

# suspenders®

Catalog Vol. 5

**SONNEMAN®**  
A WAY OF LIGHT

# suspenders®

Catalog Vol. 5

We continue to expand the functionality, performance, applications, and decorative options for the growing Suspenders system. This volume encompasses the entire expanded range and product offerings of the system as of the date of its publishing.

**Featured Product on Cover:**

Suspenders - freeform shown w/monoline thin cylinder luminaires | Page 72

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## suspenders® is...

A delicately scaled, modular system of interconnected elements and suspended LED Luminaires. Suspenders can be configured and customized as individual lighting sculptures or as a tiered web of infinite scope and variety. The Suspenders system harmoniously integrates functional and decorative Luminaires providing the ability to add focused light or the soft glow of indirect illumination to a variety of lighting applications.

The system is composed of three primary types of elements: horizontal elements called Power Bars, vertical elements called Hangers, and luminous LED elements called Luminaires. These elements are combined and connected to a Power Feed to form a limitless number of LED lighting sculptures.

Multiple U.S. and foreign patents granted and pending.

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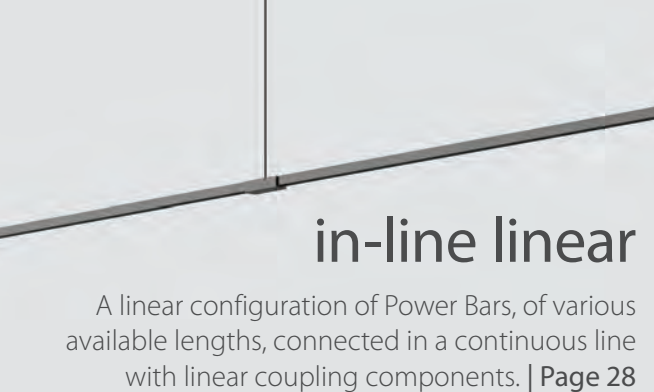
Multiple U.S. and foreign patents granted and pending.

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# CATALOG SECTIONS BY POWER BAR ARRANGEMENTS



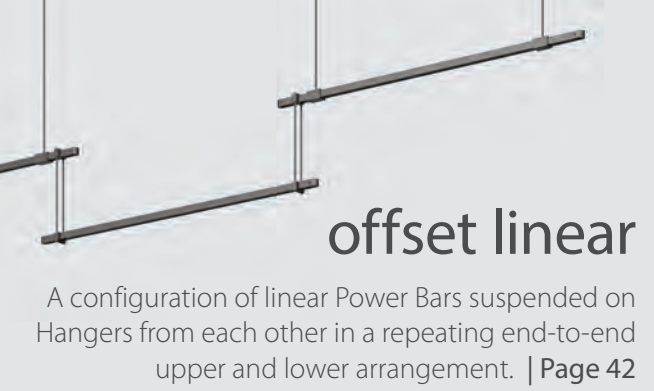
**linear: 1-tier**  
A single linear Power Bar available in a variety of fixed lengths. | Page 12





**in-line linear**  
A linear configuration of Power Bars, of various available lengths, connected in a continuous line with linear coupling components. | Page 28




**tandem**  
A pair of linear Power Bars, suspended in parallel along a common plane from shorter perpendicular bars. | Page 54





**offset linear**  
A configuration of linear Power Bars suspended on Hangers from each other in a repeating end-to-end upper and lower arrangement. | Page 42




**zig zag**  
A configuration of linear Power Bars, suspended from Hangers in a 90-degree orientation to each other, form a continuous cross-over pattern along a centerline. | Page 58



**linear: 2-tier**  
A configuration of two linear Power Bars suspended from Hangers, one below another. | Page 48



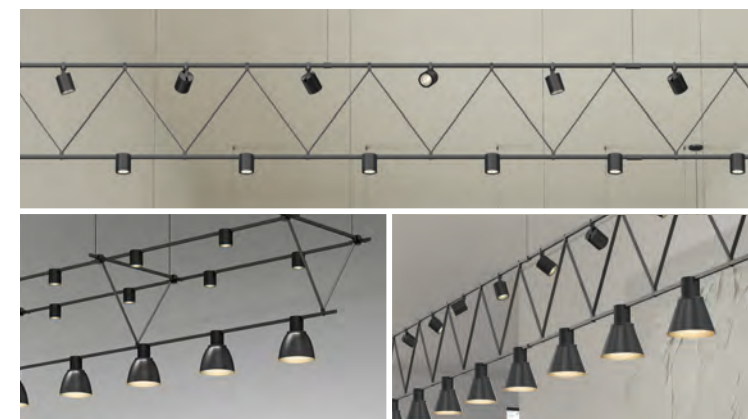


**surface-mounted**  
Layers of Power Bars mounted close-to-surface, with minimal space between the ceiling and the Power Bars. | Page 66



**freeform™**

Power Bars joined by a rotationally adjustable connection, allowing a free range of orientation to each other across a horizontal plane. Freeform enables intersecting Power Bars to be rotated into abstract arrangements and dissimilar angled patterns. | Page 70



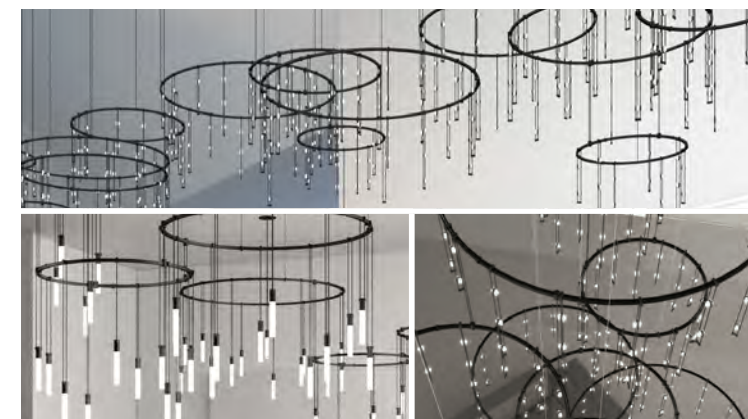
**truss™**

Truss is a dramatically powerful, lightly scaled, architectural element that brings the grit of Industrial Modernism to broad lighting functionality. Available in a two-Power Bar Flat Truss configuration or in a three-Power Bar Triangle Truss configuration, Truss provides multiple lighting capabilities with visual strength and architecturally dramatic impact. | Page 102



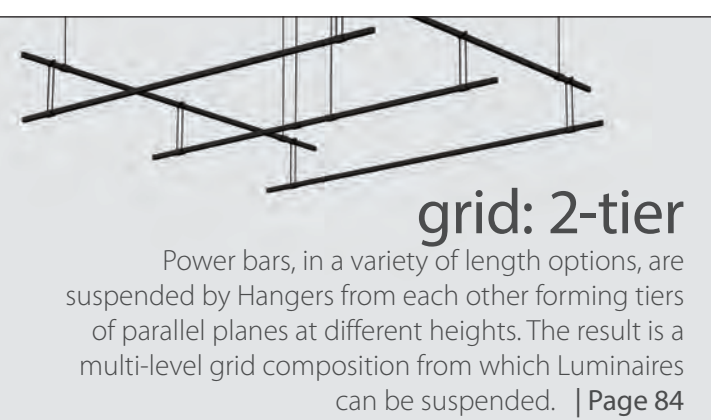
**tri-bar**

A three bar configuration, in a 120 degree orientation to each other, from a fixed center hub. | Page 74



**offset rings**

Set in asymmetrical arrangements to each other, Offset Rings allow Ring configurations to be extended into horizontally and vertically expansive configurations across broad areas of a space. | Page 112



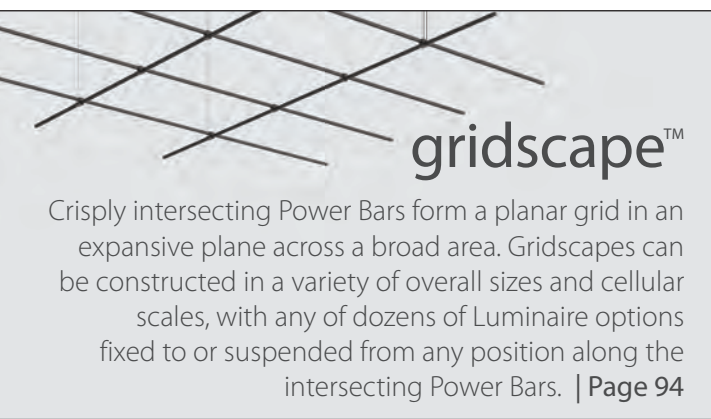
**grid: 2-tier**

Power bars, in a variety of length options, are suspended by Hangers from each other forming tiers of parallel planes at different heights. The result is a multi-level grid composition from which Luminaires can be suspended. | Page 84



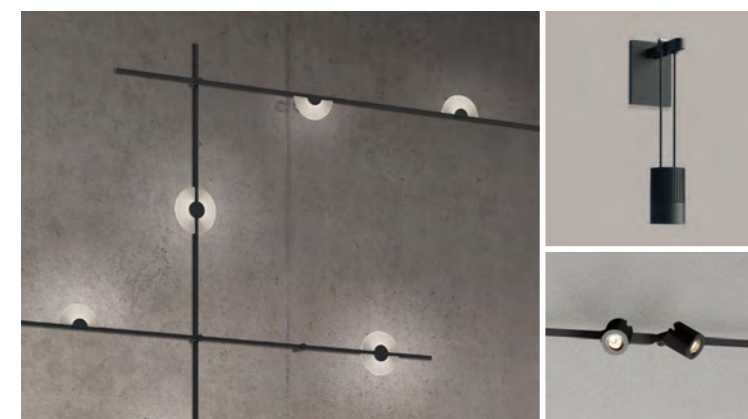

**rings**

Formed into Power Bar Rings of various sizes, Rings allow Luminaires to be suspended around their circumference. In addition, Rings can be suspended from each other in horizontal and vertical offset arrangements. | Page 120



**gridscape™**

Crisply intersecting Power Bars form a planar grid in an expansive plane across a broad area. Gridscapes can be constructed in a variety of overall sizes and cellular scales, with any of dozens of Luminaire options fixed to or suspended from any position along the intersecting Power Bars. | Page 94

**wall-mounted**

No longer limited to ceiling-mounted configurations, Suspenders can now provide its functional and aesthetic lighting variety to the vertical plane of walls in linear or intersecting configurations. | Page 128



truss



gridscape



freeform

## truss

Power Bars are joined with rigid members to form two Truss configurations: a 2-Bar Flat Truss, or a 3-Bar Triangle Truss. In addition, large Gridscapes can be suspended from Truss Hangers, enhancing the structural stability and visual impact of that expansive configuration. An expanded range of lighting options can be fixed to or suspended from the Truss Power Bars.

| Page 102

## gridscape

Gridscapes can be assembled in rectilinear or square configurations in a range of lengths and widths. In addition, multiple Gridscapes can be tiered to each other to bring height and vertical scale to configurations. Suspended across large areas or in smaller dramatic focal points, Gridscape provides the impact of architecturally significant scale, sculptural interest, and lighting functionality.

| Page 94

## freeform

Affixed to or suspended from a ceiling, Power Bars are joined by a rotationally adjustable connection which allows them to be configured into abstract arrangements and dissimilar angled patterns.

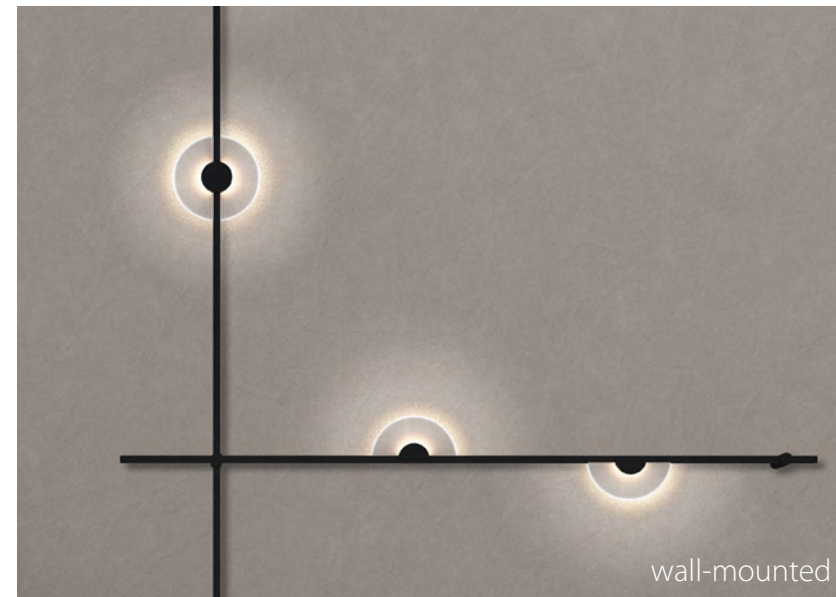
| Page 70

# NEW FOR THIS EDITION

Embracing the modern experience of architecture, design, technology, and our passion for innovation, we have greatly expanded the utility, functionality, performance, applications, and range of decorative options for our growing Suspenders system. Here is a preview of our new introductions.



surface-mounted



wall-mounted

## surface-mounted

Surface-Mounted Power Bars provide a minimal space between the ceiling and the bar. This new feature allows high-performance and decorative Luminaires to be bar-mounted close to the ceiling or suspended from the Power Bars.

| Page 66

## wall-mounted

New Wall-Mounted Suspenders configurations can provide decorative and functional lighting to the vertical plane of a wall in linear or intersecting configurations with several new and existing Luminaire options.

| Page 128

## luminaires

We have more than doubled our range of Suspenders Luminaires to a total of 77, adding 46 new styles, trims, and functions to the 31 prior available lighting options. We have introduced new functionality and performance with 22 new Precise Light Engines and doubled the performance with the new Power Precise Light Engines.

| Page 150



luminaires



Leaf  
1XDXXCL15K

See page 150 for more luminaire options

## linear: 1-tier shown with leaf luminaires

Three aluminum leaf reflectors are poised on intersecting stems in a delicate, open composition of directed illumination.

Multiple U.S. and foreign patents granted and pending.

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**SLS1163**  
Shown: 48" 1-Tier Linear with (4) Leaf Luminaires  
32" H x 49" W x 12" D  
Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
Hanging Height: 33" to 104" MAX H  
LED: 10 Watts, 600 Lumens  
120VAC Input w/24V 60W Transformer in Outlet Box

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See page 150 for more luminaire options  
See page 161 for more Suspenders Precise trim options

## linear: 1-tier

shown with precise suspended cylinder luminaires and parasol shades

Lensed illumination is silhouetted by the delicate ribs of these cone trims suspended from Precise Luminaires.

Multiple U.S. and foreign patents granted and pending.

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**SLS1283**  
Shown: 72" 1-Tier Linear with (5) Precise Suspended Cylinders w/Parasol Shades  
23" H x 73" W x 3" D  
Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
Hanging Height: 24" to 95" MAX H  
LED: 23 Watts, 1400 Lumens  
120VAC Input w/24V 60W Transformer in Outlet Box



**SLS1167**  
 Shown: 96" 1-Tier Linear with (7) V-Line Etched Glass Cone Luminaires  
 34" H X 97" W X 4" D  
 Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 35" to 106" MAX H  
 LED: 25 Watts, 1400 Lumens  
 120VAC Input w/24V 60W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

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Etched Glass Cone  
 1XDXXVC08K  
 Available in 16" and 32" cord lengths.

See page 150 for more luminaire options

## linear: 1-tier

shown with v-line etched  
 glass cone luminaires

Etched white glass cones are suspended from dual round cords spread in a rhythm of intersecting patterns along a Power Bar.



**SLS1159**  
 Shown: 96" 1-Tier Linear with (3) Power Precise Direct Mount Cylinder Luminaires  
 2 1/2" H x 97" W x 2 1/4" D  
 Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 4" to 75" MAX H  
 LED: 24 Watts, 1470 Lumens  
 120VAC Input w/24V 300W Remote Transformer

Multiple U.S. and foreign patents granted and pending.

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Power Precise  
 Direct Mount Cylinder  
 1DXXXCH04K-X

Power Precise  
 Direct Mount Cube  
 1DXXXCH05K-X

See page 150 for more luminaire options

## linear: 1-tier

shown with power precise  
 direct mount cylinder luminaires

Floated below a ceiling atrium, four linear Power Bars with Power Precise Direct Mount Cylinders define the symmetrical geometry of the space.



Branch  
1XDXXCL14K

Available in 9" and 18" cord lengths.

See page 150 for more luminaire options

## linear: 1-tier shown with branch luminaires

Joined in an organic arrangement, the stems of this delicate lighting branch are suspended by cords to a single point of connection. Each of the three stems of the branch composition has a diffused LED light source.

Shown aligned along a linear Power Bar, Branch Luminaires can be arranged on a variety of other suspended configurations both level and inclined.

Multiple U.S. and foreign patents granted and pending.

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**SLS1161**

Shown: 96" 1-Tier Linear with (4) 9" Branch Luminaires + (3) 18" Branch Luminaires  
29" H x 97" W x 12" D  
Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
Hanging Height: 30" to 101" MAX H  
LED: 18 Watts, 1050 Lumens  
120VAC Input w/24V 60W Transformer in Outlet Box



**SLS1284**  
 Shown: 96" 1-Tier Linear with (5) Precise Bar-Mounted Aimable Cylinders  
 4" H x 97" W x 2" D  
 Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 5" to 76" MAX H  
 LED: 23 Watts, 1400 Lumens  
 120VAC Input w/24V 60W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

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Precise Bar-Mounted Aimable Cylinder  
 1XDXXRH01K



Power Precise Bar-Mounted Aimable Cylinder  
 1XDXXRH03K

See page 150 for more luminaire options

## linear: 1-tier shown with precise bar-mounted aimable cylinder luminaires

Perfectly precise and minimal in scale, these aimable Luminaires, aligned along a single linear Power Bar, direct precise illumination toward their objective with multiple available beam spread options.



**S1A36K-JR18XX09-RP11**  
 Shown: 36" 1-Tier Linear with (5) Reflector Luminaires  
 15" H x 36" W x 3 3/4" D  
 Power Feed: 6" DIA w/field-cuttable 18" Rod Hangers  
 Hanging Height: 16" to 34" MAX H  
 LED: 15 Watts, 1050 Lumens  
 120VAC Input w/24V 60W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

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Reflector  
 1XDXXRP11K

See page 150 for more luminaire options

## linear: 1-tier shown with reflector luminaires

Suspended from delicate Hangers, this minimal linear silhouette carries five precisely shaded Reflector Luminaires directing LED lighting down on the surface below.



**SLS1310**  
 Shown: 96" 1-Tier Linear with (15) 9" Linear Rotational Luminaires  
 7" H x 97" W x 17 1/4" D  
 Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 8" to 79" MAX H  
 LED: 86 Watts, 5100 Lumens  
 120VAC Input w/24V 300W Remote Transformer

Multiple U.S. and foreign patents granted and pending.

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9" Linear Rotational Luminaire  
 1XDXXSR01K-09

12" Linear Rotational Luminaire  
 1XDXXSR01K-12

18" Linear Rotational Luminaire  
 1XDXXSR01K-18

See page 150 for more luminaire options

## linear: 1-tier

shown with linear rotational luminaires in suspended and outrigger configurations

Cantilevered along and suspended below a single Power Bar, these Linear Rotational Luminaires, available in three lengths, provide linear illumination with adjustable direction. Aimed downward, outward, or upward, the lighting can be tuned to any combination of direct and indirect illumination as desired.



**SLS1156**  
 Shown: 96" 2-Bar In-Line Linear with (20) Precise Aimable Sphere Luminaires  
 2" H x 193" W x 19" D  
 Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 3" to 74" MAX H  
 LED: 89 Watts, 5320 Lumens  
 120VAC Input w/24V 300W Remote Transformer

Multiple U.S. and foreign patents granted and pending.

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Precise Suspended Aimable Sphere  
 1XDXXRP25K

See page 150 for more luminaire options

## in-line linear

shown with precise  
 suspended aimable spheres  
 in outrigger configuration

Outriggers symmetrically extend the rows of Precise Aimable Spheres cantilevered away from the centerline of a In-Line Linear Power Bar configuration, providing a consistent rhythm of bi-directional illumination.

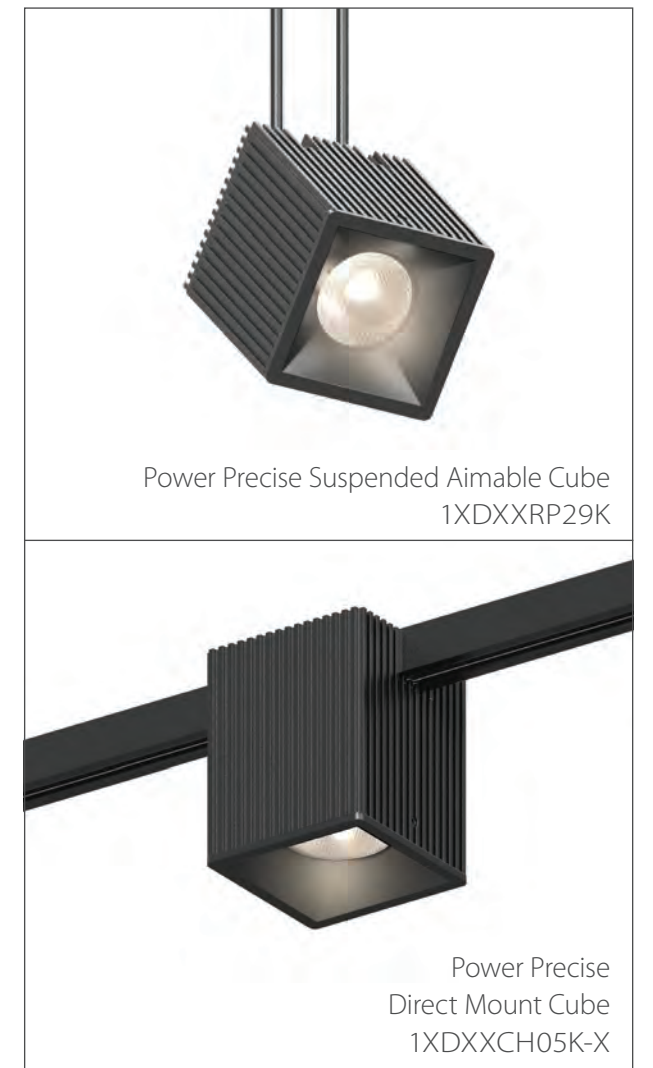




**SLS1160**  
 Shown: 12' In-Line Linear with (11) Power Precise Direct Mount Cube  
 4" H x 145 1/2" W x 2" D  
 Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 5" to 76" MAX H  
 LED: 88 Watts, 5390 Lumens  
 120VAC Input w/24V 300W Remote Transformer

Multiple U.S. and foreign patents granted and pending.

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Power Precise Suspended Aimable Cube  
 1DXXXRP29K

Power Precise  
 Direct Mount Cube  
 1DXXXCH05K-X

See page 150 for more luminaire options

## in-line linear shown with power precise direct mount cube luminaires

Power Precise Direct Mount Cubes are crisply fit along this In-Line Linear Power Bar configuration in both up and down orientations. Also available as Suspended and Aimable Cubes, the geometry of which reinforces the context of this geometrically modern space.



Power Precise Direct Mount Cylinder  
1XDXXCH04K-X



Bell Shade  
1XZ02050 K  
3 beam spreads available.

See page 150 for more luminaire options

See page 163 for more Suspenders Power Precise trim options

## in-line linear

shown with power precise  
direct mount cylinders  
and bell shades

Fixed along an in-line Power Bar, these bar-mounted lensed Power Precise Cylinders are dressed with black aluminum Bell Shade trims, bringing a classic industrial look to a pristine modern environment.

Multiple U.S. and foreign patents granted and pending.

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Custom configuration shown

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Monoline Crystal Cylinder  
1DXXCL04K  
Cord lengths available from 9" to 72".

See page 150 for more luminaire options

## in-line linear shown with monoline™ crystal cylinder luminaires

In-line Power Bars, in two orientations, are suspended at varying heights across a large architectural space. Monoline Crystal Cylinders are suspended in-line along the Power Bars and at progressively angled levels at some areas of incline within the space.

Multiple U.S. and foreign patents granted and pending.

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Custom configuration shown



**SLS0161**

Shown: 36" 3-Bar In-Line Linear with (6) Bar-Mounted Single Cylinders with Parachute Reflectors + (5) Suspended Cylinders  
 23 1/4" H x 110" W x 10 3/4" D  
 Power Feeds: 3 1/4" x 2 1/4" w/field-cuttable 6' Cord Hangers  
 Hanging Height: 24" to 87" MAX H  
 LED: 50 Watts, 3080 Lumens  
 120VAC Input w/24V 75W Transformer in Suspenders Mini Box enclosure

Multiple U.S. and foreign patents granted and pending.

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Precise Bar-Mounted Cylinder  
1DXXCH01K

Precise Suspended Cylinder  
1DXXRP20K

Parachute Reflector  
1XZ010004K

See page 150 for more luminaire options  
 See page 161 for more Suspenders Precise trim options

## in-line linear

shown with precise bar-mounted and suspended cylinder luminaires

Shown with the Bar-Mounted Cylinder with Parachute Reflector trim kit and Suspended Cylinder with Flood Lens trim, Suspenders Power Bars form a continuous in-line run using In-Line Ceiling and Power Feed Hangers.



**SLS0164**  
 Shown: 36" 2-Bar In-Line Linear with (6) Crystal Rods  
 + (2) 24" Light Bars + (4) Bar-Mounted Single Cylinders  
 24 3/4" H x 73" W x 1 3/4" D  
 Power Feed: 3 1/4" x 2 1/4" w/field-cuttable 18" Rod Hangers  
 Hanging Height: 26" to 44" MAX H  
 LED: 49 Watts, 3180 Lumens  
 120VAC Input w/24V 75W Transformer in Suspenders Mini Box enclosure

Multiple U.S. and foreign patents granted and pending.

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24" Light Bar  
 1DXXXLB24K

Precise Bar-Mounted  
 Cylinder  
 1DXXXCH01K

Crystal Rod  
 1DXXXRP15K

See page 150 for more luminaire options

## in-line linear

shown with crystal rod,  
 precise bar-mounted cylinder  
 and light bar luminaires

Harmonious integration of multiple Luminaires provides greatly expanded LED lighting functionality and applications to the Suspenders System. Here a linear configuration combines decorative Crystal Rod Luminaires and up-mounted Light Bars with Bar-Mounted Cylinders, adding a soft glow of indirect illumination to the focused downlights.



Crystal Double Rod  
1XDXXRP13K



Etched Double Rod  
1XDXXRP14K

See page 150 for more luminaire options

## in-line linear shown with crystal double rod luminaires

Crystal Double Rod Luminaires align in a luminous linear formation, suspended from continuous in-line Suspenders Power Bars using Parallel Luminaire Hangers.

This Luminaire can also be hung perpendicular to the Power Bar using a standard Luminaire Hanger. Double Rod Luminaires are also available in clear etched glass.

Multiple U.S. and foreign patents granted and pending.

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**S1U36K-MC06XXA2-RP13**  
Shown: 36" 2-Bar In-Line Linear with (6) Crystal Double Rod Luminaires  
12 3/4" H x 73" W x 3/4" D  
Power Feed: 3 1/4" x 2 1/4" w/field-cuttable 6' Cord Hangers  
Hanging Height: 16" to 34" MAX H  
LED: 21 Watts, 1440 Lumens  
120VAC Input w/24V 60W Transformer in Mini Box enclosure



**SLS0157**  
 Shown: 36" 3-Bar Offset Linear with (5) Suspended Cylinders with Glass Drums  
 + (4) Suspended Cylinders  
 19 3/4" H x 103 1/2" W x 1 3/4" D  
 Power Feed: 6" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 20 3/4" to 92 3/4" MAX H  
 LED: 41 Watts, 2520 Lumens  
 120VAC Input w/24V 60W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

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Precise Suspended Cylinder  
 1XDXXRP20K

30° Spot Lens  
 1XZ010001K

50° Flood Lens  
 1XZ010002K

Glass Drum Diffuser  
 1XZ010003K

See page 150 for more luminaire options  
 See page 161 for more Suspenders Precise trim options

## offset linear

shown with precise suspended  
 cylinder luminaires

Combining etched glass diffused and directional downlight Luminaires, this 3-Bar Offset Linear composition provides a balanced approach to lighting a surface dominated area.



**S1Q36K-JR180662-RP06**  
 Shown: 36" 4-Bar Offset Linear with (16) Drum Luminaires  
 16" H x 136" W x 1 1/4" D  
 Power Feed: 6" DIA w/field-cuttable 18" Rod Hangers  
 Hanging Height: 17" to 35" MAX H  
 LED: 48 Watts, 3360 Lumens  
 120VAC Input w/24V 75W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

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Drum  
 1XDXXRP06K

See page 150 for more luminaire options

offset linear  
 shown with drum luminaires  
 A continuous linear arrangement of Power Bars  
 suspended alternatively from the ceiling and  
 from each other.





**S1P36K-JR180662-SC01**  
 Shown: 36" 3-Bar Offset Linear with (4) Crystal Chiclet  
 Luminaires + (5) Crystal Chiclet Cluster Luminaires  
 15" H X 102" W X 1 1/4" D  
 Power Feed: 6" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 16" to 34" MAX H  
 LED: 31 Watts, 2185 Lumens  
 120VAC Input w/24V 60W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

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Crystal Chiclet  
1DXXRP01K

Crystal Chiclet Cluster  
1DXXHC01K

See page 150 for more luminaire options

## offset linear shown with crystal chiclet luminaire combo

A continuous linear arrangement of Power Bars suspended alternatively from the ceiling and from each other allows Luminaires to be hung offset on two levels. Here, Crystal Chiclet single and Cluster Luminaires are arranged at an even height to maintain a single line of suspension.



**SLS1155**  
 Shown: 48" 2-Tier Linear with (4) Light Guide Disk Luminaires  
 24" H x 37" W x 4" D  
 Power Feed: 6" DIA w/field-cuttable 18" Rod Hangers  
 Hanging Height: 25" to 42" MAX H  
 LED: 16 Watts, 600 Lumens  
 120VAC Input w/24V 60W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

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Light Guide Disk  
 1XDXXRH07K

See page 150 for more luminaire options

## linear: 2-tier shown with light guide disk luminaires

Suspended from another Power Bar above, this two-tier configuration supports fully adjustable Disk Luminaires that provide directable glare-free illumination from light guide panel technology.



Crystal Teardrop  
1DXRRP08K

See page 150 for more luminaire options

## linear: 2-tier shown with crystal teardrop luminaires

Power Bars in a tiered suspension form a silhouette of linear horizontality.

Multiple U.S. and foreign patents granted and pending.

