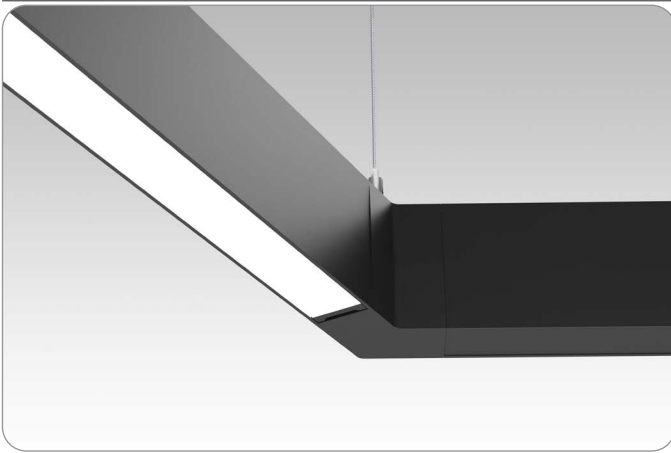
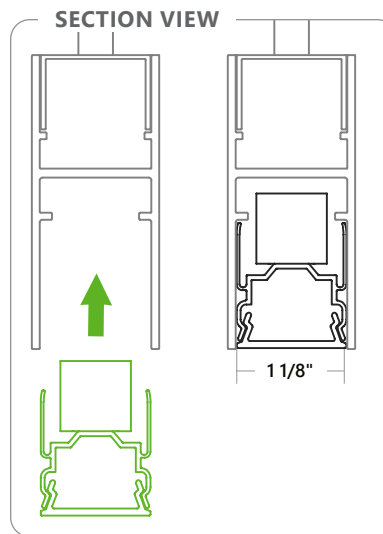




Please specify location of inserts on system configuration drawing within the framework



Project _____
Type _____
Notes _____



Ordering Guide

SFLDSOFL		MODULE LENGTH		TOTAL LUMENS/FT		CRI		COLOR TEMP.		VOLTAGE	
PRODUCT ID											
SFLDSOFL	StencilFlex® Direct Linear Insert SO Flush 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		
		6	6'					40	4000 K		
		7	7'								
		7.5	7.5'								
		8	8'								

CONTROLS	END CAP FINISH	EMERGENCY (OPT.)
DP integral driver 0-10V dimming (1%) - wired* DALIDT6 integral driver DALI 2.0 Type 6 - wired EP(#) integral driver for Empower wireless with integral sensor / control module**	BLK black AP aluminum paint W white C(#) custom*	E(1) emergency section
* 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 .	

STENCILFLEX® LINEAR INSERTS EFFICACY

*Tested at 4ft, 3500K, 80 CRI using 120V with a +/- 10% tolerance. See CRI and CCT conversion table below.

FLUSH SO	3FT			4FT			5FT			6FT			7FT			7.5FT			8FT		
	Lumens	Watts	Efficacy	Lumens	Watts	Efficacy	Lumens	Watts	Efficacy	Lumens	Watts	Efficacy	Lumens	Watts	Efficacy	Lumens	Watts	Efficacy	Lumens	Watts	Efficacy
200 lm/ft	600	6.4	94	800	8.1	99	1000	9.8	102	1200	11.6	103	1400	13.4	104	1500	14.4	104	1600	15.3	105
300 lm/ft	900	8.4	107	1200	10.8	111	1500	13.3	113	1800	15.9	113	2100	18.5	114	2250	19.9	113	2400	21.2	113
400 lm/ft	1200	11.3	106	1600	14.9	107	2000	18.5	108	2400	22.3	108	2800	26	108	3000	28	107	3200	30	107

Lumen Conversion Table				
CRI	Color Temperature			
	2700K	3000K	3500K	4000K
80 CRI	0.94	0.98	1	1.04
90 CRI	0.83	0.87	0.87	0.88

● CONSTRUCTION

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

● ELECTRICAL (INSERT WIRING)

Connection (IMW)	Patented integral modular wiring connection. One connection per insert. (see drawing) Designed to work with StencilFlex® framework wired for IMW (0-10V).
Connection (IMWD)	Patented integral modular wiring connection. One connection per insert. (see drawing) Designed to work with StencilFlex® framework wired for IMWD (DALI 2.0 DT6).
Connection (IMWEP)	Patented 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 (E)	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
DP driver	StencilFlex® insert includes an Axis integral DP driver. 0-10V 1% dimming standard.
DALIDT6 driver	StencilFlex® insert includes an Axis integral DALI driver. DALI Type 6 standard. DALI 2.0 D4i certified driver.
Empower driver and sensor / control module (EP)	StencilFlex® insert includes an Axis integral 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,1,D4I)	Lutron Vive with D4i DALI Driver without sensor
EP(L,PWC,2,D4I)	Lutron Vive with D4i DALI Driver with sensor
EP(L,WC,3,D4I)	Lutron Athena RF node with D4i DALI Driver
EP(L,PWC,4,D4I)	Lutron Athena with D4i DALI Driver, with sensor
EP(E,PWC,2,D4I)	Enlighted SU-5E-CL with D4i DALI Driver
EP(E,PWC,3,D4I)	Enlighted SU-5E-IOT with D4i DALI Driver
EP(O,PWC,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

