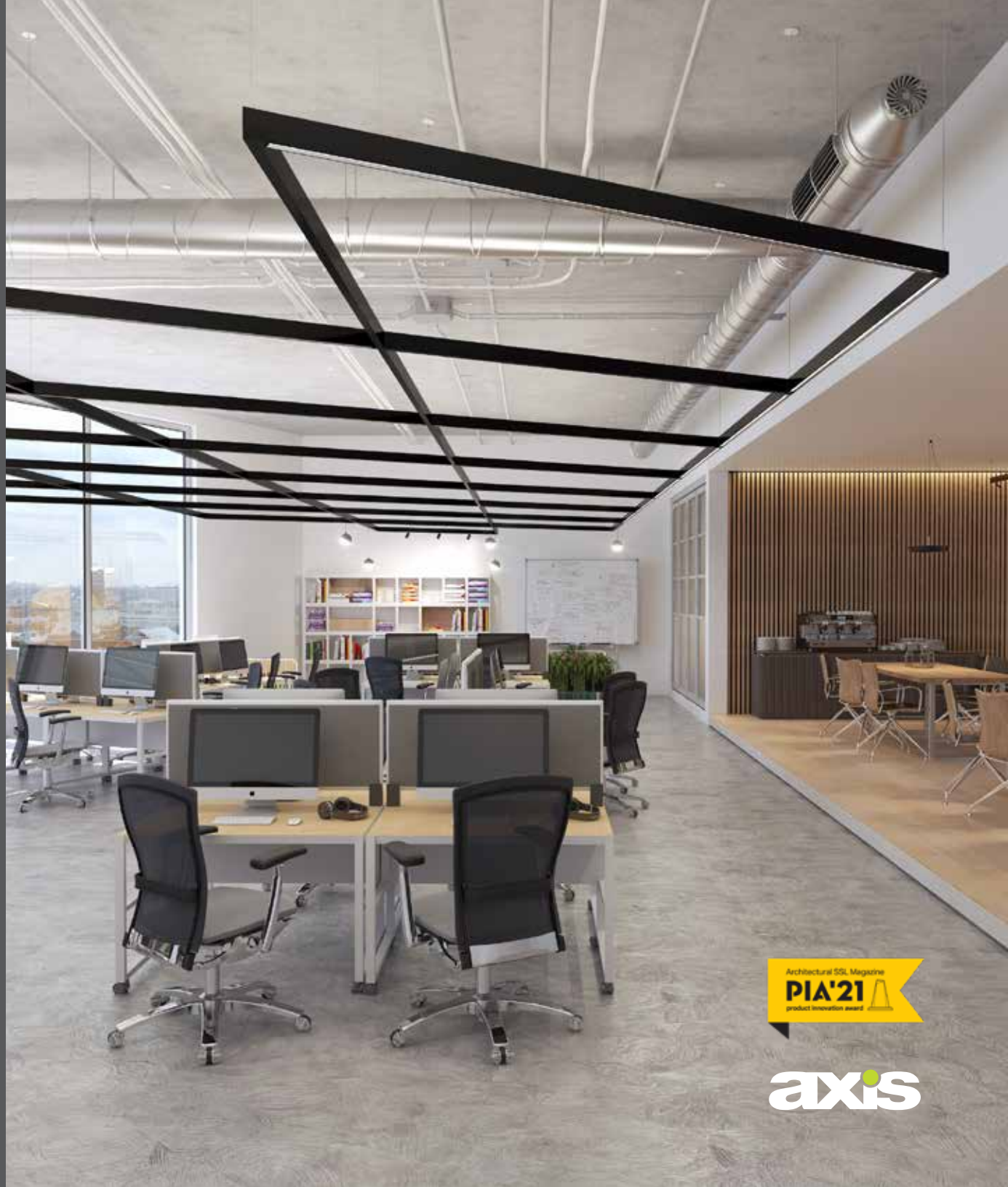
DESIGN GUIDE

Layers of light reinvented

StencilFlex®

Patent number #11,118,765



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“Without freedom, creativity cannot flourish.”

– DALAI LAMA

Flex your creative muscles. You are about to experience design freedom like never before.

Many say flexibility can't be achieved without the complexity and high installed cost of low-voltage track systems and remote drivers.

By thinking outside the fixture, Axis has engineered a truly adaptable lighting platform...

This new, disruptive approach for open-ceiling spaces features an architecturally integrated and scalable line-voltage solution that falls within typical lighting budgets. Key advantages include an extensive range of luminaire options, adjustability to accommodate layout changes and an effortless ability to meet energy codes.

Introducing StencilFlex®, a patented innovation, and F.L.E.X Technology™.

Redefining layers of light and their delivery

F.L.E.X
Technology™

A new technology,
for today's needs.
And tomorrow's.

01

FRAMEWORK
LIGHTING INSERTS
EMPOWER
X-FACTOR: DESIGN FREEDOM

F.L.E.X Technology™

Framework

StencilFlex® is based on the framework, a patented, streamlined, cost-effective line-voltage structure that enables easy-to-install building-scale lighting solutions with energy and emergency code compliance. In doing so, it delivers a broad range of architecturally integrated lighting elements and acoustic solutions that meet the needs of entire spaces and specific areas.

The F.L.E.X Technology™ line-voltage framework is a new and timeless architectural option for open ceilings that provides design freedom to the architect, lighting designer and interior designer.

Make it fit your vision of the space. For today's needs. And tomorrow's.

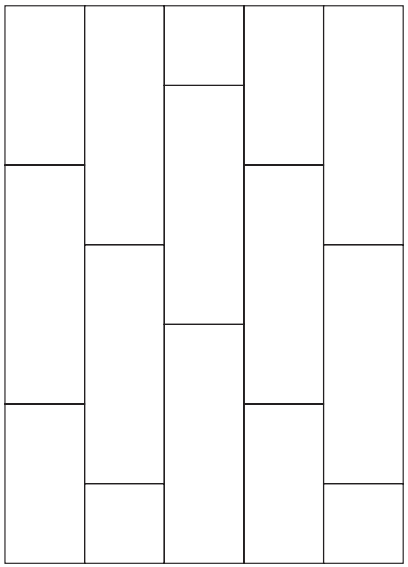
Patented line-voltage technology

Every framework incorporates line-voltage technology. A StencilFlex® layout can include several frameworks, each one a neighborhood of light, or it can form a single, large-scale framework with multiple neighborhoods of light. StencilFlex® Hubs are used to build geometric forms throughout a framework.

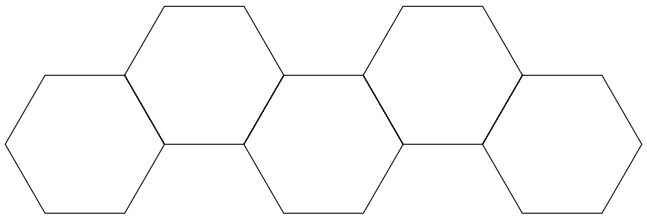
13 16
13 16
3 16
16

Linear Grid

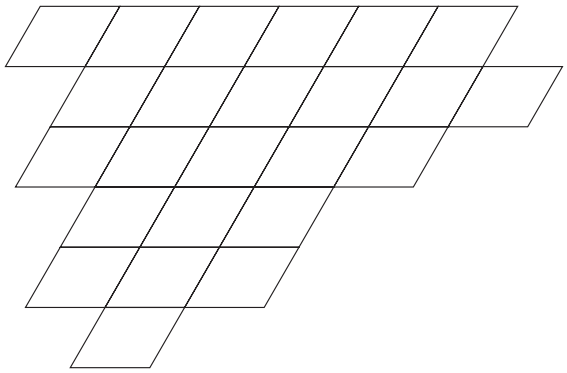
Rectangle/Square Grid



Hexagon Grid



Parallelogram Grid



F.L.E.X Technology™

Linear inserts –

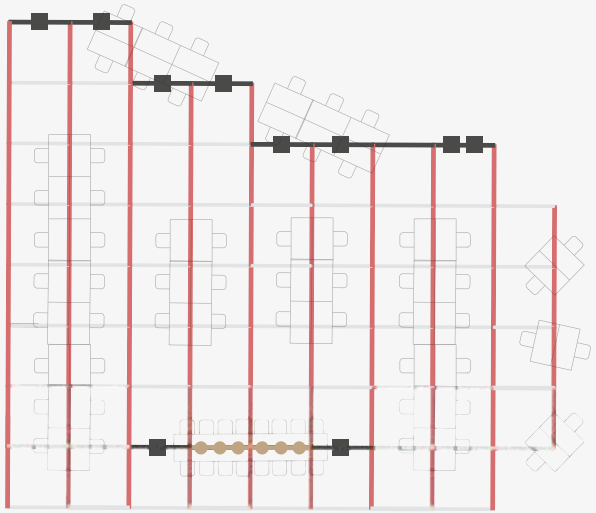
Frameworks are made of economical, prewired segment extrusions that accept Nomadic™ lighting inserts – for linear lighting, downlighting, wall washing, track elements and decorative pendants. Lighting inserts bring StencilFlex® layers of light where required, in neighborhoods of light, circulation areas and other functional spaces.

Add flexibility to your lighting design. For today's needs. And tomorrow's.

Interchangeability and flexibility

A mini line-voltage driver in every insert means full interchangeability among inserts, as well as the flexibility of last-minute on-site modifications by certified electricians.

Layout B

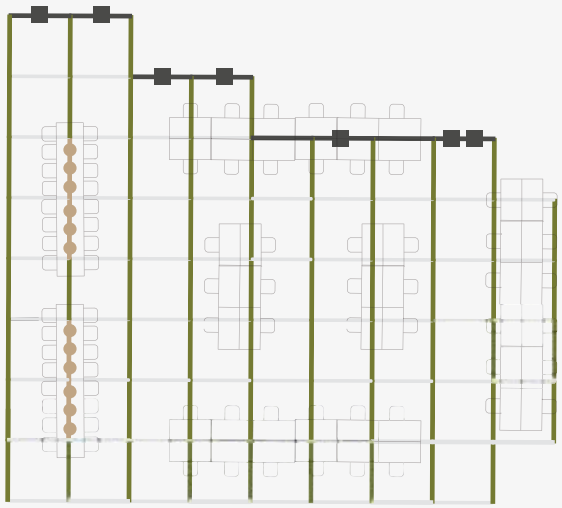


Flush Lens (spotless)

Luna Orb Pendant

Stella Spotlight 55

Layout A



Louver 60

Luna Orb Pendant

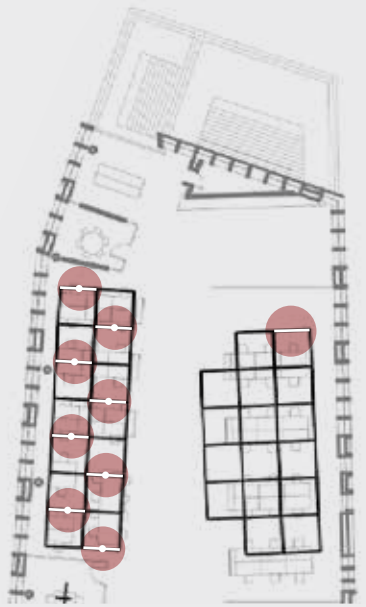
Stella Spotlight 55

F.L.E.X Technology™

Empower

F.L.E.X Technology™ lets you fully control StencilFlex® layouts using Empower technology. This worry-free wireless platform leverages open-standard design flexibility and individually controlled inserts, ensuring more freedom to create visually engaging lighting that is smart and connected.

Wield the power to customize your lighting. For today's needs. And tomorrow's.

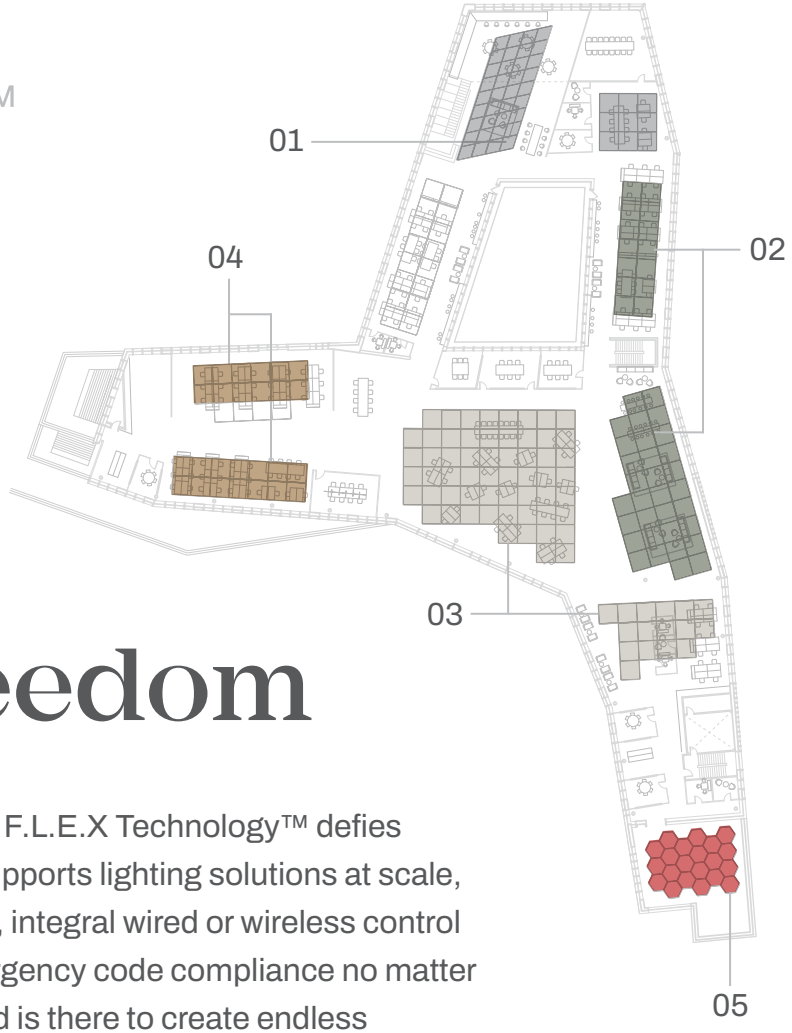


Worry-free wireless platform

Every insert features a mini line-voltage driver and an Empower mini control module compatible with programmable devices supplied by qualified Empower wireless partners, enabling highly precise resolution-of-one control.