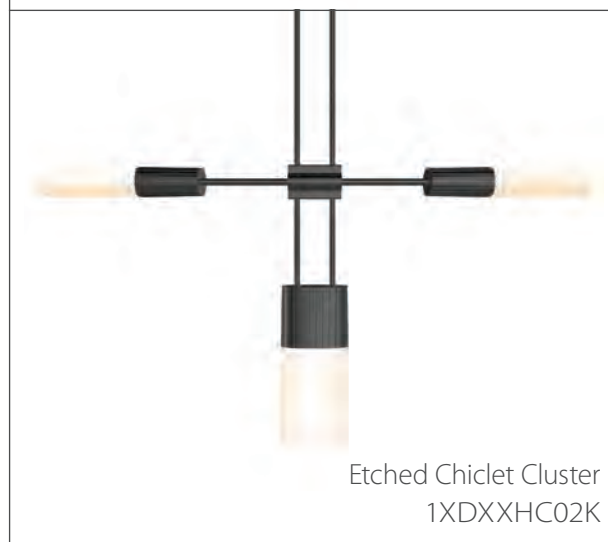
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**S1B48K-JR181212-RP08**  
Shown: 48" 2-Tier Linear with (6) Crystal Teardrop Luminaires  
30" H x 48" W x 2" D  
Power Feed: 6" DIA w/field-cuttable 18" Rod Hangers  
Hanging Height: 31" to 49" MAX H  
LED: 14 Watts, 1050 Lumens  
120VAC Input w/24V 60W Transformer in Outlet Box



Etched Chiclet  
1DXXXRP02K



Etched Chiclet Cluster  
1DXXXHC02K

See page 150 for more luminaire options

## linear: 2-tier shown with etched chiclet luminaire combo

Power Bars in a tiered suspension form a silhouette of linear horizontality that is rhythmically punctuated by the Etched Chiclet Luminaires and Cluster Luminaires.

Multiple U.S. and foreign patents granted and pending.

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**S1B36K-JR181212-SC02**  
Shown: 36" 2-Tier Linear with (3) Etched Chiclet Luminaires  
+ (2) Etched Chiclet Cluster Luminaires  
27" H x 36" W x 11 1/4" D  
Power Feed: 6" DIA w/field-cuttable  
18" Rod Hangers  
Hanging Height: 28" to 46" MAX H  
LED: 14 Watts, 1035 Lumens  
120VAC Input w/24V 60W Transformer in Outlet Box



**S1G48K-JR180606-RP06**  
 Shown: 48" 2-Tier Tandem with (12) Drum Luminaires  
 22" H x 48" W x 13 1/4" D  
 Power Feed: 14" W x 5" D w/field-cutttable 18" Rod Hangers  
 Hanging Height: 23" to 41" MAX H  
 LED: 36 Watts, 2520 Lumens  
 120VAC Input w/24V 60W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

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Drum  
 1XDXXRP06K

See page 150 for more luminaire options

## tandem

shown with drum luminaires

Two parallel Power Bars set in tandem form a broader linear volume by echoing the repetition and cadence of each other's suspended Drum Luminaires.



**S1G48K-JR181818-CL02**  
 Shown: 48" 2-Tier Tandem with (12) Half Etched Cylinder Monoline Luminaires  
 40 1/2" H x 48" W x 12" D  
 Power Feed: 12" W x 5" D w/field-cuttable 18" Rod Hangers  
 Hanging Height: 41 1/2" to 59 1/2" MAX H  
 LED: 51 Watts, 2520 Lumens  
 120VAC Input w/24V 75W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

suspenders



Monoline Half Etched Cylinder  
 1XDXXCL02K  
 Available in 9" and 18" cord lengths.

See page 150 for more luminaire options

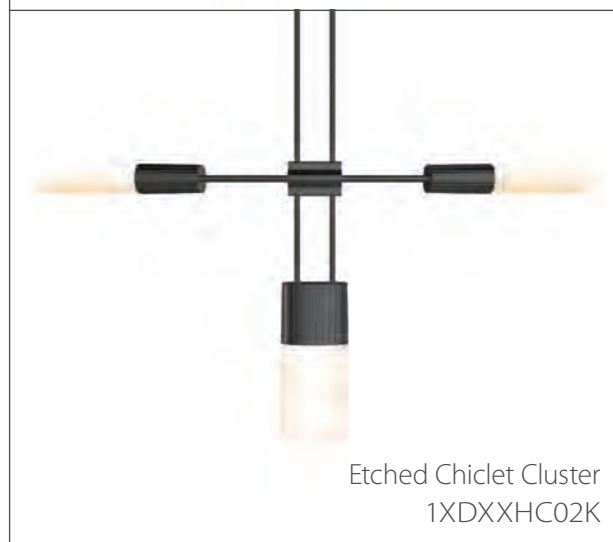
## tandem

shown with monoline™  
 half etched cylinders

Striving to refine in search of simplicity, we introduce these Monoline luminaires to our Suspenders system. Dropped from a single round cord, the lightness of air is captured within the thin glass forms that surround an omnidirectional lensed LED light source.



Etched Chiclet  
1DXXXRP02K



Etched Chiclet Cluster  
1DXXXHC02K

See page 150 for more luminaire options

## zig zag shown with etched chiclet luminaire combo

Power Bars are suspended at right angles to each other, connected by perpendicular Power Bar Hangers. Zig Zag arrangements can be used to form a linear pattern, or combined and oriented to form a broad composition arrayed across the plane of an entire ceiling.

Multiple U.S. and foreign patents granted and pending.

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**S1K36K-JR180612-SC02**  
Shown: 36" S-Bar Zig Zag with (7) Etched Chiclet Luminaires  
+ (8) Etched Chiclet Cluster Luminaires  
21" H x 118" W x 25" D  
Power Feed: 6" DIA w/field-cutttable 18" Rod Hangers  
Hanging Height: 22" to 40" MAX H  
LED: 50 Watts, 3565 Lumens  
120VAC Input w/24V 75W Transformer in Outlet Box



**S1K48K-MC060662-RP12**

Shown: 48" 5-Bar Zig Zag with (25) Wings Luminaires  
 17" H x 161" W x 34" D  
 Power Feed: 3 1/4" x 2 1/4" w/field-cuttable 6' Cord Hangers  
 Hanging Height: 20" to 92" MAX H  
 LED: 40 Watts, 2875 Lumens  
 120VAC Input w/24V 60W Transformer in Suspenders Mini Box enclosure

Multiple U.S. and foreign patents granted and pending.

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Wings  
 1XDXXRP12K

See page 150 for more luminaire options

## zig zag

shown with wings luminaires

Wings soars on the subtle curves of its featherlight sheer profile, shielding and revealing the luminance from within. Viewed from its face, the delicately-flared wings radiate illumination through their gossamer-like surface. Seen in profile, the wings open on edge revealing the LED source and its reflection. In the Zig Zag Suspenders configuration shown here, both views of the Wings are shown in aligned segments.





See page 150 for more luminaire options

See page 161 for more Suspenders Precise trim options

## zig zag

shown with precise bar-mounted duplex cylinder luminaires

Achieve ambient and focused LED illumination from this bi-directional, Power Bar-mounted combination of directional-lensed and glass-diffused Luminaires.

Multiple U.S. and foreign patents granted and pending.

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**SLS0159**

Shown: 36" S-Bar Offset Linear with (8) Bar-Mounted Duplex Cylinders with Glass Drum Diffusers + (7) Bar-Mounted Duplex Cylinders  
9 3/4" H x 106" W x 25" D  
Power Feed: 3 1/4" x 2 1/4" w/field-cuttable 6' Cord Hangers  
Hanging Height: 11" to 83" MAX H  
LED: 135 Watts, 8400 Lumens  
120VAC Input w/24V 300W Remote Transformer



See page 150 for more luminaire options

## zig zag shown with light bar luminaires

Light Bars add a linear dimension of LED illumination along the lengths of Suspenders Power Bars. Functional in both up and down orientations, Light Bars provide indirect or direct illumination to a Suspenders installation. Available in three lengths, Light Bars can be used alone or in combination with other Suspenders Luminaires.

Multiple U.S. and foreign patents granted and pending.

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**S1K36K-JR1806XX-LB24**  
 Shown: 36" 5-Bar Zig Zag with (5) 24" Light Bars  
 7 1/4" H x 106" W x 25" D  
 Power Feed: 6" DIA w/field-cuttable 18" Rod Hangers  
 Hanging Height: 8 1/4" to 80 1/4" MAX H  
 LED: 50 Watts, 3350 Lumens  
 120VAC Input w/24V 75W Transformer in Outlet Box



**SLS1152**  
 Shown: 2-Bar Freeform Surface Mount with (3) 3-Cell Luminaires  
 + (3) 6-Cell Luminaires  
 11" H x 97" W x 97" D  
 Power Feed: 1 1/2" DIA  
 LED: 27 Watts, 1890 Lumens  
 120VAC Input w/24V 60W Remote Transformer

Multiple U.S. and foreign patents granted and pending.

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Precise Suspended Aimable 6-Cell  
1DXXR24K

Precise Suspended Aimable 3-Cell  
1DXXR23K

Precise Bar-Mounted Aimable 6-Cell  
1DXXRH06K

Precise Bar-Mounted Aimable 3-Cell  
1DXXRH05K

See page 150 for more luminaire options

## surface mount

shown with precise 3- and 6-cell  
bar-mounted and suspended  
aimable luminaires

Micro cells of LEDs aligned in linear arrays of 3 and 6 lights provide a performance alternative to the single round directional light.

Packaged within a smaller envelope, its neat minimal form can be set in alignment, parallel with each other along a Power Bar or facing a lighting objective surface.



Custom configuration shown

Multiple U.S. and foreign patents granted and pending.

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Precise Suspended Aimable Cylinder  
1DXXRP21K

Precise Direct Mount Cylinder  
1DXXCH01K-X

See page 150 for more luminaire options

## surface mount shown with precise direct mount and suspended aimable cylinder luminaires

Fixed along a surface-mounted Power Bar arrangement, Suspenders' vast array of available mounting options for Suspenders Precise allows for multiple functionalities, configurations, and lighting performance options. Fixed bar-mounted, aimable, and suspended cylinders with lensed, decorative, and functional trims provide a multitude of lighting options within minimal precision forms.



Monoline Crystal Cylinder  
1DXXCL04K  
Cord lengths available from 9" to 72".

See page 150 for more luminaire options

## freeform shown with monoline™ crystal cylinder luminaires

Freeform, joined by a rotationally adjustable connection of intersecting Power Bars, can be pivoted into abstract arrangements and dissimilar angled patterns. Shown here, ribbed Crystal Cylinder Luminaires are suspended from anywhere along the lengths of the Power Bars.

Multiple U.S. and foreign patents granted and pending.

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**SLS1150**  
Shown: 10-Bar Freeform Zig Zag with (25) 9" Monoline Crystal Cylinder Luminaires  
19" H x 357" W x 85" D  
Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
Hanging Height: 20" to 91" MAX H  
LED: 58 Watts, 4000 Lumens  
120VAC Input w/24V 75W Transformer in Outlet Box



Monoline Thin Cylinder  
1DXXCL11K  
Cord lengths available from 9" to 72".

See page 150 for more luminaire options

## freeform shown with monoline™ thin cylinder luminaires

Spread across a large interior space, three eight-foot long Power Bars suspended below each other carry rows of Monoline Thin Cylinders in an intersecting pattern, clustered more densely toward the center and thinning out at the exterior extremes.

Multiple U.S. and foreign patents granted and pending.

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**SLS1149**  
Shown: 13' Freeform Tri-Bar with (48) Monoline Thin Cylinder Luminaires  
98" H x 159" DIA  
Power Feed: 6" DIA w/field-cuttable 6' Cord Hangers  
Hanging Height: 99" to 170" MAX H  
LED: 124 Watts, 9300 Lumens  
120VAC Input w/24V 300W Remote Transformer



**S1C24K-JR18XX28-RP02**  
 Shown: 24" 1-Tier Tri-Bar with (6) Etched Chiclet Luminaires  
 21" H X 24" DIA  
 Power Feed: 6 1/2" DIA w/field-cuttable 18" Rod Hangers  
 Hanging Height: 22" to 40" MAX H  
 LED: 10 Watts, 690 Lumens  
 120VAC Input w/24V 60W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

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Etched Chiclet  
 1XDXXRP02K

See page 150 for more luminaire options

## tri-bar: 1-tier

shown with etched  
 chiclet luminaires

Chiclet Luminaires suspended at staggered heights from a 120-degree Tri-Bar form this luminous array of minimalist simplicity.



Branch  
1XDXXCL14K  
Available in 9" and 18" cord lengths.

See page 150 for more luminaire options

## tri-bar: 1-tier shown with branch luminaires

A three-bar configuration, in 120-degree orientation to each other with a fixed center hub, supports six Branch Luminaires with two on each of the three arms. Joined in an organic arrangement, the stems of this delicate lighting branch are suspended by cords to a single point of connection.

Multiple U.S. and foreign patents granted and pending.

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**SLS1165**  
Shown: 24" 1-Tier Tri-Bar with (3) 9" Branch Luminaires  
+ (3) 18" Branch Luminaires  
28 1/4" H X 32" DIA  
Power Feed: 6 1/2" DIA w/field-cutttable 6' Cord Hangers  
Hanging Height: 30" to 100" MAX H  
LED: 15 Watts, 900 Lumens  
120VAC Input w/24V 60W Transformer in Outlet Box





Calla  
1XDXXCL16K

Available in 9" and 18" cord lengths.



Branch  
1XDXXCL14K

Available in 9" and 18" cord lengths.

See page 150 for more luminaire options

## tri-bar: 4-tier

shown with calla luminaires

A three-bar configuration, from a fixed center hub, supports three individual Power Bars suspended below in a 120-degree orientation to each other. Joined in an organic arrangement, the stems of these delicate lighting branches are suspended by cords to a single point of connection and carry shades of luminous polymeric material delicately rolled into calla lily-shaped petals.

Multiple U.S. and foreign patents granted and pending.

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**SLS1164**  
Shown: 48" 4-Tier Tri-Bar with (6) 9" Calla Luminaires + (9) 18" Calla Luminaires  
49" H X 78 1/4" DIA  
Power Feed: 6 1/2" DIA w/field-cutttable 6" Cord Hangers  
Hanging Height: 50" to 121" MAX H  
LED: 138 Watts, 2250 Lumens  
120VAC Input w/24V 60W Transformer in Outlet Box



**S1D48K-JC06XX18-LL01**  
 Shown: 48" 4-Tier Tri-Bar with (54) Ladder Light Luminaires  
 36" H X 49" DIA  
 Power Feed: 6 1/2" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 39" to 111" MAX H  
 LED: 54 Watts, 3240 Lumens  
 120VAC Input w/24V 75W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

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Ladder Light  
 1XDXXLL01K

See page 150 for more luminaire options

## tri-bar: 4-tier shown with ladder lights

Ladder Lights are miniature LED luminaires that snap in place anywhere along a Suspenders double rod Hanger. Soft, radiused disk lenses direct light from the LEDs on both sides, producing a high level of brightness.



Etched Chiclet  
1DXRRP02K

See page 150 for more luminaire options

## tri-bar: 4-tier shown with etched chiclet luminaires

Three Linear Power Bars suspended at staggered heights from a 120-degree Tri-Bar create a sculptural space frame of intersecting elements. The Etched Chiclet Luminaires, shown on 12" Hangers, reinforce the intersecting linearity of this Tri-Bar lighting sculpture.

Multiple U.S. and foreign patents granted and pending.

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**S1D36K-JR18XX12-RP02**  
Shown: 36" 4-Tier Tri-Bar with (15) Etched Chiclet Luminaires  
33" H X 49" DIA  
Power Feed: 6 1/2" DIA w/field-cuttable 18" Rod Hangers  
Hanging Height: 34" to 52" MAX H  
LED: 24 Watts, 1725 Lumens  
120VAC Input w/24V 60W Transformer in Outlet Box



Crystal Chiclet  
1XDXXRP01K

Crystal Chiclet Cluster  
1DXXHC01K

See page 150 for more luminaire options

## grid: 2-tier shown with crystal chiclet combo luminaires

Perpendicular Power Bars on two tiers  
create a cube-like volume from a skeletal  
structural frame.

Multiple U.S. and foreign patents granted and pending.

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**S1H48K-SC060612-SC01**  
Shown: 48" 2-Tier Grid with (6) Crystal Chiclet Luminaires  
and (13) Crystal Chiclet Cluster Luminaires  
21" H x 58" W x 48" D  
Power Feed: 6" DIA w/field-cuttable 6' Cord Hangers  
Hanging Height: 24" to 42" MAX H  
LED: 72 Watts, 5175 Lumens  
120VAC Input w/24V 300W Transformer in Power Feed



**S1H36K-RR180612-SC02**  
 Shown: 36" 2-Tier Grid with (7) Etched Chiclet Luminaires  
 + (12) Etched Chiclet Cluster Luminaires  
 21" H x 46" W x 36" D  
 Power Feed: 6" DIA w/field-cuttable 18' Rod Hangers  
 Hanging Height: 22" to 40" MAX H  
 LED: 69 Watts, 4945 Lumens  
 120VAC Input w/24V 300W Remote Transformer

Multiple U.S. and foreign patents granted and pending.

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Etched Chiclet  
 1DXXXRP02K

Etched Chiclet Cluster  
 1DXXXHC02K

See page 150 for more luminaire options

## grid: 2-tier shown with etched chiclet combo luminaires

Perpendicular Power Bars on two tiers create a cube-like volume from a skeletal structural frame. Alternating etched glass Chiclet and Chiclet Cluster Luminaires reinforce the directional composition of this powerful architectural structure.

# gallery matrix

shown with  
etched chiclet combo luminaires

Seen from below, the right-angled interconnection of tiered elements composes an orderly and precise Gallery Matrix configuration. It is an intricate web of texture and interest that is expandable in length, width, and height.

See Gallery Matrix diagram on pages 148-149

Multiple U.S. and foreign patents granted and pending.

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**SLS0002-SC02**  
Shown: Gallery Matrix with (35) Etched Chiclet Luminaires + (43) Etched Chiclet Cluster Luminaires  
33" H x 243" W x 55" D  
Power Feed: (2) 6" DIA with 6' field-cuttable Cord Hangers  
Hanging Height: 34" to 93" MAX H  
LED: 262W, 18,860 Lumens  
120VAC Input w/(2) 24V 300W Remote Transformers

# precise™ system

Imagine the possibilities. Build a landscape of lighting functionality from the architecture of minimal structure and the purity of geometric simplicity. Suspenders' delicately-scaled modular system of interconnected elements now includes the additional functionality of Suspenders Precise.

Multiple U.S. and foreign patents granted and pending.

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Custom configuration shown

GRID | SONNEMAN  
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Amber Tapered Bell  
1DXRRP19K

See page 150 for more luminaire options

## expanded grid shown with amber tapered bell luminaires

The simplicity of a trumpet-like, cased-glass Tapered Bell Luminaire, repeated along the linear paths of large, concentric squares; the scale beautifully reconciles the volume of a large, architectural space with the elegant simplicity of a minimal, structural profile and the repetition of a single, pure form. Available in Amber, Gray, and White Etched Cased Glass.

Multiple U.S. and foreign patents granted and pending.

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See Expanded Grid diagram on page 146

**SLS0166**  
 Shown: Expanded Grid with (90) Amber Tapered Bell Luminaires  
 Inner: 23 1/4" H x 73 1/2" W x 73 1/2" D  
 Outer: 23 1/4" H x 220" W x 220" D  
 Power Feed: (3) 3 1/4" x 2 1/4" with 6' field-cutttable Cord Hangers  
 Hanging Height: 24" to 96" MAX H  
 LED: 324 Watts, 19,800 Lumens  
 120VAC Input w/(3) 24V 300W Remote Transformers





Monoline Domed Ball  
1DXXCL06K  
Cord lengths available from 9" to 72".

See page 150 for more luminaire options

## gridscape shown with monoline™ domed ball luminaires

A delicately scaled modular system of LED Luminaires provides an extensive range of architecturally impactful lighting capabilities. Shown here, intersecting Power Bars form a dramatically expansive Gridscape across a broad plane within an architectural space. A multitude of Monoline Domed Ball Luminaires are suspended from the grid in a dazzling array of points of light.

Multiple U.S. and foreign patents granted and pending.

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**SLS1141**  
Shown: 96" x 96" Gridscape with (49) 36" Monoline Domed Ball Luminaires  
44" H x 97" W x 97" D  
Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
Hanging Height: 45" to 116" MAX H  
LED: 113 Watts, 7840 Lumens  
120VAC Input w/24V 300W Remote Transformer

GRIDSCAPE™ SONNEMAN  
A WAY OF LIGHT



Power Precise  
Direct Mount Cylinder  
1XDXXCH04K-X



Bezel Trim  
1XZ02010 K  
3 beam spreads available.

See page 150 for more luminaire options

See page 163 for more Suspenders Power Precise trim options

## gridscape

shown with power precise  
direct mount cylinder luminaires  
with bezel trims

Intersecting Power Bars form open grids that float within the volume of an expansive space, punctuated only by twelve Direct Mount Power Precise Cylinders with lensed Bezel Trims. The compelling simplicity of this intersecting geometry defines the essence of modern minimalism and the integrity of the "less is more" mantra of Mies.

Multiple U.S. and foreign patents granted and pending.

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**SLS1147**  
Shown: 96" x 96" Gridscape with (12) Power Precise Direct Mount Cylinders  
3" H x 97" W x 97" D  
Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
Hanging Height: 4" to 75" MAX H  
LED: 96 Watts, 5880 Lumens  
120VAC Input w/24V 300W Remote Transformer

GRIDScape™ | SONNEMAN  
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V-Line Etched Cylinder  
1DXXVC05K  
Available in 16" and 32" cord lengths.

V-Line Crystal Cylinder  
1DXXVC04K  
Available in 16" and 32" cord lengths.

See page 150 for more luminaire options

# gridscape

shown with v-line etched  
cylinder luminaires

Power Bars form a linear planar Gridscape, which can be constructed in a variety of overall sizes and cellular scales. Any of dozens of Luminaire options can be fixed to or suspended from any position along the intersecting Power Bars. Here, etched glass V-Line Cylinders are suspended in a crossover pattern along the open planar grid.

Multiple U.S. and foreign patents granted and pending.

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**SLS1148**  
Shown: 96" x 24" Gridscape with (17) 32" V-Line Etched Cylinder Luminaires  
34" H x 24" W x 96" D  
Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
Hanging Height: 35" to 106" MAX H  
LED: 39 Watts, 2720 Lumens  
120VAC Input w/24V 60W Transformer in Outlet Box



**SLS1146**  
 Shown: 96" x 72" Truss-Suspended Gridscape with  
 (15) 16" V-Line Downlight Cone Luminaires  
 18" H x 73" W x 97" D  
 Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 19" to 90" MAX H  
 LED: 54 Watts, 3000 Lumens  
 120VAC Input w/24V 300W Remote Transformer

Multiple U.S. and foreign patents granted and pending.

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V-Line Downlight Cone  
 1XDXXVC07K  
 Available in 16" and 32" cord lengths.

See page 150 for more luminaire options

## truss-suspended gridscape shown with v-line downlight cone luminaires

A series of Gridscape configurations are suspended from the apexes of triangular Truss Hangers, providing precise locations for the ceiling mounted supporting cables. V-line Downlight Cone Luminaires are suspended in perfect alignment to the Truss forms along the grid, establishing a rhythm and cadence of alignment along a centerline of the trusses and the cord-suspended Luminaires.



**SLS1142**  
 Shown: 14' Flat Truss with (8) Power Precise Direct Mount Cylinders  
 w/Cone Shades + (9) Power Precise Bar-Mounted Aimable Cylinders  
 21" H x 170" W x 6" D  
 Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 22" to 93" MAX H  
 LED: 136 Watts, 8330 Lumens  
 120VAC Input w/24V 300W Remote Transformer

Multiple U.S. and foreign patents granted and pending.

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Power Precise  
 Bar-Mounted  
 Aimable Cylinder  
 1XDXXRH03K

Power Precise Direct  
 Mount Cylinder  
 1XDXXCH04K-X

Cone Shade  
 1XZ02060 █K  
 3 beam spreads available.

See page 150 for more luminaire options  
 See page 163 for more Suspenders Power Precise trim options

## flat truss

shown with power precise  
 cylinders with bezel and  
 cone shade trims

Truss is a dramatically powerful, lightly scaled iconic architectural element that brings strength, visual impact, and the grit of Industrial Modernism to expanded lighting functionality.

A range of lighting options can be fixed to or suspended from each of the upper or lower Power Bars within the Truss that spans a space.

Available in 2-Bar Flat Truss or 3-Bar Triangle Truss configurations, Truss provides new utility and expanded lighting possibilities to an architectural interior.



**SLS1143**  
 Shown: 14' Flat Truss with (8) Power Precise Direct Mount Cylinders  
 + (9) Power Precise Bar-Mounted Aimable Cylinders  
 17" H x 170" W x 3" D  
 Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 18" to 89" MAX H  
 LED: 136 Watts, 8330 Lumens  
 120VAC Input w/24V 300W Remote Transformer

Multiple U.S. and foreign patents granted and pending.

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Power Precise  
 Bar-Mounted Aimable Cylinder  
 1DXXRH03K

Power Precise  
 Direct Mount Cylinder  
 1DXXCH04K-X

See page 150 for more luminaire options

## flat truss

shown with power precise  
 direct mount and bar-mounted  
 aimable cylinders

Spanned across a space and aligned along a wall, three Flat Truss configurations are fitted with Power Precise Direct Mount Cylinder fixed downlights on their lower Power Bars, in addition to individually adjustable Bar-Mounted Aimable Cylinders along their upper Power Bars. This configuration creates dynamically variable lighting options for multiple applications.



**SLS1144**  
 Shown: 14' Triangle Truss with (10) Power Precise Direct Mount  
 Cylinders w/Bell Reflectors + (16) Power Precise Direct Mount Cylinder  
 21" H x 170" W x 25" D  
 Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 22" to 93" MAX H  
 LED: 208 Watts, 12740 Lumens  
 120VAC Input w/24V 300W Remote Transformer

Multiple U.S. and foreign patents granted and pending.

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Power Precise  
 Direct Mount Cylinder  
 1DXXXCH04K-X

Bell Shade  
 1XZ02050■K  
 3 beam spreads available.

See page 150 for more luminaire options  
 See page 163 for more Suspenders Power Precise trim options

## triangle truss

shown with power precise direct  
 mount cylinder luminaires with  
 bezel and bell shade trims

Dramatic and functionally directed  
 downlighting from the combination of lensed  
 Bezel and shielded Bell Shade trims provides  
 controllable illumination in a retail area where  
 form, color, and texture are critical to the viewer.



Power Precise  
Direct Mount Cylinder  
1DXXCH04K-X



Glass Cone Trim  
1XZ020801K

See page 150 for more luminaire options

See page 163 for more Suspenders Power Precise trim options

## triangle truss

shown with power precise  
direct mount cylinder luminaires  
with bezel and glass cone trims

Providing direct downlighting from lensed Power Precise Cylinders along the outer Power Bars, in combination with more diffused general and ambient illumination from the etched white-cased Glass Cone trims along the center Power Bar, this 3-Bar Triangle Truss configuration offers brightness, balance, and scale above a larger surface or across the expanse of a bigger space.

Multiple U.S. and foreign patents granted and pending.

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**SLS1285**

Shown: 96" Triangle Truss with (12) Power Precise Direct Mount Cylinders + (6) Power Precise Direct Mount Cylinders w/Glass Cone Shade  
21" H x 97" W x 25" D  
Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
Hanging Height: 22" to 93" MAX H  
LED: 144 Watts, 8820 Lumens  
120VAC Input w/24V 300W Remote Transformer

TRUSS™ | SONNEMAN  
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**SLS1145**  
 Shown: 96" Triangle Truss with (16) 36" Monoline Thin Cylinder Pendants  
 + (8) Power Precise Direct Mount Cylinders  
 56" H x 97" W x 25" D  
 Power Feed: 5" DIA w/field-cuttable 6' Cord Hangers  
 Hanging Height: 57" to 128" MAX H  
 LED: 112 Watts, 6320 Lumens  
 120VAC Input w/24V 300W Remote Transformer

Multiple U.S. and foreign patents granted and pending.

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Power Precise  
 Direct Mount Cylinder  
 1DXXXCH04K-X

Monoline Thin Cylinder  
 1DXXXCL11K  
 Cord lengths available from 9" to 72".

See page 150 for more luminaire options

## triangle truss

shown with power precise direct  
 mount cylinders and monoline™  
 thin cylinder luminaires

The open triangular frame supports lensed Power Precise Direct Mount Cylinders along the outer Power Bars and provides a center Power Bar from which a row of delicately scaled Monoline Thin Cylinders are suspended in alignment.



Ladder Light  
1DXLL01K

See page 150 for more luminaire options

## offset ring vertical matrix shown with ladder lights

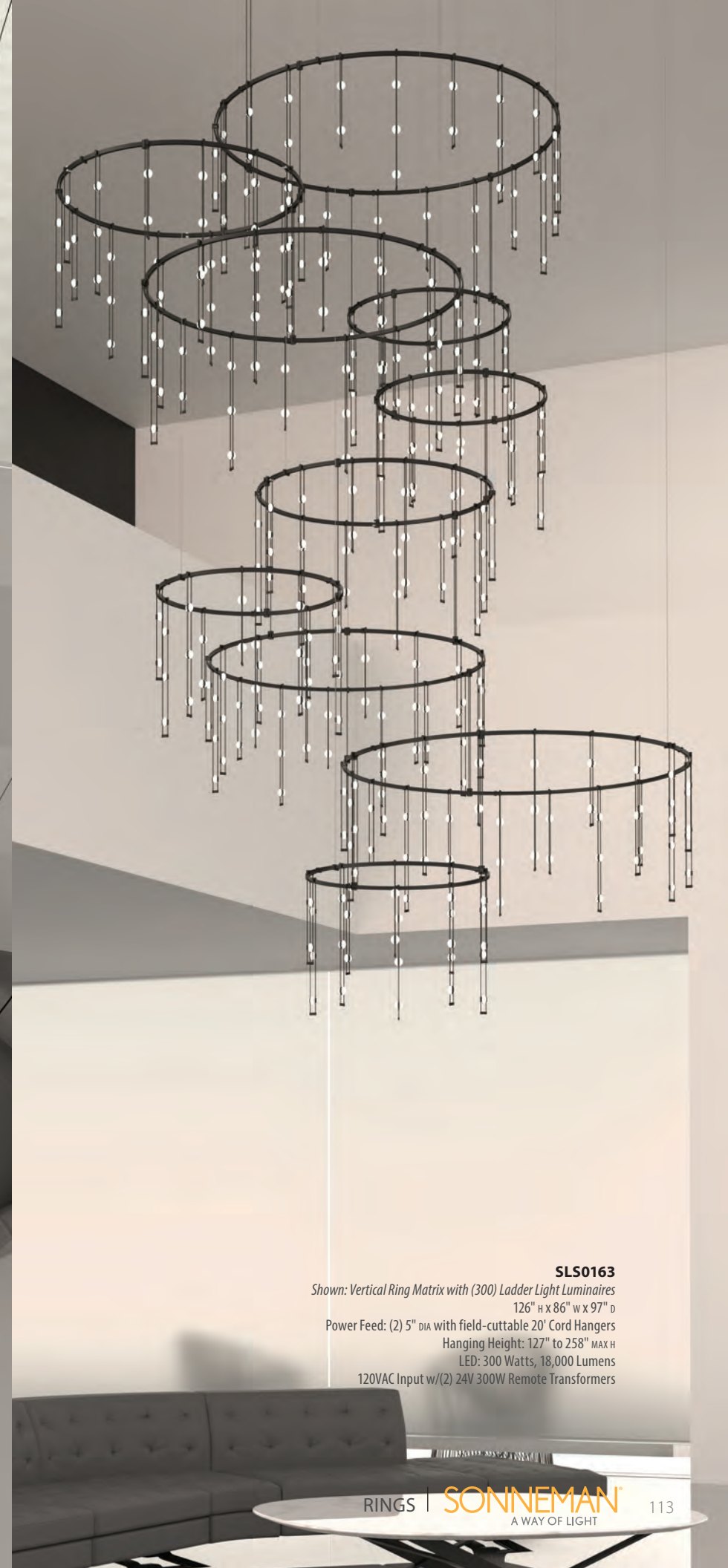
Suspended one below another in slightly offset arrangements these Power Bar rings form a configuration of vertical volume. Suspended around the circumference of each ring are alternate lengths of Ladder Lights Luminaires which fill the vertical voids with dazzling arrays of sparkling LED illuminated acrylic crystals.

