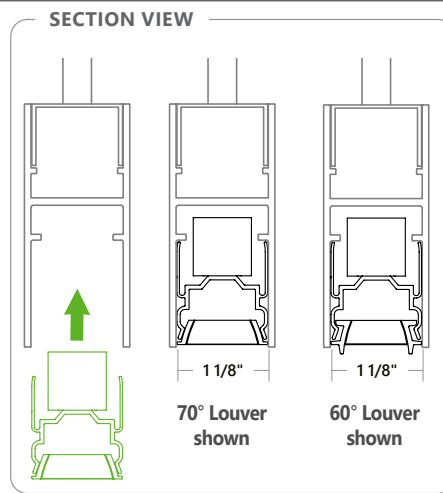
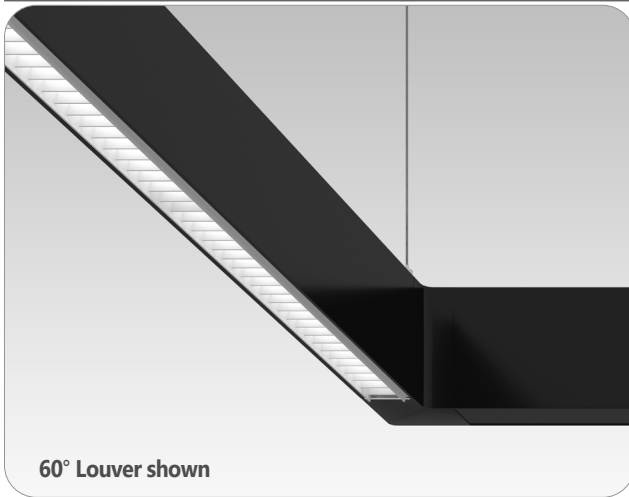




Project _____

Type _____

Notes _____



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

Ordering Guide

SFLDLV						
PRODUCT ID	TOTAL LENGTH	TOTAL LUMENS/FT	CRI	COLOR TEMP.	VOLTAGE	CONTROLS
SFLDLV StencilFlex® Direct Linear Insert Louver	3 3' 4 4' 5 5' 6 6' 7 7' 7.5 7.5' 8 8'	200 200 lm/ft 300 300 lm/ft 450 450 lm/ft 600 600 lm/ft	80 80 CRI 90 90 CRI	27 2700 K 30 3000 K 35 3500 K 40 4000 K	120 120 V 277 277 V	DP integral driver 0-10V dimming (1%) - wired DALI26 integral driver DALI 2.0 Type 6 - wired EP(#) integral driver for Empower wireless with integral sensor / control module**
	See performance table below for compatible lumen outputs.					* Available with multicircuit wiring. * See page 3 for supported platforms.

LOUVER FINISH	END CAP FINISH	LOUVER ANGLE	EMERGENCY (OPT.)
BLK black GR gray	BLK black AP aluminum paint W white C(#) custom*	60 60 degrees 70 70 degrees	E(1) emergency section
	! 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.