Resolution-of-One
Wired or Wireless, we meet
your lighting and controls needs

F.L.E.X Technology™



X-Factor: Design Freedom

With its sheer features and capabilities, F.L.E.X Technology™ defies description. Its line-voltage structure supports lighting solutions at scale, layers of light anywhere you need them, integral wired or wireless control throughout, as well as energy and emergency code compliance no matter the lighting design. Everything you need is there to create endless architectural possibilities... and excitement.

Enter a new era of limitless lighting design. For today's needs. And tomorrow's.

Simplicity, adaptability and affordability

Where there is no need for lighting, blank inserts in the StencilFlex® framework add a sophisticated, minimalist touch to the overall design.

Innovative IMW™ line-voltage frameworks and Nomadic™ lighting inserts herald a new approach to luminaire wiring that brings down the cost of architectural lighting.

01
Public Spaces

02
Communal
Spaces

03
Collaborative
Workspaces

04
Office Spaces

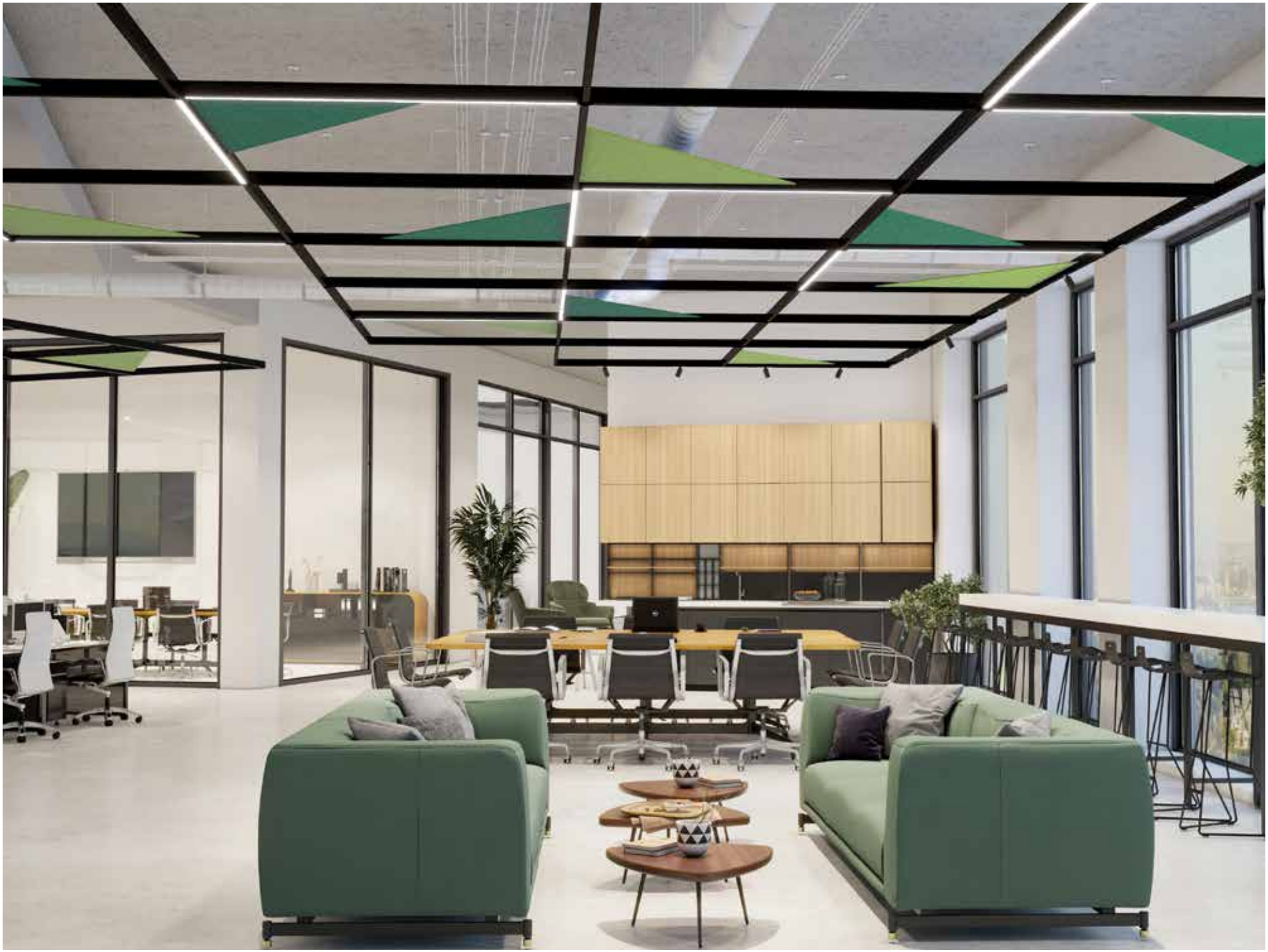
05
Office Gyms

01

Public Spaces

02

Communal Spaces



03

Collaborative Workspaces

04

Office Spaces

05

Office Gyms

Rethinking layers of light through innovation

- IMW™ Technology
- Empower Freedom
- Simplicity
- Adaptability
- Scalability
- Architectural Appeal
- Cost-effectiveness

02

WHAT IS STENCILFLEX®?

WHY STENCILFLEX®?

HOW DOES IT WORK?

What is StencilFlex®?

A framework for limitless lighting design

Patented StencilFlex® is a simple, cost-effective delivery system for the layers of light you want, where you want them.

It features a sleek, versatile framework based on the Stencil® form factor. And it uses innovative IMW™ (Integral Modular Wiring), Nomadic™ and Empower technologies to wire in lighting inserts where needed and maximize design flexibility.

As a result, StencilFlex® supports a simple design and installation process, highly creative layouts and affordable power distribution to lighting inserts.

Patented IMW™ technology is the highly cost-effective line-voltage backbone of the framework. Cables and wire-in terminals are already built into segments, so you don't have to worry about wiring and current-limiting devices.

- Wiring is standard 277 V with standard 4" j-box at each power drop.
- Power/control cabling is concealed in suspension stems.
- IMW™ segments are prewired according to lighting control needs.
- IMW™ line-voltage terminals in each segment for powering/controlling Nomadic™ inserts.

The Nomadic™ system facilitates lighting insert interchangeability. Each insert is equipped with an IMW™ wire-in terminal and a hassle-free mini line-voltage driver, eliminating the need to install remote drivers.

The Empower wireless platform promotes lighting design freedom by ensuring framework-wide connectivity with a mini control module in every insert. In addition, this worry-free wireless technology makes it easy to meet energy code requirements.

Why StencilFlex®?

It’s simple

The patented IMW™ line-voltage framework facilitates lighting project planning, budgeting, design and installation, including last-minute on-site modifications.

01
Prewired segments with rapid-wiring terminals

02
Wired 0-10V lighting control

03
Optional Empower wireless lighting control with available integral mini sensors and control modules

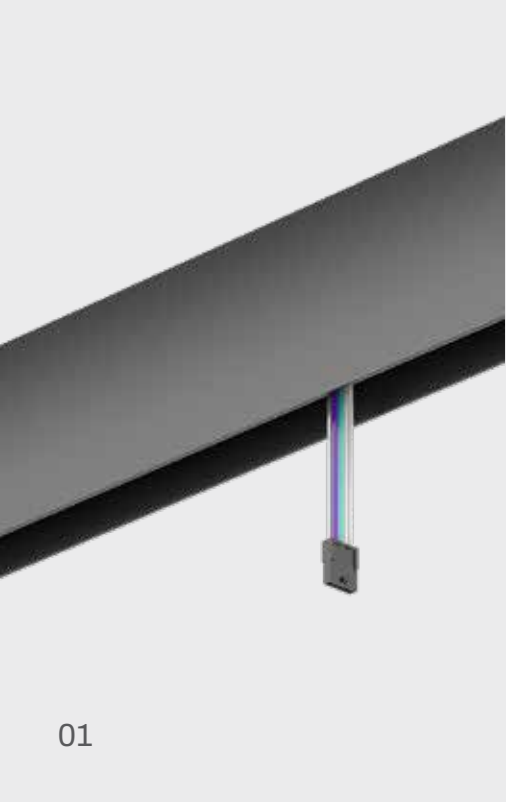
04
Patented stem levelling mechanism

05
Interchangeable Nomadic™ lighting inserts (with assistance of certified electrician)

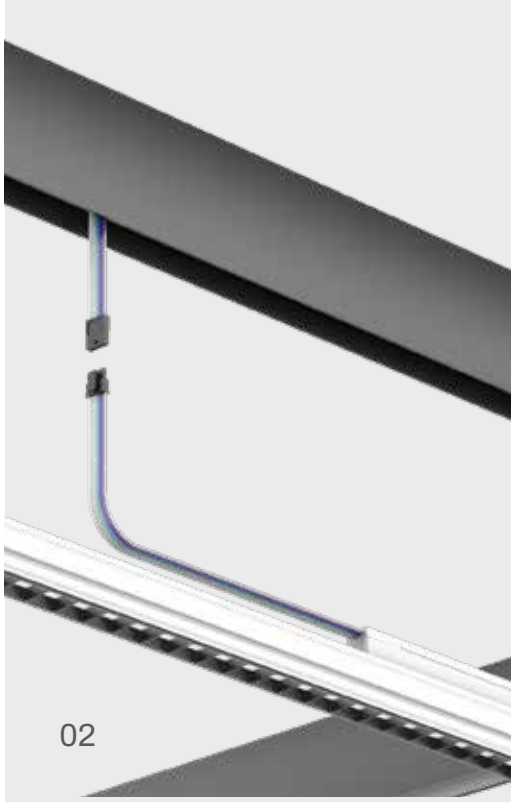
06
Full range of linear lighting elements

07
Wide selection of track and decorative lighting options including third-party pendants

08
Easy-to-integrate acoustic solutions



01



02

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04

05

06

07

08

Why StencilFlex®?

It's adaptable

If tasks, furniture and people can be moved around in a space, why not the lighting? And how does a designer integrate different, ever-changing lighting requirements in an open space, while remaining creative and relevant? With its innovative framework and flexible lighting inserts, StencilFlex® meets those challenges and addresses evolving needs.

Regardless of scale, StencilFlex® can meet all your energy code (ASHRAE/IESNA 90.1) and emergency lighting (UL924) requirements, as well as all your daylight and zoning needs.

01
Unlimited flexibility to build creative frameworks using Hubs

02
Frameworks adapt to every space and lighting task

03
Neighborhoods of light for different lighting applications

04
Layers of light only where needed

05
Blank inserts provided for clean architectural look where no lighting required

06
Full scalability to any building environment

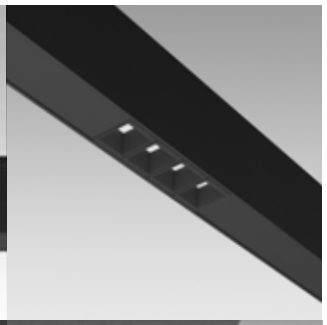
07
Easy to modify, extend and adapt frameworks to evolving needs

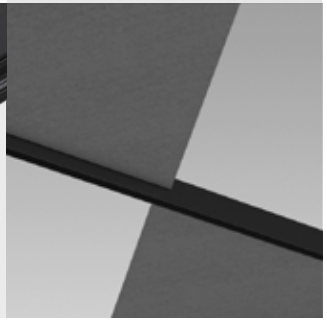
Layout A

SO Lens
Stella 55
Helios Disk
Chime Cylinder

Layout B

SO Lens
MikroLite®
Stella 55
SoftZone®





Why StencilFlex®?

It's cost-effective

StencilFlex® is **the only adaptable building-scale lighting system providing energy code compliance using a cost-effective framework.** Its line-voltage technology is value engineered for low-cost lighting and installation, optimal energy efficiency (lighting power density is kept to a minimum without external devices) and superior design freedom. You get what you need, nothing less, nothing more.

F.L.E.X Technology™ line-voltage frameworks meet your budget requirements.

01
Low-cost lighting and installation

02
System designed to facilitate meeting local energy and emergency code requirements based on ASHRAE/IESNA 90.1

03
Innovative AxisTrak™ Inserts enable cost-effective use of track lighting elements only where needed

04
Built-in current limiting

05
Driver in every insert, so no remote driver panels

How does it work?

A framework you build on

The beauty of StencilFlex® is in its design simplicity. Using a building block approach, StencilFlex® components can be added, extended or adjusted at any time. The design process begins with the line-voltage framework.

Frameworks let you map out neighborhoods of light to address specific lighting requirements or applications (e.g. recreation area, breakout space, workstations, collaborative nook, conference table, perimeter lighting, etc.).

01

Design one or multiple patented IMW™ frameworks to bring layers of light where required, based on space usage and size, and creative intent.

02

Use segments and Hubs to create repeatable geometric forms (triangle, parallelogram, hexagon, square, custom shape, etc.) throughout the framework and ensure design consistency.

01
02

How does it work?

Integrated Emergency Lighting Capability
Unlike low-voltage track systems, StencilFlex® is suited for emergency lighting because emergency systems can draw power through circuit-based wired and wireless controls platforms.

As a result, StencilFlex® offers true building-scale solutions.

- No supplemental power source required, as for standard low-voltage systems.
- StencilFlex® 0-10V lighting control is already circuit-based.
- Empower connects directly to emergency circuit using an UL924-certified relay.

03

Choose a lighting control solution based on the desired resolution: a simple 0-10V wired framework or an advanced, fully integrated Empower wireless framework.

04

Add direct or indirect linear lighting inserts where required.

05

Add track elements and decorative pendants where required.

- **Use AxisTrak**™ Inserts for track heads and on-track decorative luminaires, including any brand of pendant.
- **Use Mini Power Inserts** for in-segment decorative luminaires, including any brand of pendant.

06

Add layers of sound attenuation as required, using LattiX™ acoustic grids or SoftZone® acoustic panels.

03
04
06
05

Reshaping layers of light through design simplicity

Easy to plan
Easy to wire in
Easy to manage

Easy to expand
Easy to budget
Easy to install

03

FRAMEWORK
CONTROLS
LINEAR LIGHTING
MOUNTING SYSTEMS
TRACK ELEMENTS & DECORATIVES
ACOUSTIC SOLUTIONS

Build

A customizable approach

Superior Efficiency

With patented StencilFlex®, the architect can shape the frameworks while the lighting designer develops lighting insert layouts, the electrical engineer maps out controls, emergency lighting and circuits, and the acoustic consultant designs LattiX™ grid integration or SoftZone® panel implementation.