Multiple U.S. and foreign patents granted and pending.

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See Offset Ring Vertical Matrix diagram on page 147



**SLS0163**  
Shown: Vertical Ring Matrix with (300) Ladder Light Luminaires  
126" H x 86" W x 97" D  
Power Feed: (2) 5" DIA with field-cuttable 20' Cord Hangers  
Hanging Height: 127" to 258" MAX H  
LED: 300 Watts, 18,000 Lumens  
120VAC Input w/(2) 24V 300W Remote Transformers



Glass Cluster  
1XDXXCL13K

See page 150 for more luminaire options

## offset ring vertical matrix shown with glass cluster luminaires

Clusters of three light glass bubbles suspended around the circumferences of Power Bar rings of varying diameters form dazzling luminous arrays of multiple intersecting groups of lights that shimmer with each other's reflections. Scaled across a broad expanse, these clusters of light fill the volume of space with the impact of dramatic interest and spectacular presence.

Multiple U.S. and foreign patents granted and pending.

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**SLS1168**

Shown: Vertical Ring Matrix with (59) Glass Cluster Luminaires  
128" H x 76" W x 102" D  
Power Feed: 5" DIA w/field-cutttable 6' Cord Hangers  
Hanging Height: 129" to 200" MAX H  
LED: 118 Watts, 8260 Lumens  
120VAC Input w/24V 300W Remote Transformer

RINGS | SONNEMAN  
A WAY OF LIGHT



# offset ring horizontal matrix

shown with with ladder lights

Suspenders Offset Ring System offers the ability to build a virtually limitless range of patterns and configurations of varying heights and widths. Shown here with Ladder Lights on Hangers of various lengths and Rings of various diameters, this spectacular, delicately-scaled Horizontal Matrix configuration expands its offset pattern across the expanse of the ceiling plane.

See Offset Ring Horizontal Matrix diagram on pages 148-149

Multiple U.S. and foreign patents granted and pending.

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**SL50162**  
Includes: Horizontal Ring Matrix with (543) Ladder Light Luminaires  
48" H x 320" W x 92" D  
Power Feed: (4) 5" DIA with field-cuttable 20' Cord Hangers  
Hanging Height: 49" to 258" MAX H  
LED: 543 Watts, 32,580 Lumens  
120VAC Input w/(4) 24V 300W Remote Transformers



Etched Rod  
1XDXXRP16K

See page 150 for more luminaire options

## offset rings shown with etched rod luminaires

Shown here are multiple three-ring configurations of Offset Rings with Suspenders Rod Luminaires in etched glass. Rod Luminaires are also available in clear ribbed seeded crystal. Available in two sizes, this three-ring composition can be assembled into a limitless variety of positions and combinations.

Multiple U.S. and foreign patents granted and pending.

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**S1T01K-RC066828-RP16**

Shown: 24"/32"/40" 3-Bar Offset Rings with  
(36) Glass Rod Luminaires  
43" H x 88" W x 41" D

Power Feed: 5" DIA w/field-cuttable 6' Cord Hanger  
Hanging Height: 44" to 98" MAX H  
LED: 61 Watts, 4320 Lumens  
120VAC Input w/24V 300W Remote Transformer



**S1F38K-SC06XX12-RP04**  
 Shown: 32"/48" Double Ring with (30) Crystal Oval Luminaires  
 15" to 69 1/2" MAX H X 50" DIA  
 Power Feed: 8" DIA w/field-cutttable 6' Cord/Cable Hangers  
 Hanging Height: 42" to 88" MAX H  
 LED: 69 Watts, 4800 Lumens  
 120VAC Input w/24V 300W Transformer in Power Feed

Multiple U.S. and foreign patents granted and pending.

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Crystal Oval  
 1DXXXRP04K

See page 150 for more luminaire options

## double ring

shown with crystal  
 oval luminaires

This delicately scaled, concentrically suspended, two-tier Ring Power Bar configuration carries dazzling Crystal Oval Luminaires in a dramatic composition of depth and breadth.



**S1E24K-JC06XX09-RP03**  
 Shown: 24" Single Ring with (9) Ball Luminaires  
 12" H x 26" DIA  
 Power Feed: 6 1/2" DIA w/field-cuttable 6' Cord/Cable Hangers  
 Hanging Height: 25" to 84" MAX H  
 LED: 21 Watts, 1440 Lumens  
 120VAC Input w/24V 60W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

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Ball  
 1XDXXRP03K

See page 150 for more luminaire options

## single ring

shown with ball luminaires

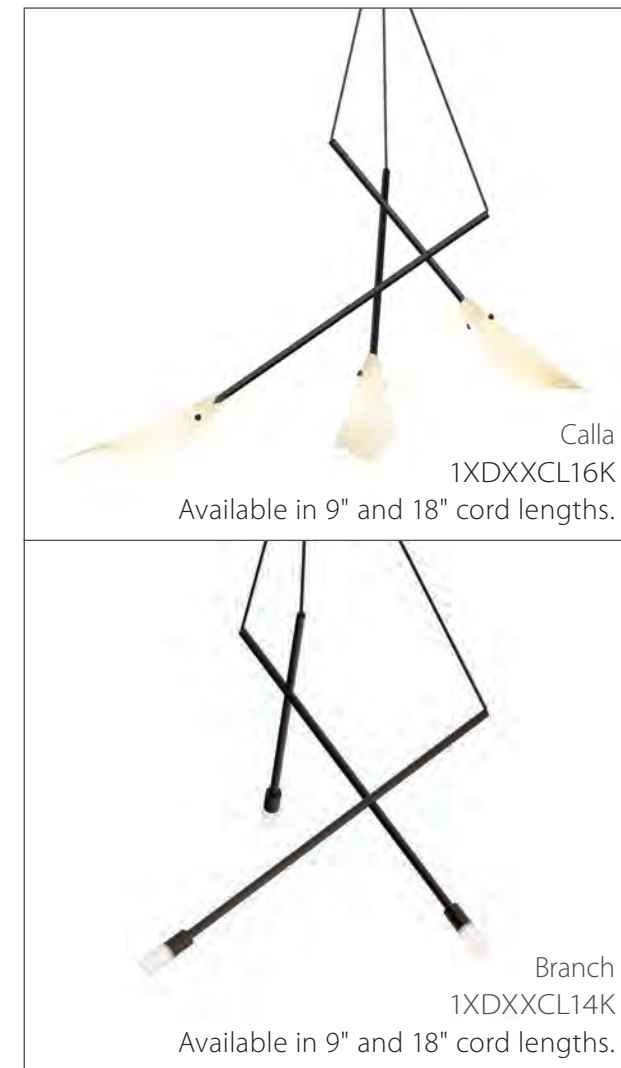
Power Bar Rings, available in four sizes, are individually suspended from cables. Each delicately profiled ring supports suspended Luminaires around its circumference in simple or more complex assortments.



**SLS1169**  
 Shown: 32" Single Ring with (8) 18" Calla Luminaires  
 31" H x 54" DIA  
 Power Feed: 5" DIA w/field-cutttable 6' Cord Hangers  
 Hanging Height: 32" to 103" MAX H  
 LED: 20 Watts, 1200 Lumens  
 120VAC Input w/24V 60W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending.

suspenders



Calla  
 1DXXXCL16K  
 Available in 9" and 18" cord lengths.

Branch  
 1DXXXCL14K  
 Available in 9" and 18" cord lengths.

See page 150 for more luminaire options

## single ring shown with calla luminaires

Calla lily-shaped petal shades of luminous polymeric material are joined in an organic arrangement of delicate lighting branches that are suspended by cords to single points of connection around the circumference of a Ring Power Bar.





**S1E24K-JC06XX18-CL03**

Shown: 24" Single Ring with (9) Monoline Half Etched Sphere Luminaires  
 22 3/4" H x 25" DIA  
 Power Feed: 6 1/2" DIA w/field-cuttable 6' Cord/Cable Hangers  
 Hanging Height: 24" to 82 1/2" MAX H  
 LED: 38 Watts, 1890 Lumens  
 120VAC Input w/24V 60W Transformer in Outlet Box

Multiple U.S. and foreign patents granted and pending

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Monoline Half-Etched Sphere  
 1XDXXCL03K  
 Available in 9" and 18" cord lengths.

See page 150 for more luminaire options

## single ring shown with monoline™ half-etched sphere luminaires

Dropped from a single round cord, the lightness of air is captured within the thin glass forms that surround an omnidirectional lensed LED light source. Available in two fixed lengths of 9" and 18", the cord can be snapped in place into a whimsical loop to further adjust to the desired height.



Mezzaluna  
(2) 1XDXXCH06K

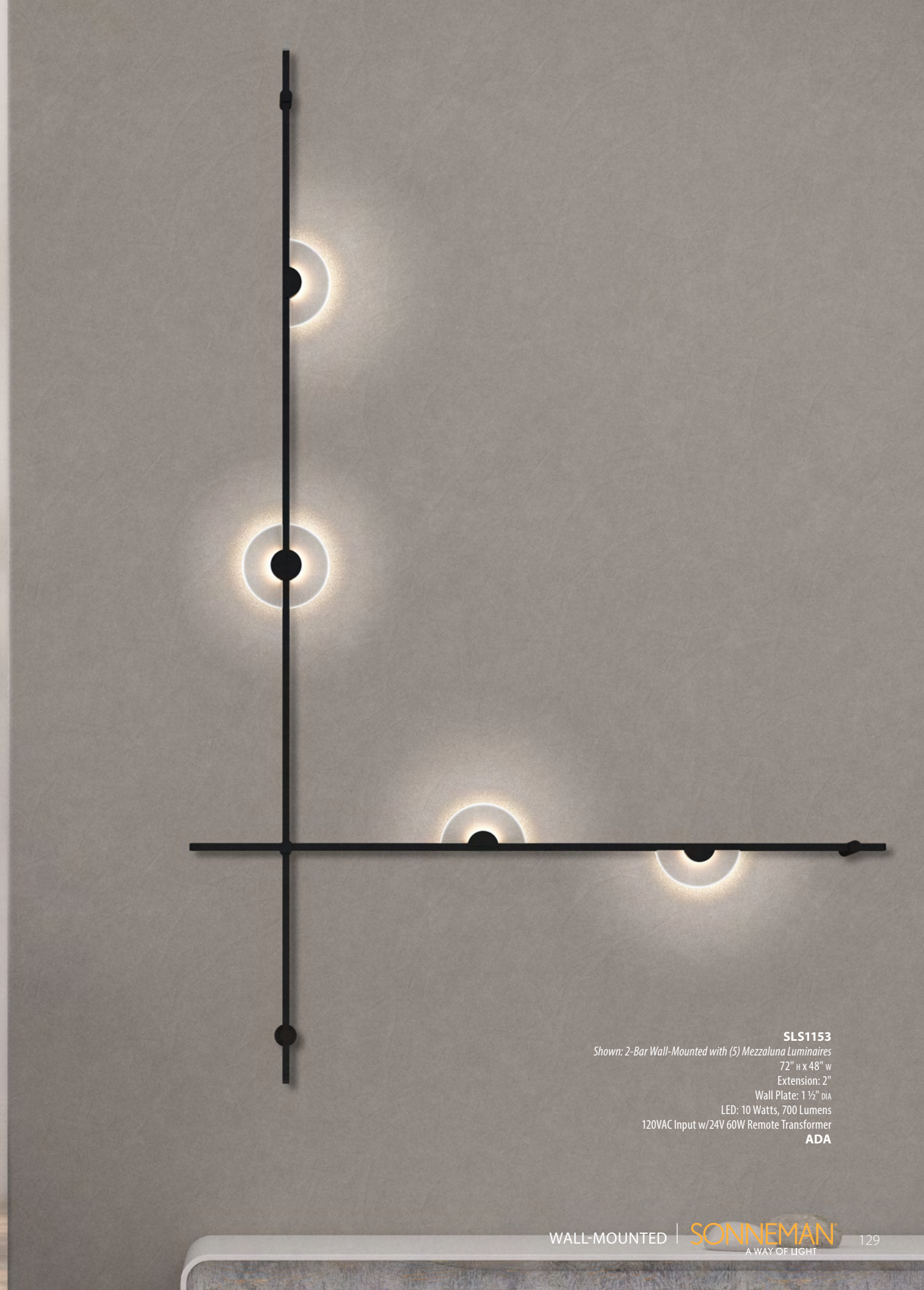
See page 156 for more information on Mezzaluna Luminaire

## wall-mounted shown with mezzaluna luminaires

LED illumination projects through and radiates from the core of a half-moon-shaped light guide plate. Attached anywhere along the Power Bar individually or combined to form a full circle, Mezzaluna Luminaires can be arranged in configurations of large or small scale across the plane of a wall or ceiling.

Multiple U.S. and foreign patents granted and pending.

suspenders®



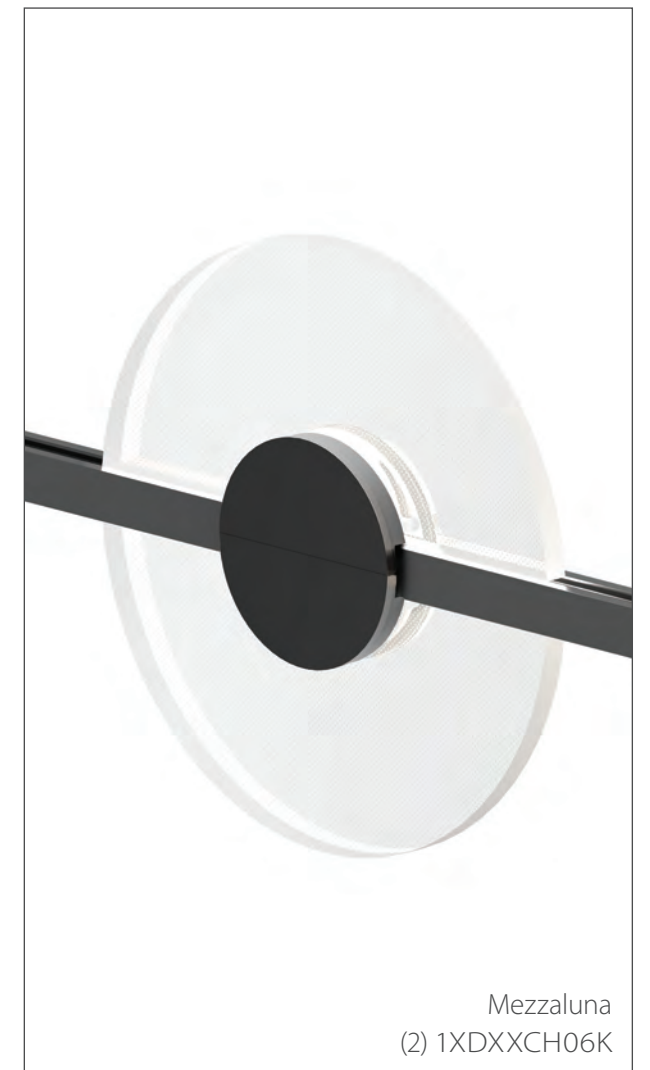
**SLS1153**  
Shown: 2-Bar Wall-Mounted with (5) Mezzaluna Luminaires  
72" H x 48" W  
Extension: 2"  
Wall Plate: 1 1/2" DIA  
LED: 10 Watts, 700 Lumens  
120VAC Input w/24V 60W Remote Transformer  
**ADA**



**SLS1170**  
 Shown: 4-Bar Wall-Mounted with (13) Mezzaluna Luminaires  
 97" H x 123 1/4" W  
 Extension: 2"  
 Wall Plate: 1 1/2" DIA  
 LED: 26 Watts, 1820 Lumens  
 120VAC Input w/24V 60W Remote Transformer  
**ADA**

Multiple U.S. and foreign patents granted and pending.

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Mezzaluna  
 (2) 1XDXXCH06K

See page 156 for more information on Mezzaluna Luminaire

## wall-mounted shown with mezzaluna luminaires

A dramatic, artful arrangement of intersecting Power Bars and Mezzaluna Luminaires encompass a broad wall in a modern geometric composition.



See page 156 for more information on Mezzaluna Luminaire  
See page 158 for more Suspenders Precise trim options

## wall-mounted shown with mezzaluna and precise bar-mounted aimable cylinder luminaires

Combined in a linear configuration above a bed, full-round pairs of Mezzaluna luminaires provide ambient light to the area in combination with lensed Precise Bar-Mounted Aimable Cylinders that can be directed toward reading or other task activities.

Multiple U.S. and foreign patents granted and pending.

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**SLS1154**  
Shown: 72" 2-Bar Linear Wall-Mounted with (4) Mezzaluna Luminaires +  
(4) Precise Bar-Mounted Aimable Cylinders  
6" H x 146" W  
Extension: 4 3/4"  
Wall Plate: 1 1/2" DIA  
LED: 26 Watts, 1680 Lumens  
120VAC Input w/24V 60W Remote Transformer

WALL-MOUNTED | SONNEMAN  
A WAY OF LIGHT

# single sconce



# bar sconce



Multiple U.S. and foreign patents granted and pending.

# precise bar-mounted cylinder sconce



# precise suspended cylinder sconce



Multiple U.S. and foreign patents granted and pending.

suspenders®

# precise bar-mounted cylinder sconce

Bar-Mounted Cylinders attach to the Single Sconce Power Feed, forming a range of functional architectural Suspender Sconces, and expanding the possibilities for Suspenders Precise.



Multiple U.S. and foreign patents granted and pending.

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## SUSPENDERS SPECIFICATIONS

### LINEAR: 1-TIER

#### 24" 1-Tier Linear

½" H x 24" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cutttable  
LED: 5 to 21 Watts, 335 to 1440 Lumens  
120VAC Input w/24V Transformer

#### 36" 1-Tier Linear

½" H x 36" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cutttable  
LED: 8 to 28 Watts, 575 to 1920 Lumens  
120VAC Input w/24V Transformer

#### 48" 1-Tier Linear

½" H x 48" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cutttable  
LED: 10 to 35 Watts, 690 to 2400 Lumens  
120VAC Input w/24V Transformer

### IN-LINE LINEAR

#### 24" 2-Bar In-Line

½" H x 49" W x ½" D  
Power Feed: 3 ¼" x 2 ¼" w/field-cutttable  
6' Cord Power Feed Hanger  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 10 to 42 Watts, 670 to 2880 Lumens  
120VAC Input w/24V Transformer

#### 24" 3-Bar In-Line

½" H x 74" W x ½" D  
Power Feed: 3 ¼" x 2 ¼" w/field-cutttable  
6' Cord Power Feed Hanger  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 15 to 62 Watts, 1005 to 4320 Lumens  
120VAC Input w/24V Transformer

#### 36" 2-Bar In-Line

½" H x 73" W x ½" D  
Power Feed: 3 ¼" x 2 ¼" w/field-cutttable  
6' Cord Power Feed Hanger  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 13 to 42 Watts, 920 to 2880 Lumens  
120VAC Input w/24V Transformer

#### 36" 3-Bar In-Line

½" H x 110" W x ½" D  
Power Feed: 3 ¼" x 2 ¼" w/field-cutttable  
6' Cord Power Feed Hanger  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 20 to 62 Watts, 1380 to 4320 Lumens  
120VAC Input w/24V Transformer

#### 48" 2-Bar In-Line

½" H x 97" W x ½" D  
Power Feed: 3 ¼" x 2 ¼" w/field-cutttable  
6' Cord Power Feed Hanger  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 16 to 56 Watts, 1150 to 3840 Lumens  
120VAC Input w/24V Transformer

#### 48" 3-Bar In-Line

½" H x 146" W x ½" D  
Power Feed: 3 ¼" x 2 ¼" w/field-cutttable  
6' Cord Power Feed Hanger  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 24 to 83 Watts, 1725 to 5760 Lumens  
120VAC Input w/24V Transformer

### OFFSET LINEAR

#### 24" 3-Bar Offset

6" to 18" MAX H x 66" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 15 to 62 Watts, 1005 to 4320 Lumens  
120VAC Input w/24V Transformer

#### 24" 4-Bar Offset

6" to 18" MAX H x 102" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 20 to 83 Watts, 1340 to 5760 Lumens  
120VAC Input w/24V Transformer

#### 24" 5-Bar Offset

6" to 18" MAX H x 138" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 24 to 104 Watts, 1675 to 7200 Lumens  
120VAC Input w/24V Transformer

#### 36" 3-Bar Offset

6" to 18" MAX H x 88" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 20 to 62 Watts, 1380 to 4320 Lumens  
120VAC Input w/24V Remote Transformer

#### 36" 4-Bar Offset

6" to 18" MAX H x 136" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 26 to 83 Watts, 1840 to 5760 Lumens  
120VAC Input w/24V Transformer

#### 36" 5-Bar Offset Linear

6" to 18" MAX H x 184" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 32 to 104 Watts, 2300 to 7200 Lumens  
120VAC Input w/24V Transformer

#### 48" 3-Bar Offset

6" to 18" MAX H x 110" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 24 to 83 Watts, 1725 to 5760 Lumens  
120VAC Input w/24V Transformer

#### 48" 4-Bar Offset

6" to 18" MAX H x 170" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 32 to 110 Watts, 2300 to 7680 Lumens  
120VAC Input w/24V Transformer

#### 48" 5-Bar Offset

6" to 18" MAX H x 230" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 40 to 138 Watts, 2875 to 9600 Lumens  
120VAC Input w/24V Transformer

Multiple U.S. and foreign patents granted and pending.

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## SUSPENDERS SPECIFICATIONS

### LINEAR: 2-TIER

#### 36" 2-Tier Linear

6" to 18" MAX H x 36" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cutttable  
LED: 8 to 28 Watts, 575 to 1920 Lumens  
120VAC Input w/24V Transformer

#### 48" 2-Tier Linear

6" to 18" MAX H x 48" W x ½" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cutttable  
LED: 10 to 35 Watts, 690 to 2400 Lumens  
120VAC Input w/24V Transformer

### ZIG ZAG

#### 24" 3-Bar Zig Zag

6" to 18" MAX H x 46" W x 17" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 15 to 62 Watts, 1005 to 4320 Lumens  
120VAC Input w/24V Transformer

#### 24" 4-Bar Zig Zag

6" to 18" MAX H x 71" W x 25" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 20 to 83 Watts, 1340 to 5760 Lumens  
120VAC Input w/24V Transformer

#### 24" 5-Bar Zig Zag

6" to 18" MAX H x 97" W x 34" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 24 to 104 Watts, 1675 to 7200 Lumens  
120VAC Input w/24V Transformer

#### 36" 3-Bar Zig Zag

6" to 18" MAX H x 61" W x 17" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 20 to 62 Watts, 1380 to 4320 Lumens  
120VAC Input w/24V Transformer

#### 36" 4-Bar Zig Zag

6" to 18" MAX H x 95" W x 25" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 26 to 83 Watts, 1840 to 5760 Lumens  
120VAC Input w/24V Transformer

#### 36" 5-Bar Zig Zag

6" to 18" MAX H x 129" W x 34" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 32 to 104 Watts, 2300 to 7200 Lumens  
120VAC Input w/24V Transformer

#### 48" 3-Bar Zig Zag

6" to 18" MAX H x 76" W x 17" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 24 to 83 Watts, 1725 to 5760 Lumens  
120VAC Input w/24V Transformer

#### 48" 4-Bar Zig Zag

6" to 18" MAX H x 118" W x 25" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 32 to 111 Watts, 2300 to 7680 Lumens  
120VAC Input w/24V Transformer

#### 48" 5-Bar Zig Zag

6" to 18" MAX H x 161" W x 34" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cutttable  
LED: 40 to 138 Watts, 2875 to 9600 Lumens  
120VAC Input w/24V Transformer

Note: Fixture dimensions listed here describe the Power Bar structure. Overall dimensions depend on Luminaire and Luminaire Hanger selection.



## SUSPENDERS SPECIFICATIONS

### SURFACE-MOUNT

#### 36" Surface-Mount

1 ¼" H x 36" W x ½" D  
Power Feed: 4 ½" DIA  
LED: 8 to 28 Watts, 575 to 1920 Lumens  
120VAC Input w/24V Transformer

#### 48" Surface-Mount

1 ¼" H x 48" W x ½" D  
Power Feed: 4 ½" DIA  
LED: 10 to 35 Watts, 690 to 2400 Lumens  
120VAC Input w/24V Transformer

#### 72" Surface-Mount

1 ¼" H x 72" W x ½" D  
Power Feed: 4 ½" DIA  
LED: 16 to 56 Watts, 1150 to 3840 Lumens  
120VAC Input w/24V Transformer

#### 96" Surface-Mount

1 ¼" H x 96" W x ½" D  
Power Feed: 4 ½" DIA  
LED: 20 to 69 Watts, 1380 to 4800 Lumens  
120VAC Input w/24V Transformer

#### 36"/48" 2-Bar Surface-Mount

2 ½" H x 48" W x 36" D  
Power Feed: 4 ½" DIA  
LED: 18 to 63 Watts, 1265 to 4320 Lumens  
120VAC Input w/24V Transformer

#### 48"/72" 2-Bar Surface-Mount

2" H x 72" W x 48" D  
Power Feed: 4 ½" DIA  
LED: 26 to 90 Watts, 1840 to 6240 Lumens  
120VAC Input w/24V Transformer

#### 72"/96" 2-Bar Surface-Mount

2 ½" H x 96" W x 72" D  
Power Feed: 4 ½" DIA  
LED: 36 to 125 Watts, 2530 to 8640 Lumens  
120VAC Input w/24V Transformer

### FREEFORM

#### 36" 3-Bar Freeform

1 ½" H x 40" to 104" MAX W x ½" to 36" MAX D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 24 to 42 Watts, 1725 to 2880 Lumens  
120VAC Input w/24V Transformer

#### 48" 3-Bar Freeform

1 ½" H x 52" to 140" MAX W x ½" to 48" MAX D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 29 to 63 Watts, 2070 to 4320 Lumens  
120VAC Input w/24V Transformer

#### 36" 5-Bar Freeform

1 ½" H x 42" to 172" MAX W x ½" to 36" MAX D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 40 to 69 Watts, 2875 to 4800 Lumens  
120VAC Input w/24V Transformer

#### 48" 5-Bar Freeform

1 ½" H x 54" to 232" MAX W x ½" to 48" MAX D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 48 to 104 Watts, 3450 to 7200 Lumens  
120VAC Input w/24V Transformer

#### 36" 7-Bar Freeform

1 ½" H x 44" to 240" MAX W x ½" to 36" MAX D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 56 to 97 Watts, 4025 to 6720 Lumens  
120VAC Input w/24V Transformer

#### 48" 7-Bar Freeform

1 ½" H x 56" to 324" MAX W x ½" to 48" MAX D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 68 to 145 Watts, 4830 to 10080 Lumens  
120VAC Input w/24V Transformer

### TRI-BAR: 1-TIER

#### 12" 1-Tier Tri-Bar

½" H x 12" DIA  
Power Feed: 6 ½" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 5 to 13 Watts, 345 to 660 Lumens  
120VAC Input w/24V Transformer

#### 24" 1-Tier Tri-Bar

½" H x 24" DIA  
Power Feed: 6 ½" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 10 to 26 Watts, 690 to 1440 Lumens  
120VAC Input w/24V Transformer

### TRI-BAR: 4-TIER

#### 24" 4-Tier Tri-Bar

18" H x 37" DIA  
Power Feed: 6 ½" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 15 to 51 Watts, 1005 to 2640 Lumens  
120VAC Input w/24V Transformer

#### 36" 4-Tier Tri-Bar

18" H x 49" DIA  
Power Feed: 6 ½" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 24 to 63 Watts, 1725 to 3300 Lumens  
120VAC Input w/24V Transformer

#### 48" 4-Tier Tri-Bar

18" H x 61" DIA  
Power Feed: 6 ½" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 29 to 76 Watts, 2070 to 3960 Lumens  
120VAC Input w/24V Transformer

## SUSPENDERS SPECIFICATIONS

### TANDEM: 2-TIER

#### 36" 2-Tier Tandem

6" to 18" MAX H x 36" W x 12" D  
Power Feed: 14" W x 5" D  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 16 to 42 Watts, 1150 to 2200 Lumens  
120VAC Input w/24V Transformer

#### 48" 2-Tier Tandem

6" to 18" MAX H x 48" W x 12" D  
Power Feed: 14" W x 5" D  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 20 to 51 Watts, 1380 to 2640 Lumens  
120VAC Input w/24V Transformer

### GRID: 2-TIER

#### 36" 2-Tier Grid

6" to 18" MAX H x 36" W x 36" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cuttable  
LED: 31 to 111 Watts, 2185 to 7680 Lumens  
120VAC Input w/24V Transformer

#### 48" 2-Tier Grid

6" to 18" MAX H x 48" W x 48" D  
Power Feed: 6" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord/Cable, field-cuttable  
LED: 42 to 131 Watts, 2990 to 9120 Lumens  
120VAC Input w/24V Transformer

### GRIDSCAPE

#### 48" Gridscape

1 ½" H x 48" W x 48" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 29 to 83 Watts, 2070 to 5760 Lumens  
120VAC Input w/24V Transformer

#### 72" Gridscape

1 ½" H x 72" W x 72" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 64 to 111 Watts, 4600 to 7680 Lumens  
120VAC Input w/24V Transformer

#### 96" Gridscape

1 ½" H x 96" W x 96" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 96 to 138 Watts, 6900 to 9600 Lumens  
120VAC Input w/24V Transformer

#### 48"/24" Gridscape

1 ½" H x 48" W x 24" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 12 to 49 Watts, 805 to 3360 Lumens  
120VAC Input w/24V Transformer

#### 72"/24" Gridscape

1 ½" H x 72" W x 24" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 16 to 69 Watts, 1150 to 4800 Lumens  
120VAC Input w/24V Transformer

#### 96"/24" Gridscape

1 ½" H x 96" W x 24" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 21 to 90 Watts, 1495 to 6240 Lumens  
120VAC Input w/24V Transformer

#### 72" Truss-Suspended Gridscape

15" H x 72" W x 96" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 64 to 111 Watts, 4600 to 7680 Lumens  
120VAC Input w/24V Transformer

#### 96" Truss-Suspended Gridscape

15" H x 72" W x 96" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 96 to 138 Watts, 6900 to 9600 Lumens  
120VAC Input w/24V Transformer

### TRUSS

#### 72" Flat Truss

15" H x 72" W x ½" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 16 to 56 Watts, 1150 to 3840 Lumens  
120VAC Input w/24V Transformer

#### 96" Flat Truss

15" H x 96" W x ½" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 20 to 69 Watts, 1380 to 4800 Lumens  
120VAC Input w/24V Transformer

#### 72" Triangle Truss

15" H x 76" W x 24" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 39 to 104 Watts, 2760 to 7200 Lumens  
120VAC Input w/24V Transformer

#### 96" Triangle Truss

15" H x 96" W x 24" D  
Power Feed: 5" DIA  
Hanging Options: Rods up to 18" or 6' or 20' Cord, field-cuttable  
LED: 48 to 125 Watts, 3450 to 8640 Lumens  
120VAC Input w/24V Transformer

Multiple U.S. and foreign patents granted and pending.

suspenders®

Note: Fixture dimensions listed here describe the Power Bar structure. Overall dimensions depend on Luminaire and Luminaire Hanger selection.

