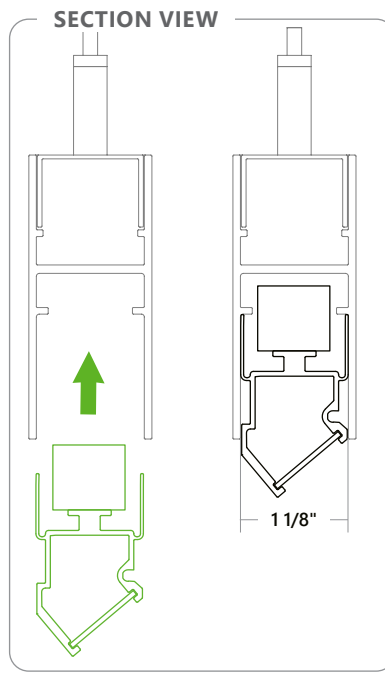




Project _____
Type _____
Notes _____

Architectural SSL Magazine
PIA'22
product innovation award



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

Ordering Guide

SFLDWW		MODULE LENGTH		TOTAL LUMENS/FT		CRI		COLOR TEMP.		VOLTAGE	
PRODUCT ID											
SFLDWW	StencilFlex® Linear Direct Insert Wall Wash	3	3'	350	350 lm/ft	80	80 CRI	27	2700 K	120	120 V
		4	4'	500	500 lm/ft	90	90 CRI	30	3000 K	277	277 V
		5	5'	600	600 lm/ft			35	3500 K		
		6	6'	800	800 lm/ft			40	4000 K		
		7	7'	1000	1000 lm/ft						
		7.5	7.5'								
		8	8'								

! Please refer to the efficacy table below for Lumen capabilities based on color finish and length.

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

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

! Please ensure that your insert finish matches your framework finish selection (see Framework (SFE) 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.

Wall Wash White	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
350 lm/ft	1050	10.8	71	1400	14.2	99	1750	17.6	99	2100	21	100	2450	24.3	101	2625	26	101	2800	27.7	101
500 lm/ft	1500	15.5	97	2000	20.4	98	2500	25.3	99	3000	30.2	99	3500	35.1	100	3750	37.6	100	4000	40.1	100
600 lm/ft	1800	18.7	96	2400	24.6	98	3000	30.5	98	3600	36.5	99	4200	42.7	98	not available	not available	not available	not available	not available	not available
800 lm/ft	2400	25.2	95	3200	33.4	96	4000	41.7	96	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available
1000 lm/ft	3000	32.1	93	4000	42.7	94	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available
Wall Wash Black	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
350 lm/ft	1050	15.5	68	1400	20.5	68	1750	25.4	69	2100	30.3	69	2450	35.3	69	2625	37.8	69	2800	40.3	69
500 lm/ft	1500	22.4	67	2000	29.5	68	2500	36.8	68	3000	44.2	68	not available	not available	not available	not available	not available	not available	not available	not available	not available
600 lm/ft	1800	27	67	2400	35.8	67	3000	44.8	67	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available
800 lm/ft	2400	36.8	65	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available
1000 lm/ft	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available	not available

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

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.

● CONSTRUCTION

Housing	Extruded aluminum (0.070" nominal)
End Cap	Painted die-cast aluminum
Reflectors	Extruded acrylic

● 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

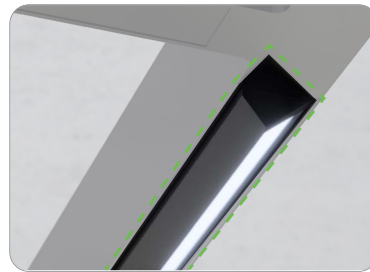
CRI	Minimum 80 or 90 color rendering index
CCT	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse).
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.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

● INSERT FINISH

Powder coated black, white, aluminum and custom finishes are available.

! Please ensure that your insert 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 0.6lbs/ft = 0.27kg/ft

● APPROVALS

Certified to cULus standards.  Certified under UL1598.