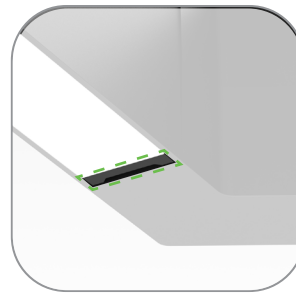
CRI	Minimum 80 or 90 color rendering index
CCT	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse).
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.

● 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](#).



● WEIGHT

Estimated insert weight per linear foot 0.375 lbs/ft

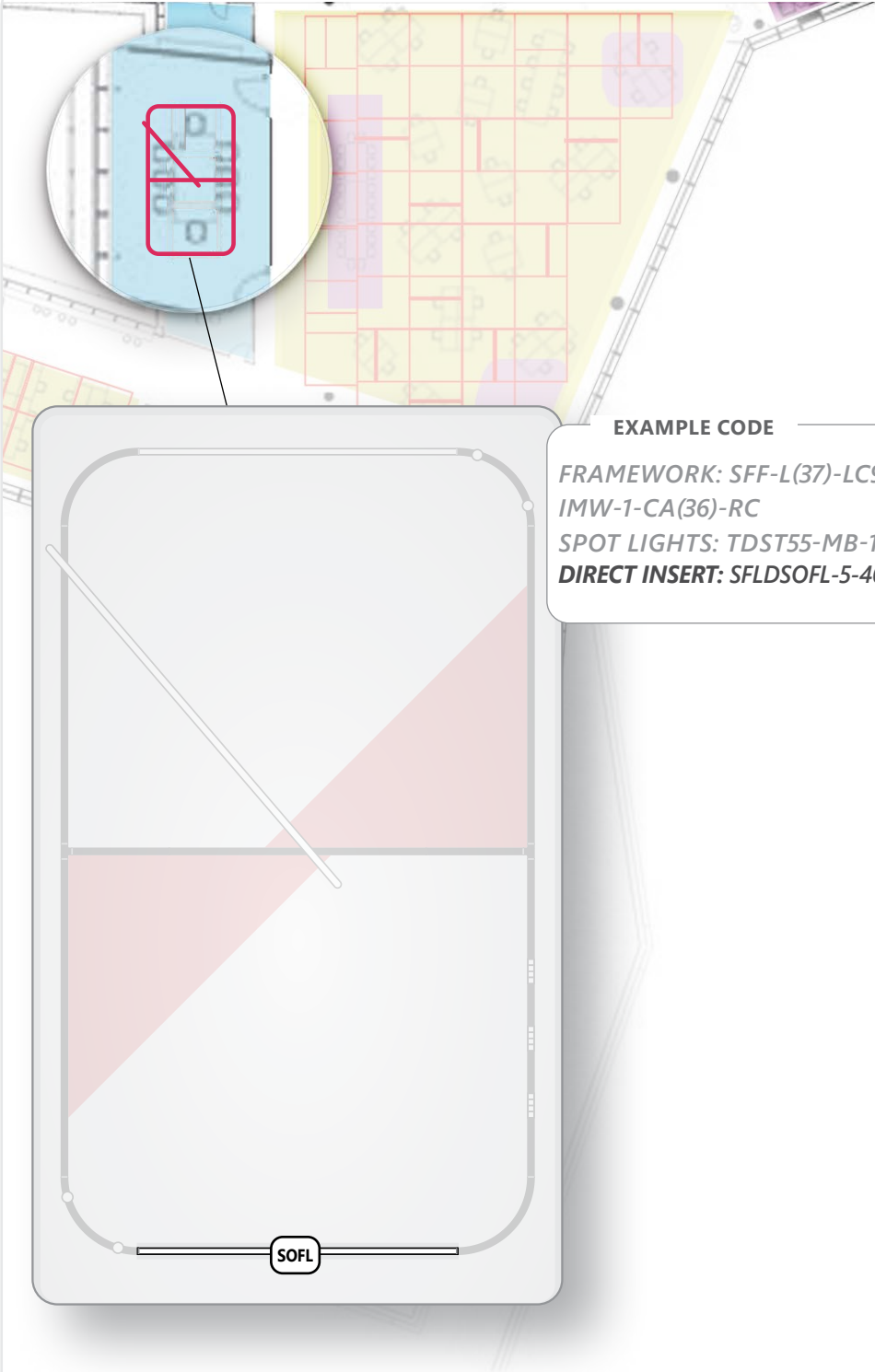
● APPROVALS

Certified to cULus standards. 
Certified under UL1598.