## SUSPENDERS SPECIFICATIONS

### SINGLE RING

#### 24" Single Ring

½" H X 25" DIA  
Power Feed: 6 ½" DIA  
Hanging Options: 6' or 20' Cord/Cable, field-cutttable  
LED: 15 to 56 Watts, 1035 to 3840 Lumens  
120VAC Input w/24V Transformer

#### 32" Single Ring

½" H X 33" DIA  
Power Feed: 6 ½" DIA  
Hanging Options: 6' or 20' Cord/Cable, field-cutttable  
LED: 20 to 69 Watts, 1380 to 4800 Lumens  
120VAC Input w/24V Transformer

#### 40" Single Ring

½" H X 41" DIA  
Power Feed: 6 ½" DIA  
Hanging Options: 6' or 20' Cord/Cable, field-cutttable  
LED: 2 to 83 Watts, 1725 to 5760 Lumens  
120VAC Input w/24V Transformer

#### 48" Single Ring

½" H X 49" DIA  
Power Feed: 6 ½" DIA  
Hanging Options: 6' or 20' Cord/Cable, field-cutttable  
LED: 29 to 111 Watts, 2070 to 7680 Lumens  
120VAC Input w/24V Transformer

### DOUBLE RING

#### 24"/40" Double Ring

½" H X 41" DIA  
Power Feed: 8" DIA  
Hanging Options: 6' or 20' Cord/Cable, field-cutttable  
LED: 39 to 101 Watts, 2760 to 5280 Lumens  
120VAC Input w/24V Transformer

#### 32"/48" Double Ring

½" H X 49" DIA  
Power Feed: 8" DIA  
Hanging Options: 6' or 20' Cord/Cable, field-cutttable  
LED: 48 to 126 Watts, 3450 to 6600 Lumens  
120VAC Input w/24V Transformer

### OFFSET RINGS

#### 24"/32" 2-Bar Offset Rings

6" to 18" MAX H X 33" to 56" MAX W X 33" to 40" MAX D  
Power Feed: 5" DIA  
w/field-cutttable 6' Cord Power Feed Hanger  
Hanging Options: 6' or 20' Cord/Cable, field-cutttable  
LED: 34 to 89 Watts, 2415 to 4620 Lumens  
120VAC Input w/24V Transformer

#### 32"/40" 2-Bar Offset Rings

6" to 18" MAX H X 41" to 72" MAX W X 41" to 48" MAX D  
Power Feed: 5" DIA  
w/field-cutttable 6' Cord Power Feed Hanger  
Hanging Options: 6' or 20' Cord/Cable, field-cutttable  
LED: 44 to 114 Watts, 3105 to 5940 Lumens  
120VAC Input w/24V Transformer

#### 40"/48" 2-Bar Offset Rings

6" to 18" MAX H X 49" to 88" MAX W X 49" to 56" MAX D  
Power Feed: 5" DIA  
w/field-cutttable 6' Cord Power Feed Hanger  
Hanging Options: 6' or 20' Cord/Cable, field-cutttable  
LED: 53 to 139 Watts, 3795 to 7260 Lumens  
120VAC Input w/24V Transformer

#### 24"/32"/40" 3-Bar Offset Rings

6" to 36" MAX H X 41" to 96" MAX W X 41" to 72" MAX D  
Power Feed: 5" DIA  
w/field-cutttable 6' Cord Power Feed Hanger  
Hanging Options: 6' or 20' Cord/Cable, field-cutttable  
LED: 58 to 152 Watts, 4140 to 7920 Lumens  
120VAC Input w/24V Transformer

#### 32"/40"/48" 3-Bar Offset Rings

6" to 36" MAX H X 49" to 120" MAX W X 49" to 88" MAX D  
Power Feed: 5" DIA  
w/field-cutttable 6' Cord Power Feed Hanger  
Hanging Options: 6' or 20' Cord/Cable, field-cutttable  
LED: 72 to 189 Watts, 5175 to 9900 Lumens  
120VAC Input w/24V Transformer

## SUSPENDERS SPECIFICATIONS

### WALL-MOUNT

#### 36" Wall Mount

½" H X 36" W  
Extension: 1 ¼"  
Wall Plate: 4 ½" DIA  
LED: 8 to 28 Watts, 575 to 1920 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

#### 48" Wall Mount

½" H X 48" W  
Extension: 1 ¼"  
Wall Plate: 4 ½" DIA  
LED: 10 to 35 Watts, 690 to 2400 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

#### 72" Wall Mount

½" H X 72" W  
Extension: 1 ¼"  
Wall Plate: 4 ½" DIA  
LED: 16 to 56 Watts, 1150 to 3840 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

#### 96" Wall Mount

1/2" H X 96" W  
Extension: 1 ¼"  
Wall Plate: 4 ½" DIA  
LED: 20 to 69 Watts, 1380 to 4800 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

#### 36"/48" 2-Bar Wall Mount

48" H X 36" W  
Extension: 2"  
Wall Plate: 4 ½" DIA  
LED: 8 to 32 Watts, 560 to 1960 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

#### 48"/72" 2-Bar Wall Mount

72" H X 48" W  
Extension: 2"  
Wall Plate: 4 ½" DIA  
LED: 10 to 40 Watts, 700 to 2450 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

#### 72"/96" 2-Bar Wall Mount

96" H X 72" W  
Extension: 2"  
Wall Plate: 4 ½" DIA  
LED: 14 to 56 Watts, 980 to 3430 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

### SINGLE SCONCE

#### Mini Single Sconce

½" H X ½" W  
Extension: 3 ½"  
Wall Plate: 3 ¼" H X 2 ¼" W  
LED: 2 to 7 Watts, 115 to 480 Lumens  
120VAC Input w/24V Transformer with Suspenders Mini Box enclosure  
**ADA (depending on Luminaire)**

#### Standard Single Sconce

½" H X ½" W  
Extension: 3 ½"  
Wall Plate: 4 ½" SQ  
LED: 2 to 7 Watts, 115 to 480 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

### BAR SCONCE

#### 6" Bar Sconce

½" H X 6" W  
Extension: 3"  
Wall Plate: 5" DIA  
LED: 3 to 9 Watts, 230 to 440 Lumens  
**120VAC Input w/24V Transformer**  
**ADA (depending on Luminaire)**

#### 18" Even Bar Sconce

½" H X 18" W  
Extension: 3"  
Wall Plate: 5" DIA  
LED: 5 to 13 Watts, 345 to 660 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

#### 24" Even Bar Sconce

½" H X 24" W  
Extension: 3"  
Wall Plate: 5" DIA  
LED: 5 to 17 Watts, 460 to 880 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

#### 18" Staggered Bar Sconce

½" H X 18" W  
Extension: 3"  
Wall Plate: 5" DIA  
LED: 8 to 21 Watts, 575 to 1100 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

#### 24" Staggered Bar Sconce

½" H X 24" W  
Extension: 3"  
Wall Plate: 5" DIA  
LED: 11 to 30 Watts, 805 to 1540 Lumens  
120VAC Input w/24V Transformer  
**ADA (depending on Luminaire)**

Multiple U.S. and foreign patents granted and pending.

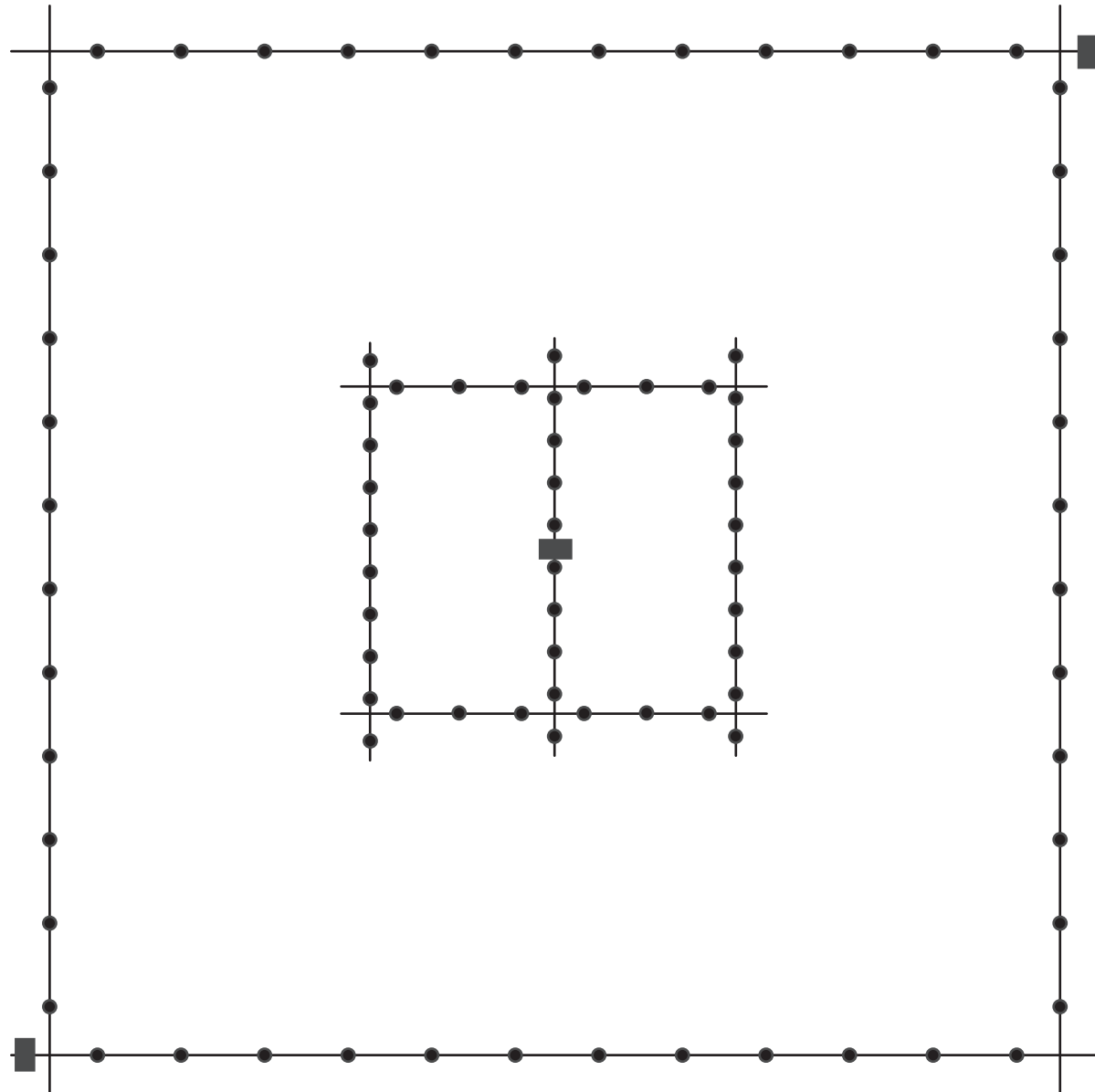
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Note: Fixture dimensions listed here describe the Power Bar structure. Overall dimensions depend on Luminaire and Luminaire Hanger selection.

## SUSPENDERS DIAGRAMS

### EXPANDED GRID

See Expanded Grid on pages 92-93



Fixture Planning Diagram: Top View

#### SLS0166

Inner: 23 1/4" H x 73 1/2" W x 73 1/2" D  
 Outer: 23 1/4" H x 220" W x 220" D  
 Power Feed: (3) 3 1/4" x 2 1/4"  
 Hanging Options: Cord/Cable up to 20', field-cuttable  
 LED: 324 Watts, 19,800 Lumens  
 120VAC Input w/(3) 24V 300W Remote Transformers  
 Includes: (90) Amber Tapered Bell Luminaires

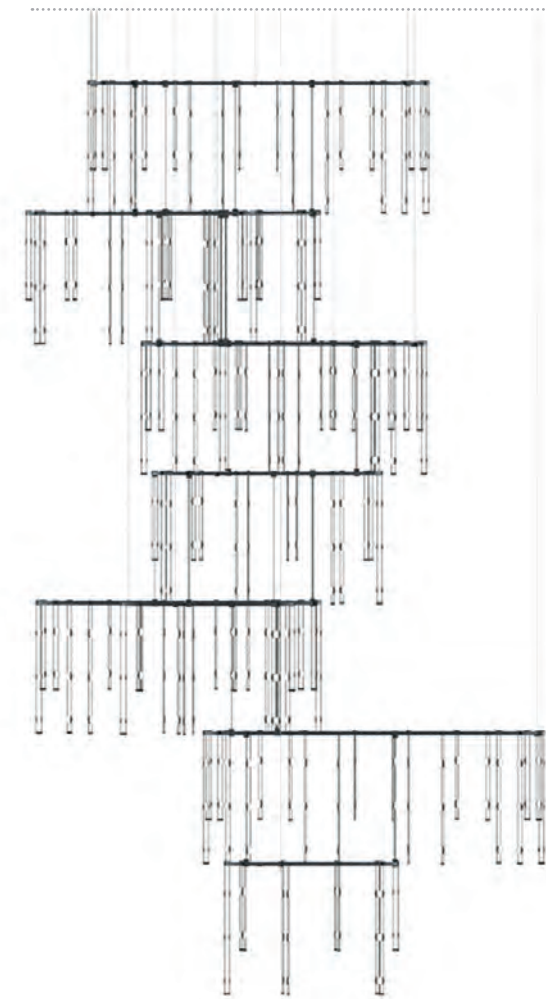
Multiple U.S. and foreign patents granted and pending.

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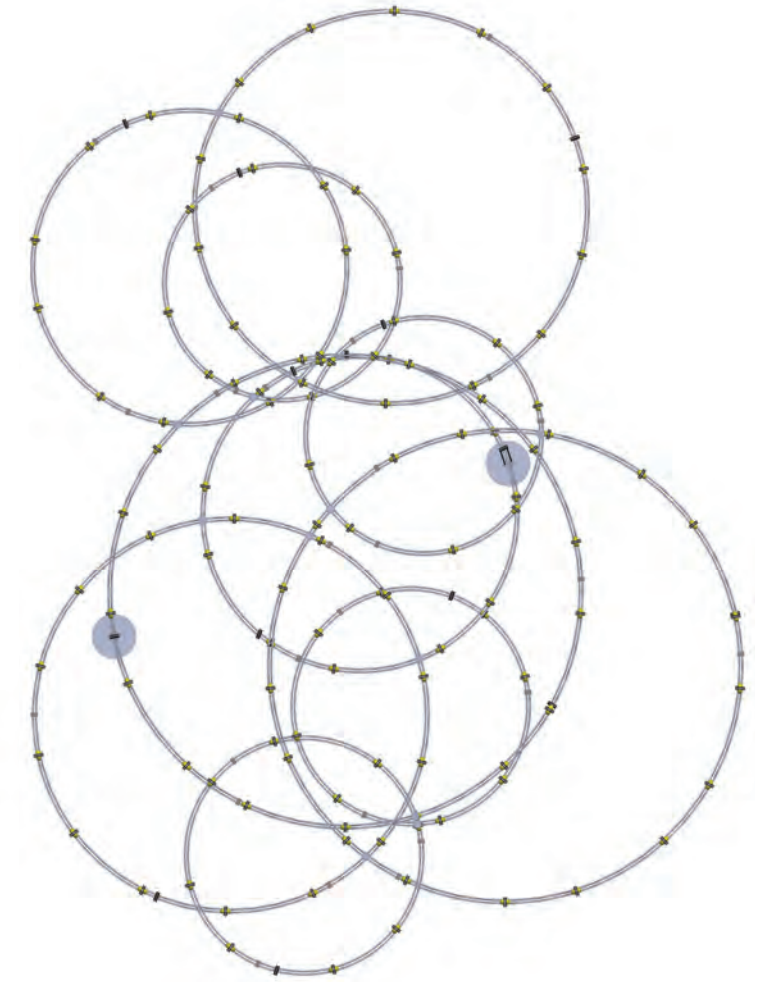
## SUSPENDERS DIAGRAMS

### OFFSET RING VERTICAL MATRIX

See Offset Ring Vertical Matrix on pages 112-113



Fixture Planning Diagram: Front View



Fixture Planning Diagram: Bottom View

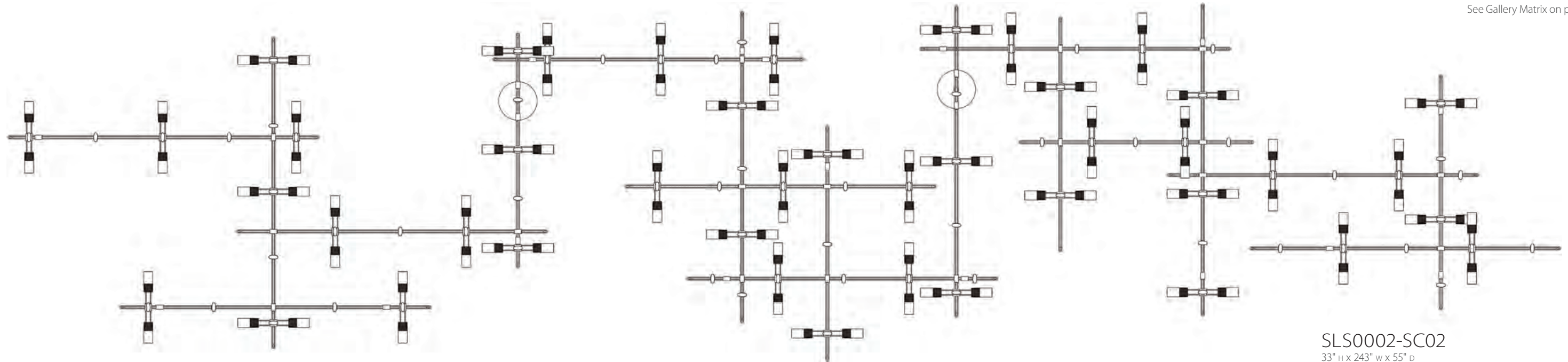
#### SLS0163

126" H x 86" W x 97" D  
 Power Feed: (2) 4 1/2" DIA with  
 20' Cord Power Feed Hangers  
 Hanging Height: 127" to 258" MAX H  
 LED: 300 Watts, 18,000 Lumens  
 120VAC Input w/(2) 24V 300W Remote Transformers  
 Includes: (300) Ladder Light Luminaires

## SUSPENDERS DIAGRAMS

### GALLERY MATRIX

See Gallery Matrix on pages 88-89



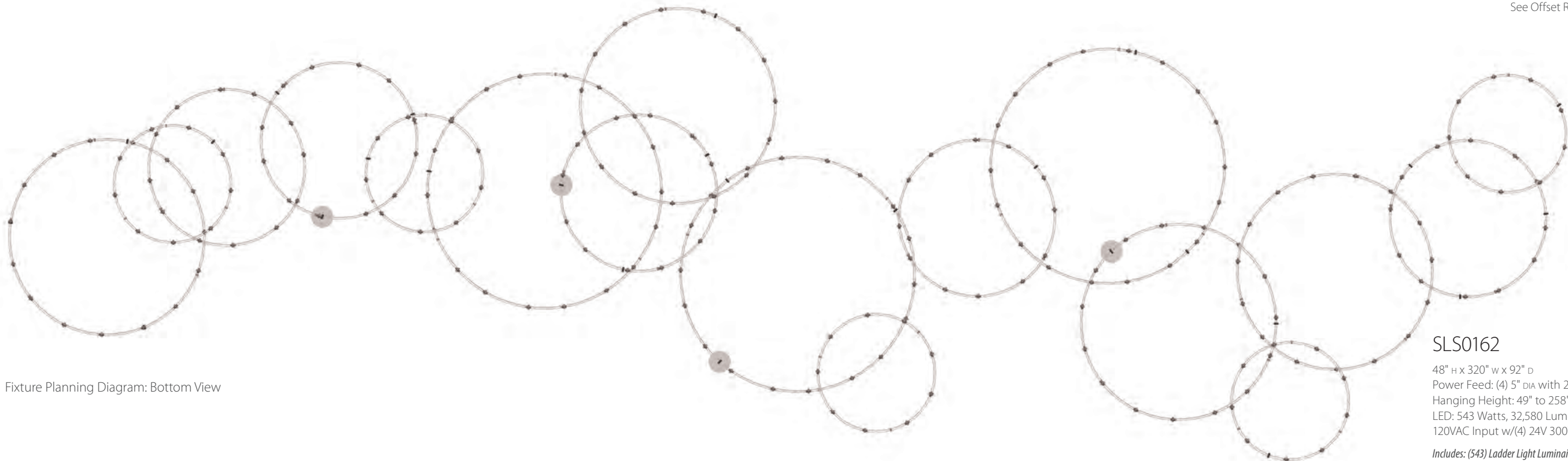
Fixture Planning Diagram: Bottom View

#### SLS0002-SC02

33" H x 243" W x 55" D  
 Power Feed: (2) 6" DIA with 6' field-cuttable  
 Cord Hangers  
 Hanging Height: 34" to 93" MAX H  
 LED: 262W, 18,860 Lumens  
 120VAC Input w/(2) 24V 300W Remote Transformers  
*Includes: (35) Etched Chiclet Luminaires + (43) Etched Chiclet Cluster Luminaires*

### OFFSET RING HORIZONTAL MATRIX

See Offset Ring Horizontal Matrix on pages 116-117



Fixture Planning Diagram: Bottom View

#### SLS0162

48" H x 320" W x 92" D  
 Power Feed: (4) 5" DIA with 20' Cord Hangers  
 Hanging Height: 49" to 258" MAX H  
 LED: 543 Watts, 32,580 Lumens  
 120VAC Input w/(4) 24V 300W Remote Transformers  
*Includes: (543) Ladder Light Luminaires*

Multiple U.S. and foreign patents granted and pending.

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## luminaires

We have more than doubled our range of Suspenders Luminaires to a total of 77, adding 46 new styles, trims, and functions to the 31 prior available lighting options. We have introduced new functionality and performance with 22 new Precise Light Engines and doubled the performance with the new Power Precise Light Engines.

Multiple U.S. and foreign patents granted and pending.

suspenders®

## double rod decorative luminaires

All with warm white color temperature (3000K) and 90CRI minimum.



Crystal Chiclet  
1XDXXRP01K  
Clear Ribbed Seeded Crystal  
3 1/4" H x 1 1/2" W x 1/2" D  
LED: 1.6 Watts, 115 Lumens



Etched Chiclet  
1XDXXRP02K  
Clear Etched Glass  
3 1/4" H x 1 1/2" W x 1/2" D  
LED: 1.6 Watts, 115 Lumens



Ball  
1XDXXRP03K  
White Etched Cased Glass  
3 1/4" H x 2 1/4" DIA  
LED: 2.3 Watts, 160 Lumens



Crystal Oval  
1XDXXRP04K  
Clear Ribbed Seeded Crystal  
2 3/4" H x 2 1/4" W x 2 1/4" D  
LED: 2.3 Watts, 160 Lumens



Drum  
1XDXXRP06K  
White Etched Cased Glass  
3 3/4" H x 2 1/4" D  
LED: 3 Watts, 210 Lumens



Crystal Teardrop  
1XDXXRP08K  
Clear Ribbed Seeded Crystal  
5 1/2" H x 2" W x 1 1/4" D  
LED: 2.3 Watts, 175 Lumens



Reflector  
1XDXXRP11K  
Die-Cast Aluminum  
2 1/2" H x 3 3/4" DIA  
LED: 3 Watts, 210 Lumens



Wings  
1XDXXRP12K  
Optical Acrylic  
5" H x 2 1/4" W x 2 1/2" D  
LED: 1.6 Watts, 115 Lumens



Crystal Double Rod  
1XDXXRP13K  
Clear Ribbed Seeded Crystal  
3/4" H x 8 1/4" W x 3/4" D  
LED: 3.4 Watts, 240 Lumens



Etched Double Rod  
1XDXXRP14K  
Clear Etched Glass  
3/4" H x 8 1/4" W x 3/4" D  
LED: 3.4 Watts, 240 Lumens



Crystal Rod  
1XDXXRP15K  
Clear Ribbed Seeded Crystal  
6 3/4" H x 1" W x 3/4" D  
LED: 1.7 Watts, 120 Lumens



Etched Rod  
1XDXXRP16K  
Clear Etched Glass  
6 3/4" H x 1" W x 3/4" D  
LED: 1.7 Watts, 120 Lumens



White Tapered Bell  
1XDXXRP17K  
White Etched Cased Glass  
5 1/4" H x 2 1/4" DIA  
LED: 3.6 Watts, 220 Lumens



Gray Tapered Bell  
1XDXXRP18K  
Gray Etched Cased Glass  
5 1/4" H x 2 1/4" DIA  
LED: 3.6 Watts, 220 Lumens



Amber Tapered Bell  
1XDXXRP19K  
Amber Etched Cased Glass  
5 1/4" H x 2 1/4" DIA  
LED: 3.6 Watts, 220 Lumens

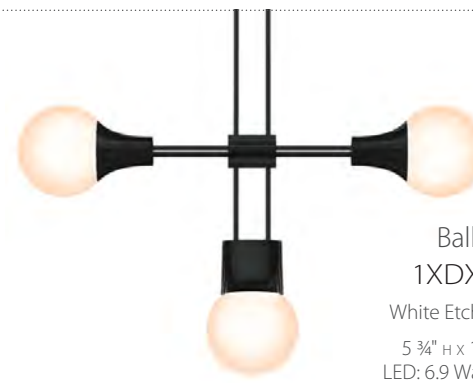
## cluster luminaires



Crystal Chiclet Cluster  
1DXXHC01K  
Clear Ribbed Seeded Crystal  
5 3/4" H x 11 1/4" W x 1 1/2" D  
LED: 4.8 Watts, 345 Lumens



Etched Chiclet Cluster  
1DXXHC02K  
Clear Etched Glass  
5 3/4" H x 11 1/4" W x 1 1/2" D  
LED: 4.8 Watts, 345 Lumens



Ball Cluster  
1DXXHC03K  
White Etched Cased Glass  
5 3/4" H x 11 1/4" W x 1 1/2" D  
LED: 6.9 Watts, 480 Lumens



Crystal Oval Cluster  
1DXXHC04K  
Clear Ribbed Seeded Crystal  
6" H x 10" W x 2 1/4" D  
LED: 6.9 Watts, 480 Lumens

Multiple U.S. and foreign patents granted and pending.

suspenders®

## v-line luminaires

V-Line Luminaires available lengths: 16" and 32"

All with warm white color temperature (3000K) and 90CRI minimum.