Optimal Adaptability

At any point in time, you can stretch a layer to meet scalability needs. Or simply add to it to bring more lighting, controls or sound attenuation in a space. Move elements around. Expand your framework. Add illuminated areas. Choose your control zones. The creative advantage is yours.

Maximum Creativity

Start by building a suitable framework for the area to illuminate and by selecting your controls platform. Then add layers of light as required: linear lighting (direct, indirect, direct-indirect), track elements using AxisTrak™ technology, Axis decorative luminaires, third-party pendants, and even acoustic grids or panels.

Framework

Be creative
Frameworks come prewired with Axis's patented IMW™ (Integral Modular Wiring) technology. StencilFlex® lets you design innovative, lighting-ready grid forms using Hubs, IMW™ segments and suspension elements.

Establish your grid in a single space or throughout the building, based on your lighting needs. Capitalize on the framework's flexibility to deploy IMW™ segments along the perimeter, in strategic zones, over circulation areas and in other neighborhoods of light. Expand the framework by adding segments without the need for remote drivers, nor additional power cords or current-limiting devices.

Explore your framework design options

> Hubs
Create your form to bring light where required

> IMW™ Segments
Build a prewired grid to fit your needs

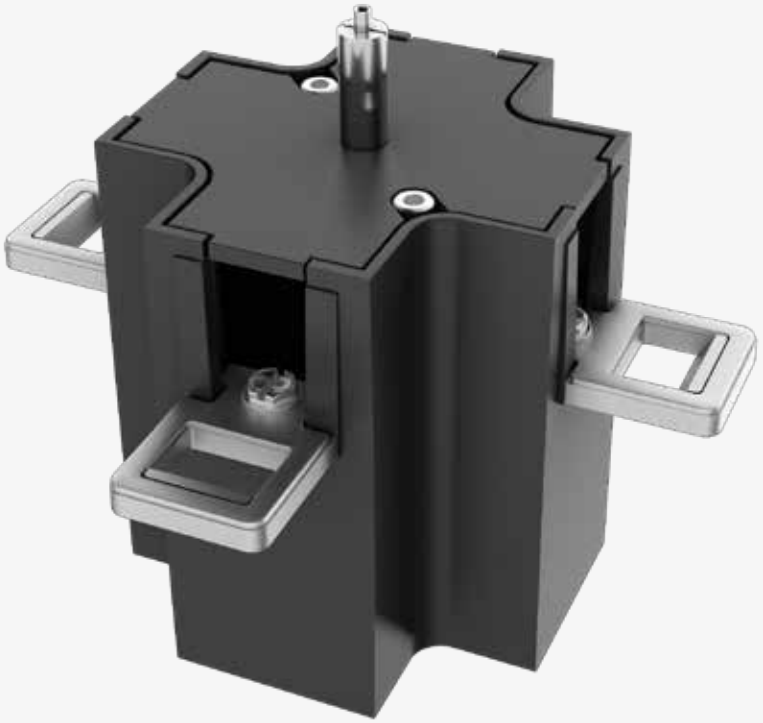
> Suspension
Heighten the effect

Framework

Hubs

Create your form to bring light where required
Design framework patterns of all sizes using Hubs, the key to StencilFlex® flexibility.

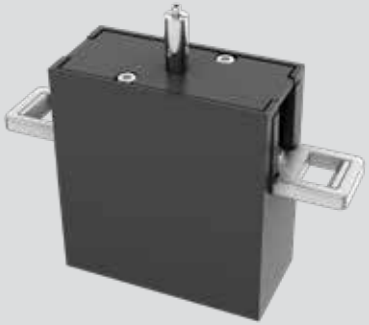
- Patented die-cast, steel-reinforced non-illuminated soft-corner connectors
- Combination of mechanical, communications/electrical wireway and suspension functions
- Easy to install with single captive spring-loaded screw mechanism
- Ideal for creating custom patterns and shapes suited to the space

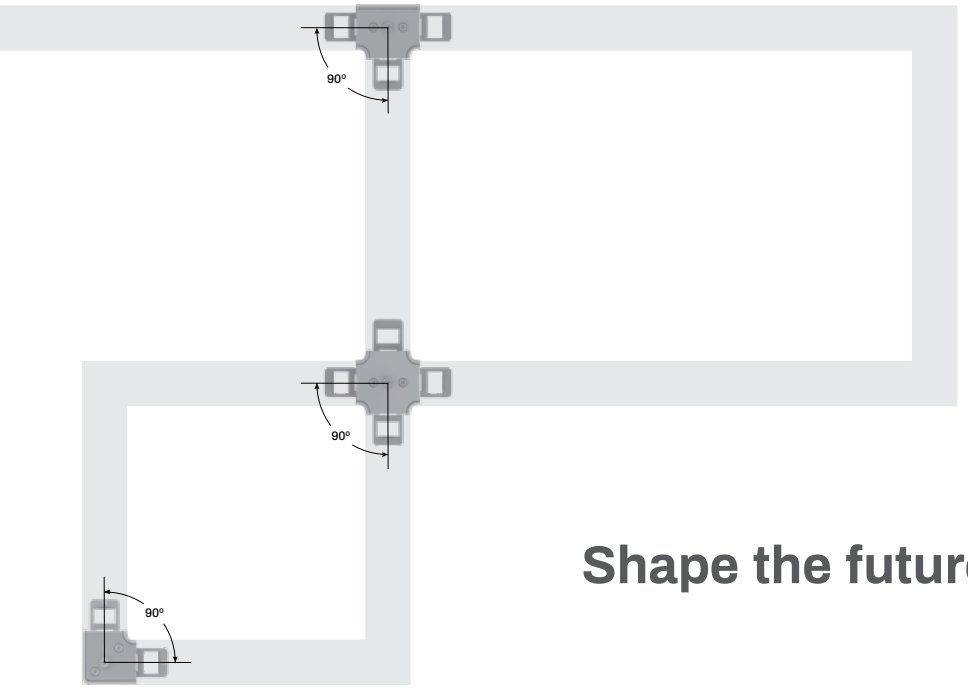


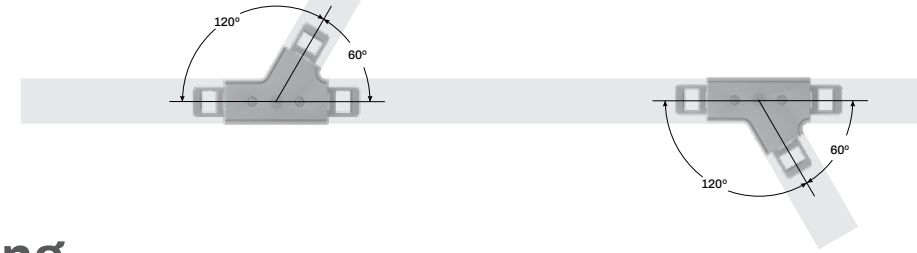
Made of layered steel and die-cast aluminum

11 Hubs

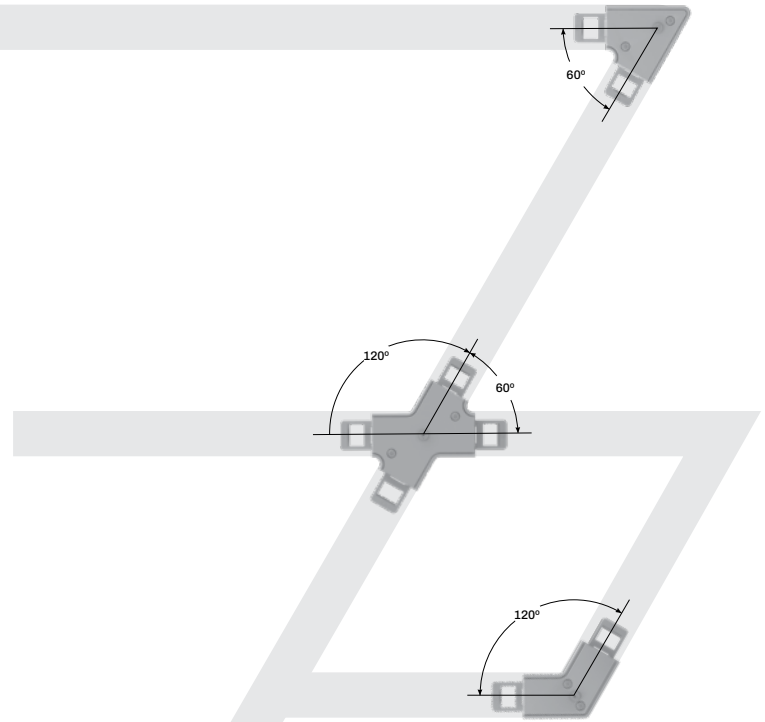
Choose from 11 StencilFlex® Hubs to create multiple grid shapes and patterns.

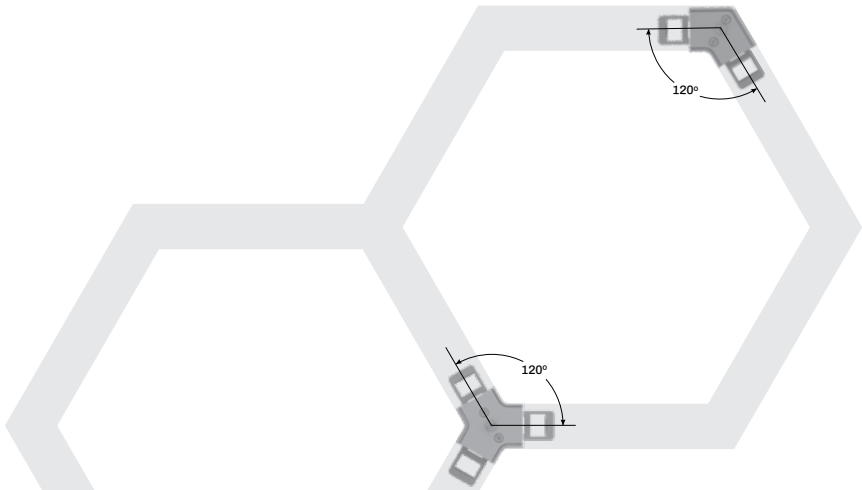






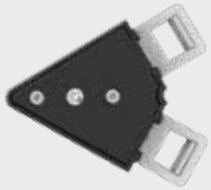
Shape the future of lighting





Choose from 11 StencilFlex® Hubs

Inline Hub (180°)



Triangle Hub (60°)

Hex Hub (120°)

L Hub (90°)

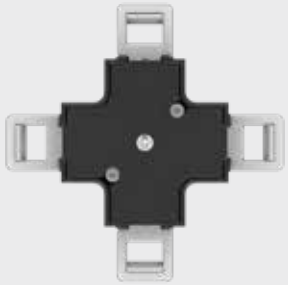
Negative Y Hub (60°/120°)

Y Hub (120°)

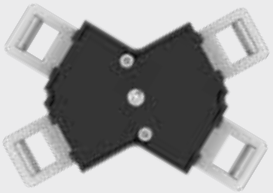
T Hub (90°)

Positive Y Hub (120°/60°)

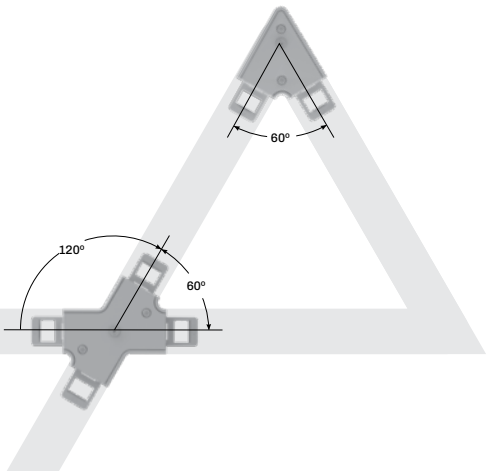
End Cap Hub



X Hub (90°)



X Hub (120°)



Framework

Patented IMW™ Segments

Build a prewired grid to fit your needs

Deploy your framework design using IMW™ segments from 3’ to 8’ (1’ increments). Each segment comes prewired and acts as a line-voltage wireway for multiple lighting tasks available through lighting inserts.

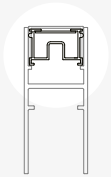
StencilFlex® segments accommodate a variety of Nomadic™ inserts:

- Linear lighting inserts: choice of direct, indirect, direct-indirect, including MikroLite® downlights and wall washing
- AxisTrak™ Inserts (for track elements and decorative pendants)
- Mini Power Inserts (for decorative pendants)

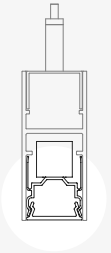
Need to scale up the design?

When designing your framework, you can easily extend the lighting layout. Simply add more IMW™ segments and the appropriate Hubs to conveniently spread out the framework.

StencilFlex® segments include two cavities, enabling the combination of direct and indirect lighting.



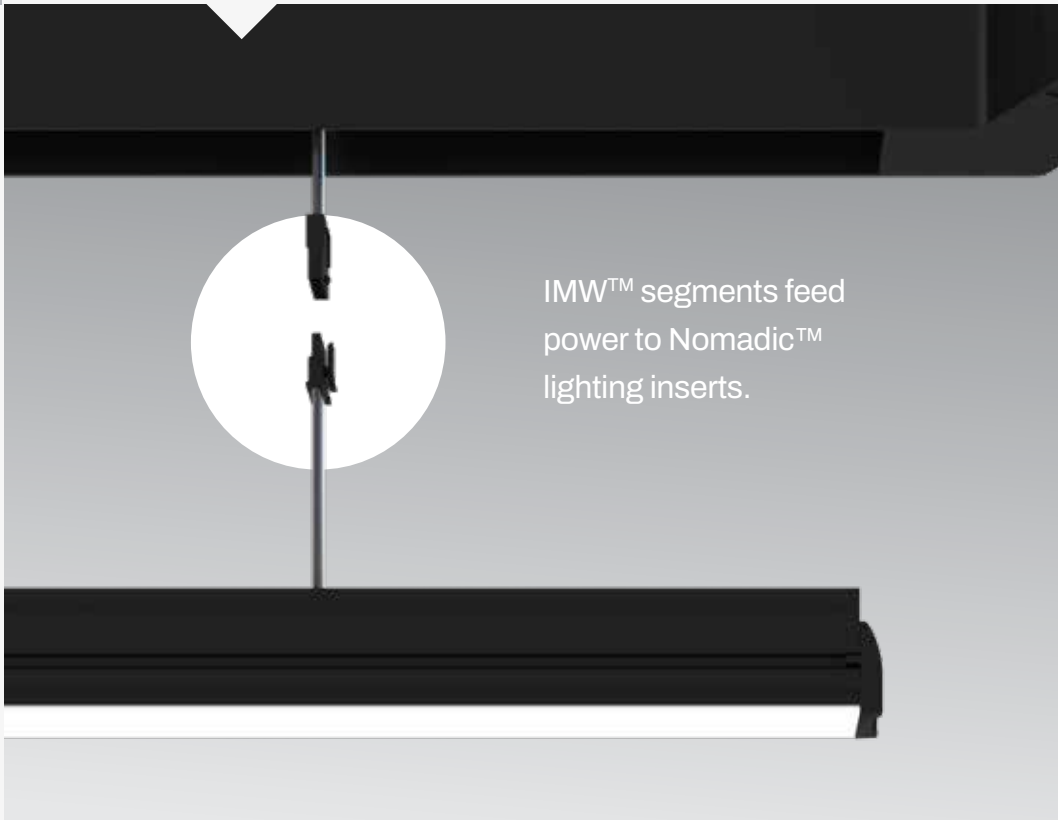
Indirect lighting



Direct lighting

Nomadic™ technology

With the Nomadic™ system, each lighting insert is equipped with an IMW™ wire-in terminal and an integral mini line-voltage driver. As a result, Nomadic™ inserts are easy to install and interchangeable, making last-minute on-site modifications a breeze. Simply ask your electrician to swap one insert for another in the framework.



