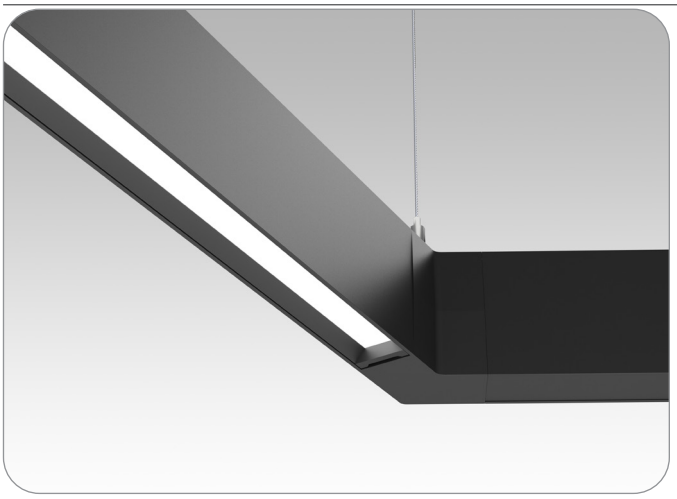
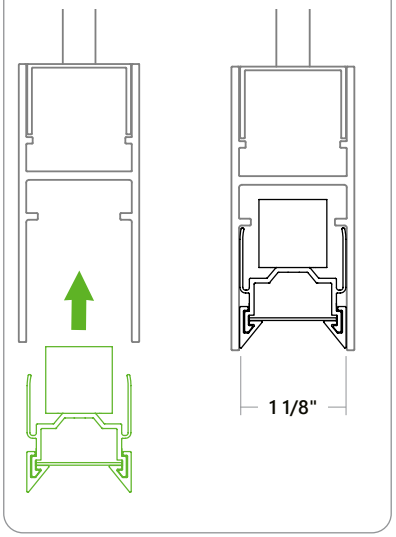
StencilFlex™

Direct Spotless Lens Regressed Insert



Please specify location of inserts on system configuration drawing within the framework

SECTION VIEW



Project _____

Type _____

Notes _____

Ordering Guide

SFLDSORG											
PRODUCT ID		**TOTAL LENGTH**		**TOTAL LUMENS/FT**		**CRI**		**COLOR TEMP.**		**VOLTAGE**	
SFLDSORG	StencilFlex™ Direct Linear Insert SO Regressed Lens	**3**	3'	**200**	200 lm/ft	**80**	80 CRI	**27**	2700 K	**120**	120 V
		4	4'	**300**	300 lm/ft	**90**	90 CRI	**30**	3000 K	**277**	277 V
		5	5'	**400**	400 lm/ft			**35**	3500 K	**UNV**	universal
		6	6'					**40**	4000 K		
		7	7'								
		7.5	7.5'								
		8	8'								

CONTROLS		END CAP FINISH		REGRESS FINISH	
MD	integral mini driver 0-10V dimming (1%) - wired*	**BLK**	black	**BLK**	black
EP(#)	integral mini driver for Empower wireless with integral sensor / control module**	**AP**	aluminum paint	**W**	white
		W	white	**AP**	aluminum paint
		C(#)	custom*	**OGD**	optical gold

* Available with multicircuit wiring.
** See page 2 for supported platforms.

! Please ensure that your end cap finish matches your framework finish selection (see Framework (SFF) spec sheet).
* SoftZone panels matching colors available. For more information see StencilFlex™ SoftZone spec sheet.

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CONSTRUCTION

Housing	Extruded aluminum (0.070'' nominal)
Reflectors	Extruded aluminum
Optics	Extruded acrylic
End caps	Painted die-cast aluminum

ELECTRICAL (INSERT WIRING)

Connection (IMW)	Patent pending integral modular wiring connection. One connection per insert. (see drawing) Designed to work with StencilFlex™ framework wired for IMW (0-10V).
Connection (IMWEP)	Patent pending integral modular wiring connection. One connection per insert. (see drawing). Designed to work with StencilFlex™ framework wired for IMWEP (Empower wireless sensor and control).
Emergency (EC)	Emergency circuit optional. All emergency inserts have dedicated wiring and are fixed on the framework. Their location does not move. UL 924 devices are integrated within that emergency segment. For Empower wireless UL 924 approved devices are used in Emergency Inserts, to provide full output in an emergency condition.
Input Voltage	120V, 277V, UNV
Mini driver (MD)	StencilFlex™ insert includes an Axis integral mini driver. 0-10V 1% dimming standard.
Empower driver and sensor / control module (EP)	StencilFlex™ insert includes an Axis integral mini D4i driver. and sencor / control module dimming standard.