LOUVER 70D GRAY	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 7.8 77	800 10 80	1000 12.4 81	1200 14.7 82	1400 17.1 82	1500 18.3 82	1600 19.5 82
300 lm/ft	900 10.7 84	1200 14 86	1500 17.5 86	1800 21 86	2100 24.6 85	2250 26.3 86	2400 28.1 85
450 lm/ft	1350 15.9 85	1800 21.2 85	2250 26.6 85	2700 32.3 84	3150 38.3 82	3375 41.5 81	3600 44.7 81
600 lm/ft	1800 21.3 85	2400 28.6 84	3000 36.5 82	3600 45 80	4200 54.5 77	not available	not available
LOUVER 70D BLK	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 9.2 65	800 12.1 66	1000 14.9 67	1200 17.8 67	1400 20.8 67	1500 22.3 67	1600 23.8 67
300 lm/ft	900 13.4 67	1200 17.8 67	1500 22.3 67	1800 26.8 67	2100 31.6 66	2250 34.1 66	2400 36.6 66
450 lm/ft	1350 20.2 67	1800 27.1 66	2250 34.4 65	2700 42.3 64	3150 51 62	3375 55.7 61	not available
600 lm/ft	1800 27 67	not available	not available	not available	not available	not available	not available
LOUVER 60D GRAY	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 9.5 63	800 12.5 64	1000 15.4 65	1200 18.4 65	1400 21.5 65	1500 23.1 65	1600 24.7 65
300 lm/ft	900 14 64	1200 18.6 65	1500 23.4 64	1800 28.1 64	2100 33.2 63	2250 35.8 63	2400 38.5 62
450 lm/ft	1350 21.3 63	1800 28.6 63	2250 36.5 62	2700 45 60	3150 54.5 58	not available	not available
600 lm/ft	1800 29.7 61	2400 40.8 59	3000 53.5 56	not available	not available	not available	not available
LOUVER 60D BLK	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 12.5 48	800 17 47	1000 21.2 47	1200 25.6 47	1400 30 47	1500 32.3 46	1600 34.6 46
300 lm/ft	900 20.2 45	1200 27.1 44	1500 34.4 44	1800 42.3 43	2100 51 41	2250 56 40	not available
450 lm/ft	1350 28.8 47	1800 39.5 46	2250 51.7 44	not available	not available	not available	not available
600 lm/ft	1800 39.5 46	2400 56.2 43	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)
Louver	Injection molded polycarbonate
Optical film	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.
DALIT6 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.

● LIGHT GUIDE

High precision light guide made of PMMA material, allows distribution of controlled light in all 3-dimensions to put light on both vertical and horizontal planes within the space. Patented light guide design featuring molecular optics and precision-coupled optic components yield a high efficiency luminaire. In-plane mixing maximizes color uniformity while light emitting area is uniform and diffuse without 'head lighting' from the LED's.

● LED SYSTEM

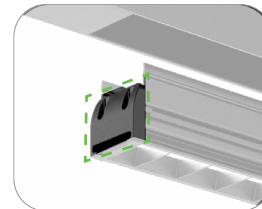
CRI	Minimum 80 or 90 color rendering index
CCT	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse).
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
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](#).



● MICRO LOUVER OPTIONS

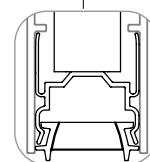


Black narrow micro louver shown - 60° flush.

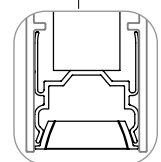
Grey narrow micro louver shown - 60° flush.

Black wide micro louver shown - 70° regressed.

Grey wide micro louver shown - 70° regressed.



