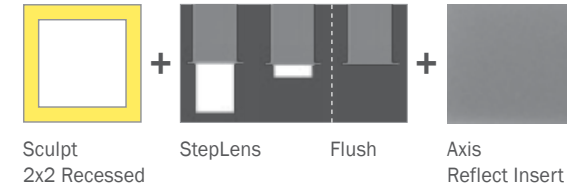
NEW PRODUCTS

SkyePool™





SkyePool™ Three lighting elements in one



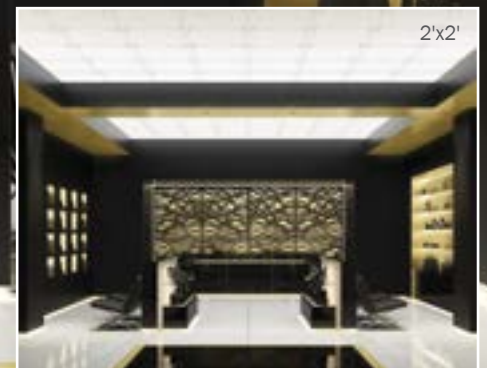
Introducing SkyePool, a new addition to the Skye Line of luminaires that offers an exciting alternative to traditional 2x2 troffers. SkyePool features an aesthetic, balanced play of materials and volumes. Its exclusive patent-pending design uses an innovative Axis Reflect Insert with special lighting properties.

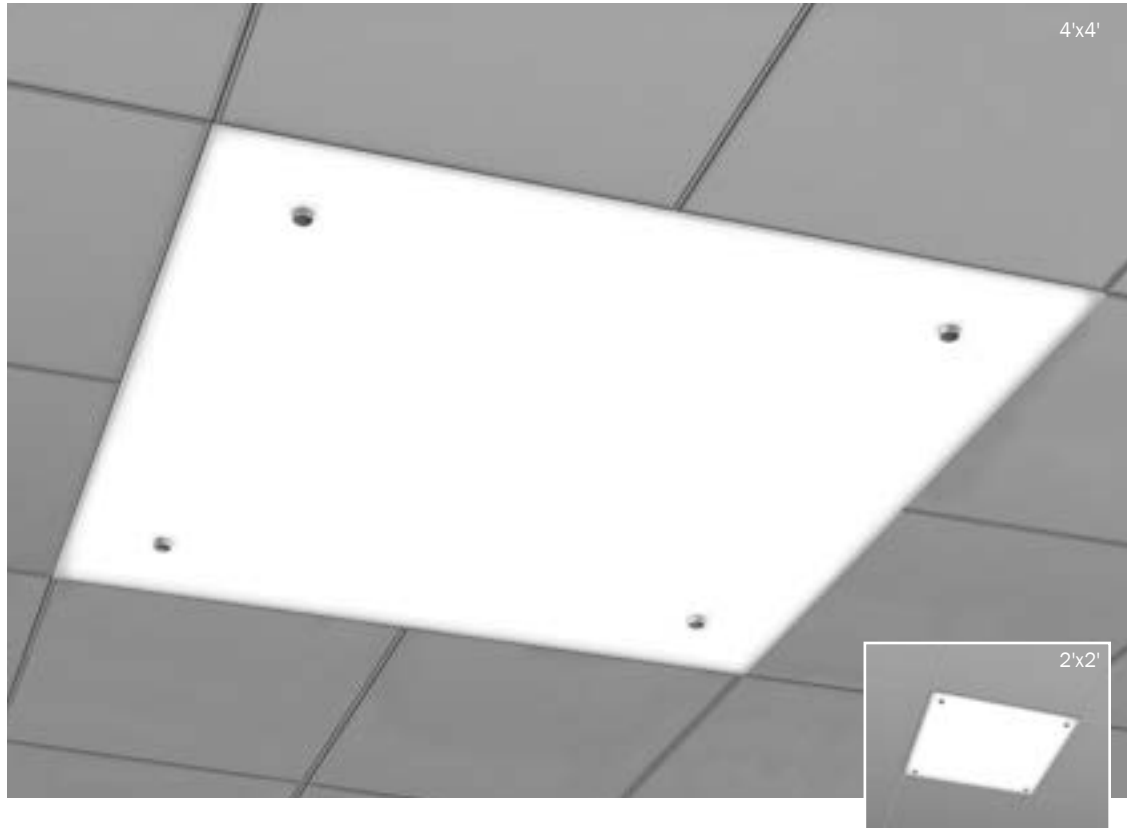
- Choice of Flush or StepLens (0.5" or 2").
- Choice of 80 or 90 CRI
- Perceived luminance varies from low (Flush) to high (StepLens 2").
- Diffuse qualities produce a soft, uniform glow while reflective qualities create depth.