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

EMPOWER WIRELESS SYSTEM SELECTION

StencilFlex™ framework supports Empower wireless control. All of the control elements are included with the inserts. The Integral Modular Wiring (IMW™) provides the power to the Empower devices, adding the freedom of resolution of one control.

Quick Select:

EP(L,WC,2,D4I)	Lutron Vive with D4i DALI Driver
EP(E,WC,2,D4I)	Enlighted SU-5E-CL with D4i DALI Driver
EP(E,WC,3,D4I)	Enlighted SU-5E-IOT with D4i DALI Driver
EP(O,WC,1,D4I)	OSRAM SensiLUM with D4i DALI Driver

NOTE: See IC CONTROL GUIDE for more information on Empower partners and compatibility.
! Please make sure to select SAME system as you have selected for the Framework.

LED SYSTEM

CRI	Minimum 80 or 90 color rendering index
CCT	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3.0–step MacAdam ellipse).
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Performance	Up to 101 lm/W.

REGRESSED REFLECTOR FINISH

Powder coated black, white, aluminum and optical gold finishes are available.

END CAP FINISH

Powder coated black, white, aluminum and custom finishes are available.
! Please ensure that your end cap finish matches your framework finish selection (see Framework (SFF) spec sheet).
Please note, that AxisTrak™ inserts and decoratives are only available in white or black. SoftZone panels matching colors available. For more information see StencilFlex™ SoftZone spec sheet.

APPROVALS

Certified to cULus standards.

WARRANTY

Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Axis.

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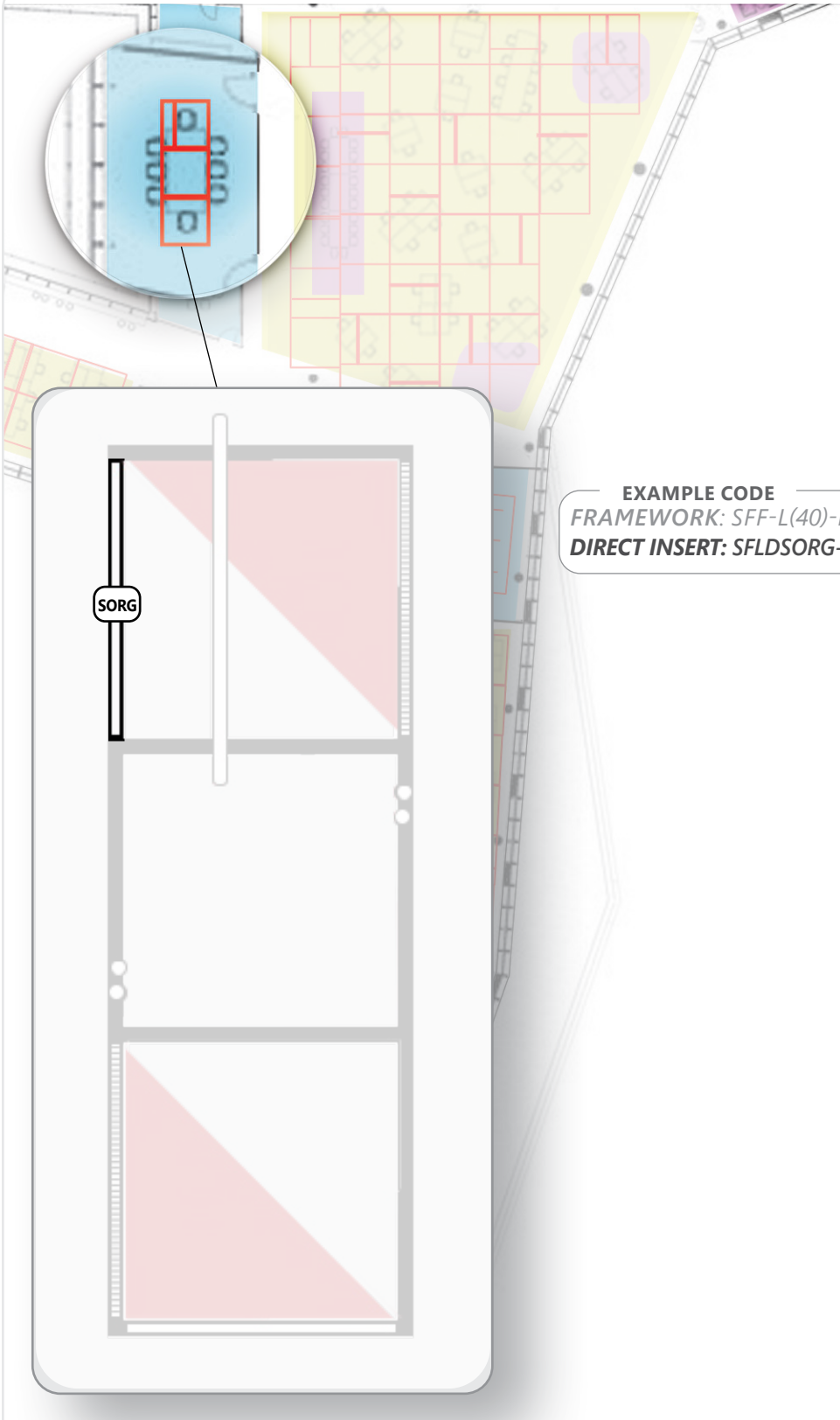
SPECIFICATION EXAMPLE



