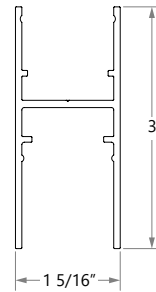


## SEGMENT



Project \_\_\_\_\_  
Type \_\_\_\_\_  
Notes \_\_\_\_\_

Architectural SSL Magazine

**PIA'22**  
product innovation award



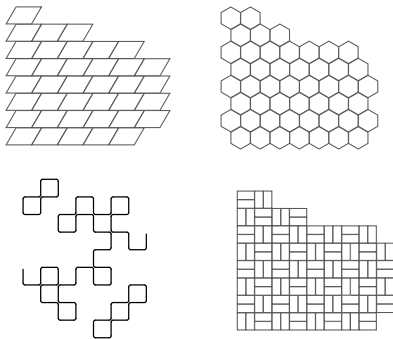
**A configuration drawing is required. Please note that unspecified segments will be covered with applicable blank covers**

**Factory is available for assistance**

**See page 2 for example of how to specify**

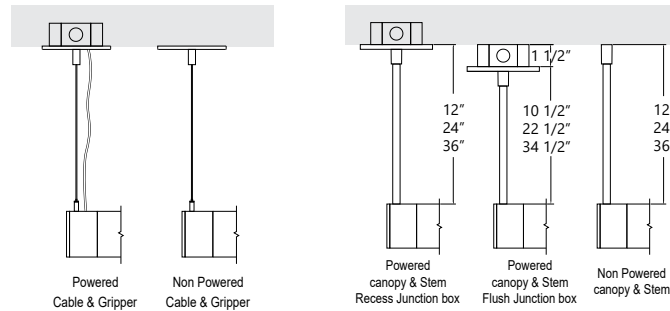


## INSPIRATION LAYOUTS

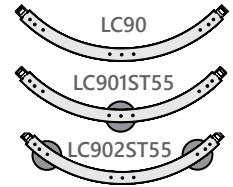


Create your own layouts with our hub families below.

## CABLE OR STEM MOUNTING



## HUBS



## Ordering Guide

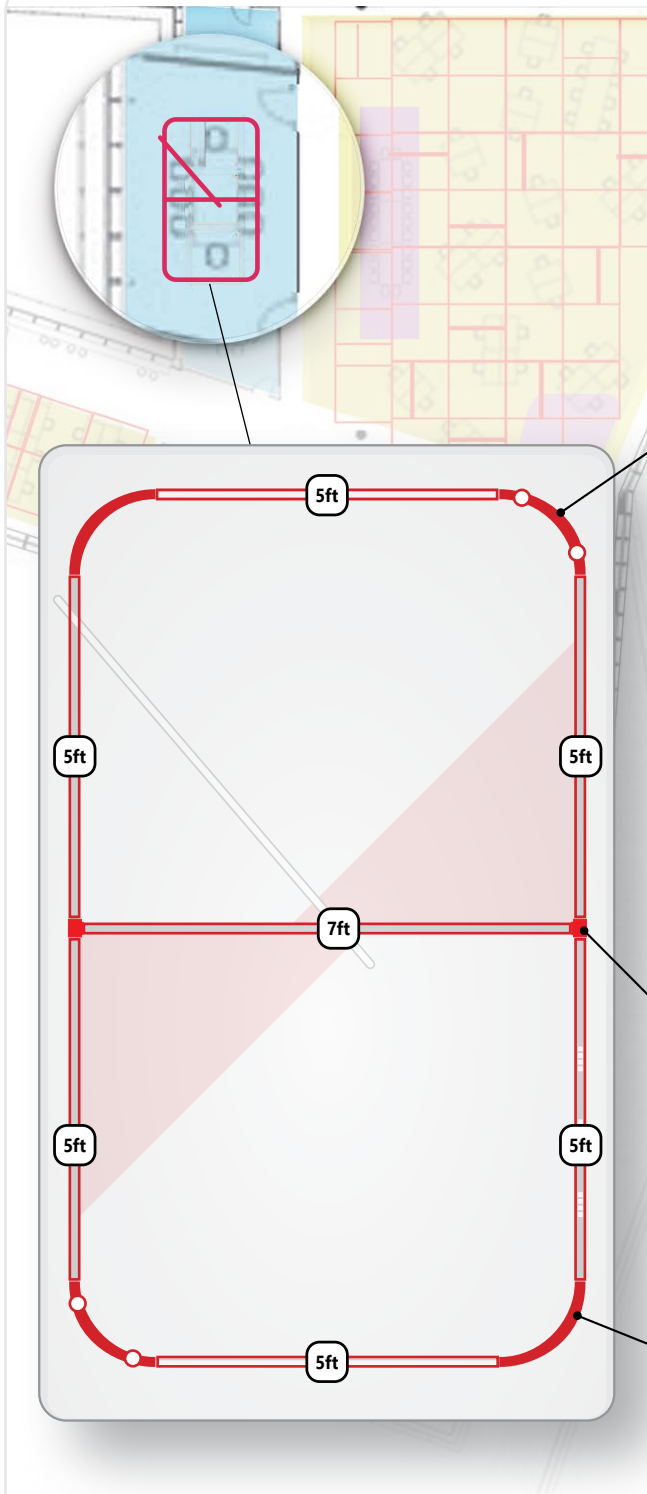
SFF	PRODUCT ID	TOTAL LENGTH	HUB QUANTITY				FINISH	VOLTAGE
SFF	StencilFlex® Framework Forms and Linear* Pendant System	L total length	<b>L90(#)</b> L Hub (90°) <b>+T90(#)</b> T Hub (90°) <b>+X90(#)</b> X Hub (90°) <b>+Y120(#)</b> Y Hub (120°) <b>+I180(#)</b> Inline Hub (180°) <b>+EC(#)</b> End Cap Hub <b>+TR60(#)</b> Triangle Hub (60°)	<b>+X120(#)</b> X Hub (120°) <b>+H120(#)</b> Hex Hub (120°) <b>+YN60(#)</b> Negative Y Hub (60°/120°) <b>+YP60(#)</b> Positive Y Hub (120°/60°) <b>+LC90(#)</b> L Curve 90° Segment Blank <b>+LC901ST55(#)</b> L Curve 90° Segment with 1 Spotlight Mount* <b>+LC902ST55(#)</b> L Curve 90° Segment with 2 Spotlight Mounts*			<b>BLK</b> black <b>W</b> white <b>AP</b> aluminum paint* <b>C(#)</b> custom** ***	<b>120</b> 120 V <b>277</b> 277 V*
* Linear runs above 8 ft available with Inline (I180) Hubs.		Total sum of all segments in your system framework. Min segment length - 3'; max - 8'; see page 3 for all available segment lengths.	* Must have an adjacent segment without an Indirect Lit insert. Please refer to <a href="#">Stella 55 spec sheet</a> to specify spotlights.				* Please note, that Axistrak™ inserts and decoratives are only available in white or black. ** You can match framework finish to Standard Palette Softzone panels. <a href="#">For recommended matching color code, see StencilFlex® SoftZone spec sheet, page 3.</a>	