NEW PRODUCTS

SKYPEPOOL LED RECESSED										
1 PRODUCT ID		2 SIZE		3 TOTAL NOM. LUMENS		4 COLOR TEMP.		5 SHIELDING		
SKPLED	recessed led	22	2'x2'	2400	2400 lm	30	3000 K	FL	flush	
				3200	3200 lm	35	3500 K	0.5	0.5" StepLens	
				4000	4000 lm	40	4000 K	2	2" StepLens	
								+BL(#)	Blank (flush option only)	

SkyeScape 4x4





SkyeScape

An affordable way to create signature luminous ceilings

SkyeScape 4x4, a new addition to the visually appealing SkyeScape offering, is well suited to large-scale interiors. With their minimalist square form, flush appearance and uniformly lit acrylic diffuser, SkyeScape 2x2 and 4x4 provide low-cost solutions for creating attractive, dimmable luminous glass ceilings and stunning ambient lighting in high-ceiling spaces.

- Daylight-inspired illumination ensuring superior visual comfort.
- Shallow housing only 3.5" deep.
- Decorative fasteners made of brushed aluminum.
- Clean appearance when installed side-by-side, fully concealing T-bars.
- Choice of remote sensors.

SKYSCAPE LED RECESSED											
1 PRODUCT ID		2 SIZE		3 TOTAL NOM. LUMENS		4 COLOR TEMP.		5 SHIELDING		6 SHIELDING POSITION	
SKSLED	recessed led	44	4'x4'	4800	4800 lm	30	3000 K	GL	GL Optics	FL	Flush
				8000	8000 lm	35	3500 K				
				10000	10000 lm	40	4000 K				
				12000	12000 lm						
SKSLED	recessed led	22	2'x2'	600	600 lm	30	3000 K	GL	GL Optics	FL	Flush
				1200	1200 lm	35	3500 K				
				2400	2400 lm	40	4000 K				
				3200	3200 lm						
				4500	4500 lm						

Luminaire Guide

SCULPT LED RECESSED

1 PRODUCT ID	2 LUMENS/FT	3 COLOR TEMP.	4 SHIELDING	5 LINEAR LENGTH or CEILING KIT (select one)
SCR recessed	300 300 lm/ft	30 3000 K	FL flush	2 2' L L shape 2'
	400 400 lm/ft	35 3500 K	0.5M 0.5" StepLens, lum. end cap	3 3' U U shape 2'
	500 500 lm/ft	40 4000 K	0.5P 0.5" StepLens, opaque end cap 2M 2" StepLens, lum. end cap 2P 2" StepLens, opaque end cap +BL(#) Blank (flush option only)	4 4' 2x2 2'x2' 5 5' 2x4 2'x4' 8 8' 2x6 2'x6' 12 12' 2x8 2'x8' S# System Run 2x10 2'x10'
				2x12 2'x12' 4x4 4'x4' K# other kits

SCULPT LED RECESSED VERTICAL

1 PRODUCT ID	2 LUMENS/FT	3 COLOR TEMP.	4 SHIELDING	5 LINEAR LENGTH
SCRV recessed vertical	300 300 lm/ft	30 3000 K	FL flush	2 2'
	400 400 lm/ft	35 3500 K	+BL(#) Blank (flush option only)	3 3'
	500 500 lm/ft	40 4000 K		4 4' 5 5' 8 8' 12 12' S# System Run