Follow ordering guide to specify

EXAMPLE CODE

FRAMEWORK: SFF-L(40)-L90(4)+T90(4)-BLK-120-MD-1-CA(36)-RC

***DIRECT INSERT:** SFLDSORG-4-400-80-35-120-MD-BLK*

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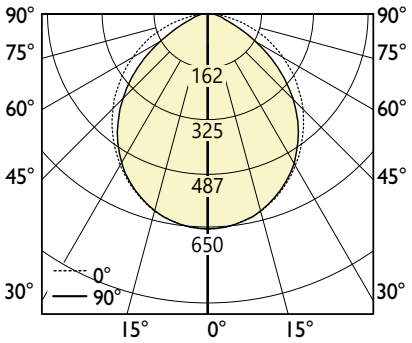
● PHOTOMETRIC DATA - DIRECT

Spotless Lens
400 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	650	650	650	650	650
5	646	646	646	646	646
15	617	617	617	617	617
25	564	563	562	560	559
35	491	490	486	479	475
45	406	404	393	374	364
55	312	309	284	249	233
65	213	206	162	119	106
75	112	98	54	45	45
85	26	18	16	15	15
90	1	1	1	1	1

ZONAL LUMENS

	Lumens
Zone	
0	
0-10	61
10-20	174
20-30	259
30-40	303
40-50	300
50-60	248
60-70	161
70-80	75
80-90	20
90	

LUMINANCE DATA (cd/m²)

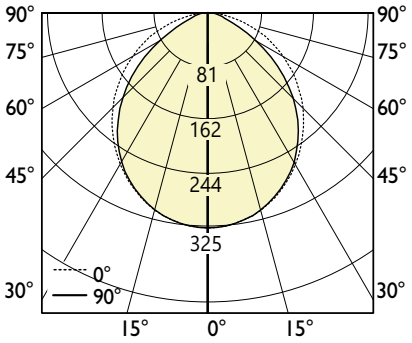
	Horizontal Angles		
Vertical Angle	0	45	90
45	16197	15680	14543
55	15374	13974	11459
65	14235	10821	7086
75	12238	5841	4952
85	8578	5119	4740

Direct Output: 400 lm/ft
Total Lumens: 1600 lm (for 4ft)
Input Watts: 15.03 W
Efficacy: 106 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
IES FILE: STSLR-SO-400-80-35-4.ies
TESTED ACCORDING TO IES LM-79-2008

Spotless Lens
200 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	325	325	325	325	325
5	323	323	323	323	323
15	309	309	309	308	308
25	282	282	281	280	280
35	245	245	243	240	237
45	203	202	196	187	182
55	156	154	142	124	116
65	107	103	81	59	53
75	56	49	27	23	23
85	13	9	8	7	7
90	1	1	1	1	1

ZONAL LUMENS

	Lumens
Zone	
0	
0-10	31
10-20	87
20-30	129
30-40	151
40-50	150
50-60	124
60-70	80
70-80	37
80-90	10
90	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	8098	7840	7272
55	7687	6987	5729
65	7117	5410	3543
75	6119	2920	2476
85	4289	2560	2370

Direct Output: 200 lm/ft
Total Lumens: 800 lm (for 4ft)
Input Watts: 7.5 W
Efficacy: 107 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
IES FILE: STSLR-SO-200-80-35-4.ies
TESTED ACCORDING TO IES LM-79-2008

ℹ All IES files are available for download at: www.axislighting.com

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