● 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.

SPECIFICATION EXAMPLE



Follow ordering guide to specify

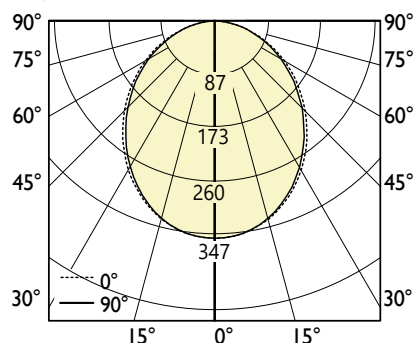
EXAMPLE CODE

FRAMEWORK: *SFF-L(37)-LC90(2)+LC902ST55(2)+T90(2)-BLK-120-IMW-1-CA(36)-RC*
SPOT LIGHTS: *TDST55-MB-1600-90-35-BLK-LC902ST55 (QTY. 4)*
DIRECT INSERT: *SFLDSOFL-5-400-80-35-120-DP-BLK*

● PHOTOMETRIC DATA

Spotless Lens 200 lm/ft

PHOTOMETRIC CURVE



Direct Output: 200 lm/ft
Total Lumens: 876 lm (for 4ft)
Input Watts: 7.7 W
Efficacy: 113 lm/W

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

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	347	347	347	347	347
5	345	345	345	345	345
15	328	328	327	327	327
25	296	296	294	292	291
35	253	253	250	247	246
45	204	204	201	198	196
55	153	153	150	147	146
65	102	103	100	98	97
75	53	54	53	52	52
85	13	13	13	13	12
90	1	1	1	1	1

ZONAL LUMENS

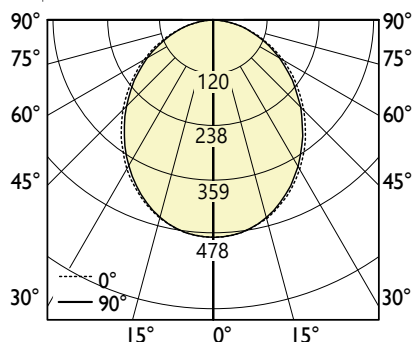
	Lumens
Zone	
0	
0-10	33
10-20	92
20-30	135
30-40	156
40-50	155
50-60	134
60-70	99
70-80	56
80-90	15
90	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	8744	8597	8405
55	8091	7927	7701
65	7337	7191	6967
75	6206	6235	6038
85	4466	4602	4241

Spotless Lens 300 lm/ft

PHOTOMETRIC CURVE



Direct Output: 300 lm/ft
Total Lumens: 1208 lm (for 4ft)
Input Watts: 10.3 W
Efficacy: 118 lm/W

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

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	478	478	478	478	478
5	475	475	475	475	476
15	452	452	451	450	450
25	408	408	405	402	402
35	349	348	344	341	339
45	282	281	277	272	271
55	212	212	207	203	201
65	141	141	139	135	134
75	73	74	74	72	71
85	18	19	18	17	17
90	1	1	1	1	1

ZONAL LUMENS

	Lumens
Zone	
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)

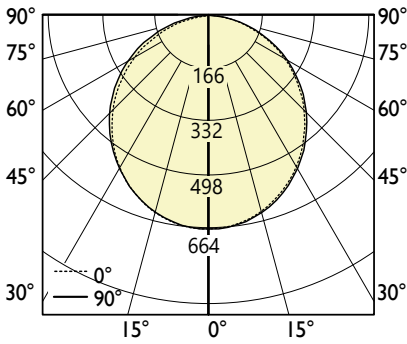
	Horizontal Angles		
Vertical Angle	0	45	90
45	11978	11776	11513
55	11084	10859	10550
65	10051	9851	9544
75	8502	8542	8271
85	6118	6304	5810

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

● PHOTOMETRIC DATA

Spotless Lens
400 lm/ft

PHOTOMETRIC CURVE



Direct Output: 400 lm/ft
Total Lumens: 1676 lm (for 4ft)
Input Watts: 14 W
Efficacy: 120 lm/W

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

CANDELA DISTRIBUTION					
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	664	664	664	664	664
5	660	659	659	660	660
15	627	627	626	625	625
25	566	565	562	558	558
35	484	483	478	472	470
45	391	391	384	378	376
55	293	294	288	282	279
65	196	196	192	188	186
75	102	103	102	100	99
85	25	26	25	24	23
90	1	1	1	1	1

ZONAL LUMENS	
Zone	Lumens
0	
0-10	63
10-20	176
20-30	259
30-40	299
40-50	296
50-60	257
60-70	190
70-80	108
80-90	29
90	

LUMINANCE DATA (cd/m²)			
Vertical Angle	Horizontal Angles		
	0	45	90
45	16730	16447	16080
55	15480	15167	14735
65	14038	13758	13330
75	11874	11930	11551
85	8545	8804	8115

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