

Project _____

Type _____

Notes _____



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

Ordering Guide

SFLD SOFL		MODULE LENGTH	TOTAL LUMENS/FT	CRI	COLOR TEMP.	VOLTAGE
PRODUCT ID						
SFLD SOFL StencilFlex™ Direct Linear Insert SO Flush Lens	3	3'	200	80	27	120
	4	4'	300	90	30	277
	5	5'	400		35	UNV
	6	6'			40	
	7	7'				
	7.5	7.5'				
	8	8'				

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

● CONSTRUCTION

Housing	Extruded aluminum (0.070" nominal)
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 sensor / control module dimming standard.

i 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.

● APPROVALS

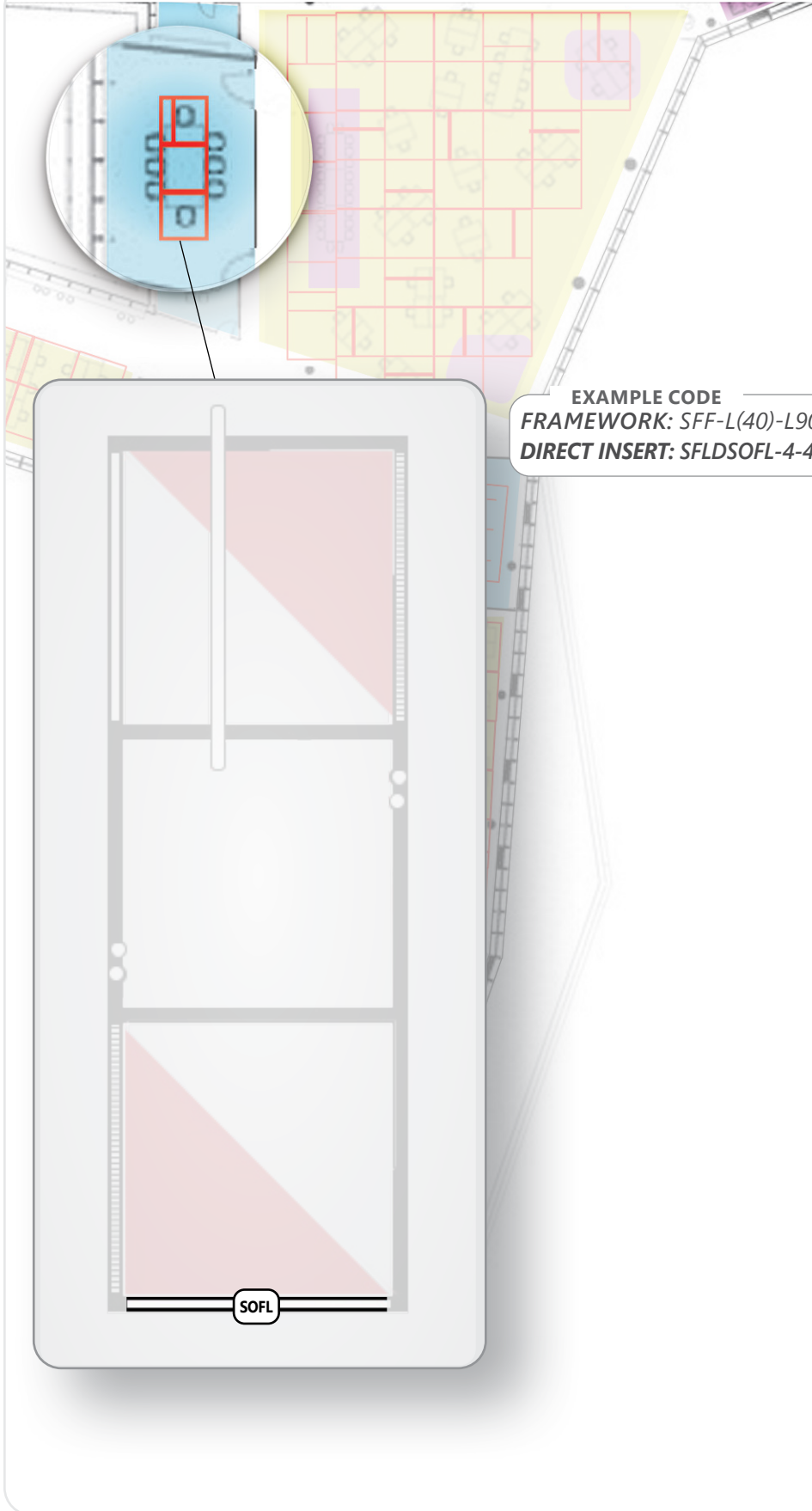
Certified to cULus standards.



● 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.