IMW™ segments feed power to Nomadic™ lighting inserts.

Framework

Suspension

Heighten the effect
Choose between stem and cable suspension options that mount directly on Hubs. Cable mounts are fully adjustable, whereas stems offer adjustability at the canopy. Stems also serve to conceal power wires, ensuring a streamlined look.

The right level of simplicity

Stem

Patented stem levelling mechanism, allowing up to 1” adjustments. Choose from 1’, 2’ or 3’ stem.

Cable

Cable lengths cut to your specification.

Controls

A choice of lighting control platforms
StencilFlex® lets you choose between 0 10V and Empower wireless lighting control options for your framework. Both can be personalized to meet your needs.

The right resolution
Which lighting control resolution do you require? Wired low-voltage controls allow you to manage an area or a circuit including multiple lighting inserts. Empower wireless controls are more granular and flexible, allowing you to control individual IMW™ segments and to customize luminaire groupings.

Control lighting with ease and confidence.

> Wired controls
Standard
0-10V zoning

> Empower wireless controls
Bring your lighting design to life

Built-in Intelligence
Axis supports low-voltage and wireless options by ensuring that every StencilFlex® segment is fully prewired and equipped with the proper lighting controls. Intelligence is built-in to the system for optimal convenience, form and function.

Easy to specify, build and commission
StencilFlex® systems are controls-ready, meaning all lighting control options (e.g. dimming, daylighting, occupancy) from your favorite vendors have been prevetted, tested and seamlessly integrated.

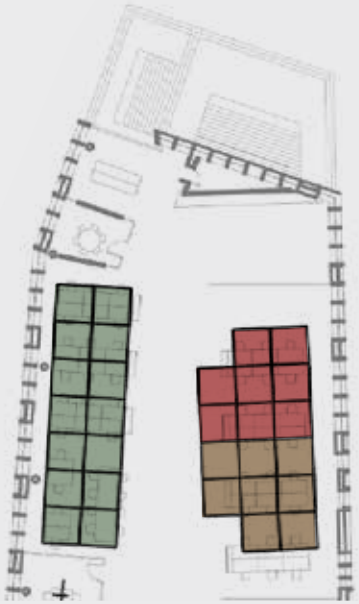
Controls

Wired Controls

Standard 0-10V zoning
In its most basic form, StencilFlex® lets you control lighting using a prewired framework with pre-zoned inserts. StencilFlex® is also compatible with all circuit-based wireless control systems.

Wired 0-10V system
AREA-BASED RESOLUTION

- Control area groupings of lighting inserts
- Integral mini line-voltage driver in every Nomadic™ insert
- Integral wiring throughout StencilFlex® framework
- Supports multiple fixed circuits with separate D/I control
- Conceals cables for power drops with Stem Mount



With a 0-10V wired system, lighting control is circuit-based. So you can control groupings of light in a specific area. Direct and Indirect Nomadic™ inserts are on different circuits.

StencilFlex® is suited to all the leading circuit-based wireless systems.

Controls

Empower Wireless Controls

Bring your lighting design to life
Empower design freedom at all levels without having to worry about controls, with a resolution of one, namely a single lighting element.

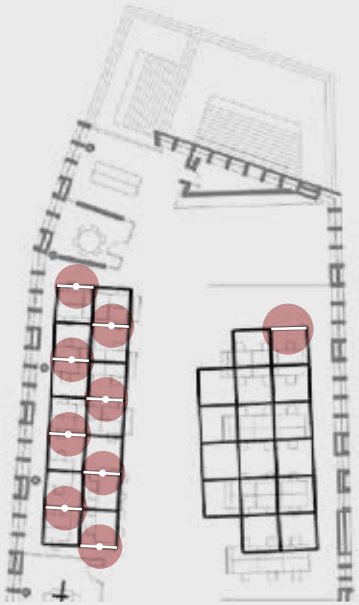
With Empower by Axis, every lighting insert is equipped with a mini driver and a mini control module, ensuring full connectivity and control.

StencilFlex® Empower uses the latest open-standard lighting control technology to provide a versatile, low-cost and worry-free wireless communications backbone that talks to each and every light source.

Worry-free wireless

It's worry-free from a lighting control point of view because open protocols facilitate wireless programming through application software provided by qualified Empower partners.

It's worry-free from a lighting design point of view because built-in intelligence means that wireless control is available in every insert, at all times. Move the insert, the control moves with it.



Greater precision

With an Empower wireless system, lighting control is at the driver level, ensuring greater precision. Every IMW™ segment can be controlled independently. Direct and Indirect Nomadic™ inserts are programmable to enable that independent control.

Controls

Empower Wireless Controls

An advanced, highly flexible platform
Empower puts you in the driver's seat… Create groupings at will. Tell each layer of light what to do, how to do it and when to do it. Change it all from the convenience of your phone or laptop.

Patented integral mini sensor and mini control module ensure connectivity with application software provided by qualified Empower partners.

Wireless system
SEGMENT-BASED RESOLUTION

- One mini control module (sensor &/or radio) per Nomadic™ insert
- Qualified Empower partner software controls lighting through module, which commands mini line-voltage driver in the insert
- Wireless control of individual Linear lighting inserts, AxisTrak™ Inserts and decorative pendants powered by Mini Power Inserts

- Designed and tested to be interoperable with many lighting controls manufacturers
- Wireless controls can be reconfigured after installation
- Empower system supports DALI, DALI 2 and D4i
- Qualified Empower partners include leading wireless lighting controls manufacturers.

Linear Lighting

Field adjustability made easy

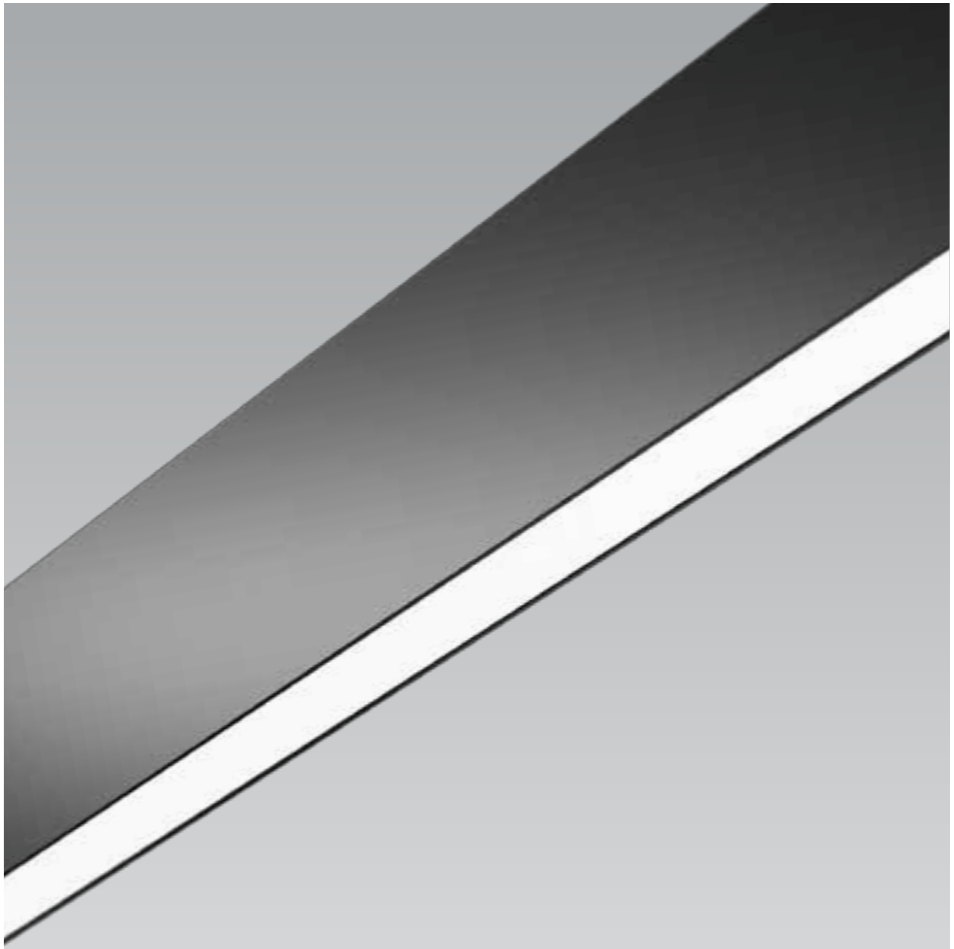
Nomadic™ linear inserts offer a selection of direct and indirect lighting elements featuring precision optics.

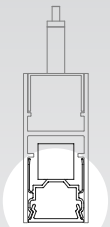
- Linear insert lengths from 3’ to 8’ (to fit segments)
- Fully interchangeable inserts (electrician required)
- Inserts combine LEDs, optics and rapid-wiring terminals suited to IMW™ segments
- Integral mini line-voltage driver in every insert

> **Direct Optics**
> A comprehensive downlighting kit

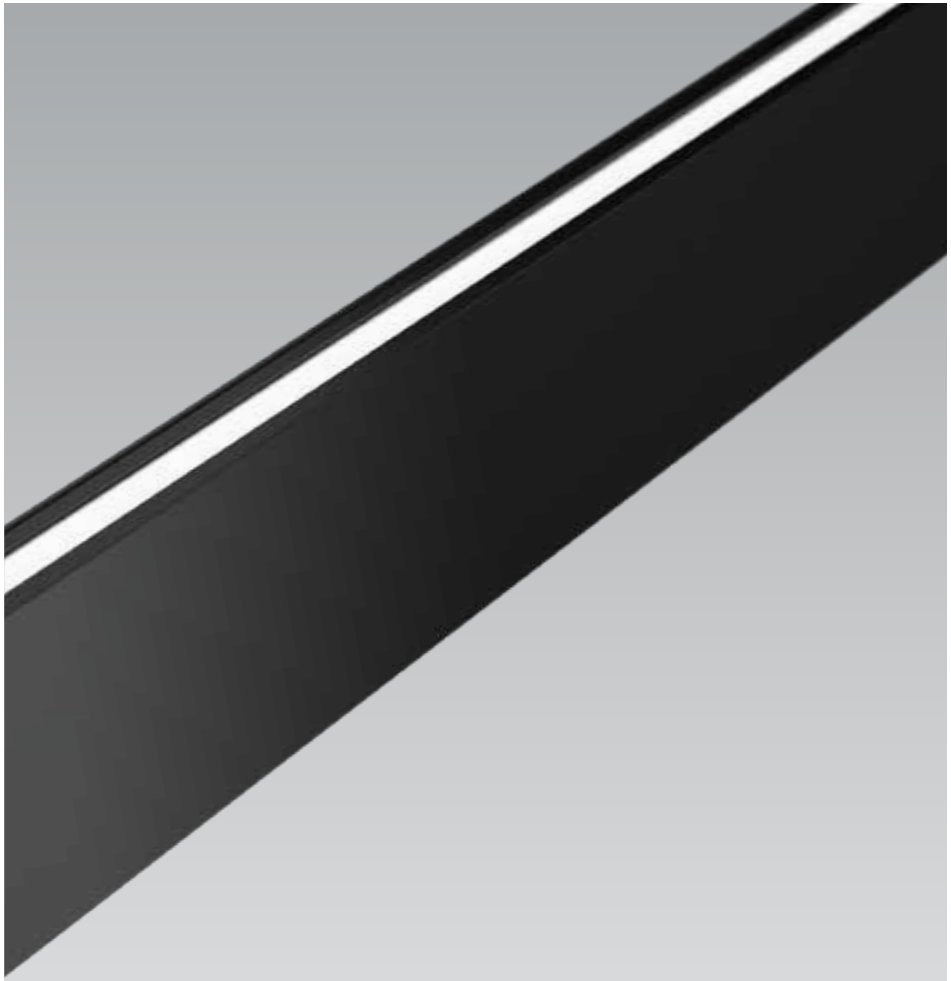
> **Indirect Optics**
> Uplighting powered by SurroundLite™

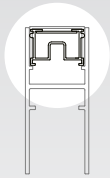
StencilFlex® segments include two cavities, enabling the combination of direct and indirect lighting.