Crystal Cylinder  
1DXXVC04K-■■■  
Clear Ribbed Seeded Crystal  
2" H x 1 1/4" DIA  
LED: 2.3 Watts, 160 Lumens

Etched Cylinder  
1DXXVC05K-■■■  
Clear Etched Glass  
2" H x 1 1/4" DIA  
LED: 2.3 Watts, 160 Lumens

Domed Ball  
1DXXVC06K-■■■  
White Optical Acrylic  
2 1/2" H x 2 1/2" DIA  
LED: 2.3 Watts, 160 Lumens

Downlight Cone  
1DXXVC07K-■■■  
Die-Cast Aluminum  
2 3/4" H x 4" DIA  
LED: 3.6 Watts, 200 Lumens

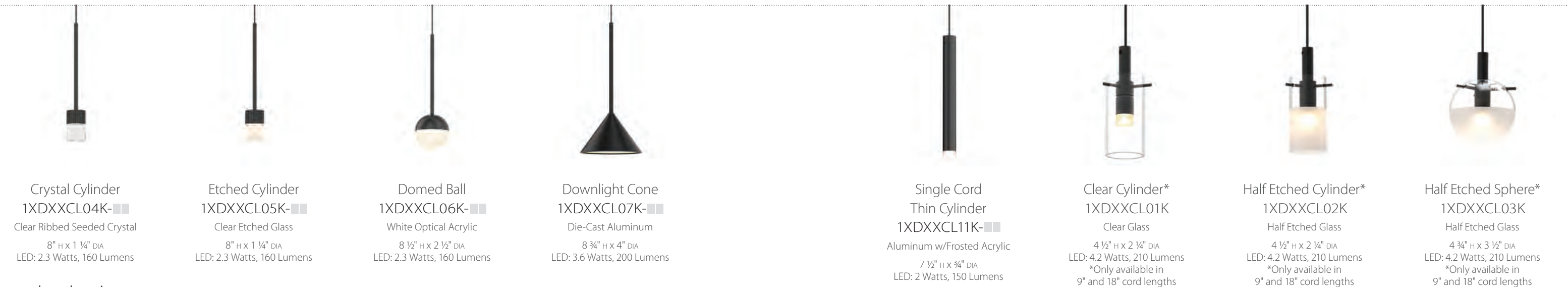
Etched Glass Cone  
1DXXVC08K-■■■  
Clear Etched Glass  
2 3/4" H x 4" DIA  
LED: 3.6 Watts, 200 Lumens

Crystal Rod  
1DXXVC15K-■■■  
Clear Ribbed Seeded Crystal  
6 3/4" H x 1" DIA  
LED: 1.7 Watts, 120 Lumens

Etched Rod  
1DXXVC16K-■■■  
Clear Etched Glass  
6 3/4" H x 1" DIA  
LED: 1.7 Watts, 120 Lumens

## monoline™ luminaires

Monoline Luminaires available cord lengths: 9", 18", 24", 36", 48", 60", 72"



Crystal Cylinder  
1DXXCL04K-■■■  
Clear Ribbed Seeded Crystal  
8" H x 1 1/4" DIA  
LED: 2.3 Watts, 160 Lumens

Etched Cylinder  
1DXXCL05K-■■■  
Clear Etched Glass  
8" H x 1 1/4" DIA  
LED: 2.3 Watts, 160 Lumens

Domed Ball  
1DXXCL06K-■■■  
White Optical Acrylic  
8 1/2" H x 2 1/2" DIA  
LED: 2.3 Watts, 160 Lumens

Downlight Cone  
1DXXCL07K-■■■  
Die-Cast Aluminum  
8 3/4" H x 4" DIA  
LED: 3.6 Watts, 200 Lumens

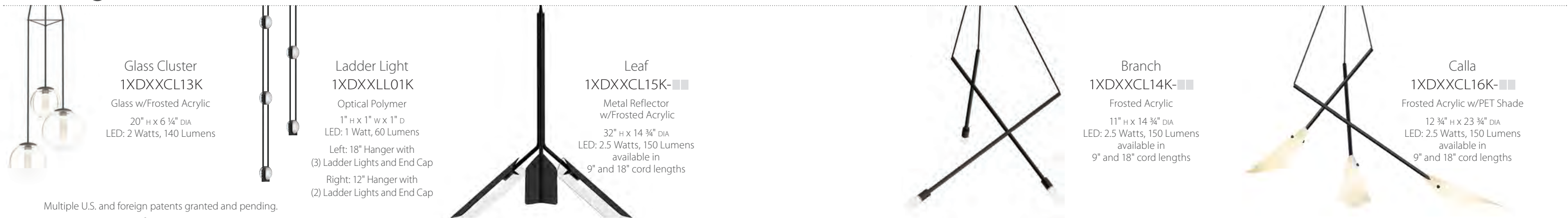
Single Cord  
Thin Cylinder  
1DXXCL11K-■■■  
Aluminum w/Frosted Acrylic  
7 1/2" H x 3/4" DIA  
LED: 2 Watts, 150 Lumens

Clear Cylinder\*  
1DXXCL01K  
Clear Glass  
4 1/2" H x 2 1/4" DIA  
LED: 4.2 Watts, 210 Lumens  
\*Only available in  
9" and 18" cord lengths

Half Etched Cylinder\*  
1DXXCL02K  
Half Etched Glass  
4 1/2" H x 2 1/4" DIA  
LED: 4.2 Watts, 210 Lumens  
\*Only available in  
9" and 18" cord lengths

Half Etched Sphere\*  
1DXXCL03K  
Half Etched Glass  
4 3/4" H x 3 1/2" DIA  
LED: 4.2 Watts, 210 Lumens  
\*Only available in  
9" and 18" cord lengths

## multi-light



Glass Cluster  
1DXXCL13K  
Glass w/Frosted Acrylic  
20" H x 6 1/4" DIA  
LED: 2 Watts, 140 Lumens

Ladder Light  
1DXXLL01K  
Optical Polymer  
1" H x 1" w x 1" D  
LED: 1 Watt, 60 Lumens  
Left: 18" Hanger with  
(3) Ladder Lights and End Cap  
Right: 12" Hanger with  
(2) Ladder Lights and End Cap

Leaf  
1DXXCL15K-■■■  
Metal Reflector  
w/Frosted Acrylic  
32" H x 14 3/4" DIA  
LED: 2.5 Watts, 150 Lumens  
available in  
9" and 18" cord lengths

Branch  
1DXXCL14K-■■■  
Frosted Acrylic  
11" H x 14 3/4" DIA  
LED: 2.5 Watts, 150 Lumens  
available in  
9" and 18" cord lengths

Calla  
1DXXCL16K-■■■  
Frosted Acrylic w/PET Shade  
12 3/4" H x 23 3/4" DIA  
LED: 2.5 Watts, 150 Lumens  
available in  
9" and 18" cord lengths

Multiple U.S. and foreign patents granted and pending.

suspenders™

## bar-mounted light bars

All with warm white color temperature (3000K) and 90CRI minimum.



12" Light Bar  
1DXXMLB12K

Aluminum w/Optical Acrylic Diffuser

1 1/2" H x 12" W x 3/4" D  
LED: 4.8 Watts, 335 Lumens



24" Light Bar  
1DXXMLB24K

Aluminum w/Optical Acrylic Diffuser

1 1/2" H x 24" W x 3/4" D  
LED: 9.6 Watts, 670 Lumens



36" Light Bar  
1DXXMLB36K

Aluminum w/Optical Acrylic Diffuser

1 1/2" H x 36" W x 3/4" D  
LED: 14.4 Watts, 1005 Lumens

## suspended light bars



12" Suspended Light Bar  
1DXXMLB12K-S

Aluminum w/Optical Acrylic

1/2" H x 12 3/4" W x 3/4" D  
LED: 4.8 Watts, 335 Lumens



24" Suspended Light Bar  
1DXXMLB24K-S

Aluminum w/Optical Acrylic

1/2" H x 23 3/4" W x 3/4" D  
LED: 9.6 Watts, 670 Lumens



36" Suspended Light Bar  
1DXXMLB36K-S

Aluminum w/Optical Acrylic

1/2" H x 35" W x 3/4" D  
LED: 14.4 Watts, 1005 Lumens

## mezzaluna



Mezzaluna  
1DXXXCH06K

Aluminum w/Acrylic Light Guide

3" H x 5 3/4" W x 3/4" D  
LED: 2 Watts, 140 Lumens



## light guide disk



Light Guide Disk  
1DXXXRH07K

Aluminum w/Acrylic Light Disk

1/2" H x 4" DIA  
w/180° rotation and 360° tilt  
LED: 4 Watts, 150 Lumens

## linear rotational luminaires



9" Linear Rotational  
Luminaire  
1DXXXSR01K-09

Aluminum w/Optical Acrylic

9" W x 3/4" DIA  
w/360° tilt  
LED: 5.7 Watts, 340 Lumens



12" Linear Rotational  
Luminaire  
1DXXXSR01K-12

Aluminum w/Optical Acrylic

12" W x 3/4" DIA  
w/360° tilt  
LED: 8.3 Watts, 500 Lumens



18" Linear Rotational  
Luminaire  
1DXXXSR01K-18

Aluminum w/Optical Acrylic

18" W x 3/4" DIA  
w/360° tilt  
LED: 10.7 Watts, 640 Lumens

Multiple U.S. and foreign patents granted and pending.

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## suspenders precise system

Suspenders Precise is a system of components that adds lighting functionality and performance to the Suspenders system. Suspended from Hangers or fixed flush to a Power Bar and available in multiple performance levels, Precise components provide up, down, and aimable light sources with multiple beam spread options, as well as direct and reflected ambient light sources.

Built on a precisely-engineered modular lighting system, Precise components screw-, twist-, and snap-lock in place, forming unified interlocking assemblies that enhance the range of possibilities, applications, and configurations of the expanding Suspenders system.

Multiple U.S. and foreign patents granted and pending.

suspenders®

# suspenders precise cylinder light engines

All with warm white color temperature (3000K) and 90CRI minimum.



Precise Suspended Cylinder  
1DXXXRP20K  
Aluminum  
2" H x 1 3/4" DIA  
LED: 4.5 Watts, 280 Lumens



Precise Single Cord Cylinder  
1DXXXCL09K-■■■  
Aluminum  
7 3/4" H x 1 3/4" DIA  
LED: 4.5 Watts, 280 Lumens  
Available Cord Lengths:  
9", 18", 36"



Precise Suspended Aimable Cylinder  
1DXXXRP21K  
Aluminum  
2" H x 1 3/4" DIA  
w/180° tilt  
LED: 4.5 Watts, 280 Lumens



Precise Bar-Mounted Aimable Cylinder (Blade version)  
1DXXXRH01K  
Aluminum  
1 3/4" H x 1 3/4" DIA  
w/360° rotation and 180° tilt  
LED: 4.5 Watts, 280 Lumens



Precise Bar-Mounted Aimable Cylinder (Double Rod version)  
1DXXXCH02K  
Aluminum  
2 1/4" H x 1 3/4" DIA  
w/180° rotation and 180° tilt  
LED: 4.5 Watts, 280 Lumens



Precise Direct Mount Cylinder  
1DXXXCH01K-X  
Aluminum  
2 1/4" H x 1 3/4" DIA  
LED: 4.5 Watts, 280 Lumens



Precise Bar-Mounted Single Cylinder  
1DXXXCH01K  
Aluminum  
2 1/4" H x 1 3/4" DIA  
LED: 4.5 Watts, 280 Lumens



Precise Bar-Mounted Duplex Cylinder  
1DXXXCH03K  
Aluminum  
4" H x 1 3/4" DIA  
LED: 9 Watts, 560 Lumens



Precise Suspended Tall Cylinder  
1DXXXRP22K  
Aluminum  
7 1/4" H x 1 3/4" DIA  
LED: 4.5 Watts, 280 Lumens

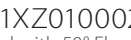


Precise Single Cord Tall Cylinder  
1DXXXCL10K-■■■  
Aluminum  
13 1/4" H x 1 3/4" DIA  
LED: 4.5 Watts, 280 Lumens  
Available Cord Lengths: 18", 72" (adjustable)

# suspenders precise cylinder trim options



1XZ010001K  
Bezel with 30° Spot Lens



1XZ010002K  
Bezel with 50° Flood Lens



1XZ010015K  
Asymmetric Anti-Glare Snoot with 30° Spot Lens



1XZ010016K  
Asymmetric Anti-Glare Snoot with 50° Flood Lens



1XZ010012K  
Anti-Glare Snoot with 30° Spot Lens



1XZ010013K  
Anti-Glare Snoot with 50° Flood Lens



1XZ010003K  
Glass Drum Diffuser



1XZ010010K  
Barndoors with 30° Spot Lens



1XZ010011K  
Barndoors with 50° Flood Lens



1XZ010019K  
Parasol Shade



1XZ010004K  
Parachute Reflector

1XZ010005K  
Wall Parachute Reflector

Multiple U.S. and foreign patents granted and pending.

suspenders®

# suspenders **power** precise cylinder light engines

All with warm white color temperature (3000K) and 90CRI minimum.



Power Precise  
Suspended Cylinder  
1DXXXRP26K  
Aluminum  
2 1/2" H x 2 1/4" DIA  
LED: 8 Watts, 490 Lumens



Power Precise Single  
Cord Cylinder  
1DXXXCL12K-■  
Aluminum  
8 3/4" H x 2 1/4" DIA  
LED: 8 Watts, 490 Lumens  
Available Cord Lengths:  
9", 18", 36"



Power Precise Suspended  
Aimable Cylinder  
1DXXXRP27K  
Aluminum  
2 1/2" H x 2 1/4" DIA  
w/180° tilt  
LED: 8 Watts, 490 Lumens



Power Precise Bar-Mounted  
Aimable Cylinder  
1DXXXRH03K  
Aluminum  
2 1/2" H x 2 1/4" DIA  
w/360° rotation and 180° tilt  
LED: 8 Watts, 490 Lumens



Power Precise Direct  
Mount Cylinder  
1DXXXCH04K-X  
Aluminum  
2 1/2" H x 2 1/4" DIA  
LED: 8 Watts, 490 Lumens



Power Precise Bar-  
Mounted Cylinder  
1DXXXCH04K  
Aluminum  
2" H x 2 1/4" DIA  
LED: 8 Watts, 490 Lumens



Power Precise  
Bar-Mounted  
Duplex Cylinder  
1DXXXCH07K  
Aluminum  
4 3/4" H x 2 1/4" DIA  
LED: 16 Watts, 980 Lumens

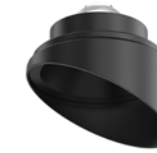
# suspenders **power** precise cylinder trim options



1XZ020101K  
Bezel with  
15° Narrow Spot Lens

1XZ020102K  
Bezel with  
38° Wide Spot Lens

1XZ020103K  
Bezel with  
60° Flood Lens



1XZ020301K  
Asymmetric Anti-Glare  
Snoot with 15° Narrow  
Spot Lens

1XZ020302K  
Asymmetric Anti-Glare  
Snoot with 38° Wide  
Spot Lens

1XZ020303K  
Asymmetric Anti-Glare  
Snoot with 60° Flood Lens



1XZ020201K  
Anti-Glare Snoot with  
15° Narrow Spot Lens

1XZ020202K  
Anti-Glare Snoot with  
38° Wide Spot Lens

1XZ020203K  
Anti-Glare Snoot with  
60° Flood Lens



1XZ020601K  
Cone Shade with  
15° Narrow Spot Lens

1XZ020602K  
Cone Shade with  
38° Wide Spot Lens

1XZ020603K  
Cone Shade with  
60° Flood Lens



1XZ020501K  
Bell Shade with  
15° Narrow Spot Lens

1XZ020502K  
Bell Shade with  
38° Wide Spot Lens

1XZ020503K  
Bell Shade with  
60° Flood Lens



1XZ020801K  
Glass Cone Shade



1XZ020701K  
Glass Bell Shade

Multiple U.S. and foreign patents granted and pending.

suspenders®

## suspenders power precise cube light engines

All with warm white color temperature (3000K) and 90CRI minimum.



Power Precise Suspended Cube  
1DXXXRP28K  
Aluminum  
2 1/4" H x 1 3/4" W x 1 3/4" D  
LED: 8 Watts, 490 Lumens



Power Precise Suspended Aimable Cube  
1DXXXRP29K  
Aluminum  
2 1/4" H x 1 3/4" W x 1 3/4" D  
w/180° tilt  
LED: 8 Watts, 490 Lumens



Power Precise Bar-Mounted Aimable Cube  
1DXXXRH04K  
Aluminum  
2 1/2" H x 1 3/4" W x 1 3/4" D  
w/360° rotation and 180° tilt  
LED: 8 Watts, 490 Lumens



Power Precise Direct Mount Cube  
1DXXXCH05K-X  
Aluminum  
2 1/4" H x 1 3/4" W x 1 3/4" D  
LED: 8 Watts, 490 Lumens

## suspenders precise sphere light engines



Precise Suspended Aimable Sphere  
1DXXXRP25K  
Aluminum  
2" H x 2 1/4" DIA  
w/180° tilt  
LED: 4.5 Watts, 280 Lumens



Precise Bar-Mounted Aimable Sphere  
1DXXXRH02K  
Aluminum  
2" H x 2 1/4" DIA  
w/360° rotation and 180° tilt  
LED: 4.5 Watts, 280 Lumens

## suspenders precise cell light engines



Precise Suspended Aimable 3-Cell  
1DXXXRP23K  
Aluminum  
1 1/2" H x 3 1/4" W x 1" D  
w/180° tilt  
LED: 3 Watts, 210 Lumens



Precise Suspended Aimable 6-Cell  
1DXXXRP24K  
Aluminum  
1 1/2" H x 6 1/2" W x 1" D  
w/180° tilt  
LED: 6 Watts, 420 Lumens



Precise Bar-Mounted Aimable 3-Cell  
1DXXXRH05K  
Aluminum  
1 3/4" H x 2 3/4" W x 1" D  
w/360° rotation and 180° tilt  
LED: 3 Watts, 210 Lumens



Precise Bar-Mounted Aimable 6-Cell  
1DXXXRH06K  
Aluminum  
1 3/4" H x 5 1/4" W x 1" D  
w/360° rotation and 180° tilt  
LED: 6 Watts, 420 Lumens

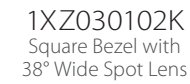
Multiple U.S. and foreign patents granted and pending.

suspenders®

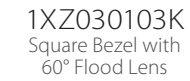
## suspenders power precise cube trim options



1XZ030101K  
Square Bezel with 15° Narrow Spot Lens



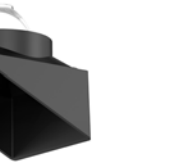
1XZ030102K  
Square Bezel with 38° Wide Spot Lens



1XZ030103K  
Square Bezel with 60° Flood Lens



1XZ030301K  
Asymmetric Anti-Glare Snoot with 15° Narrow Spot Lens



1XZ030303K  
Asymmetric Anti-Glare Snoot with 60° Flood Lens

1XZ030302K  
Asymmetric Anti-Glare Snoot with 38° Wide Spot Lens



1XZ030201K  
Anti-Glare Snoot with 15° Narrow Spot Lens



1XZ030203K  
Anti-Glare Snoot with 60° Flood Lens

1XZ030202K  
Anti-Glare Snoot with 38° Wide Spot Lens

## suspenders® precise sphere trim options



1XZ010017K  
Bezel with 30° Spot Lens

1XZ010018K  
Bezel with 50° Flood Lens

## suspenders® precise cell trim options



1XZ040001K  
3-Cell 10° Lens

1XZ040002K  
3-Cell 10°x35° Lens



1XZ040003K  
3-Cell 24° Lens

1XZ040004K  
3-Cell 48° Lens



1XZ040005K  
6-Cell 10° Lens

1XZ040006K  
6-Cell 10°x35° Lens

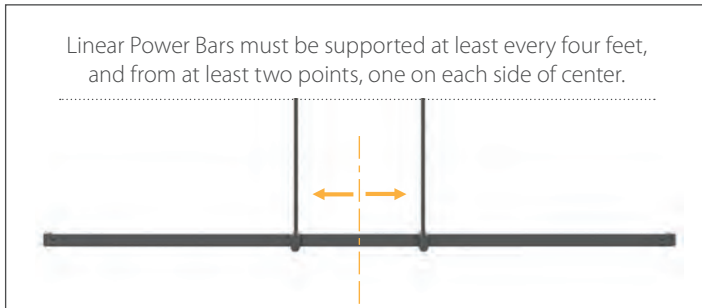


1XZ040007K  
6-Cell 24° Lens

1XZ040008K  
6-Cell 48° Lens

# linear power bars

Linear Power Bars extend power through the Suspenders system. Available in six lengths.



lengths: 12" / 24" / 36" / 48" / 72" / 96"

1XC01XX12K  
12" Linear

1XC01XX24K  
24" Linear

1XC01XX36K  
36" Linear

1XC01XX48K  
48" Linear

1XC01XX72K  
72" Linear

1XC01XX96K  
96" Linear

Multiple U.S. and foreign patents granted and pending.

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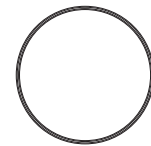
# ring power bars

Ring Power Bars support Luminaires around their circumference. Available in four sizes and two styles: with Hangers pre-attached for use in a Single or Double Ring configuration, and without Hangers for use in an Offset Ring configuration. For Offset Ring configurations, Hangers must be specified and ordered separately as needed.

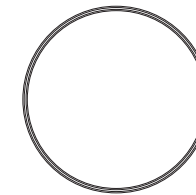


sizes: 24" DIA / 32" DIA / 40" DIA / 48" DIA

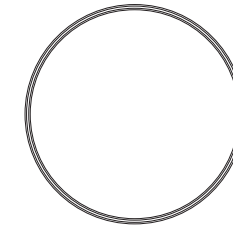
For use with Offset Ring configurations



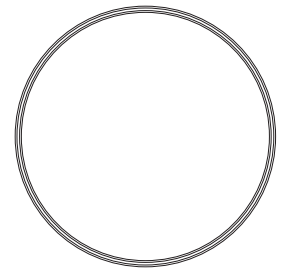
1XC03XX24K-X  
24" Diameter Ring



1XC03XX32K-X  
32" Diameter Ring



1XC03XX40K-X  
40" Diameter Ring

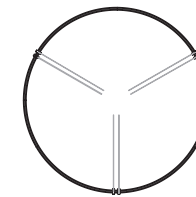


1XC03XX48K-X  
48" Diameter Ring

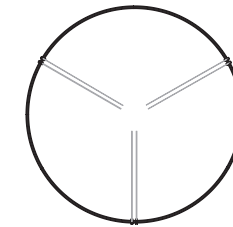
For use with Single and Double Ring configurations



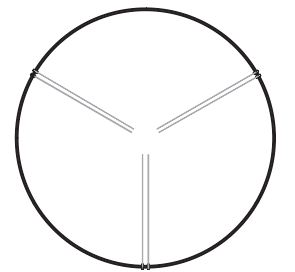
1XC03XX24K  
24" Diameter Ring  
w/ Power Feed Hangers



1XC03XX32K  
32" Diameter Ring  
w/ Power Feed Hangers



1XC03XX40K  
40" Diameter Ring  
w/ Power Feed Hangers

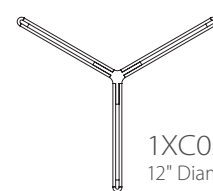


1XC03XX48K  
48" Diameter Ring  
w/ Power Feed Hangers

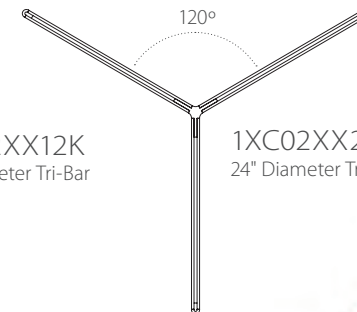
# tri-bar power bars

Tri-Bar Power Bars use three Power Bars evenly spaced in a radial pattern. Available in two sizes.

sizes: 12" DIA / 24" DIA



1XC02XX12K  
12" Diameter Tri-Bar



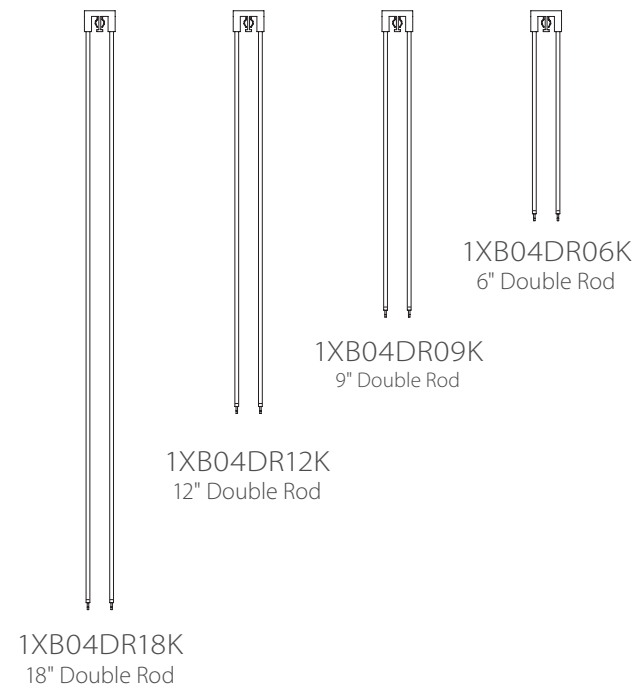
1XC02XX24K  
24" Diameter Tri-Bar



# single luminaire hanger

Single Luminaire Hangers suspend a single Luminaire from a Power Bar via two rigid Rods, with the Rods aligned perpendicular to the Power Bar. Available in four fixed lengths.

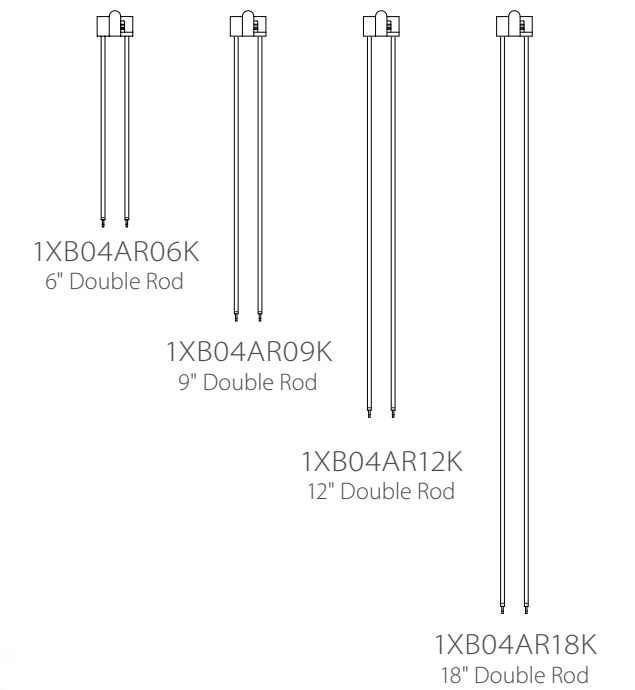
lengths: 6" / 9" / 12" / 18"



# parallel luminaire hanger

Parallel Luminaire Hangers suspend a single Luminaire from a Power Bar via two rigid Rods, with the Rods aligned parallel to the Power Bar. Available in four fixed lengths.

lengths: 6" / 9" / 12" / 18"



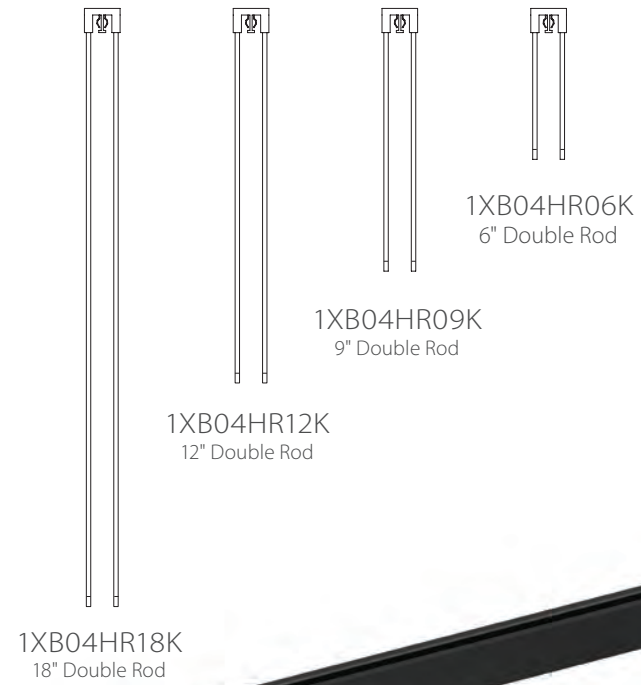
Multiple U.S. and foreign patents granted and pending.

suspenders®

# cluster luminaire hanger

Cluster Luminaire Hangers suspend a Cluster Luminaire from a Power Bar. Available in four fixed lengths.

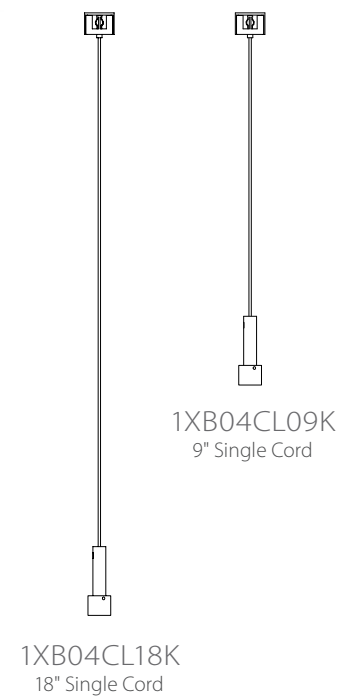
lengths: 6" / 9" / 12" / 18"

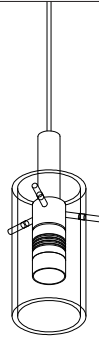
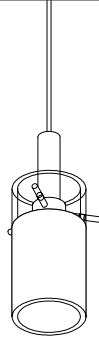
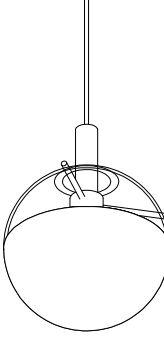


# monoline™ luminaire hanger

Monoline Luminaire Hangers suspend from a Power Bar via a flexible Cord, and combine with Monoline Luminaires CL01, CL02, and CL03. Available in two fixed lengths, with additional length adjustment via the cord loop clip.

lengths: 9" / 18"



Compatible Luminaires
 CL01 Clear Cylinder
 CL02 Half Etched Cylinder
 CL03 Half Etched Sphere

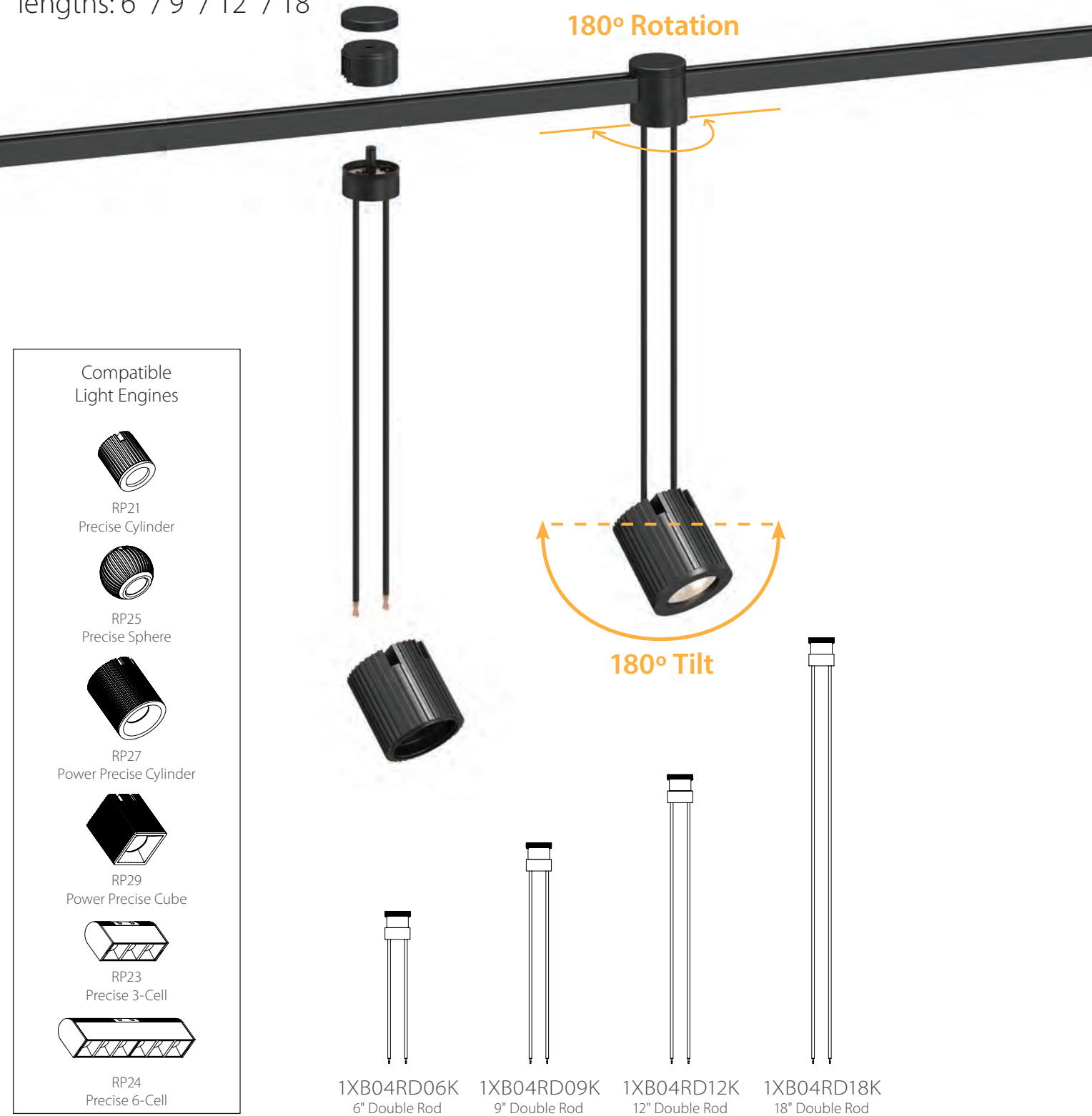
Multiple U.S. and foreign patents granted and pending.

suspenders®

# rotational luminaire hanger

The Rotational Luminaire Hanger connects a Suspended Aimable Luminaire or other Luminaire that uses a Double Rod Luminaire Hanger to a Power Bar with 180 degrees of rotation.

lengths: 6" / 9" / 12" / 18"



# bar-mounted rotational luminaire hangers

Bar-Mounted Rotational Luminaire Hangers connect a Bar-Mounted Aimable Luminaire to a Power Bar and allow it to rotate 360°. Available in two versions for ceiling mount and wall mount.