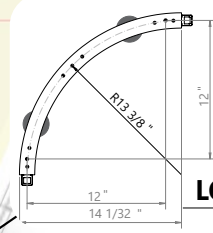
CONTROLS	CIRCUITS	MOUNTING/SUSPENSION	CANOPY	CUSTOM (OPT.)
<b>IMW</b> Integral Modular Wiring for 0-10V with DP - 0-10V dimming (1%) integral driver <b>IMWD</b> Integral Modular Wiring for DALI 2.0 with DALIDT6 integral driver <b>IMWEP</b> Integral Modular Wiring for Empower wireless controls*	<b>1</b> 1 circuit * <b>2</b> 2 circuits ** <b>C(#)</b> specify qty. of circuits*** <b>+EC(#)</b> emergency circuit****	<b>CA(#)</b> drywall+cable length (36" std.) <b>CT9(#)</b> TB/TG 9/16+cable length (36" std.) <b>CT15(#)</b> TB/TG15/16+cable length (36" std.) <b>CTS(#)</b> screw slot+cable length (36" std.) <b>SLV(#)</b> drywall+stem length >48" (18" std.) leveling	<b>RC</b> round canopy <b>SC</b> square canopy*	<b>C</b> custom
*Wireless solution. See page 6 for supported platforms. See <a href="#">IC control guide</a> for supported platforms.		See <a href="#">Mounting kit guide for full specification code</a> . White canopy standard Other canopies are available. Please visit the link above.		Please specify

Patent number: 11,118,765

Product design and development is an ongoing process at Axis Lighting. We reserve the right to change specifications. Contact Axis for the latest product information.