Linear direct insert





Linear indirect insert

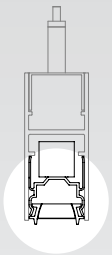
Linear Lighting

Direct Optics

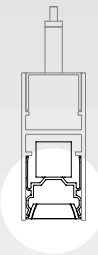
A comprehensive downlighting kit

- Uniform, glare-free luminous lines of light
- 6 direct lighting inserts to choose from
- Blank inserts supplied for unused segment cavities

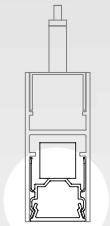
LOUVER 60
LOUVER 70
FLUSH LENS
REGRESSED LENS
MIKROLITE®
WALL WASH
FLUSH BLANK
REGRESSED BLANK



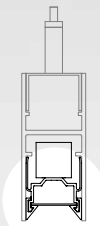
Louver 60



Louver 70

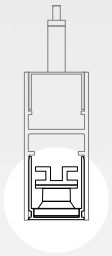


Flush Lens (spotless)

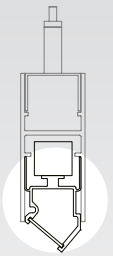


Regressed Lens (spotless)

- 4-cell modules, 4” length
- 500 lm per module
- Narrow or wide beam
- 80 or 90 CRI
- 3 modules per segment



MikroLite®



Wall Wash

Linear Lighting

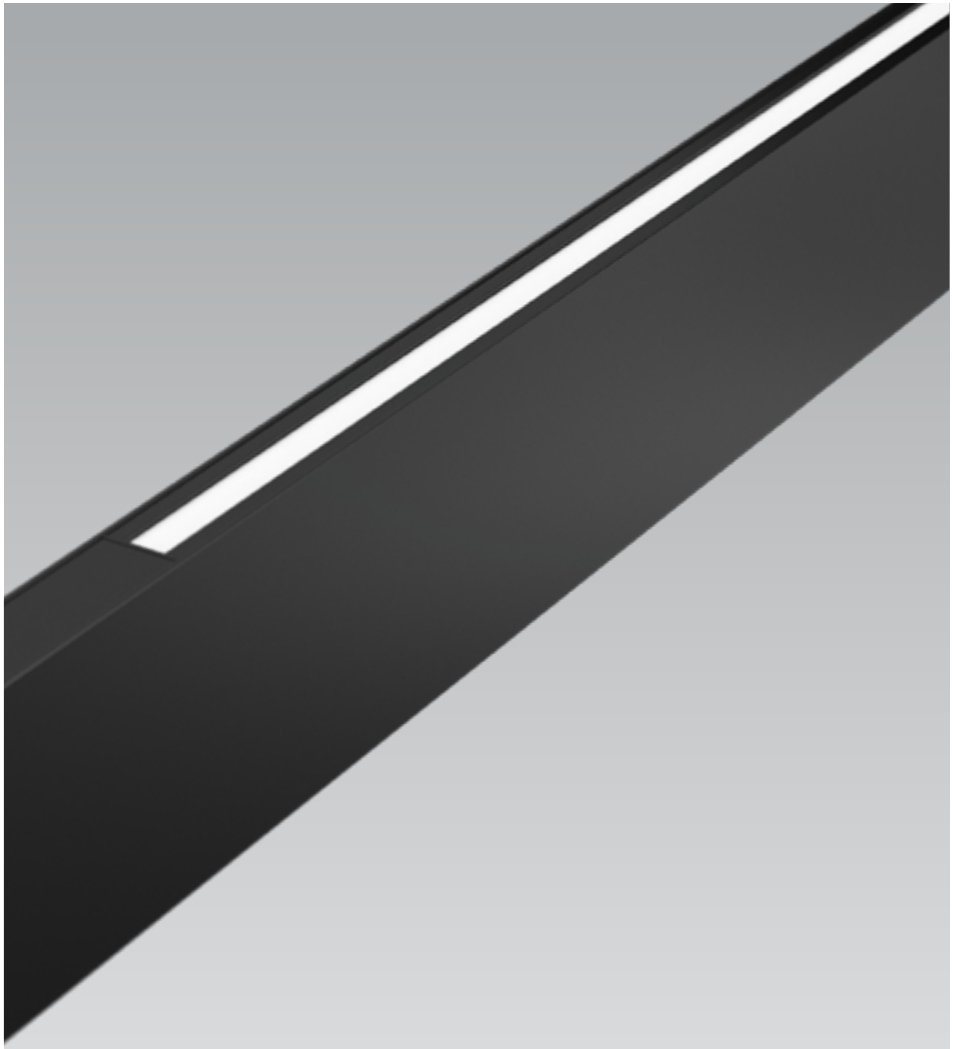
Indirect Optics

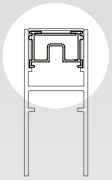
Uplighting powered by SurroundLite™
Featuring patented lightguide technology, SurroundLite™ indirect optics open up the space with the promise of uniform ceiling brightness. The multidimensional distribution ensures light is directed in all three planes and sent in every corner of the room. Blank inserts are supplied for unused segment cavities.

Discreetly add volume to the space

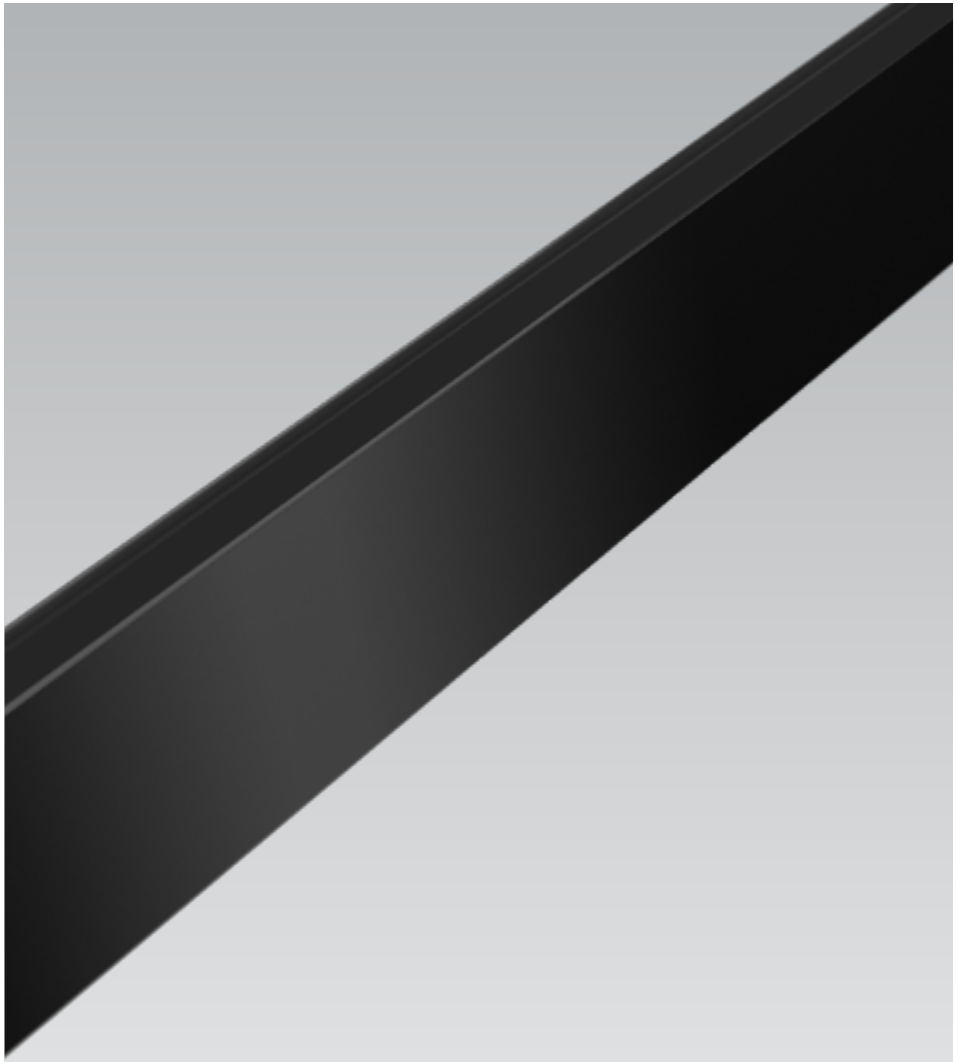
SurroundLite™ Features

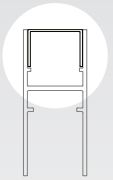
- Wide, 3D spherical batwing distribution
- High-efficacy lighting performance
- Balanced brightness
- Superior visual comfort and facial recognition
- Exceptional vertical light, especially suited to retail environments
- Eliminates the cave effect





SurroundLite™





Flush Blank

> AxisTrak™

> Mini Power Insert

Mounting Systems

Complementary lighting to enhance the space
StencilFlex® offers a vast selection of track elements and decorative pendants to supplement linear lighting inserts. They can be installed using up to three mounting options summarized below.

AxisTrak™ Insert
Track lighting elements are prewired to AxisTrak™ adaptors for full adjustability along the AxisTrak™ insert.

Mini Power Insert
Axis decorative pendants are prewired to Mini Power Inserts for easy wiring in and installation on StencilFlex® segments.

Junction box
Standalone mounting of decorative lighting elements directly on standard junction box. Canopy provided with no need for remote driver boxes.

Mounting Compatibility

- Track lighting elements are only compatible with AxisTrak™ Inserts.
- Decorative lighting elements can be mounted on AxisTrak™ Inserts, Mini Power Inserts and junction boxes.
- Third-party pendants can be installed on AxisTrak™ Inserts and StencilFlex® segments using Universal Adaptors (see page 114).

AxisTrak™

Mini Power Insert

Junction box

Junction box

Mounting Systems

AxisTrak™

Enabling an appealing layer of track lighting options
Newly developed by Axis, AxisTrak™ technology is a cost-effective alternative to standard track lighting. For maximum cost-effectiveness, use AxisTrak™ lighting only where required on your StencilFlex® framework.

AxisTrak™ Inserts combine the engineering value of StencilFlex® with the precise aiming and flexibility of track lighting. This translates into a price tag and installed cost that is far lower than for traditional track systems.

Features

- AxisTrak™ lighting elements come prewired with AxisTrak™ on-track adaptors
- Innovative low-voltage track system allowing fully adjustable track elements
- Lightweight minimalist design with no remote drivers
- AxisTrak™ inserts from 3’ to 8’ (to fit segments)
- IMW™ compatibility with StencilFlex® segments
- Interchangeable inserts (electrician required)
- Integral constant-voltage driver (48V)

- Multiple power levels (15 W/ft to 7.5 W/ft) to ensure code compliance
- Compatible with standard 0-10V and Empower wireless control
- Integral control module to connect with patented mini sensor
- Available Universal AxisTrak™ Adaptor to connect third-party pendants (page 114)
- AxisTrak™ is also available in Stencil® Surface and Sculpt™ recessed (see axislighting.com/innovations/axistrak)

AxisTrak™ Inserts feature an innovative, streamlined low-voltage track design.

Mounting Systems

Mini Power Insert (MPI)

Adding flexibility for decorative pendant lighting
Use the MPI mounting option for the most cost-effective way to integrate Axis decorative pendants in a StencilFlex® framework.

The Mini Power Insert provides unlimited decorative lighting options for StencilFlex®.

Features

- Axis decorative pendants come prewired with Mini Power Inserts
- Field-cuttable blanks provided to fill in unused part of segment cavity
- Constant-current integral mini driver included
- IMW™ compatibility with StencilFlex® segments
- Fully interchangeable module (electrician required)
- Available patented mini sensor
- Available Universal MPI Adaptor to connect third-party pendants (page 114)
- MPI length: 14”

Track Elements & Decoratives

StencilFlex® offers a vast selection of track elements and decorative pendants to supplement linear lighting inserts. Add character to your layout with a range of elegant, functional track elements and decorative pendants.

> Stella Spotlight

> Constellation Projector

> Orbit Tube

> Luna Orb

> Chime Taper

> Chime Cylinder

> Helios Disk

> Pendant Swag Mounting

> Universal Adaptors

Track Elements & Decoratives

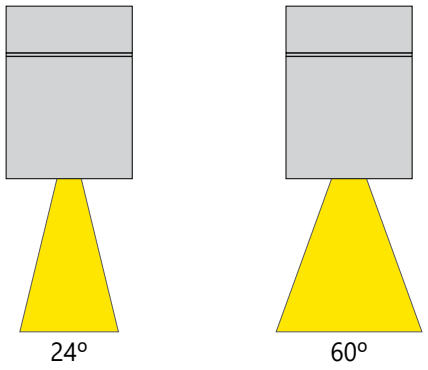
Stella Spotlight

Accent lighting goes spatial with
the Stella family of AxisTrak™ spots.

- Two sizes
- Two finishes: White or Black
- 359° rotation
- Choice of beam angles