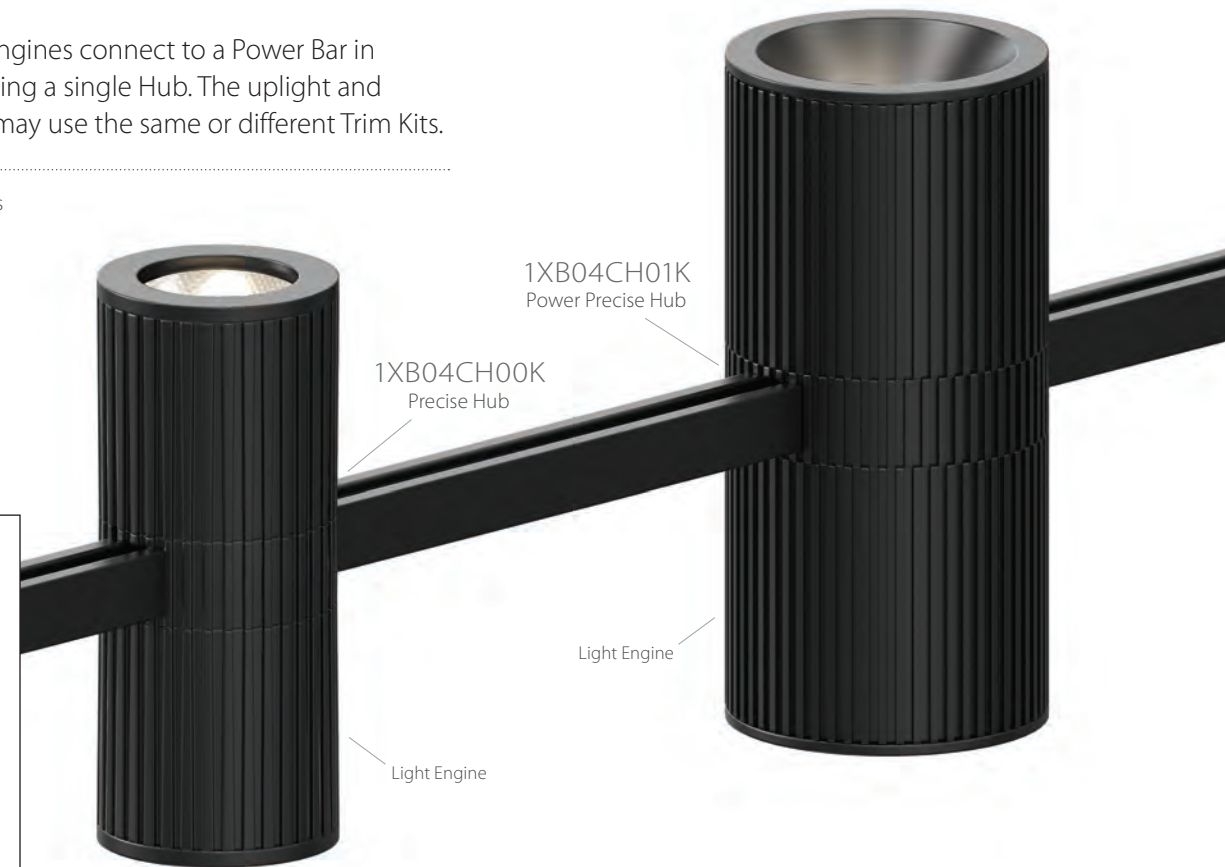
Multiple U.S. and foreign patents granted and pending.



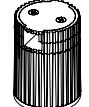
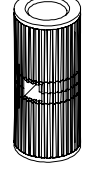


# bar-mounted duplex light engine

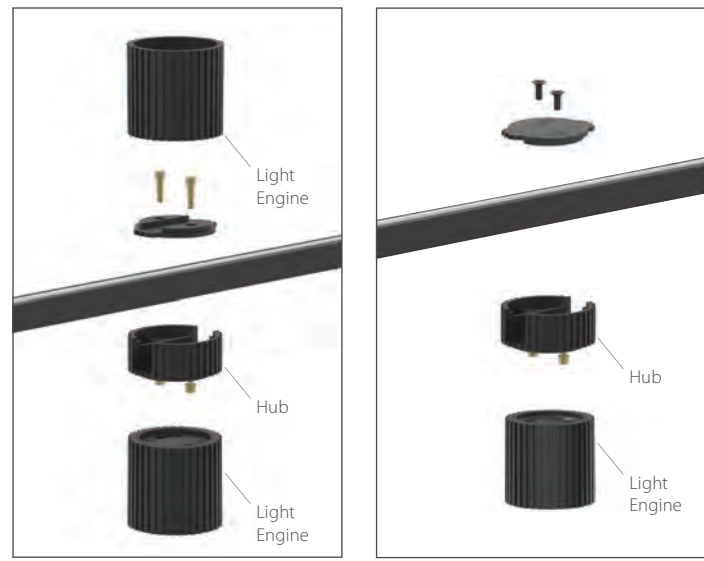
Two Bar-Mounted Light Engines connect to a Power Bar in a Duplex configuration using a single Hub. The uplight and downlight Light Engines may use the same or different Trim Kits.

See pages 160-165 for specifications



Compatible Light Engines

-  CH01  
Precise Bar-Mounted Cylinder
-  CH03  
Precise Bar-Mounted Duplex Cylinder
-  CH04  
Power Precise Bar-Mounted Cylinder
-  CH07  
Power Precise Bar-Mounted Duplex Cylinder



The Bar-Mounted Hub mounts either the Single or Duplex Cylinder Light Engine to a Power Bar.




# direct mount light engine

Direct Mount Light Engines connect to a Power Bar as uplight or downlight without an intermediary hub.

See pages 160-165 for specifications



Compatible Light Engines

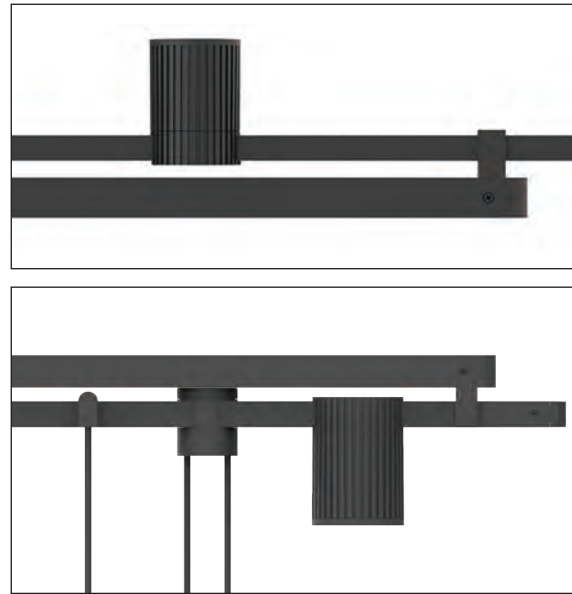
-  CH01-X  
Precise Direct Mount Cylinder
-  CH04-X  
Power Precise Direct Mount Cylinder
-  CH05-X  
Power Precise Direct Mount Cube

Multiple U.S. and foreign patents granted and pending.

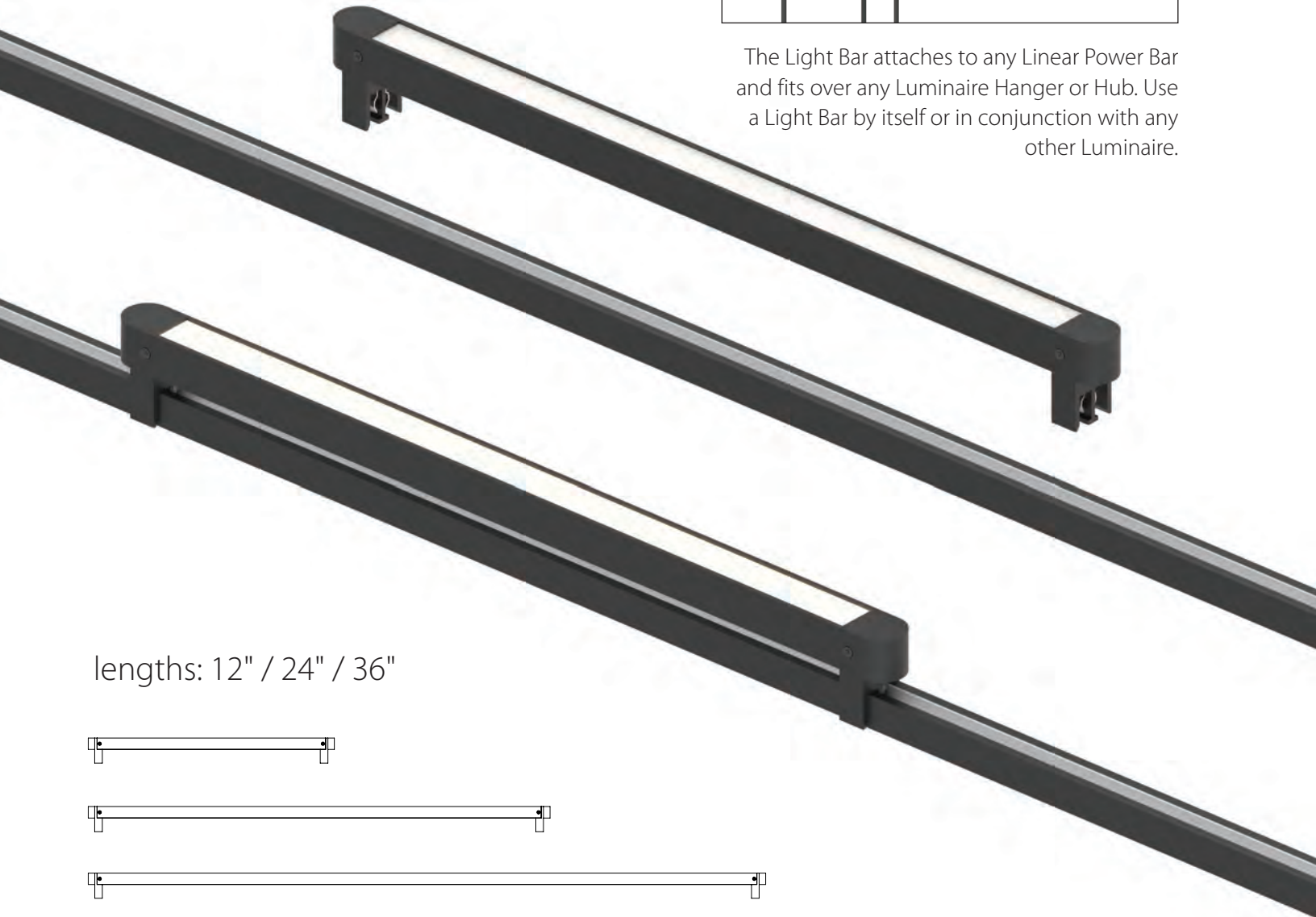
# light bars

The Light Bars snap onto a Linear Power Bar and are available in three lengths. Light Bars can be installed either on the top or bottom of a Power Bar. When installed on the top of the Power Bar, the Light bar can fit over any Luminaire Hanger or Hub.

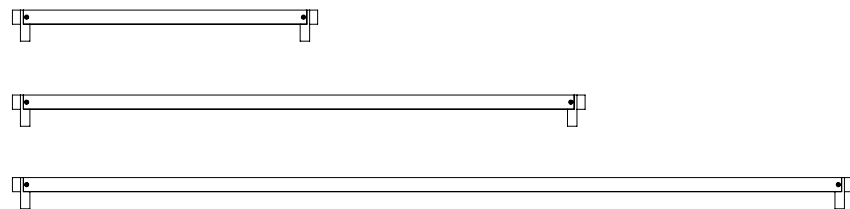
See page 156 for specifications



The Light Bar attaches to any Linear Power Bar and fits over any Luminaire Hanger or Hub. Use a Light Bar by itself or in conjunction with any other Luminaire.



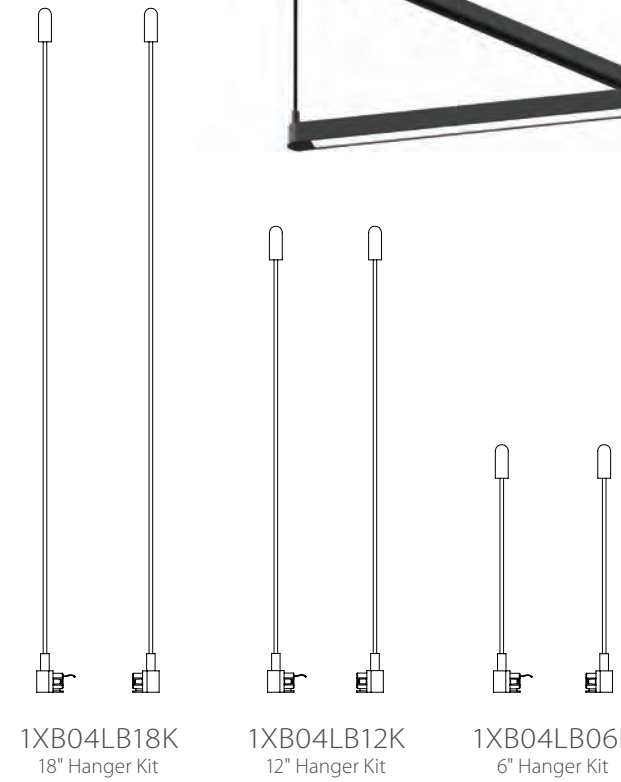
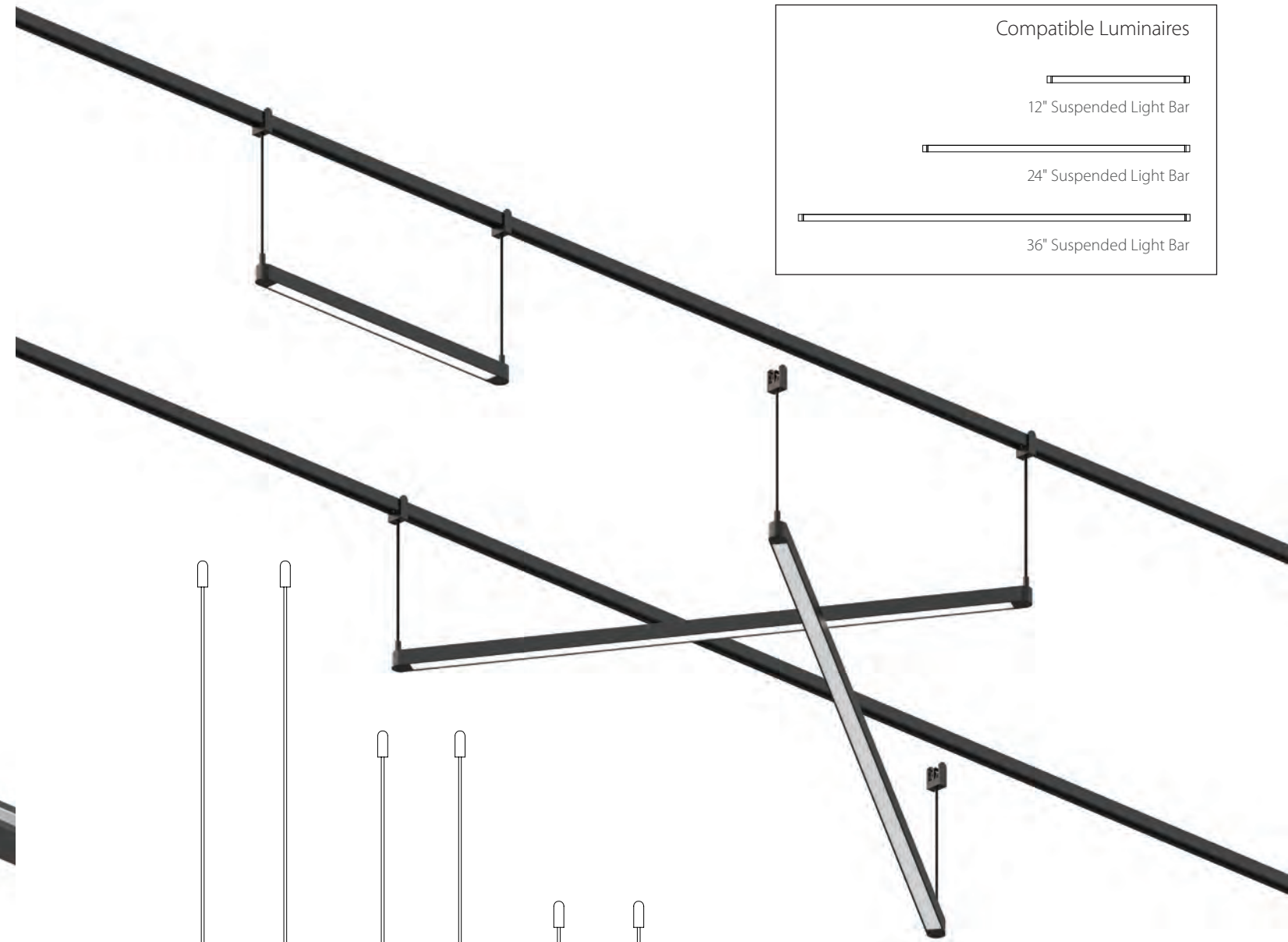
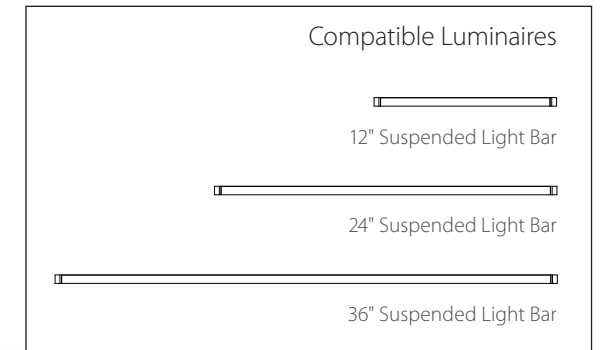
lengths: 12" / 24" / 36"



# suspended light bars

Suspended Light Bars hang from Power Bars on flexible cord, in-line with a single bar or spanning multiple bars. Light Bar Hanger Kits are available in three fixed lengths.

See page 157 for specifications



1XB04LB18K 18" Hanger Kit  
 1XB04LB12K 12" Hanger Kit  
 1XB04LB06K 6" Hanger Kit

Light Bar Hangers Kits are composed of one electrical cord and one non-electrical cord to prevent short circuits. The non-electrical cord length is adjustable to level the Suspended Light bar.

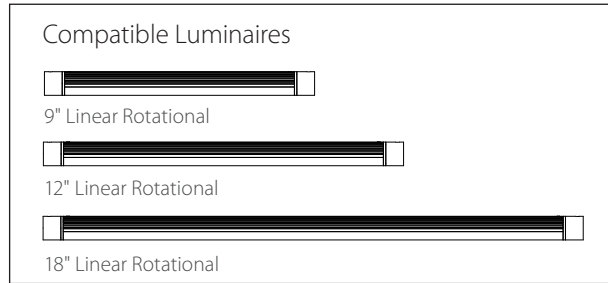
Multiple U.S. and foreign patents granted and pending.

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# single rod outrigger

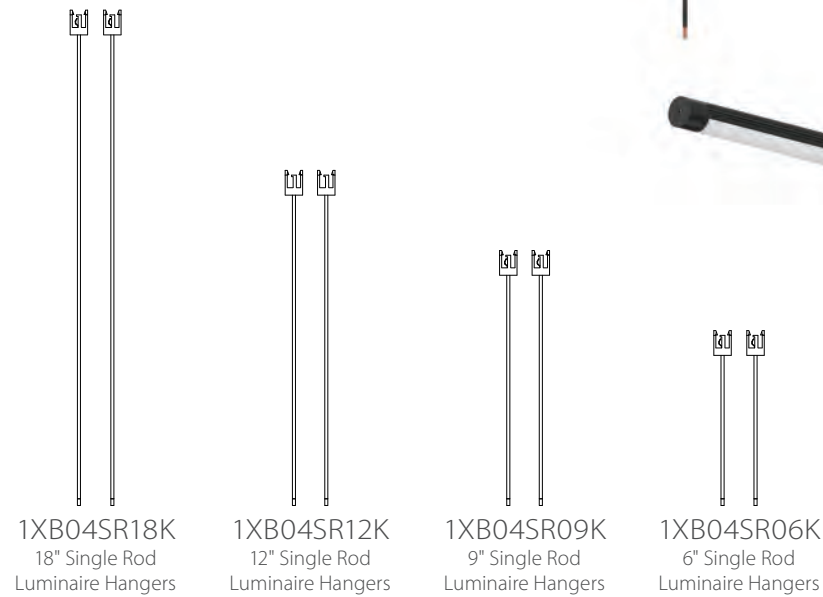
Single Rod Outrigger Luminaire Hangers extend a Linear Rotational Luminaire horizontally from a Power Bar.

See page 157 for specifications



# single rod luminaire hanger

Single Rod Luminaire Hangers suspend a Linear Rotational Luminaire from a Power Bar. Available in four fixed lengths.

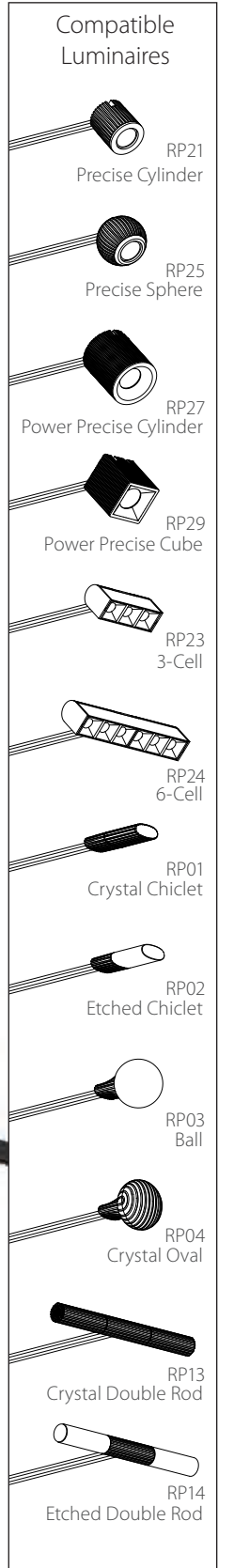


Each Single Rod Luminaire Hanger carries only half of the electrical circuit, and must be used in pairs



# double rod outrigger

Double Rod Outrigger Luminaire Hangers extend two Luminaires horizontally from a Power Bar.



Multiple U.S. and foreign patents granted and pending.

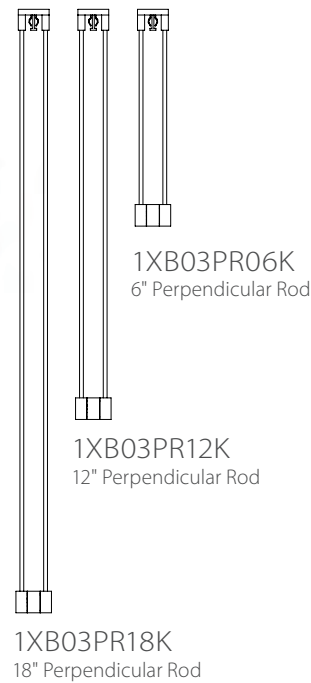
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# perpendicular rod power bar hangers

Perpendicular Power Bar Hangers suspend one Power Bar from another via two rigid Rods and align them at a right angle. Available in three fixed lengths.



lengths: 6" / 12" / 18"



Multiple U.S. and foreign patents granted and pending.

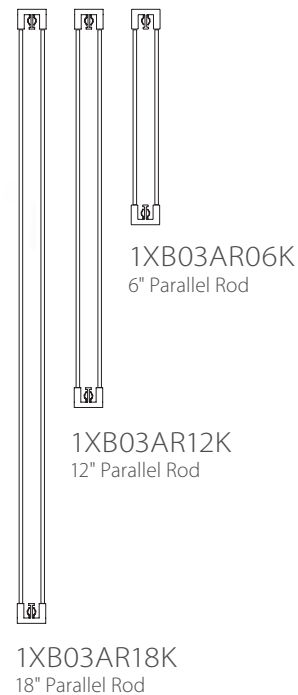
suspenders®

# parallel rod power bar hangers

Parallel Power Bar Hangers suspend one Power Bar from another via two rigid Rods and align them in the same direction. Available in three fixed lengths.



lengths: 6" / 12" / 18"



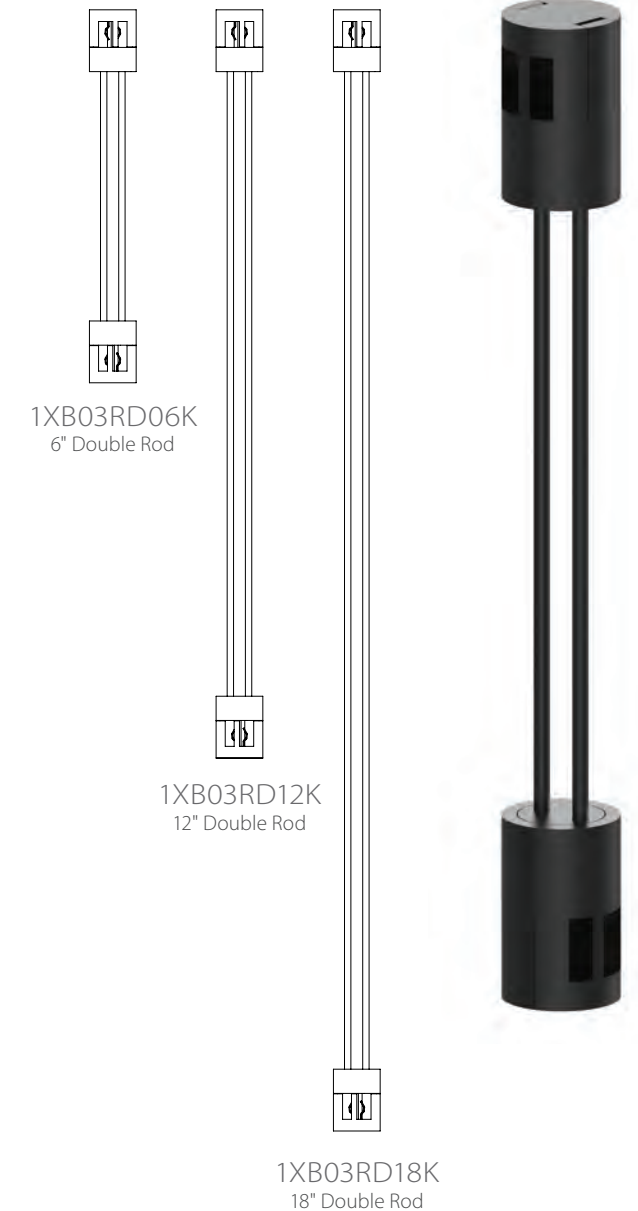
# single rod rotational power bar hanger

Single Rod Rotational Power Bar Hangers make a non-electrical connection between two Power Bars, and allow the angle between them to be adjusted 360 degrees. Available in three fixed lengths.



# double rod rotational power bar hanger

Double Rod Rotational Power Bar Hangers connect two Power Bars, electrically and in suspension, and allow the angle between them to be adjusted 240 degrees. Available in three fixed lengths.



# flush perpendicular power bar hanger

Flush Perpendicular Power Bar Hangers electrically connect two Power Bars with minimum vertical spacing, and align them at a right angle.



1XB03PR00K  
Flush Perpendicular  
Power Bar Hanger



# flush rotational power bar hanger

Flush Rotational Power Bar Hangers electrically connect two Power Bars with minimum vertical spacing, and allow the angle between them to be adjusted 360 degrees.



1XB03RD00K  
Flush Rotational  
Power Bar Hanger



Multiple U.S. and foreign patents granted and pending.

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# in-line power bar connector

In-Line Power Bar Hangers make an electrical connection between two Power Bars. Use this component to extend a linear run in any configuration.

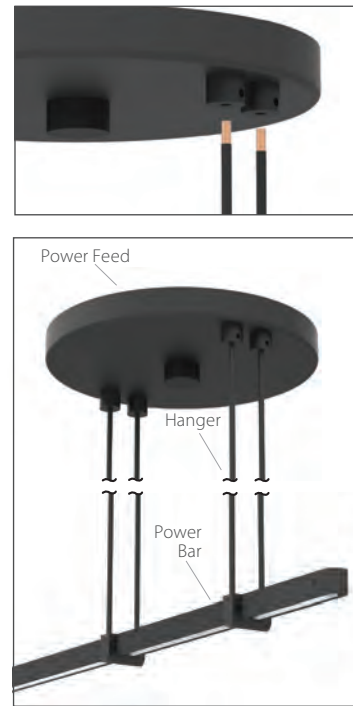
Use extra Ceiling Hangers, Surface Mount Brackets, or Wall Mount Brackets as needed to adequately support the Suspenders system. Power Bar supports must be spaced no more than four feet apart.



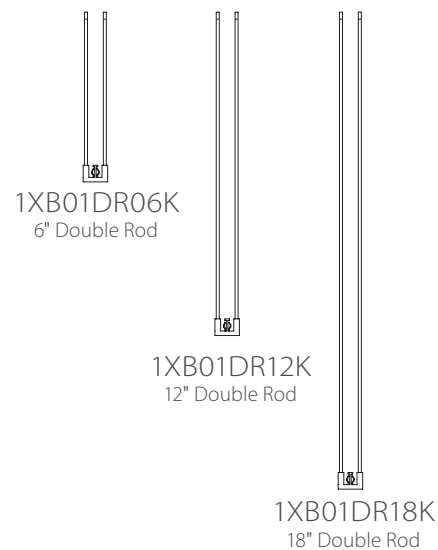
1XB03IB00K  
In-Line Power Bar Hanger

# double rod power feed hanger

Double Rod Power Feed Hangers connect a Power Feed to a Power Bar, electrically and in suspension. They are available as rigid Rods up to 18" and can be field-cut to the desired length.



lengths: 6" / 12" / 18" field-cutttable rod

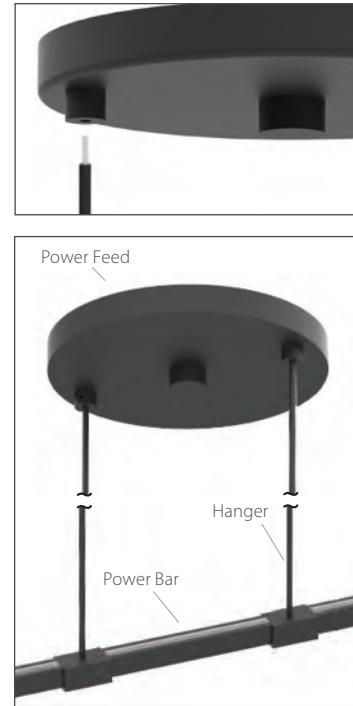


Multiple U.S. and foreign patents granted and pending.