60° Louver shown



70° Louver shown

● WEIGHT

Estimated insert weight per linear foot 0.4 lbs/ft

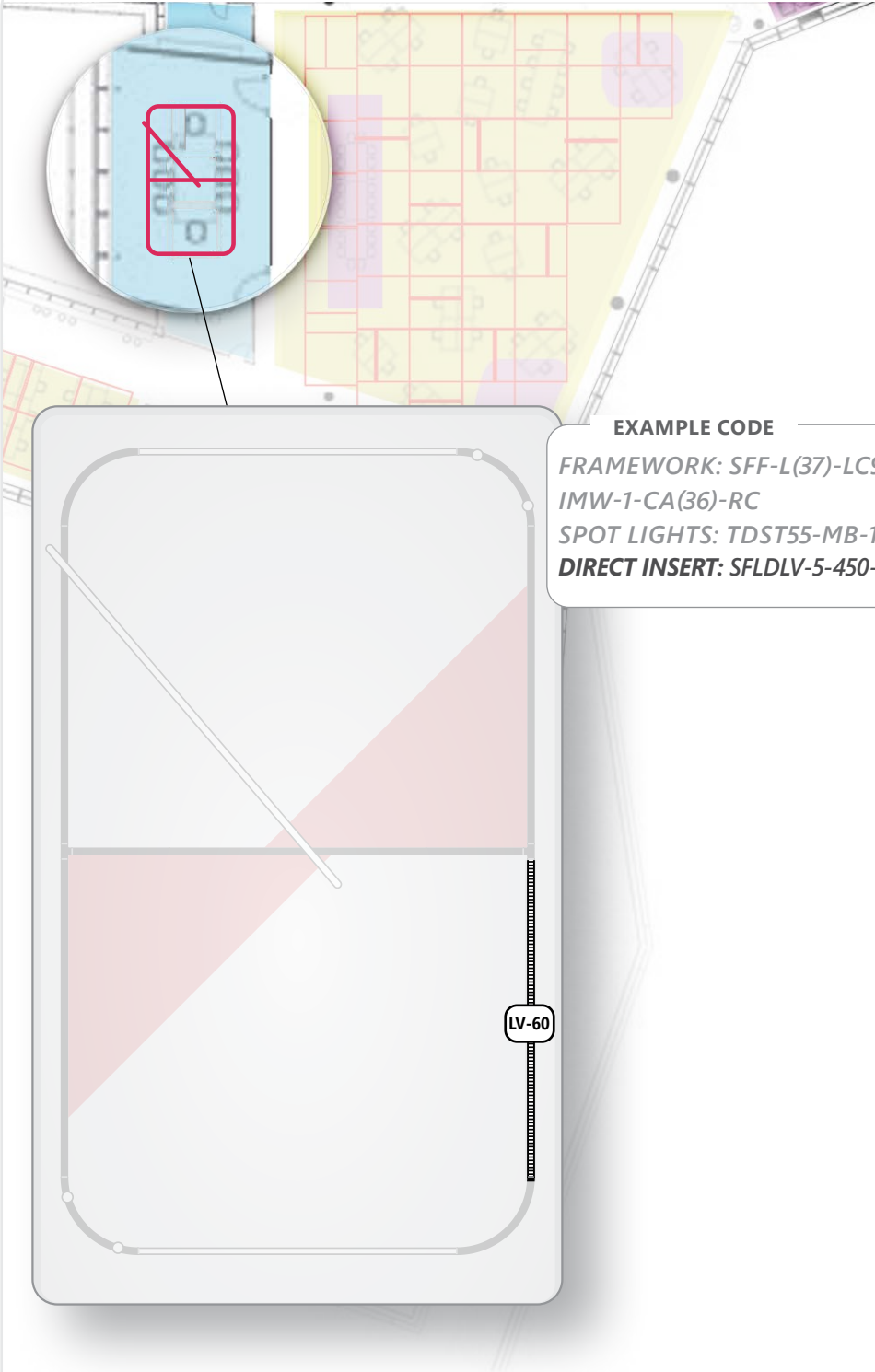
● APPROVALS

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

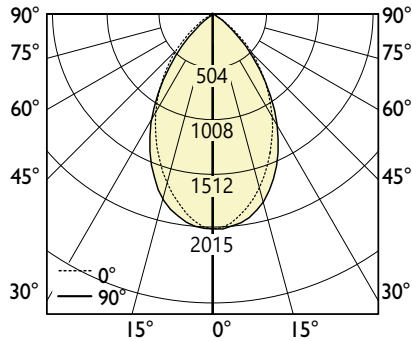
EXAMPLE CODE

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: *SFLDLV-5-450-80-35-120-DP-BLK-60*

● PHOTOMETRIC DATA

Micro Louver Narrow Black 600 lm/ft

PHOTOMETRIC CURVE



Direct Output: 600 lm/ft
Total Lumens: 2312 lm (for 4ft)
Input Watts: 46.9 W
Efficacy: 49 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
 IES FILE: SFLDLV-4-600-80-35-BLK-60.ies
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2015	2015	2015	2015	2015
5	1970	1974	1980	1992	1994
15	1689	1699	1742	1797	1820
25	1313	1324	1349	1389	1434
35	913	916	899	897	932
45	513	508	469	422	431
55	137	155	145	109	100
65	15	11	7	2	2
75	2	1	1	1	1
85	1	1	1	1	1
90	1	1	1	1	1

ZONAL LUMENS

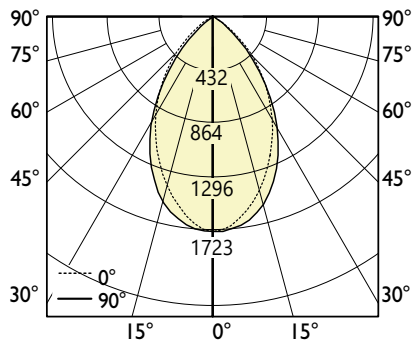
Zone	Lumens
0	185
0-10	483
10-20	612
20-30	553
30-40	350
40-50	117
50-60	9
60-70	1
70-80	1
80-90	1
90	1