Track Elements & Decoratives

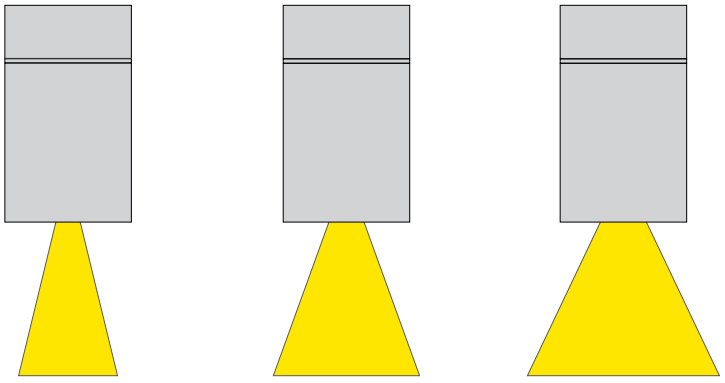
32



Narrow beam

Wide beam

55



14°
Narrow beam

35°
Medium beam

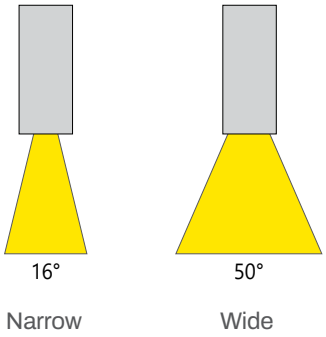
55°
Wide beam

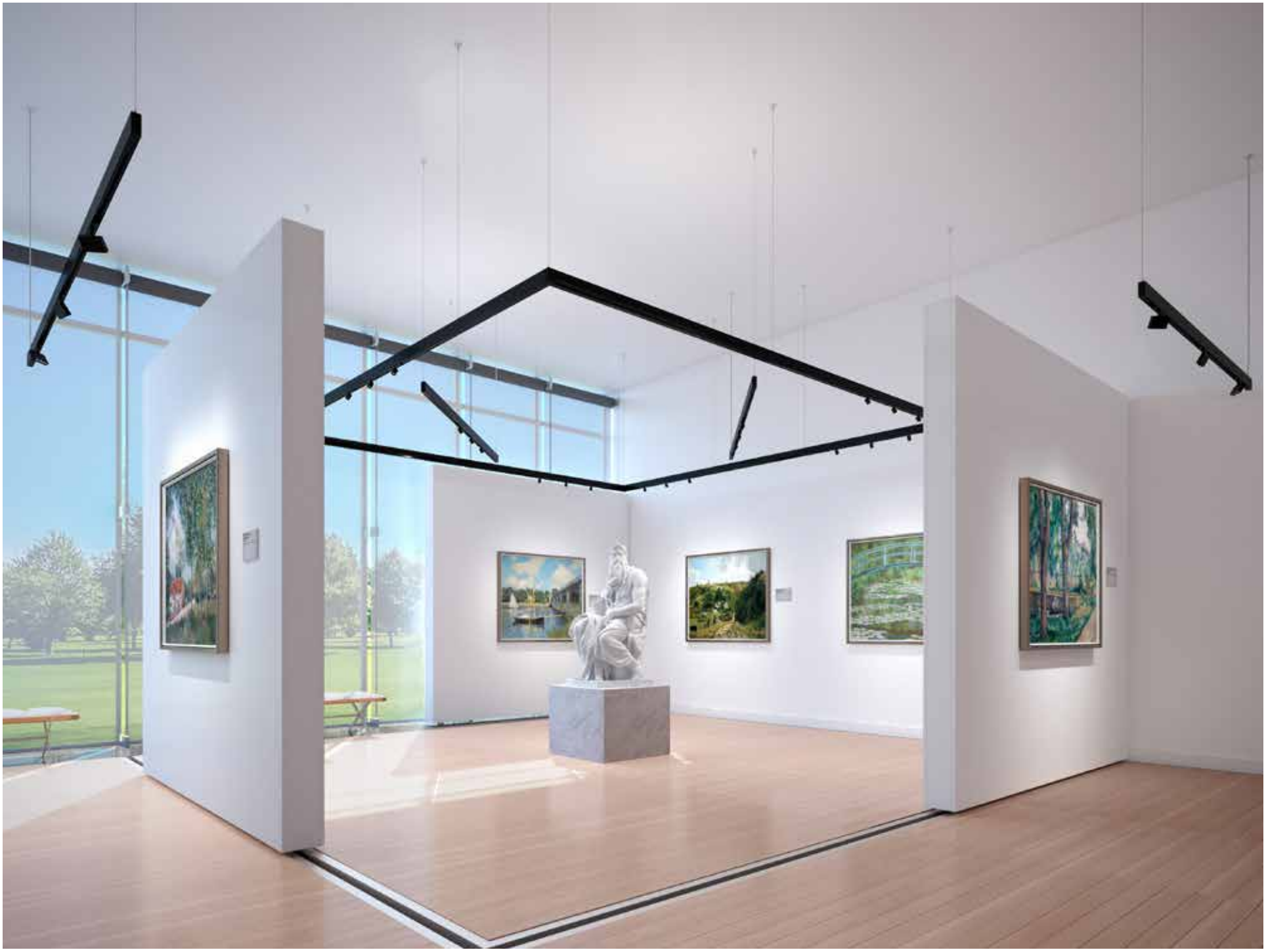
Track Elements & Decoratives

Constellation Projector

The stars align with the Constellation Projector. Illuminate with precision and bring out the best in architectural elements. Draw attention with the superior aiming flexibility of 359° rotation and 90° tilt.

- Adjustable tilt
- Two finishes: White or Black
- 359° rotation
- Choice of beam angles





Track Elements & Decoratives

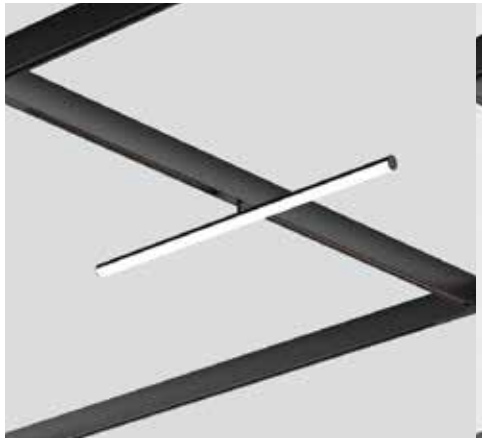
Orbit Tube Family

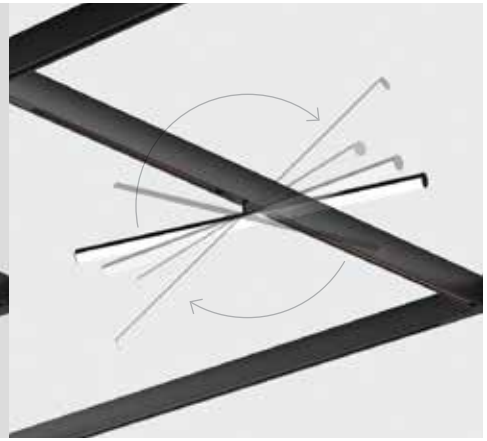
Disseminate innovative blades of light in unique arrays with the bold, modern look of Orbit Tube. Ideal for creating movement and enhancing your StencilFlex® layout with dynamic layers of direct light, Orbit Tube features a choice of styles and orientations for added design flexibility.

- Robust tube construction
- Two finishes: White or Black
- Direct lighting with frosted lens
- Three models: Pivot, Stagger, Bridge

Pivot

An easy-to-tweak lighting instrument that is sure to make an impact. Pivot enables fully adjustable aiming with clockwise and counterclockwise rotation and up-down tilting. This Orbit Tube version comes in 3’ lengths.

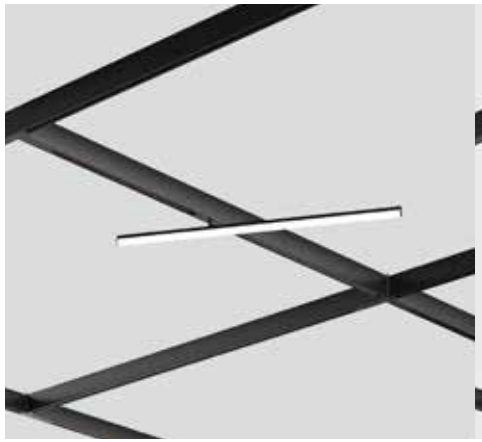


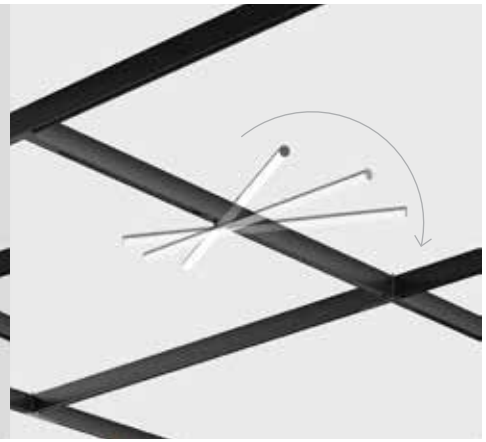


Track Elements & Decoratives

Stagger

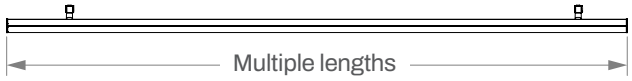
The Orbit Tube Stagger version makes a statement using asymmetric positioning, especially in grouped layouts. It ensures rotational aiming using an AxisTrak™ adaptor mounted at 2/3 of the length of the tube. This model is offered in 3’ lengths.

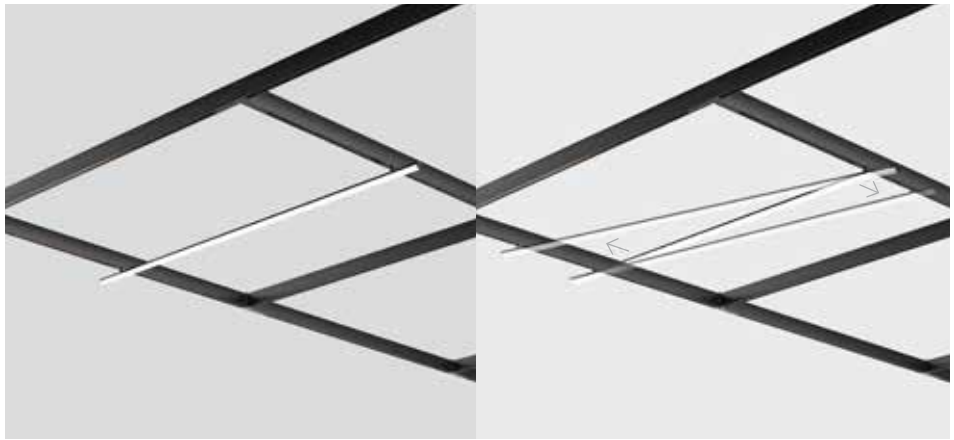


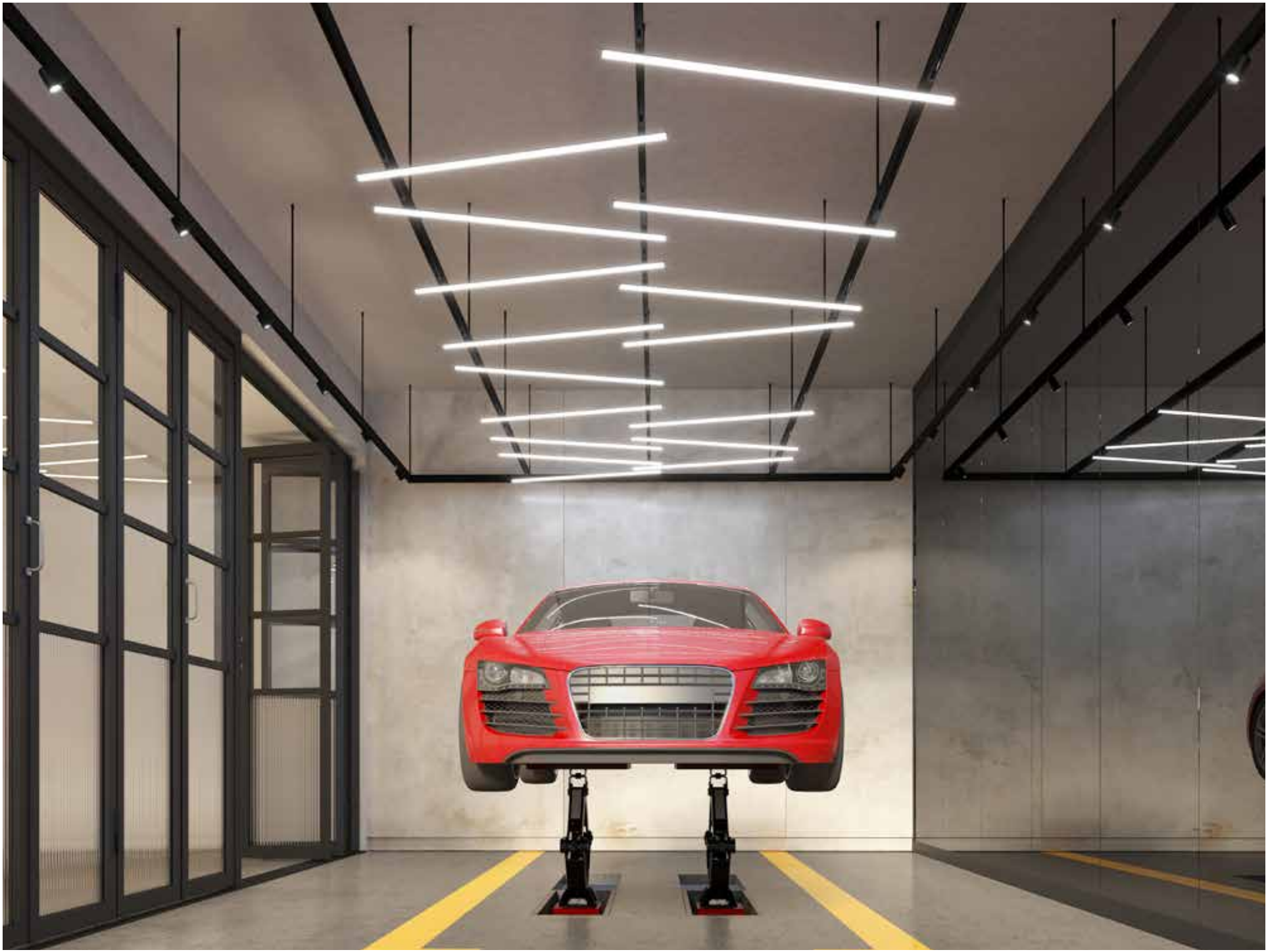


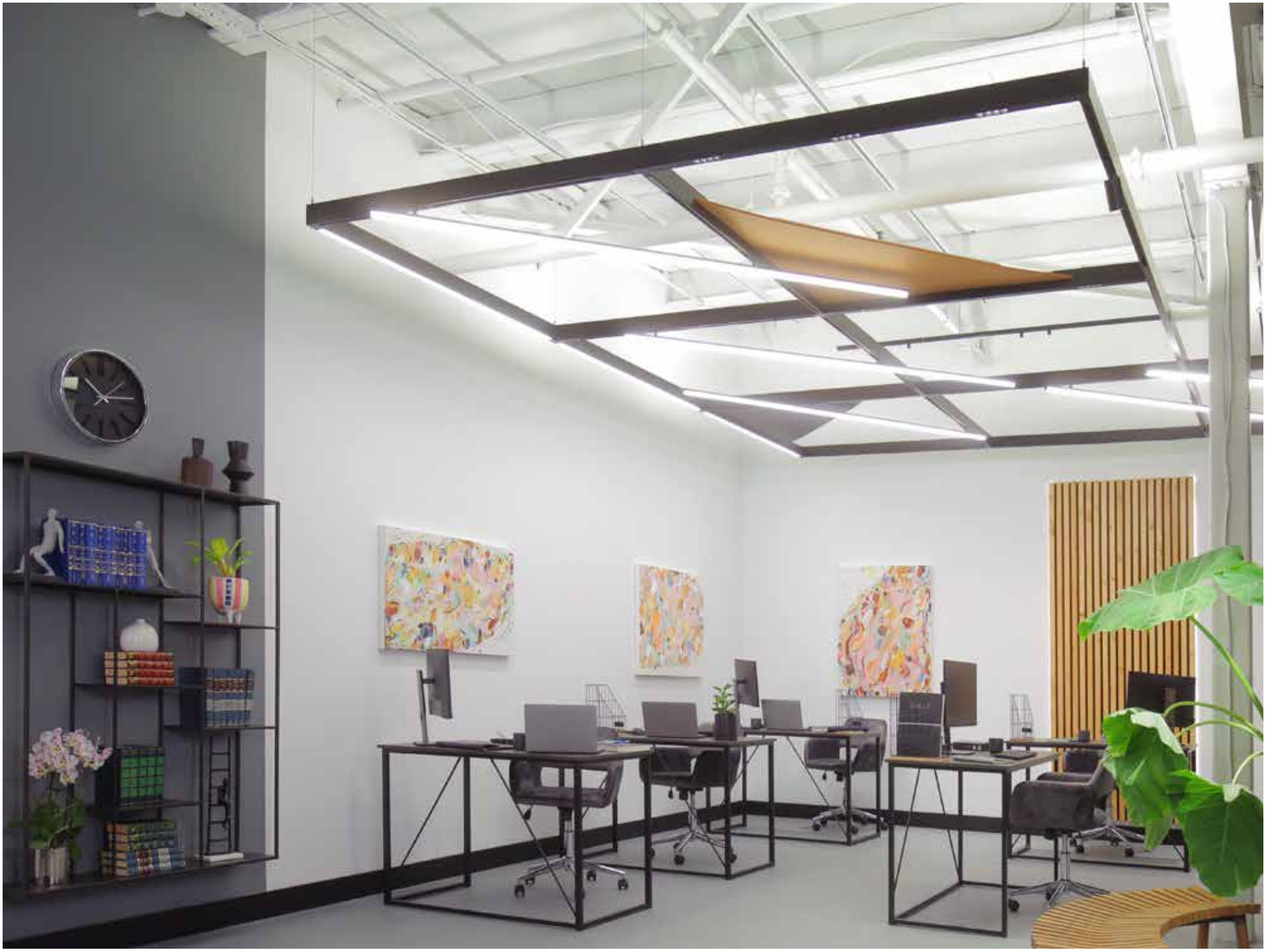
Bridge

The Bridge offers exciting lighting design opportunities by creating links of different lengths between segments. It uses a rotational mounting device on one segment and a fixed mount on the second segment. This Orbit Tube is available in lengths of 4’, 5’, 6’, 7’, 7.5’ and 8’.