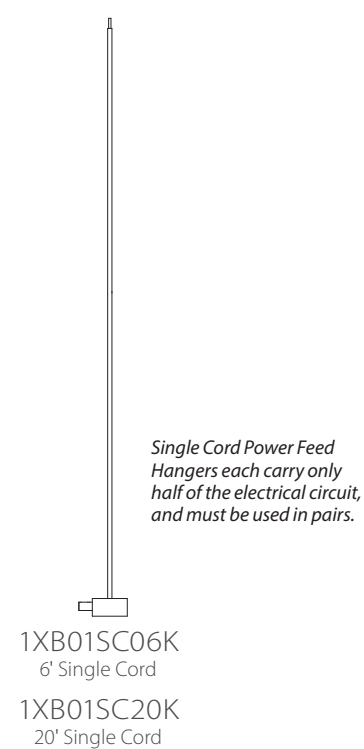
suspenders®

# single cord power feed hanger

Single Cord Power Feed Hangers connect a Power Feed to a Power Bar, electrically and in suspension. Available as 6' and 20' flexible Cord, and can be field-cut to the desired length.

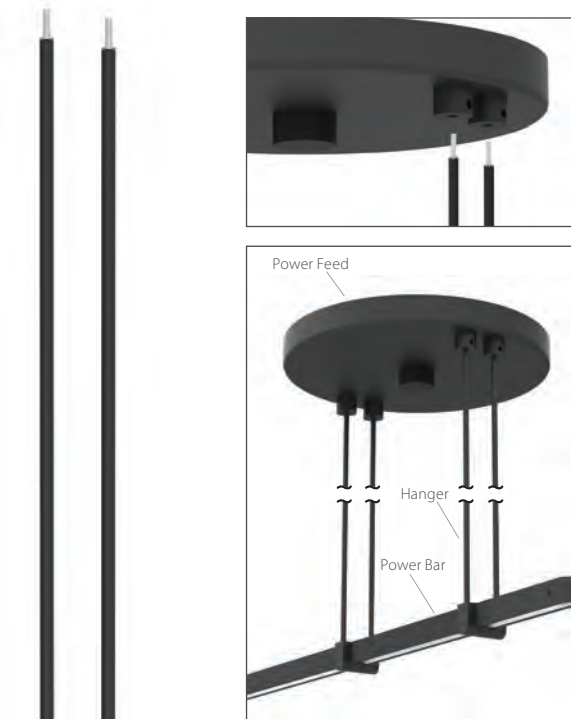


lengths: 6' and 20' field-cutttable cord

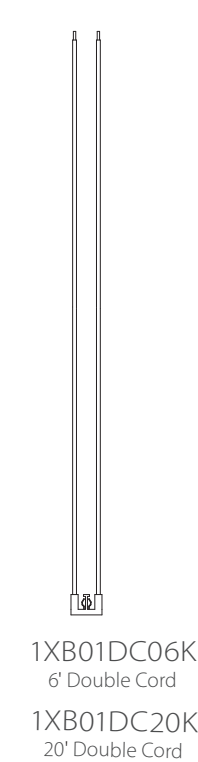


# double cord power feed hanger

Double Cord Power Feed Hangers connect a Power Feed to a Power Bar, electrically and in suspension. Available as 6' and 20' flexible Cord, and can be field-cut to the desired length.



lengths: 6' and 20' field-cutttable cord



# in-line cord power feed hanger

In-Line Cord Power Feed Hangers connect a Power Feed to two Power Bars, electrically and in suspension, from a single Hanger. Available as 6' and 20' flexible Cord, and can be field-cut to the desired length.

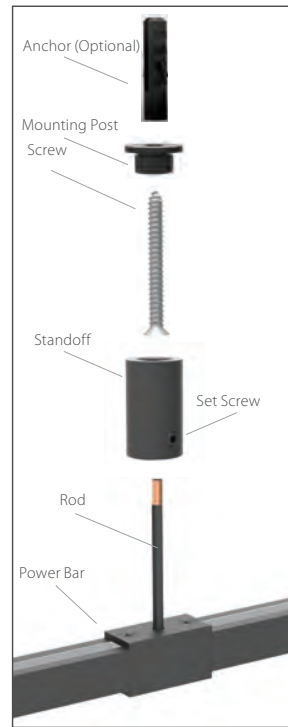


lengths: 6' and 20' field-cutttable cord



# single rod ceiling hanger

Single Rod Ceiling Hangers make a non-electrical connection between a Power Bar and the ceiling. Available as 18" rigid Rod that can be field-cut to the desired length.



lengths: 18" field-cuttable rod



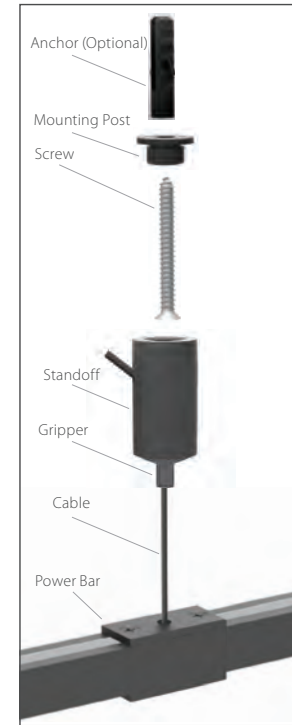
1XB02SR18K  
18" Single Rod

Multiple U.S. and foreign patents granted and pending.

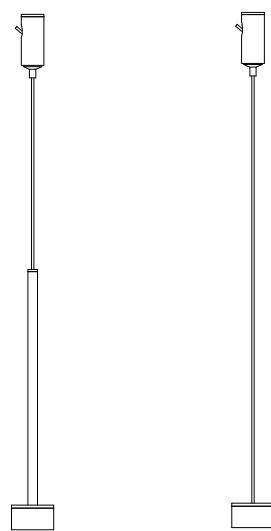
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# single cable ceiling hanger

Single Cable Ceiling Hangers make a non-electrical connection between a Power Bar and the ceiling. Available as 6' and 20' flexible Cable that can be field-cut to the desired length. Also available with riser stem for increased stability with Outrigger configurations.



lengths: 6' and 20' field-cuttable cable

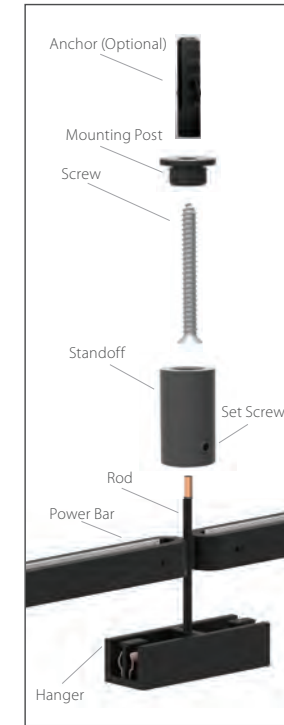


1XB02SB06K-ST 6' Single Cable w/Stem  
1XB02SB06K 6' Single Cable  
1XB02SB20K-ST 20' Single Cable w/Stem  
1XB02SB20K 20' Single Cable



# single rod in-line ceiling hanger

Single Rod In-Line Ceiling Hangers make an electrical and mechanical connection between two Power Bars and a non-electrical connection to the ceiling. Available as 18" rigid Rod that can be field-cut to the desired length.



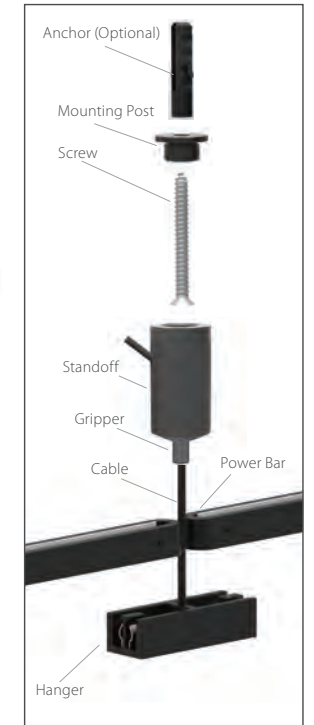
lengths: 18" field-cuttable rod



1XB02IR18K  
18" Rod

# single cable in-line ceiling hanger

Single Cable In-Line Ceiling Hangers make an electrical and mechanical connection between two Power Bars and a non-electrical connection to the ceiling. Available as 6' and 20' flexible Cable that can be field-cut to the desired length.



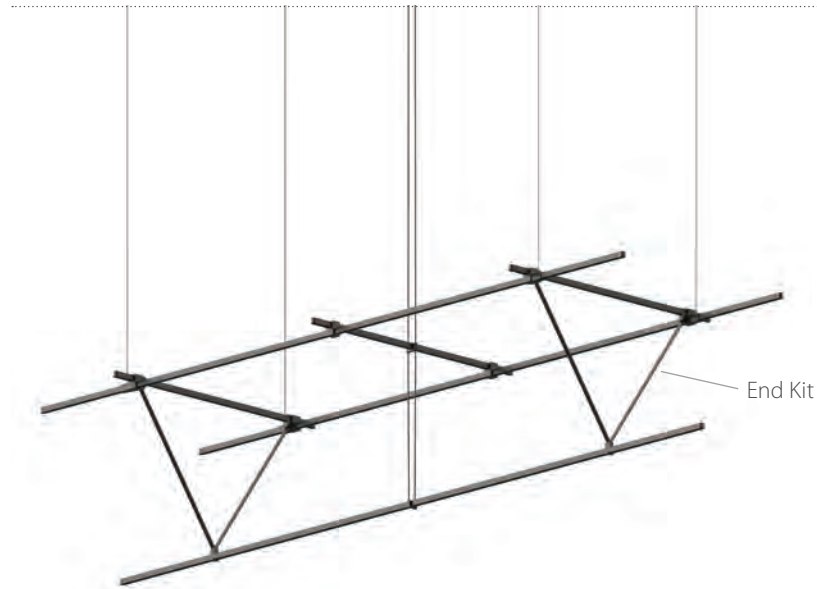
lengths: 6' and 20' field-cuttable cable



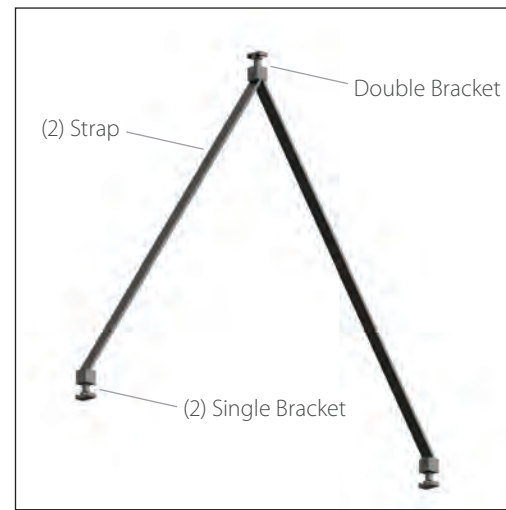
1XB02IB06K-ST 6' Cable w/Stem  
1XB02IB06K 6' Cable  
1XB02IB20K-ST 20' Cable w/Stem  
1XB02IB20K 20' Cable

# truss end kit

The Truss End Kit forms a single structural unit in a Triangle Truss configuration, or is combined with Truss Extender Kits in a Flat Truss configuration.



Shown: Triangle Truss with (2) End Kits

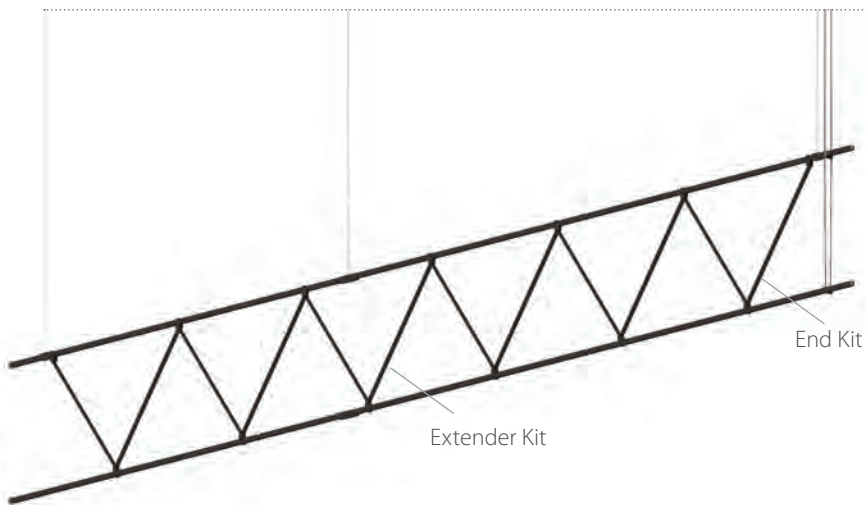


1XB03TR16K-EN  
End Kit  
15" H x 18 1/2" W x 1/2" D

Truss Kits make a rigid, non-electrical connection between Power Bars. Use a Double Cord Power Bar Hanger or Power Tap Connector to transfer electrical power between the upper and lower Power Bars in a Truss configuration.

# truss extender kit

Truss Extender Kits are combined with a Truss End Kit to form repeated structural units in a Flat Truss configuration.



Shown: Flat Truss with (1) End Kit + (5) Extender Kits



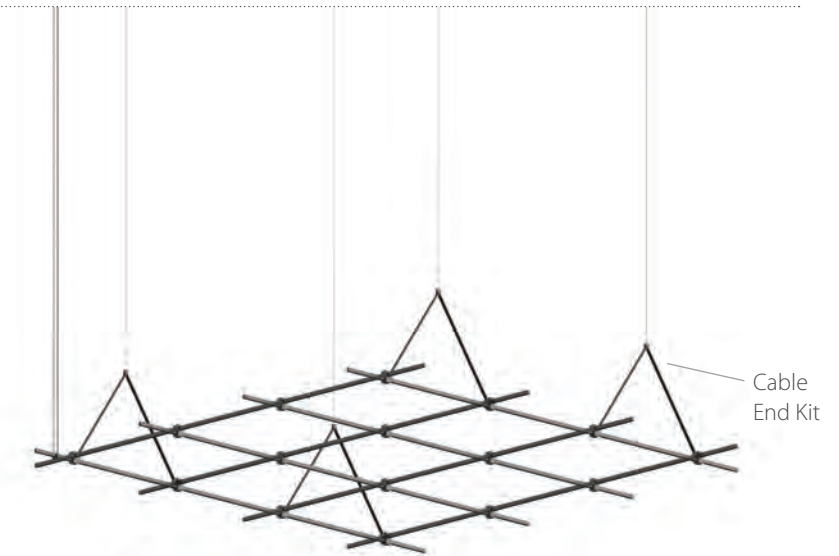
1XB03TR16K-EX  
Extender Kit  
15" H x 18 1/2" W x 1/2" D

Multiple U.S. and foreign patents granted and pending.

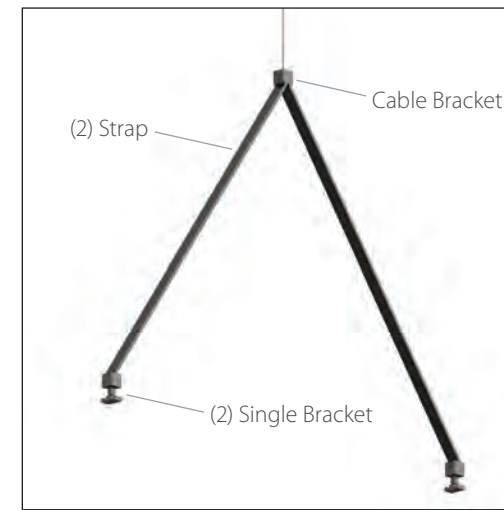
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# truss cable end kit

The Truss Cable End Kit forms a single structural suspension unit in a Truss-Suspended Gridscape configuration.



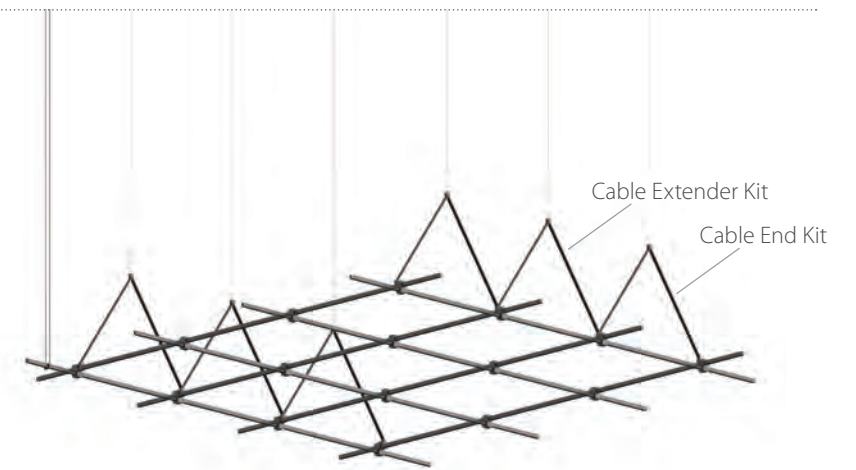
Shown: Truss Suspended Gridscape with (4) Cable End Kits



1XB02TR06K-EN  
6' Cable End Kit  
1XB02TR20K-EN  
20' Cable End Kit  
15" H x 18 1/2" W x 1/2" D

# truss cable extender kit

Truss Cable Extender Kits combine with Cable Truss End Kits to form repeated structural suspension units in a Truss-Suspended Gridscape configuration.



Shown: Truss Suspended Gridscape with (2) Cable End Kits + (4) Cable Extender Kits



1XB02TR06K-EX  
6' Cable End Kit  
1XB02TR20K-EX  
20' Cable End Kit  
15" H x 18 1/2" W x 1/2" D



# power tap

The Power Tap Connector allows two or more Power Bars to draw electrical power from the same Double Cord Power Feed Hanger, such as in a Flat Truss configuration.



1XB01PT00K  
Power Tap Connector

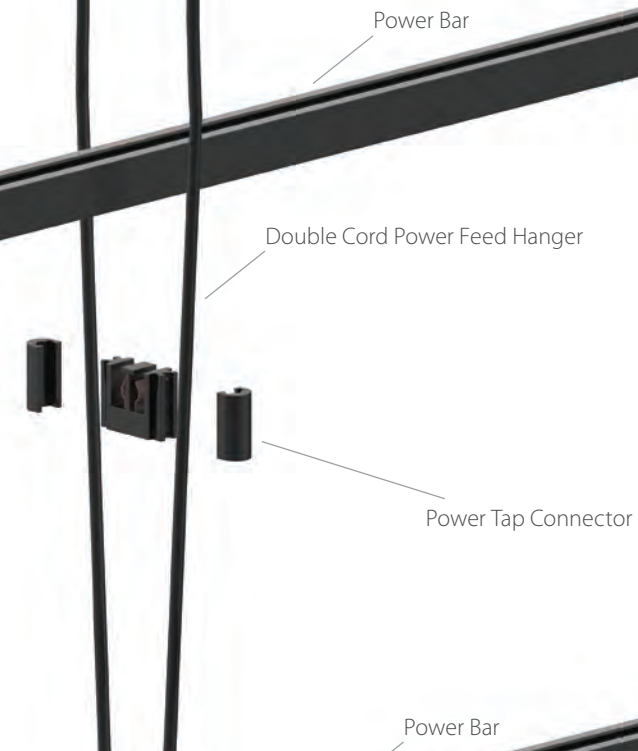


Perpendicular



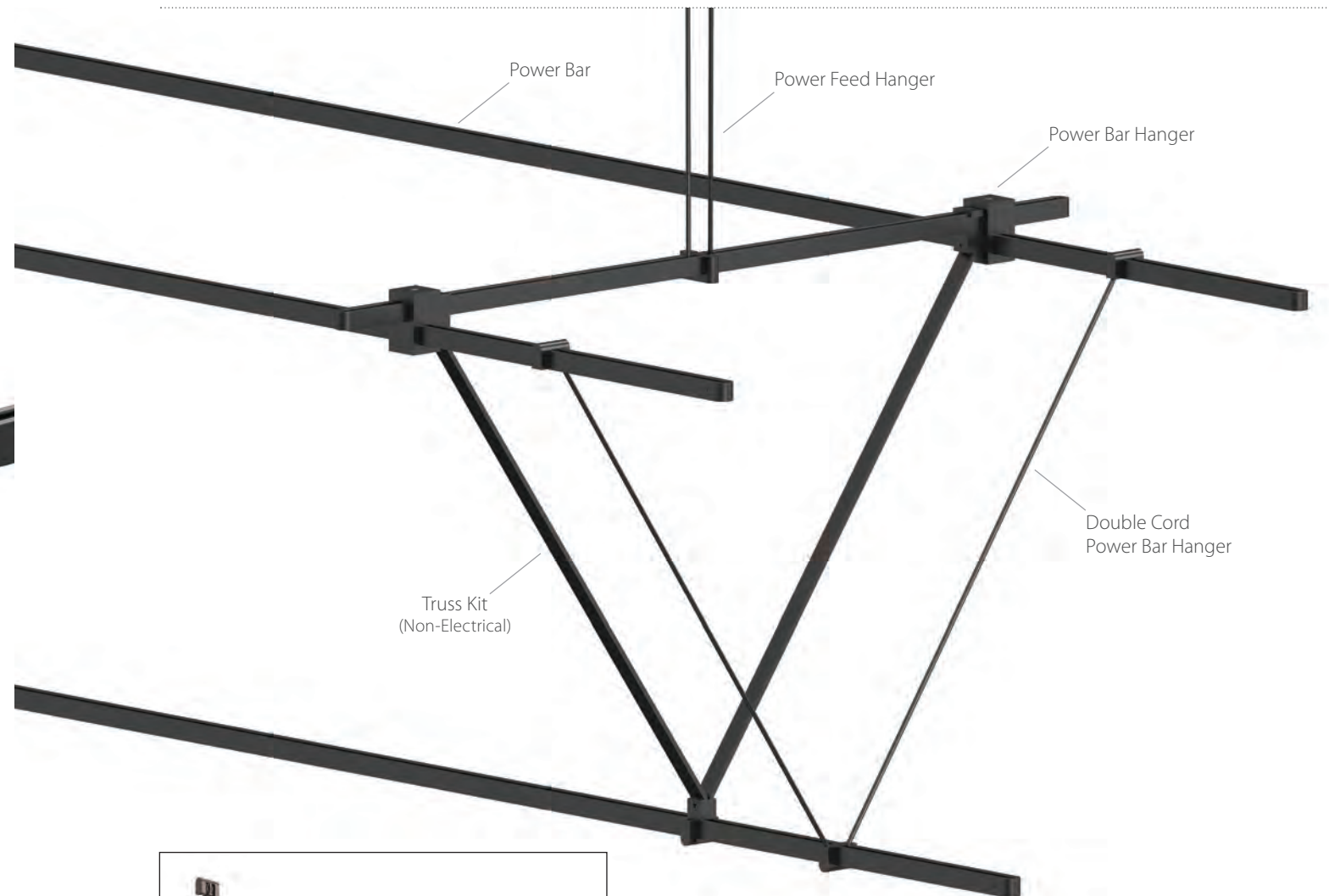
Parallel

Double Cord Power Feed Hangers flex so that Power Bars connected by a Power Tap may be aligned at any angle.



# double cord power bar hanger

Double Cord Power Feed Hangers make a flexible electrical connection between Power Bars. Use this component to transfer power between the upper tier and lower tier of a Triangle Truss configuration.

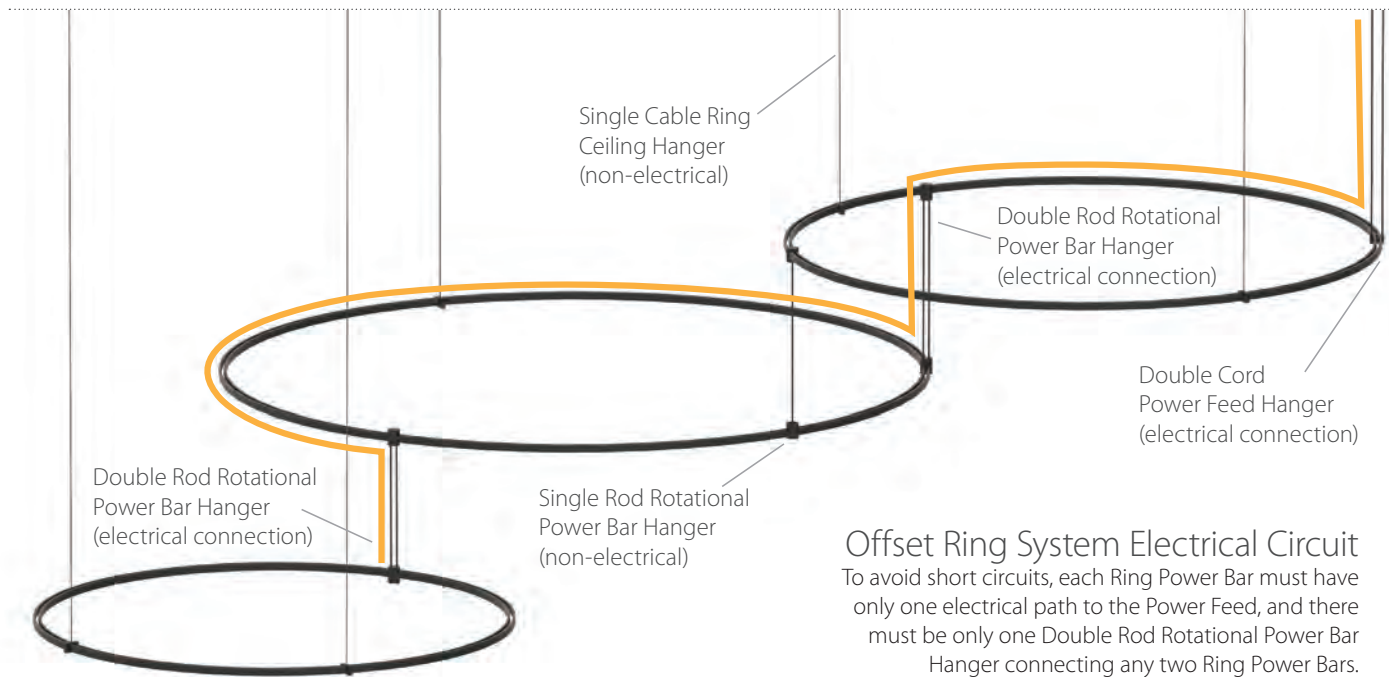
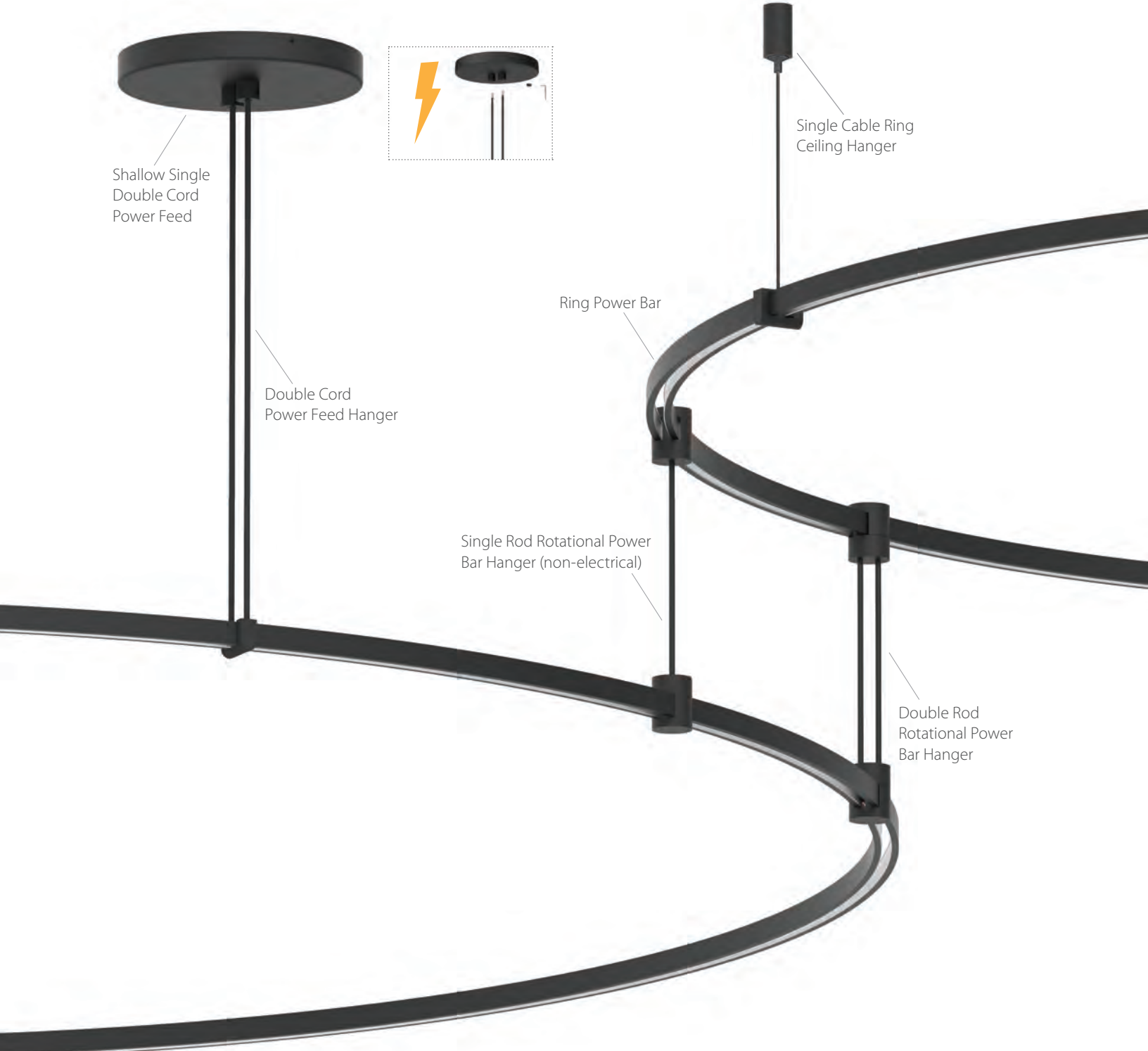


1XB03DC16K  
Double Cord  
Power Bar Hanger

Multiple U.S. and foreign patents granted and pending.