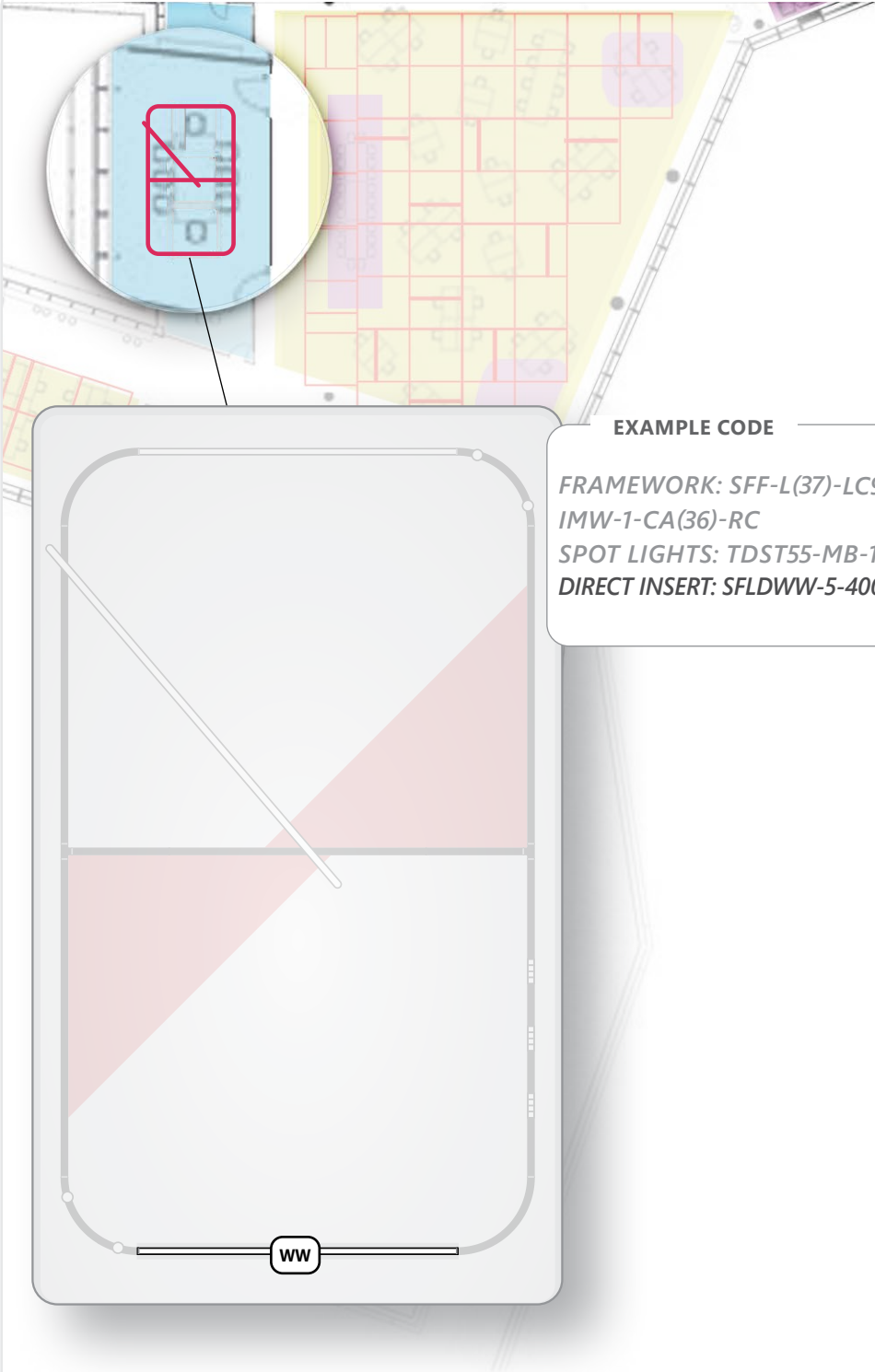
● WARRANTY

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.

● LOCATION

For best effect it is recommended to place luminaire at a 3 ft distance from the wall.

SPECIFICATION EXAMPLE



Follow ordering guide to specify

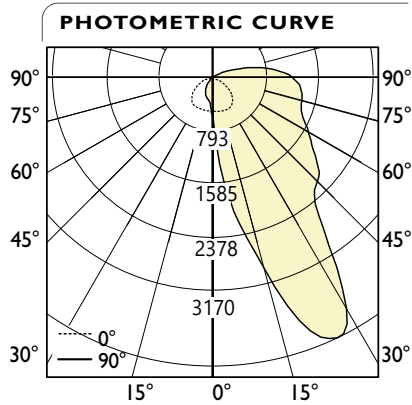
EXAMPLE CODE

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: *SFLDWW-5-400-80-35-120-DP-BLK*

● PHOTOMETRIC DATA

White finish

1000 lm/ft



Total Lumens: 4137 lm (for 4ft)
Input Watts: 40.3 W
Efficacy: 103 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
 IES FILE: SFLDWW-4-1000-80-35.IES
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	474	474	474	474	474
5	457	574	827	975	1021
15	469	1012	1641	2032	2183
25	482	1359	2464	3052	3170
35	478	1617	2701	2453	2196
45	423	1642	1906	1574	1623
55	337	1231	1197	1320	1337
65	218	702	904	1073	1099
75	135	387	705	948	1011
85	45	235	499	833	947
90	3	179	396	721	864
95	2	123	299	578	738
105	2	11	113	289	387
115	3	1	7	65	115
125	4	2	1	1	2
135	4	2	1	1	1
145	3	2	1	1	1
155	2	1	1	1	1
165	1	1	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	59
10-20	259
20-30	547
30-40	692
40-50	647
50-60	544
60-70	430
70-80	353
80-90	283
90	
90-100	187
100-110	86
110-120	23
120-130	5
130-140	3
140-150	2
150-160	1
160-170	0
170-180	0
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	24479	110424	94045
55	24070	85522	95493
65	21129	87660	106579
75	21340	111634	159943
85	20941	234559	445121

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