SPECIFICATION EXAMPLE





**LC902ST55**-Curve Segment with 2 Spotlight Mounts

**1. Specify Total Length -**    **5ft** x6 + **7ft** x1

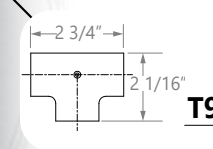
**L(37)**

TOTAL LENGTH

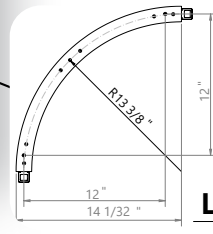
**2. Specify Hub Quantity -**

**LC90(2)+LC902ST55(2)+T90(2)**

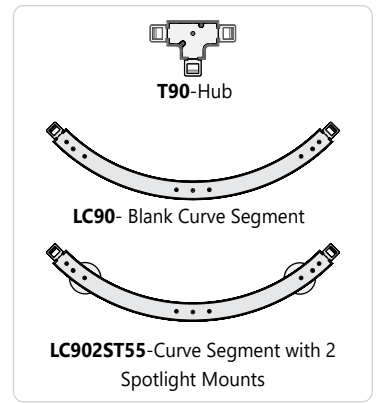
HUB QTY



**T90-Hub**



**LC90**-Curve Segment



EXAMPLE CODE

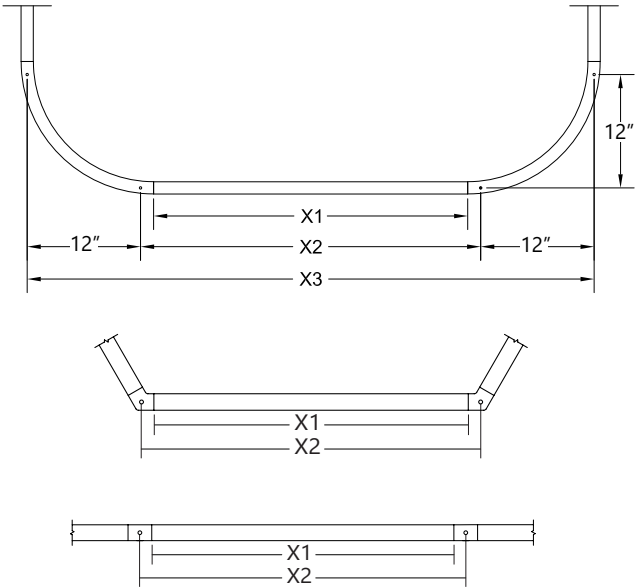
FRAMEWORK: SFF-L(37)-LC90(2)+LC902ST55(2)+T90(2)-BLK-120-IMW-1-CA(36)-RC  
SPOTLIGHTS: TDST55-MB-1600-90-35-BLK-LC902ST55 (QTY. 2)

● SEGMENT LENGTHS AND MOUNTING POINTS

Segment length X1			Mounting points X2		Curve Mounting points X3	
Feet	Inches	mm	Inches	mm	Inches	mm
3	33.250	870	36.000	914	60.000	1524
4	45.250	1175	48.000	1219	72.000	1829
5	57.250	1454	60.000	1524	84.000	2134
6	69.250	1759	72.000	1829	96.000	2438
7	81.250	2064	84.000	2134	108.000	2743
7.5	87.250	2216	90.000	2286	114.000	2896
8	93.250	2369	96.000	2438	120.000	3048

❗ Segment length from 3’ to 8’ continuous.  
Lengths above 8’ will require Inline Hub.

NOTE: Indirect insert only available starting at 5'



**X1 - Segment length**  
**X2 - Mounting points**  
**X3 - Curve Mounting points**

## ● HUBS

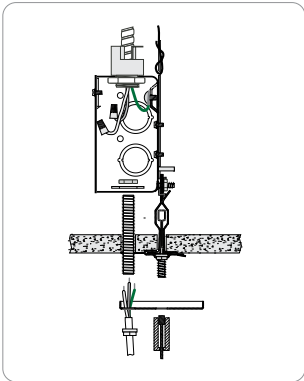
Patented system combining mechanical, electrical and reinforced suspension functions. Non-illuminated lighting segment connectors:

L-Hub (90°), T-Hub (90°), X-Hub (90°), Y-Hub (120°), Hex-Hub (120°), Inline-Hub (180°), Positive-Y-Hub (120°/ 60°), Negative-Y-Hub (60°/120°), X-Hub (60°/120°), Triangle-Hub (60°), End Cap Hub, and Curved L Hub (90°) blank or with one or two Stella 55.

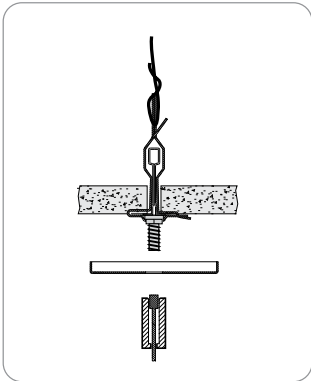
L90-Hub	T90-Hub	X90-Hub	Y120-Hub	H120-Hex Hub	I180 -Inline Hub
X120-Hub	TR60-Hub	YP60-Hub	YN60-Hub	EC - End Cap Hub	
LC90- Curve Segment		LC901ST55- Curve Segment with 1 Stella 55		LC902ST55- Curve Segment with 2 Stella 55	