Track Elements & Decoratives

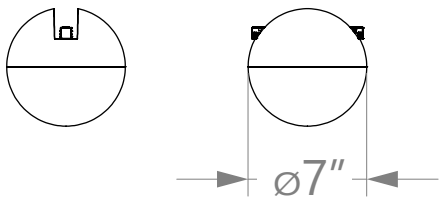
Luna Orb Family

Soften your surroundings with the round embrace of Luna Orb. Pendant version compatible with Mini Power Insert and available as standalone.

- Two orientation options: straight or 30° lens angle
- Two finishes: White or Black
- Three models: Saddle, Flush, Pendant

Saddle

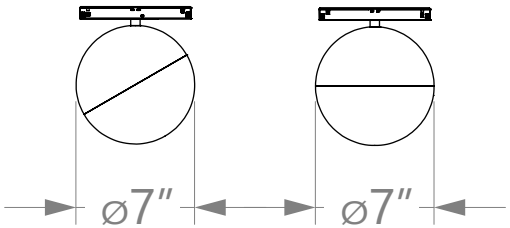
Luna Orb version mounted in an inset position that appears to straddle the segment extrusion. AxisTrak™ mounting only.



Track Elements & Decoratives

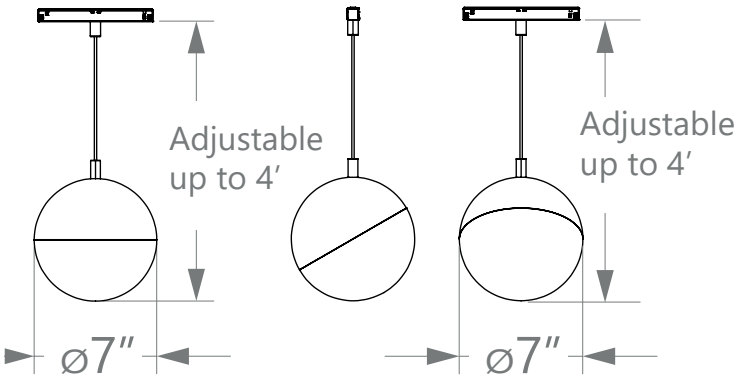
Flush

This model is affixed level with the segment for a clean look. AxisTrak™ mounting only.



Pendant

Unlike the two previous models, Luna Orb Pendant can be mounted using AxisTrak™ and two other techniques, including the highly cost-effective Mini Power Insert (MPI).



Track Elements & Decoratives

Chime Family

Jewelry-inspired pendants combining real wood construction and stunning chrome trims. Use in singles or groupings to define areas, or create a staggered look to showcase a larger space.

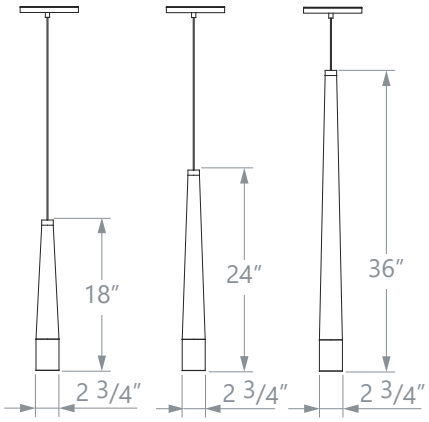
- Choice of lengths and beam angles.
- 2 models: Taper & Cylinder

StencilFlex
Layer of lighting reinverted

Track Elements & Decoratives

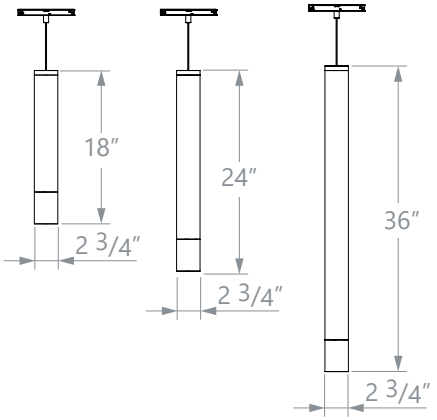
Chime Taper

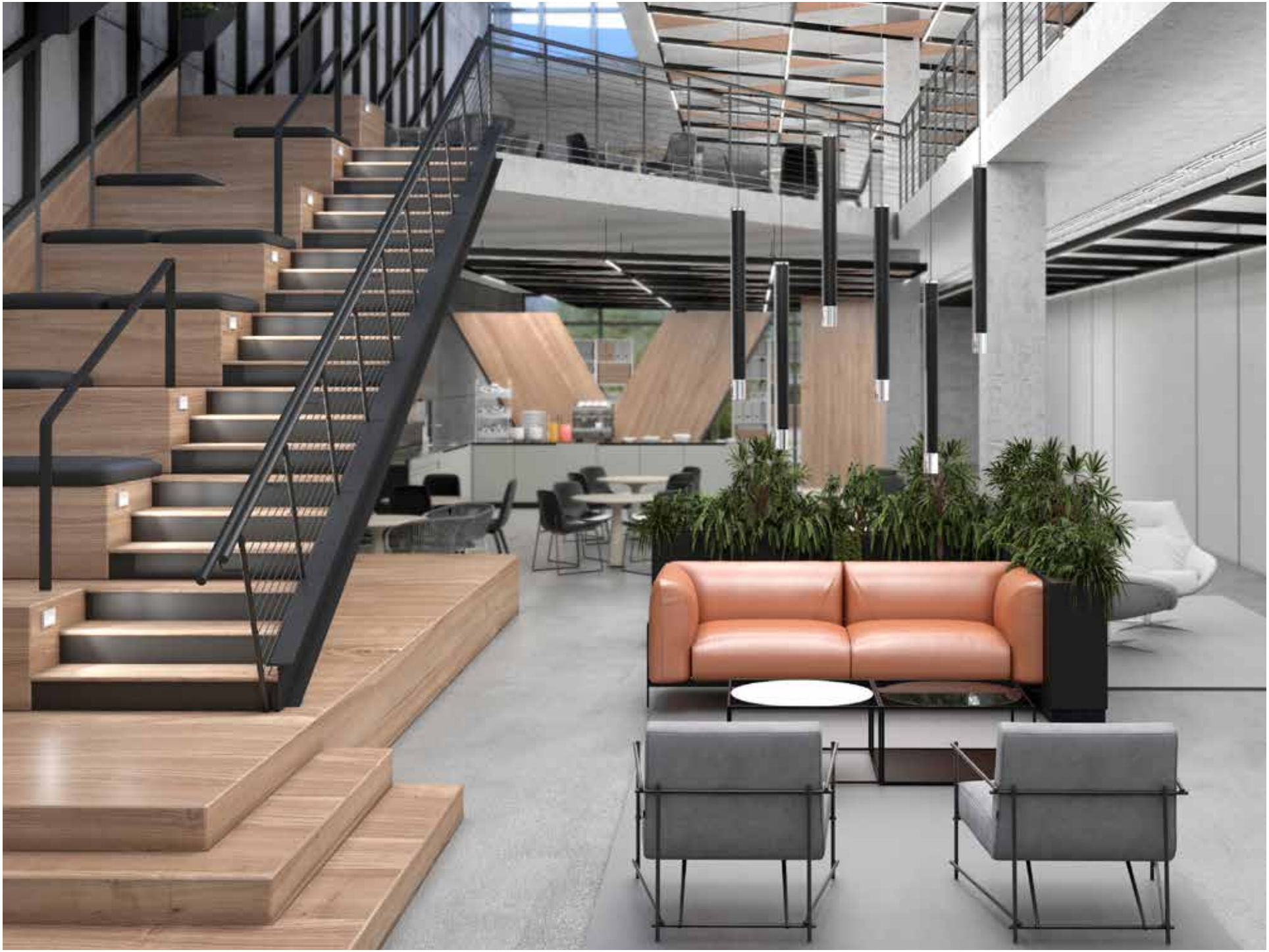
- Finish: Natural Maple (real wood)
- Metal Trim Finish: Chrome
- Narrow, medium, wide beam angles



Chime Cylinder

- Three finishes: Natural Maple (real wood), White (metal) or Black (metal)
- Metal Trim Finishes: Chrome, White or Black
- Narrow, medium, wide beam angles





Track Elements & Decoratives

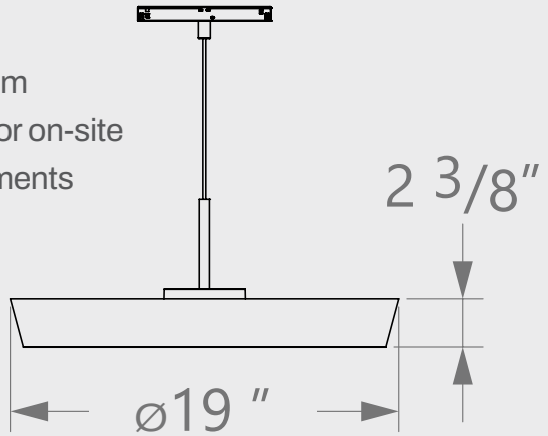
Helios Disk

Helios Disk provides affordable ambient lighting in a fresh and sophisticated form factor.

Featuring a rounded profile reminiscent of the sun, Helios Disk is a decorative pendant that packs a punch. With its outstanding performance and smooth optics, this troffer alternative delivers a uniform, diffuse glow that can illuminate large areas. The tapered rim adds elegance to the shallow disk housing.

Features

- Regressed lens
- Two finishes: White or Black
- Direct lighting with frosted lens
- Lens diameter: 18”
- Cable mount
- Output: up to 2000 lm
- Adjustable gripper for on-site cable length adjustments



Pendant Swag Mounting

Bring your pendant lighting element exactly where you need it. Use a Swag Hook or Swag Rail with sliding hook, or both, to customize and complement your StencilFlex® layout.

Two available mounting options:

- Fixed ceiling mounting with Swag Hook
- Sliding/adjustable mounting with Swag Rail

The Swag Hook mounts on the ceiling, allowing you to install pendants with pinpoint accuracy.

The Swag Rail is surface mounted. The suspension hook slides along the supplied unpowered rail, ensuring future-proof adjustability. The Swag Rail can house multiple hooks for pendant light grouping.

Swag Hook

Swag Rail

Universal Adaptors

The promise of even greater flexibility
Style-match luminaire forms like never before. Combine third-party brands to unify lighting design in the space. Integrate your favorite decorative pendants to complement StencilFlex® and AxisTrak™ layouts.

It's all about embracing an even broader range of decorative applications for StencilFlex® and AxisTrak™ layouts, in recognition that certain lighting projects require very specific esthetics.

Thanks to a choice of universal adaptors, Axis is able to offer brand-agnostic pendant-mount possibilities. Indeed, StencilFlex® and AxisTrak™ can integrate virtually any third-party pendant-mount luminaire, resulting in unlimited decorative lighting options.

Universal MPI Adaptor

- Interchangeable 14” Mini Power Insert slots directly in StencilFlex® segment using IMW™ wire-in terminal supplied
- Field cuttable blanks supplied for unused part of segment cavity
- Cable mounting
- Compatible with most third-party decorative pendants
- Choice of integral constant-current or constant-voltage (12v) drivers
- Adaptor requires wiring to luminaire by certified electrician

Universal AxisTrak™ Adaptor

- Fully interchangeable – Mounts anywhere along AxisTrak™ Insert
- Fully adjustable – Locking mechanism secures Universal AxisTrak™ Adaptor in place
- Cable mounting
- Compatible with most third-party decorative pendants
- Choice of integral constant-current or constant-voltage (12v) drivers
- Adaptor requires wiring to luminaire by certified electrician

The Universal MPI Adaptor expands decorative lighting options by supporting third-party pendant-mount luminaires.

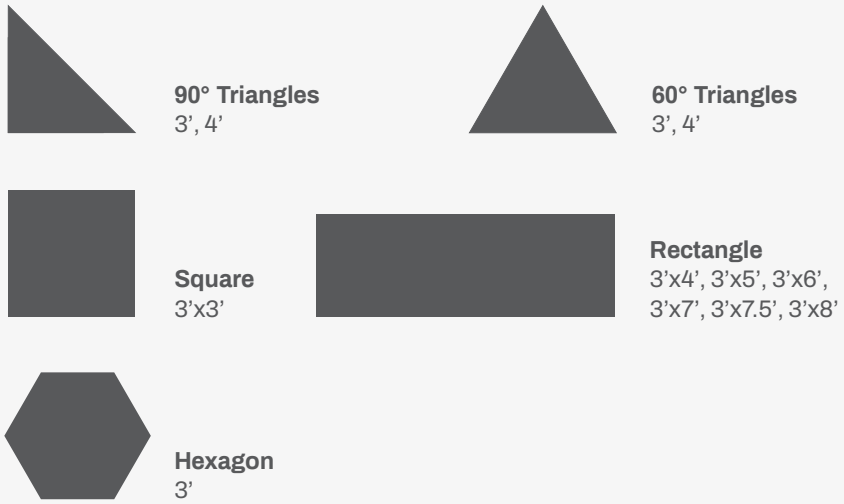
Acoustic Solutions

Integrated sound attenuation
LattiX™ grids and SoftZone® panels improve acoustics by enhancing speech clarity where needed and by preventing people's conversations from disturbing others. They feature a modular approach that lets you vary the quantity of grids or panels required to achieve the desired level of sound.