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	29701	27185	24947
55	9763	10321	7147
65	1425	718	159
75	277	156	142
85	518	396	336

Micro Louver Narrow Grey 600 lm/ft

PHOTOMETRIC CURVE



Direct Output: 600 lm/ft
Total Lumens: 2420 lm (for 4ft)
Input Watts: 35.7 W
Efficacy: 68 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
 IES FILE: SFLDLV-4-600-80-35-GR-60.ies
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1729	1729	1729	1729	1729
5	1692	1696	1704	1715	1717
15	1478	1484	1519	1563	1584
25	1191	1203	1217	1247	1287
35	876	881	869	863	894
45	558	556	524	482	489
55	245	259	241	205	198
65	106	102	92	79	76
75	51	50	44	41	41
85	13	13	14	13	13
90	1	2	1	1	1

ZONAL LUMENS

Zone	Lumens
0	160
0-10	423
10-20	554
20-30	534
30-40	392
40-50	206
50-60	91
60-70	47
70-80	14
80-90	14
90	14

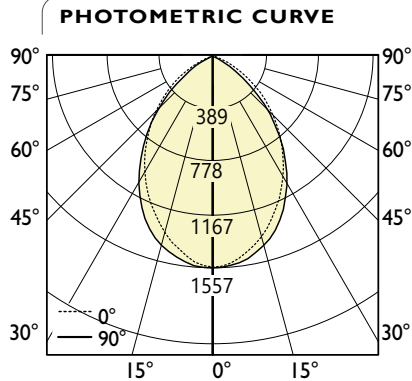
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	32310	30347	28321
55	17465	17230	14136
65	10260	8893	7401
75	8041	7003	6420
85	6195	6379	6094

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

● PHOTOMETRIC DATA

Micro Louver Wide Black 600 lm/ft



Direct Output: 600 lm/ft
Total Lumens: 2465 lm (for 4ft)
Input Watts: 32.7 W
Efficacy: 75 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
 IES FILE: SFLDLV-4-600-80-35-BLK-70.ies
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1557	1557	1557	1557	1557
5	1533	1533	1541	1545	1544
15	1382	1385	1407	1438	1446
25	1158	1167	1191	1217	1242
35	904	907	906	912	943
45	636	633	603	582	603
55	372	356	316	273	276
65	124	118	90	60	53
75	6	4	2	2	2
85	2	1	1	1	1
90	1	1	1	1	1

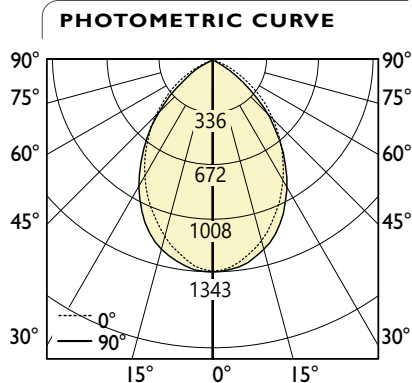
ZONAL LUMENS

Zone	Lumens
0	
0-10	145
10-20	393
20-30	541
30-40	559
40-50	458
50-60	276
60-70	88
70-80	5
80-90	1
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	36841	34945	34945
55	26604	22563	19686
65	11986	8772	5140
75	917	353	272
85	717	492	425

Micro Louver Wide Grey 600 lm/ft



Direct Output: 600 lm/ft
Total Lumens: 2402 lm (for 4ft)
Input Watts: 25.87 W
Efficacy: 93 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
 IES FILE: SFLDLV-4-600-80-35-GR-70.ies
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1343	1343	1343	1343	1343
5	1328	1324	1327	1330	1330
15	1205	1204	1218	1231	1240
25	1029	1029	1039	1048	1064
35	827	819	806	799	814
45	611	596	559	529	532
55	392	371	323	276	269
65	179	166	132	100	89
75	52	49	42	38	35
85	14	13	11	9	8
90	1	1	1	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	125
10-20	343
20-30	479
30-40	510
40-50	441
50-60	300
60-70	141
70-80	49
80-90	14
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	35413	32387	30844
55	27995	23059	19211
65	17399	12749	8674
75	8183	6665	5578
85	6758	5255	3992

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