SCULPT LED DIRECT PENDANT

1 PRODUCT ID	2 LUMENS/FT	3 COLOR TEMP.	4 SHIELDING	5 LINEAR LENGTH or CEILING KIT (select one)
SCD pendant direct	300 300 lm/ft	30 3000 K	FL flush	2 2' L L shape 2'
	400 400 lm/ft	35 3500 K	0.5M 0.5" StepLens, lum. end cap	3 3' U U shape 2'
	500 500 lm/ft	40 4000 K	0.5P 0.5" StepLens, opaque end cap 2M 2" StepLens, lum. end cap 2P 2" StepLens, opaque end cap +BL(#) Blank (flush option only)	4 4' 2x2 2'x2' 5 5' 2x4 2'x4' 8 8' 2x6 2'x6' 12 12' 2x8 2'x8' S# System Run 2x10 2'x10'
				2x12 2'x12' 4x4 4'x4' K# other kits

SCULPT LED DIRECT / INDIRECT PENDANT

1 PRODUCT ID	2 NOM. LM/FT UP	3 NOM. LM/FT DOWN	4 COLOR TEMP.	5 SHIELDING	6 LINEAR LENGTH or CEILING KIT (select one)
SCDI pendant direct / indirect	300 300 lm/ft	300 300 lm/ft	30 3000 K	FL flush	2 2' L L shape 2'
	500 500 lm/ft	400 400 lm/ft	35 3500 K	0.5M 0.5" StepLens, lum. end cap	3 3' U U shape 2'
	750 750 lm/ft	500 500 lm/ft	40 4000 K	0.5P 0.5" StepLens, opaque end cap 2M 2" StepLens, lum. end cap 2P 2" StepLens, opaque end cap +BL(#) Blank (flush option only)	4 4' 2x2 2'x2' 5 5' 2x4 2'x4' 8 8' 2x6 2'x6' 12 12' 2x8 2'x8' S# System Run 2x10 2'x10'
					2x12 2'x12' 4x4 4'x4' K# other kits

SCULPT LED SURFACE

1 PRODUCT ID	2 NOM. LUMENS/FT	3 COLOR TEMP.	4 SHIELDING	5 LINEAR LENGTH or CEILING KIT (select one)
SCS surface	300 300 lm/ft	30 3000 K	FL flush	2 2' L L shape 2'
	400 400 lm/ft	35 3500 K	0.5M 0.5" StepLens, lum. end cap	3 3' U U shape 2'
	500 500 lm/ft	40 4000 K	0.5P 0.5" StepLens, opaque end cap 2M 2" StepLens, lum. end cap 2P 2" StepLens, opaque end cap +BL(#) Blank (flush option only)	4 4' 2x2 2'x2' 5 5' 2x4 2'x4' 8 8' 2x6 2'x6' 12 12' 2x8 2'x8' S# System Run 2x10 2'x10'
				2x12 2'x12' 4x4 4'x4' K# other kits

New Product Introductions

Sculpt



Recessed



Recessed Vertical



Direct / Indirect Pendant



Direct Pendant



Surface



Geometric Lighting Ceiling Kits

StepLens Option



Sculpt Recessed
0.5"



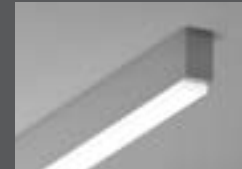
Sculpt Recessed
2"



Sculpt Pendant
0.5"



Sculpt Pendant
2"

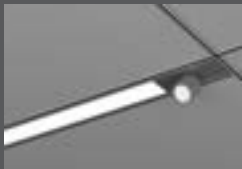


Sculpt Surface
0.5"



Sculpt Surface
2"

Accent Option



Recessed



Pendant



Surface



Geometric Lighting Ceiling Kits

Sculpt Products Under Development

- X and T Connectors
- Decorative Elements
- Additional Ceiling Kits



Beam 3 Recessed
1.25"



Beam 4 Recessed
1.5"



Beam 6 Recessed
2"

SkyePool™



2x2 Recessed
Flush



2x2 Recessed
0.5"



2x2 Recessed
2"



2x2 Recessed



4x4 Recessed

SkyeScape



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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