SoftZone® Acoustic Panels

Framework and inserts sold separately

Choice of SoftZone® acoustic panels



90° Triangles
3', 4'

60° Triangles
3', 4'

Square
3'x3'

Rectangle
3'x4', 3'x5', 3'x6', 3'x7', 3'x7.5', 3'x8'

Hexagon
3'

LattiX™ Acoustic Grid

Choice of LattiX™ acoustic grids

LattiX™ 2'x2' 24" Cell Grid

LattiX™ 3'x2' 24" Cell Grid

LattiX™ 3'x3' 24" Cell Grid

Two-tone acoustic design
featuring SoftZone® 90° panels

LattiX™ acoustic grids
featuring wood textures.

Acoustic Panels

SoftZone®

Affordability
Less costly than building separate acoustic tile ceilings.

Layering
Leverage StencilFlex® design capabilities to modulate layers of sound attenuation.

Scalability
Add SoftZone® panels in step with the development needs of any space.

Cost-effective retrofit possibilities
SoftZone® panels can be easily reconfigured or added to existing StencilFlex® layouts.

Adaptability
Create neighborhoods of noise control by using SoftZone® where you need sound attenuation.

Easy to install and move
SoftZone® panels are easy to install and move around on the StencilFlex® frameworks.

40 colors to choose from to match interior design elements

Acoustic Grids

LattiX™

Architectural integration
LattiX™ acoustic grids integrate within the StencilFlex® Framework at a low installation cost by merging light and acoustic needs into one solution.

Sustainable materials
Sound-absorbing grid segments are colorfast, easy-to-clean and made with 60% recycled material (PET felt).

Lighting versatility
StencilFlex® Frameworks* with LattiX™ grids support linear lighting inserts and decorative lighting elements.

Easy installation
LattiX™ acoustic grids come in kits including easy-to-assemble felt segments for trouble-free mounting. No added support cables required to mount to the ceiling. Lattix™ suspends directly to the StencilFlex® Framework.

Design flexibility
LattiX™ grids mount on a variety of framework dimensions and layouts* to meet different interior design needs. Easy to remove for easy access to plumbing/ HVAC.

Adaptability
Create neighborhoods of intimacy by using LattiX™ wherever you need sound attenuation.

* Framework sold separately.

16 LattiX™ grid colors and wood finish
to choose from to match interior design elements

LattiX™ grid colors

LattiX™ wood finish

Lexicon

In launching StencilFlex®, Axis is breaking new ground with multiple innovations that extend the vocabulary of architectural pendant lighting and give broader meaning to design freedom.

AxisTrak™

Track lighting technology by Axis facilitating energy code compliance through selective, cost-effective use of track elements in pendant, recessed and surface layouts, with mini constant-voltage driver in every segment.

AxisTrak™ Insert

One of three prewired inserts suited for StencilFlex® segments, with integral driver and full track lighting adjustability. Accepts AxisTrak™ lighting elements as well as decorative pendants by Axis and others.

Empower

Wireless platform for StencilFlex® layouts, enabling individually controlled inserts and custom groupings, and featuring open-standard technology to facilitate programming through preferred vendors.

F.L.E.X Technology™

Combines a line-voltage Framework, Lighting inserts, Empower wireless control and an X factor: more design freedom than ever before, while meeting all energy and emergency code requirements.

Framework

Cost-effective line-voltage structure made of prewired IMW™ segments and StencilFlex® Hubs, facilitating the design and installation of an architectural delivery system for layers of light, without remote drivers.

IMW™ Segments

Prewired segments featuring patented IMW™ (Integral Modular Wiring™) technology, with upper/lower cavities and line-voltage terminals for lighting insert wiring, used for building frameworks with StencilFlex® Hubs.

IMW™ Technology

Patented IMW™ (Integral Modular Wiring™) is a new cost-effective approach to wiring luminaires, featuring line-voltage delivery of light, easy energy compliance, low-cost installation, fewer power drops and no remote drivers.

LattiX™ Acoustic Grids

Choice of three LattiX™ grid arrays for architecturally integrated sound attenuation in StencilFlex® frameworks. Offered in a range of finishes, LattiX™ combines with all available StencilFlex® lighting insert options.

Lighting Inserts

Choice of three Nomadic™ interchangeable modules (Linear, AxisTrak™ or Mini Power Insert) suited for StencilFlex® segments, with wiring-in terminals and integral mini driver, for delivering different layers of light.

Linear Lighting Insert

Interchangeable insert suited for StencilFlex® segments, offering a range of direct and indirect linear lighting elements extending the whole length of a segment, with integral mini driver and wiring-in terminals.

MikroLite®

Mini downlighting technology by Axis with elegant square-in-square beveled optics. Available as a linear lighting insert on StencilFlex®, as an option on other luminaires and as a standalone product (Pixel®).

Mini Power Insert (MPI)

Interchangeable insert suited for StencilFlex® segments, prewired to decorative pendants by Axis and adaptable to third-party pendants, with integral mini driver, wiring-in terminals and blanks for filling unused segment cavity.

Nomadic™ Technology

Developed for easy insert installation and interchangeability (with assistance of electrician), featuring constant-current mini driver (constant-voltage mini driver in AxisTrak™ Inserts) and IMW™ compatible wiring-in terminal in every insert.

Pendant Swag Mounting

Slick surface-mounted accessories for suspending pendant luminaires directly above the lighting task, including a single hook or a rail with sliding hook(s). For StencilFlex® layouts and standalone applications.

SoftZone® Panels

Optional acoustic panels come in multiple shapes and colors for architecturally layered sound attenuation in StencilFlex® frameworks where required. SoftZone® is also available with other luminaires.

Stencil®

Luminaire family that inspired the development of StencilFlex®, featuring a 1” aperture form factor and design flexibility, with segments and Hubs for creating geometric shapes and patterns of all sizes.

StencilFlex® Hubs

Set of 11 oversized Stencil® Hubs used to create linear shapes and geometric forms in a StencilFlex® framework, featuring patented die-cast construction and mechanical, wireway and suspension functions.

Third-party Pendants

To meet special lighting design needs, virtually all decorative pendants by others can be fitted with Universal Adaptors for AxisTrak™ Inserts or Mini Power Inserts (assistance of electrician required).

Universal Adaptors

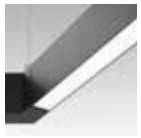
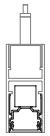
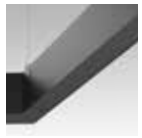
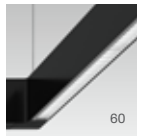
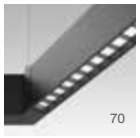
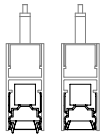
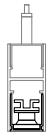
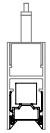
The key to StencilFlex® brand-agnostic pendant possibilities. The AxisTrak™ version ensures adjustability on AxisTrak™ Inserts and the MPI version slots directly into IMW™ segments. Requires assistance of certified electrician.

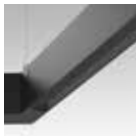
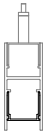
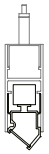
Wall Wash

Specialty asymmetric direct lighting element available as an interchangeable linear lighting insert on StencilFlex®, extending the whole length of a segment, with integral mini driver and wiring-in terminals.

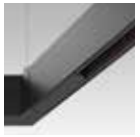
Product Matrix

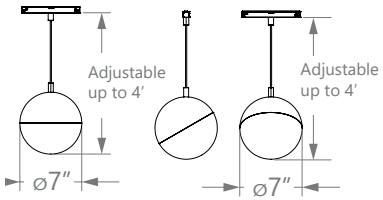
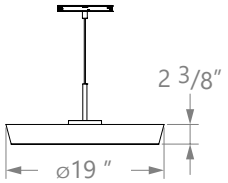
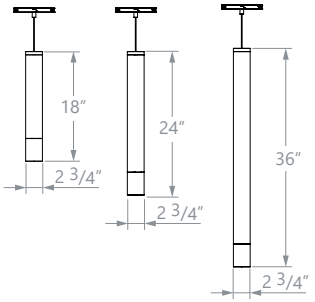
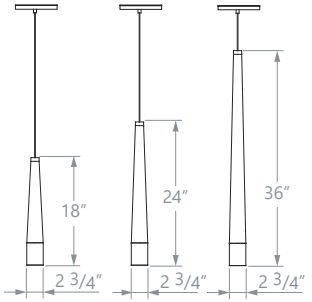
Framework & Controls	Product Image	Section View	Product ID
Framework & Controls			**SFF**

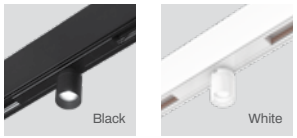
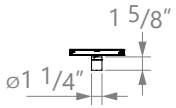
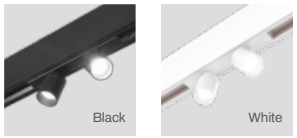
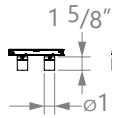
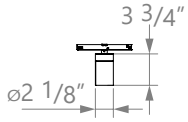
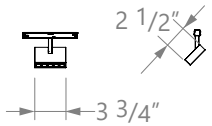
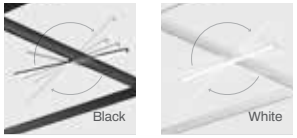
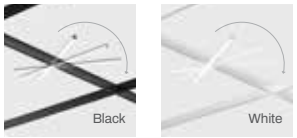
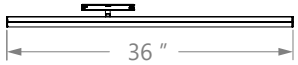
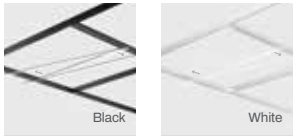
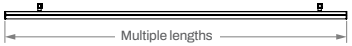
Linear Lighting Direct	Product Image	Section View	Product ID
Flush Lens			**SFLD**SOFL
Flush Blank			**SFLD**BKFL
Louver 60/70	 60  70		**SFLD**LV
MikroLite®	Black Grey		**SFLD**MKL
Regressed Lens	Black Grey Gold White		**SFLD**SORG

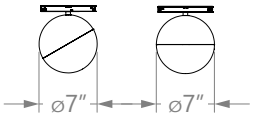
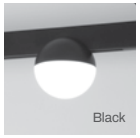
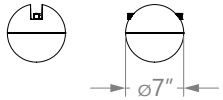
Linear Lighting Direct	Product Image	Section View	Product ID
Regressed Blank			**SFLD**BKRG
Wall Wash			**SFLD**WW

Linear Lighting Indirect	Product Image	Section View	Product ID
SurroundLite™			**SFLI**SL
Blank			**SFLI**BK

AxisTrak™	Product Image	Section View	Product ID
AxisTrak™			**SFLD**AXT

Decorative Pendants	Product Image	Dimensions	Mounting Options	Product ID
Luna Orb - Pendant			AxisTrak™ MPI Junction box	**TD**LOP
Helios Disk			AxisTrak™ MPI Junction box	**TD**HDP
Chime Cylinder			AxisTrak™ MPI Junction box	**TD**CCP
Chime Taper			AxisTrak™ only MPI Junction box	**TD**CTP

Track Elements	Product Image	Dimensions	Mounting Options	Product ID
Stella Spot 32 Single			AxisTrak™ only	**TD**ST32
Stella Spot 32 Double			AxisTrak™ only	**TD**ST32X2
Stella Spot 55 Single			AxisTrak™ only	**TD**ST55
Constellation Projector			AxisTrak™ only	**TD**CP
Orbit Tube Pivot			AxisTrak™ only	**TD**OTP
Orbit Tube Stagger			AxisTrak™ only	**TD**OTS
Orbit Tube Bridge			AxisTrak™ only	**TD**OTB

Track Elements	Product Image	Dimensions	Mounting Options	Product ID
Luna Orb - Flush			AxisTrak™ only	**TD**LOF
Luna Orb - Saddle			AxisTrak™ only	**TD**LOS

Universal Adaptor	Product Image	Product ID
Universal AxisTrak™ Adaptor		**SFTD**UTA
Universal MPI Adaptor		**SFTD**UMPI

SoftZone®	Product Image	Size	Product ID
Triangles 90°		3’, 4’	**SFSZ**
Triangles 60°		3’, 4’	**SFSZ**
Square		3’x3’	**SFSZ**
Rectangle		3’x4’, 3’x5’, 3’x6’, 3’x7’, 3’x7.5’, 3’x8’	**SFSZ**
Hexagon		3’	**SFSZ**

LattiX™	Product Image	Dimensions	Mounting Options	Product ID
LattiX™ 2x2 24” Cell Grid		2x2 24” cells	LattiX™ only	**SFLTX**
LattiX™ 3x2 24” Cell Grid		2x3 24” cells	LattiX™ only	**SFLTX**
LattiX™ 3x3 24” Cell Grid		3x3 24” cells	LattiX™ only	**SFLTX**

StencilFlex®, a simple, cost-effective delivery system for the layers of light you want, where you want them.

Think outside the fixture.

For more information:

- axislighting.com/families/stencilflex
- axislighting.com/innovations/flex
- axislighting.com/innovations/axistrak

To order SoftZone® or Lattix™ samples: link for acoustic solutions

- axislighting.com/resources/softzone-samples

StencilFlex® Luminaire Structure | Patent Number #11,118,765

United States Patent Information: https://patentimages.storage.googleapis.com/47/f7/4c/58da6366ecab6a/US11118765.pdf

LINEAR DIRECT

MIKROLITE® DOWNLIGHTS

WALL WASHING

LINEAR INDIRECT

AXISTRAK™ LIGHTING ELEMENTS

AXIS DECORATIVE LUMINAIRES

THIRD-PARTY PENDANT OPTIONS

SOFTZONE® ACOUSTIC PANELS

LATTIX™ ACOUSTIC GRIDS

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™ and StencilFlex®, 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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