● MOUNTING OPTIONS

**CT9 CT15 CTS** TILE CEILING - ON GRID

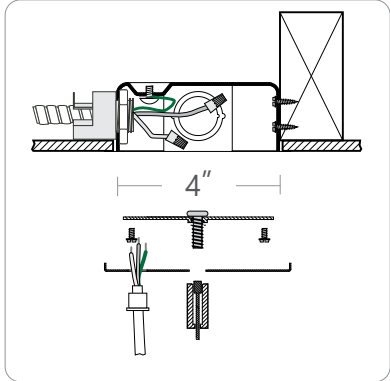


Power feed

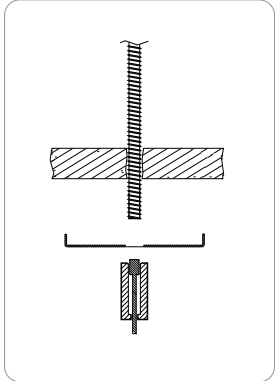


Non power feed

**CA** DRYWALL CEILING

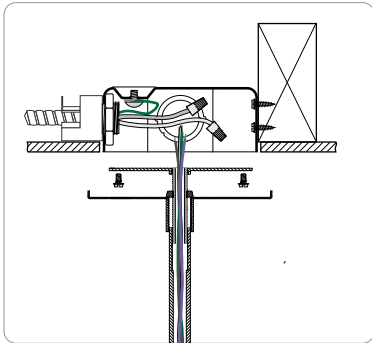


Power feed

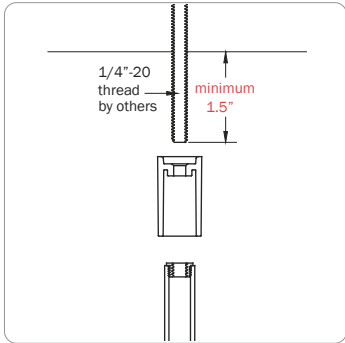


Non power feed

**SLV** STEM\* MOUNT IN DRYWALL CEILING



Power feed



Non power feed

\*Patent: 11.118.765

## ● CONSTRUCTION

<b>Housing Hubs</b>	Extruded aluminum (0.070" nominal) Steel reinforced die cast aluminum
<b>Suspension</b>	1/16" Aircraft cable 1/2" Aluminum stem with patent pending leveling adjustment.
<b>Cable Grips</b>	Quick Connecting / Release
<b>Covers</b>	Painted extruded aluminum

## ● ELECTRICAL (WIRING AND CIRCUITRY)

<b>IMW</b>	0-10V dimming system. Patented integral modular wiring system. One connection per segment. (see drawing) Designed to accept all StencilFlex® inserts with 0-10V DP integral drivers. (MAX rating 5A per power drop and circuit distribution)
<b>IMWD</b>	DALI 2.0 system. Patented integral modular wiring system. One connection per segment. (see drawing) Designed to accept all StencilFlex® inserts with DALIDT6 integral drivers. (MAX rating 5A per power drop and circuit distribution, MAX 64 drivers per DALI loop)
<b>IMWEP</b>	Wireless system. Patented integral modular wiring system. One connection per segment. (see drawing) Designed to accept all StencilFlex® inserts featuring Empower wireless control. (MAX rating 5A per power drop and circuit distribution)

**i** 0-10V wiring (IMW) can not be converted to Empower™ (IMWEP) or vice versa.

<b>Emergency (EC)</b>	Emergency circuit optional. All emergency segments have dedicated wiring and are fixed on the framework. Their location does not move. UL 924 devices are integrated within that emergency segment. Only direct lighting inserts can be used in an Emergency segment. <b>NOTE: As per UL 924 AxisTrak™ Inserts (SFLDAXT) can not be used as Emergency Inserts.</b>
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**Input Voltage** 120V, 277V, UNV

**Power Drops** Power Drops are rated at 5A. Multiple Power Drops can be combined on the same breaker. For circuit loading, refer to shop drawings.

**i** Incorporating these components may have limitations or affect the length of the luminaire, please contact factory for more details.

## ● EMPOWER SYSTEM SELECTION

StencilFlex® framework supports Empower wireless control. All of the control elements are included with the inserts. The integral modular wiring provides the power to the Empower devices. Adding the freedom of resolution of one control.

**NOTE:** See [IC CONTROL GUIDE](#) for more information on Empower partners and compatibility.

## ● FINISH

Powder coated and custom finishes are also available.

## ● WEIGHT

**Estimated framework weight per linear foot (hubs included)** 0.8 lbs/ft

## ● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at [axislighting.com](http://axislighting.com).

## ● APPROVALS

Certified to cULus standards. Framework with Linear inserts certified under UL1598. All Decoratives, Pendants, and Spotlights certified under UL2108.