SPECIFICATION EXAMPLE



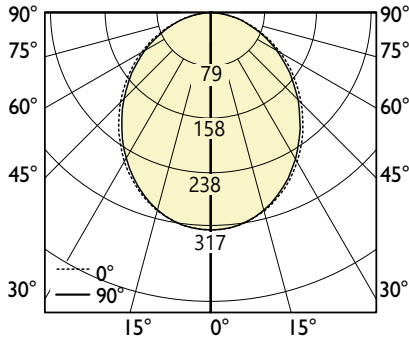
Follow ordering guide to specify

EXAMPLE CODE
FRAMEWORK: SFF-L(40)-L90(4)+T90(4)-BLK-120-MD-1-CA(36)-RC
DIRECT INSERT: SFLDSOFL-4-400-80-35-120-MD-BLK

● PHOTOMETRIC DATA

Spotless Lens 200 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	317	317	317	317	317
5	315	315	315	315	315
15	299	299	299	298	298
25	270	270	268	267	266
35	231	231	228	226	225
45	187	186	183	180	179
55	140	140	137	134	133
65	94	94	92	90	89
75	48	49	49	48	47
85	12	12	12	11	11
90					

ZONAL LUMENS

Zone	Lumens
0	
0-10	30
10-20	84
20-30	123
30-40	143
40-50	141
50-60	123
60-70	91
70-80	51
80-90	14
90	

LUMINANCE DATA (cd/m²)

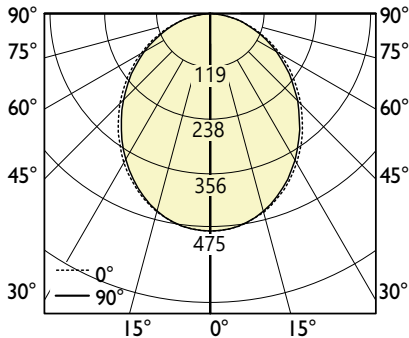
Vertical Angle	Horizontal Angles		
	0	45	90
45	7985	7851	7675
55	7389	7239	7033
65	6701	6567	6363
75	5668	5694	5514
85	4079	4203	3874

Direct Output: 200 lm/ft
Total Lumens: 800 lm (for 4ft)
Input Watts: 9.1 W
Efficacy: 88 lm/W

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

Spotless Lens 300 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	475	475	475	475	475
5	472	472	472	472	472
15	449	449	448	447	447
25	405	405	403	400	399
35	346	346	342	338	337
45	280	280	275	271	269
55	210	210	206	202	200
65	140	140	138	135	133
75	73	74	73	72	71
85	18	18	18	17	17
90					

ZONAL LUMENS

Zone	Lumens
0	
0-10	45
10-20	126
20-30	185
30-40	214
40-50	212
50-60	184
60-70	136
70-80	77
80-90	21
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	11978	11776	11513
55	11084	10859	10550
65	10051	9851	9544
75	8502	8542	8271
85	6118	6304	5810

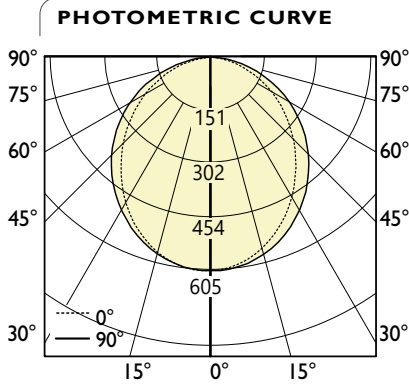
Direct Output: 300 lm/ft
Total Lumens: 1200 lm (for 4ft)
Input Watts: 12.6 W
Efficacy: 95 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
 IES FILE: STSLF-SO-300-80-35-4.IES
 TESTED ACCORDING TO IES LM-79-2008

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

● PHOTOMETRIC DATA

Spotless Lens 400 lm/ft



CANDELA DISTRIBUTION					
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	633	633	633	633	633
5	630	629	630	630	630
15	598	598	598	597	596
25	540	540	537	533	532
35	462	461	456	451	449
45	373	373	367	361	359
55	280	280	275	269	267
65	187	187	183	179	178
75	97	98	97	95	94
85	24	25	24	23	22
90					

ZONAL LUMENS	
Zone	Lumens
0	60
0-10	168
10-20	247
20-30	285
30-40	283
40-50	245
50-60	181
60-70	103
70-80	28
80-90	28
90	

LUMINANCE DATA (cd/m ²)			
Vertical Angle	Horizontal Angles		
	0	45	90
45	15971	15701	15351
55	14778	14479	14067
65	13401	13134	12725
75	11335	11389	11028
85	8157	8405	7747

Direct Output: 400 lm/ft
Total Lumens: 1600 lm (for 4ft)
Input Watts: 16.3 W
Efficacy: 98 lm/W

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

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