# offset ring system

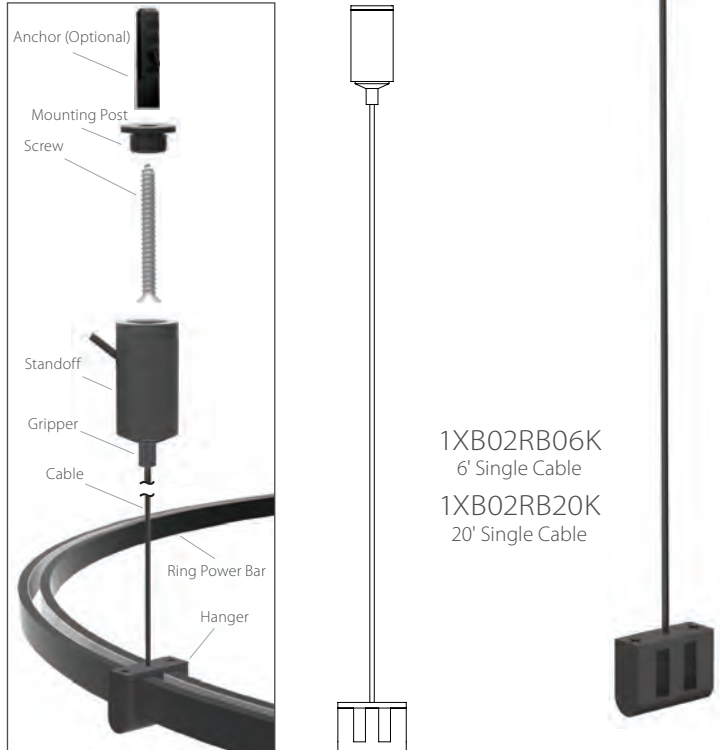
The Offset Ring System enables multiple Ring Power Bars to connect to each other, electrically and in suspension, using the Single and Double Rod Rotational Power Bar Hangers. The Ring Power Bar is connected to a Shallow Single Double Cord Power Feed using a Double Cord Power Feed Hanger, and a non-electrical connection is made from the Ring Power Bar to the ceiling using the Single Cable Ring Ceiling Hanger.



**Offset Ring System Electrical Circuit**  
To avoid short circuits, each Ring Power Bar must have only one electrical path to the Power Feed, and there must be only one Double Rod Rotational Power Bar Hanger connecting any two Ring Power Bars.

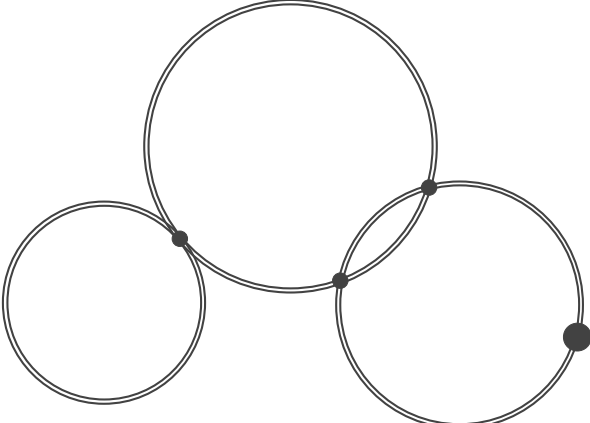
## single cable ring ceiling hanger

Single Cable Ring Ceiling Hangers make a non-electrical connection between a Power Bar and the ceiling, and are specially sized for use on Ring Power Bars. Available as 6' and 20' flexible Cable that can be field-cut to the desired length.



## Offset Ring Configuration Planning

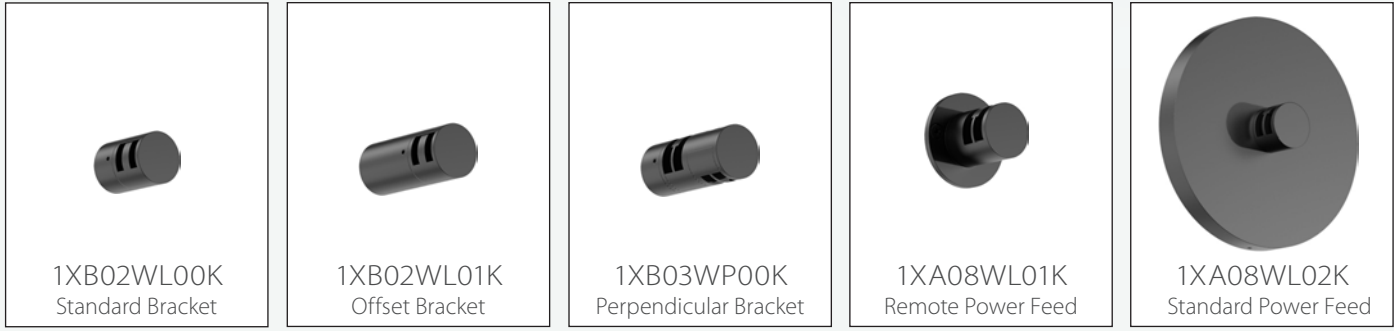
Rotational Power Bar Hangers align two Power Bars at any angle of intersection, from tangential to perpendicular. This enables the design of Offset Ring configurations with any amount of overlap between each Ring Power Bar. Each Ring Power Bar must be supported from at least three points, connected either to another Power Bar, to a Power Feed, or to the ceiling.



Multiple U.S. and foreign patents granted and pending.

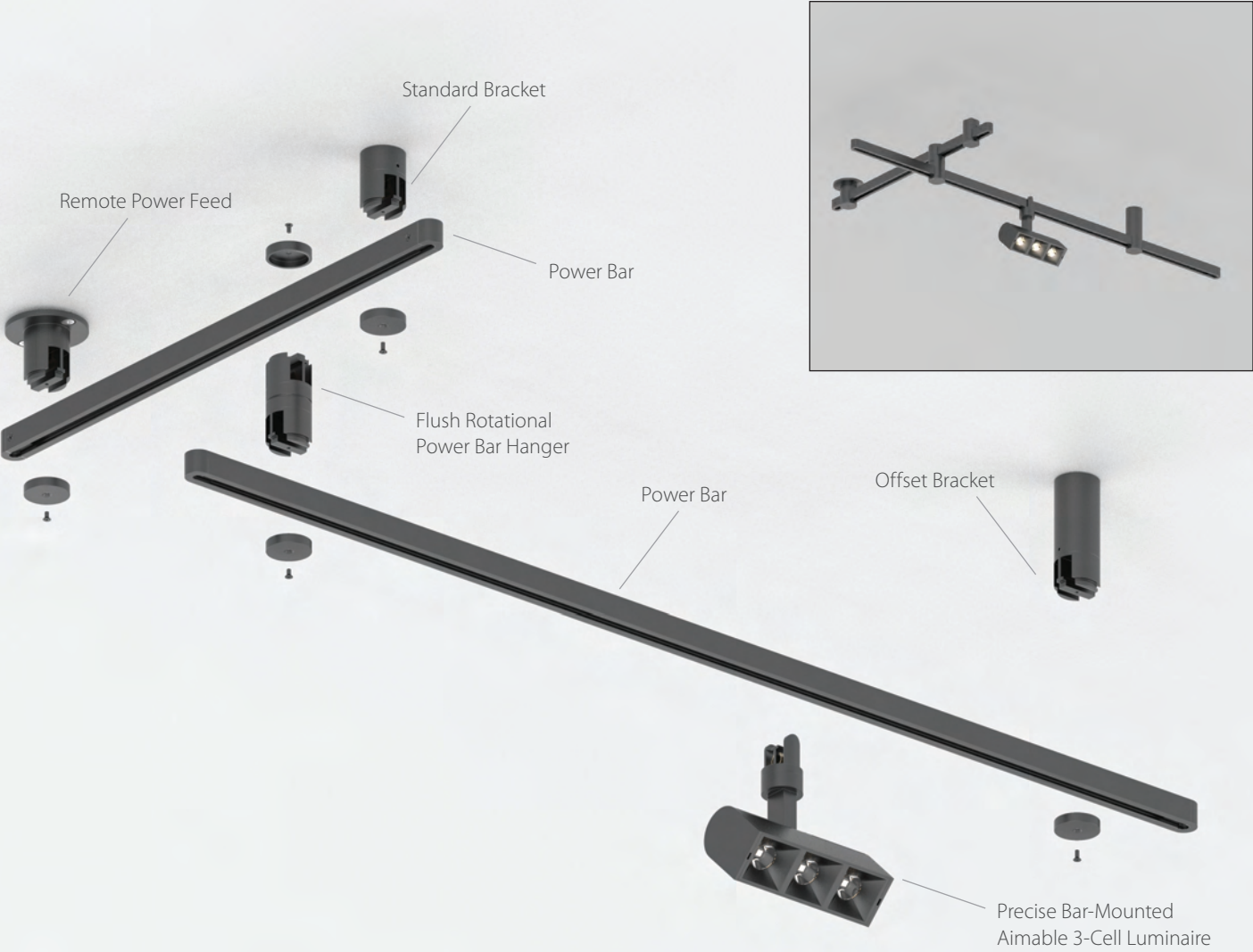
# wall mount system

The Wall Mount system consists of Power Feeds and support brackets that mount Power Bars directly to a wall with as little as 2" overall extension. The Standard Bracket and Offset Bracket provide non-electrical support, while the Perpendicular Bracket electrically connects two Power Bars at a right angle. Power Feeds are available for Outlet Box and Remote power supply installation.



# surface mount system

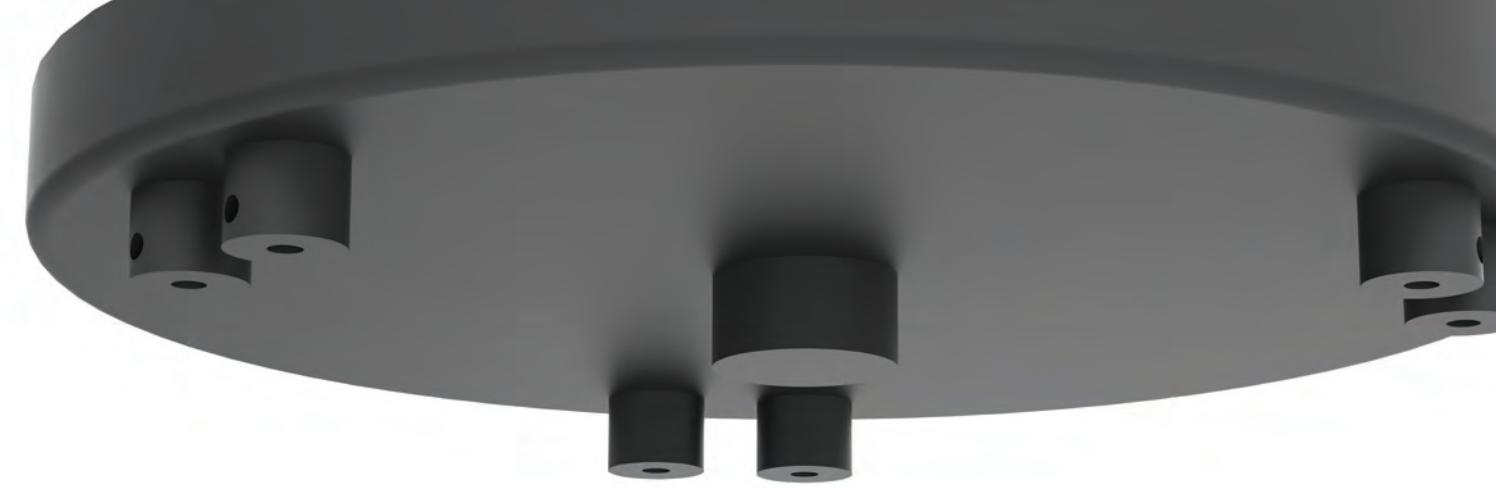
The Surface Mount system consists of Power Feeds and support brackets that mount Power Bars directly to a ceiling surface with less than 2 1/2" overall hanging height. The Standard Bracket and Offset Bracket provide non-electrical support, while the Flush Rotational Power Bar Hanger electrically connects two Power Bars at any angle. Power Feeds are available for Outlet Box and Remote power supply installation.



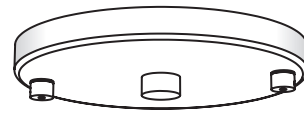
Multiple U.S. and foreign patents granted and pending.

# power feeds ceiling mounted

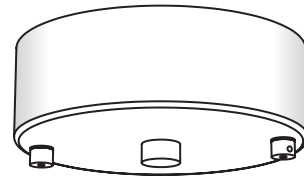
Power Feeds supply electrical power to the Suspenders system. Available in multiple shapes, sizes, and connection arrangements. Ceiling mounted Power Feeds can either contain a surface mounted Transformer or be used with a remote or outlet box mounted Transformer.



For use with Single Cord Power Feed Hangers

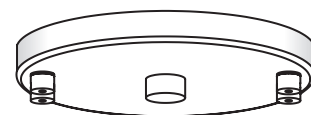


1XA01SG05K  
Shallow Linear Single

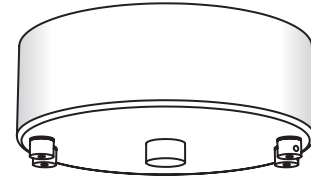


1XA01SG20K  
Deep Linear Single

For use with Double Rod or Cord Power Feed Hangers



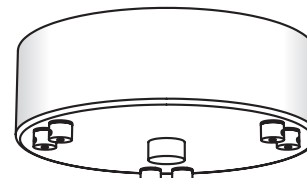
1XA01DB05K  
Shallow Linear Double



1XA01DB20K  
Deep Linear Double



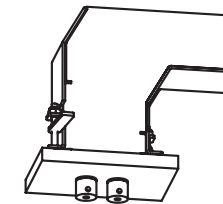
1XA02DB05K  
Shallow Tri-Bar Double



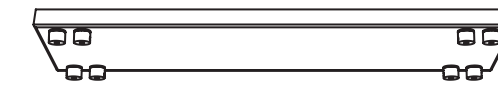
1XA02DB20K  
Deep Tri-Bar Double



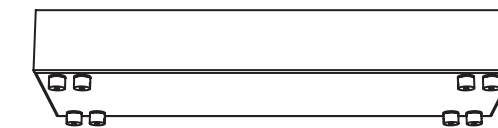
1XA07DB05K  
Shallow Single Double



1XA06DB02K  
2" Mini Box Double Power Feed with Mini Box

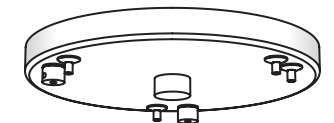


1XA04DB05K  
Shallow Tandem Double

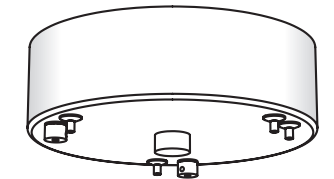


1XA04DB20K  
Deep Tandem Double

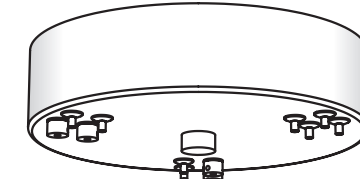
For use with Single and Double Ring configurations



1XA03SG05K  
Shallow Single Ring



1XA03SG20K  
Deep Single Ring



1XA03DB20K  
Double Ring

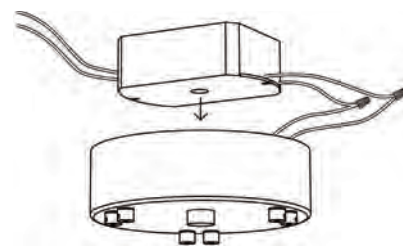


fig. 1

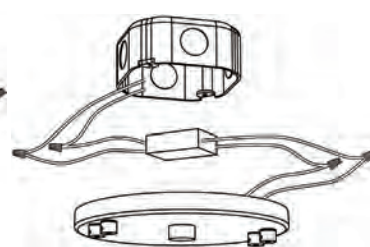
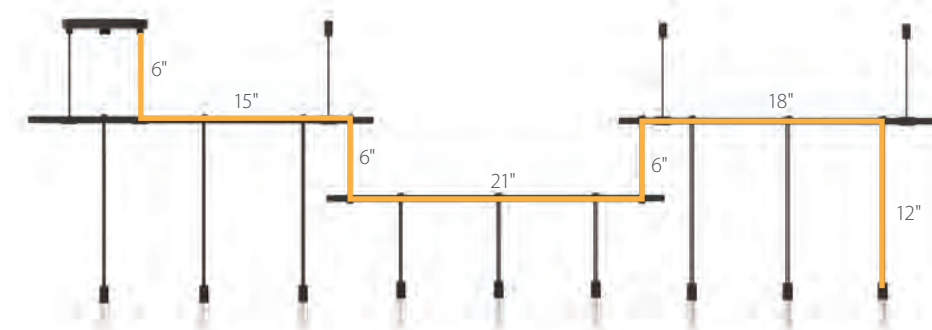


fig. 2

Use a deep Power Feed for surface mounted Transformers (fig. 1).

Use a shallow Power Feed for outlet box mounted or remote Transformers (fig. 2).

See page 199 for Power Supplies specifications.



Suspenders Luminaires can tolerate a voltage drop of up to 20%. To avoid excessive voltage drop, we recommend that the electrical path from the Power Feed to the farthest Luminaire not exceed 30 feet.

✓ Total length = 84" (7')

Multiple U.S. and foreign patents granted and pending.

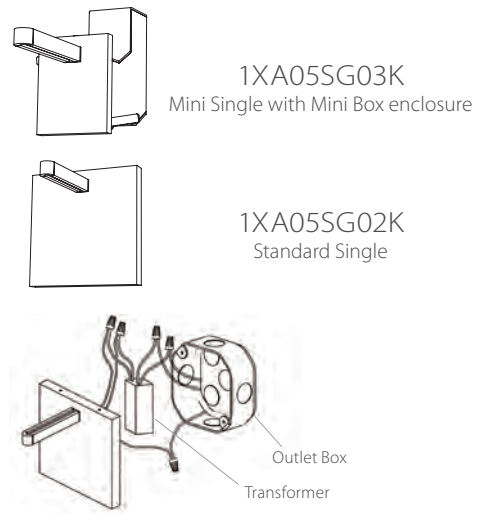
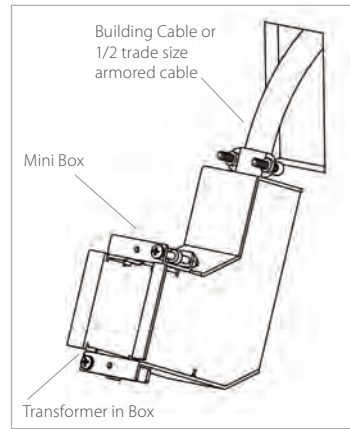
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# power feeds

## wall mounted – single sconce

Power Feeds supply electrical power to the Suspenders system. Wall mounted Standard Power Feeds mount to a 4" outlet box, and Mini Power Feeds mount to the Suspenders Mini Box enclosure.

sizes: mini / standard



# power supplies

The Transformers for Suspenders are 24V output Low Voltage power supplies. 277V input (60W), 0-10V dimming, and other options are available for special order.

## unhoused

120VAC Input, 24V Output  
ELV Dimming, Electronic Transformer



T06UH1224ELVE  
60 Watts



T07UH1224ELVE  
75 Watts



T30UH1224ELVE  
300 Watts

## housed / remote

120VAC Input, 24V Output  
ELV Dimming, Electronic Transformer



T06RT1224ELVE  
60 Watts



T07RT1224ELVE  
75 Watts

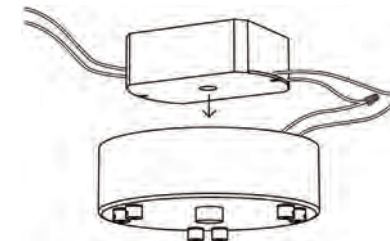
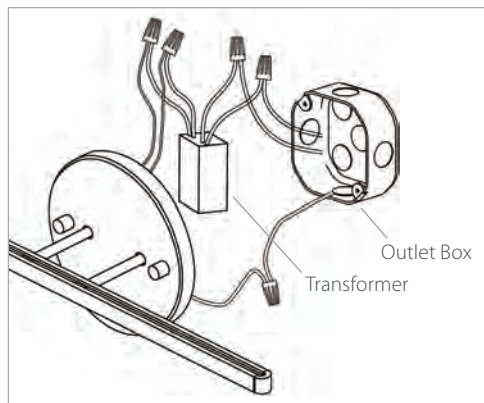


T30RT1224ELVE  
300 Watts

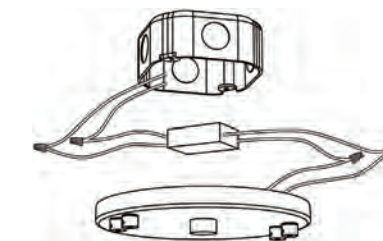
## wall mounted – bar sconce

Power Feeds supply electrical power to the Suspenders system. Bar Sconce Power Feeds come in three sizes and mount to a 4" outlet box.

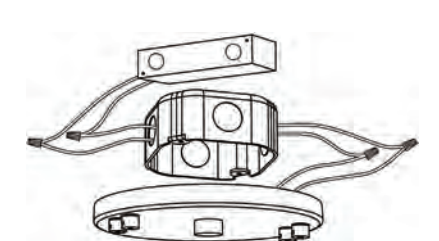
sizes: 6" / 18" / 24"



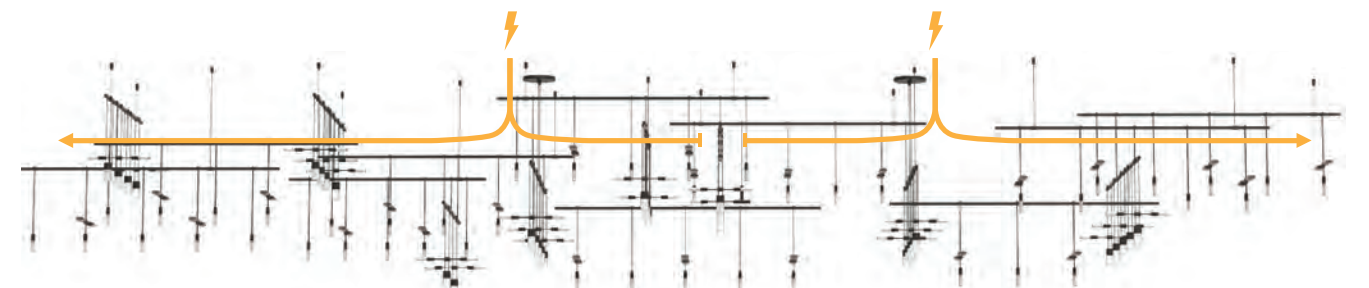
All unhoused Transformers can be surface mounted in a deep Power Feed.



60W and 75W unhoused Transformers can be mounted in a standard outlet box or the Suspenders Mini Box enclosure.



All housed Transformers are for remote installation in an accessible location in accordance with local electrical codes, and can be used with any Power Feed.



**Important:** For optimal performance and reliability, Suspenders Transformers should be operated below their full wattage capacity. If the total system wattage approaches the maximum Transformer load, either upgrade to the next highest rated Transformer, or use multiple Power Feeds with the circuits electrically isolated from each other. Contact a Suspenders expert for help with derating (see page 207).

Multiple U.S. and foreign patents granted and pending.

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Multiple U.S. and foreign patents granted and pending.

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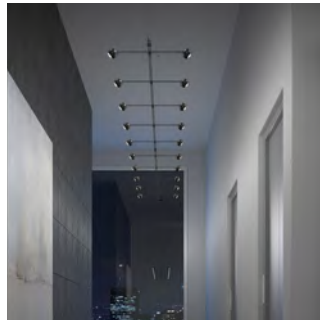
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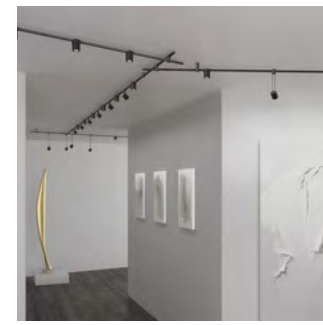
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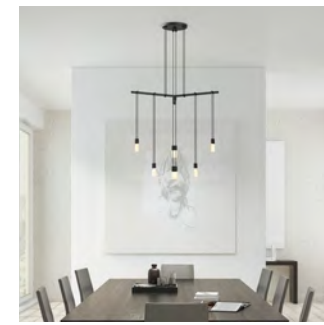
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Multiple U.S. and foreign patents granted and pending.

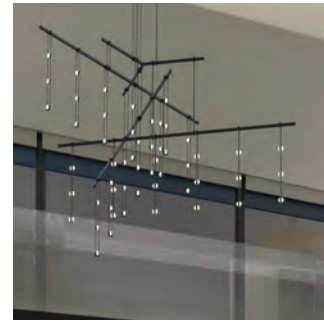
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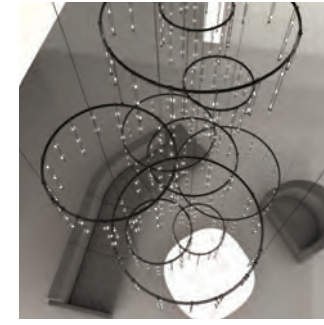
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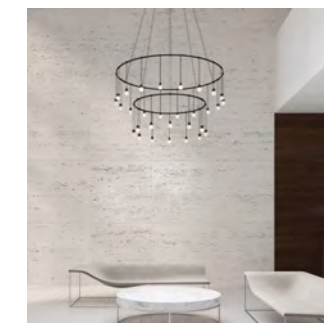
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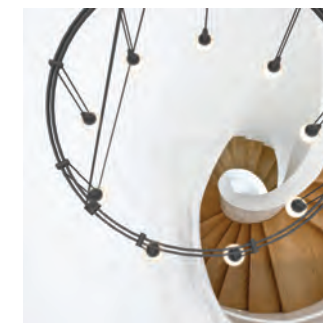
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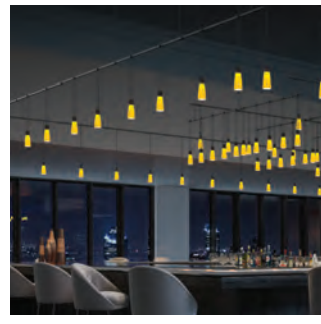
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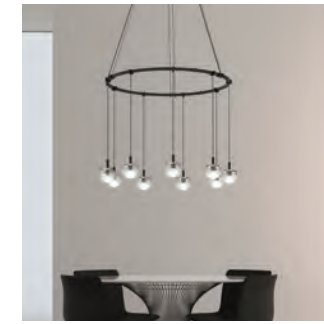
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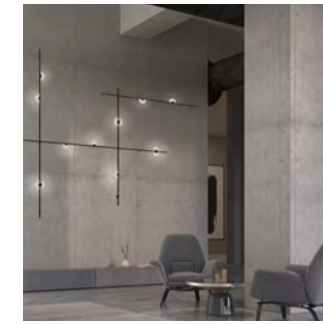
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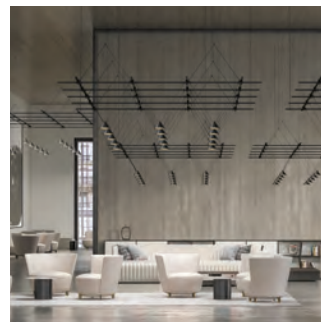
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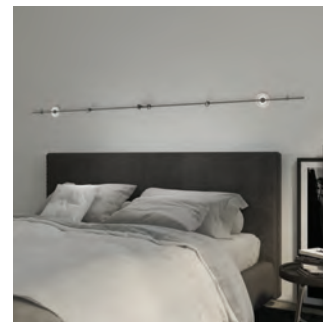
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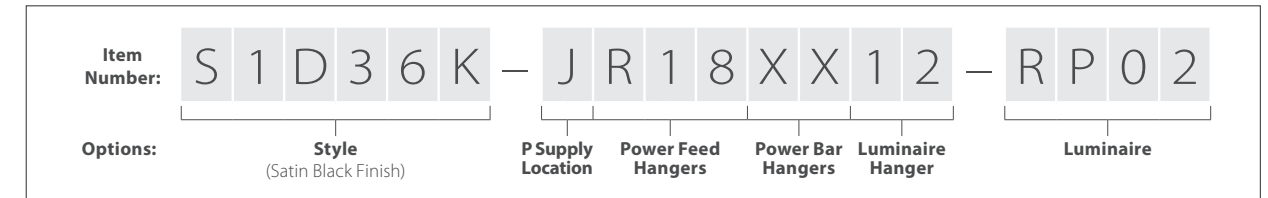
# how to order

There are two ways to order Suspenders:  
Using our Suspenders Selector and Custom Ordering.

## suspenders selector

Our online Suspenders Selector tool allows you to build your Suspenders system, starting from 23 preconfigured designs and selecting from the available customization options to generate a unique item number for your system as shown below.

Visit <http://selector.sonnemanawayoflight.com> to get started.



## custom ordering

Our Custom Ordering allows you to design a totally customized Suspenders configuration for your space. Call 914-834-3600 or email [suspendersconfig@sonneman.com](mailto:suspendersconfig@sonneman.com) to contact a Suspenders expert who will assist you in the design of your fixture.

Multiple U.S. and foreign patents granted and pending.

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## ABOUT

# ROBERT SONNEMAN



Award winning and acclaimed for clean lines and innovative approaches, Robert Sonneman, "Lighting's Modern Master," pioneered modern lighting in the 1960s and '70s, making it an art form. Many of Sonneman's sleek, functionalist lighting designs have become classics of the Modern era. Robert's functional sensibilities and prolific design vocabulary have grown over his fifty-year career to include a unique perspective of Modernism that extends through the architectural genres and Modernist movements of the 20th and 21st centuries. His designs have been exhibited internationally in museums, galleries, and design shows over the last five decades.\*

Today SONNEMAN has moved entirely to LED, electronic illuminating technology, with an extensive product line of over 2,000 products, developing over 100 new designs annually.

Integrating technology-driven design with form and function in innovative ways creates the dramatic modern design that makes... SONNEMAN – A Way of Light.

*"I am curious and challenged and excited to discover the odyssey that is design. I am driven by what's next."*

– Robert Sonneman

### **\*Additional Background**

Robert Sonneman's works have been exhibited in the Museum of Modern Art, New York; Cooper-Hewitt Museum, New York; the Contemporary Art Museum, Houston; the Chicago Museum of Science and Industry; the Krannert Art Museum at the University of Illinois, Urbana-Champaign; the Philadelphia Museum of Art; St. Louis Design Center; the Southwest Museum of Science and Technology; and the Saskatchewan Science Museum, Canada.

As an active contributor to design education as a guest lecturer and critic, he has served on the Advisory Boards of the Pratt School of Architecture, Parsons School of Design, and the Art Center College of Design. In addition, Robert Sonneman has participated in the Stanford Forum on Design and served on the advisory board of the Nissan Motor Corp. Sonneman is the recipient of many honors for his innovative work including the Red Dot Design Award, ASID Top Pick Award, Architizer A+ Award, NYC&G Innovation in Design Award, Best of BDNY Product Design Award, Metropolis Likes Award, Architectural Digest (AD) Great Design Award, Interior Design BOY Award, The Chicago Athenaeum's Good Design Award, LIT Lighting Design Award, LFI Innovation Award, darc Decorative Award, and Hospitality Design (HD) Award.

Multiple U.S. and foreign patents granted and pending.

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