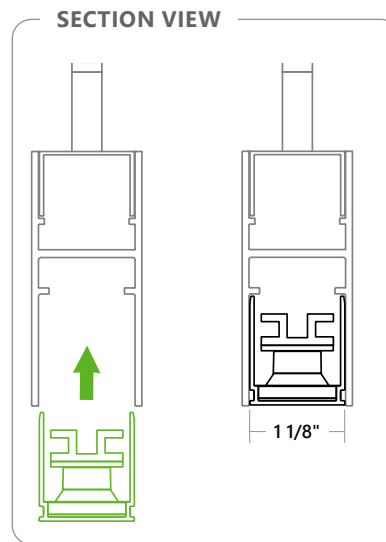
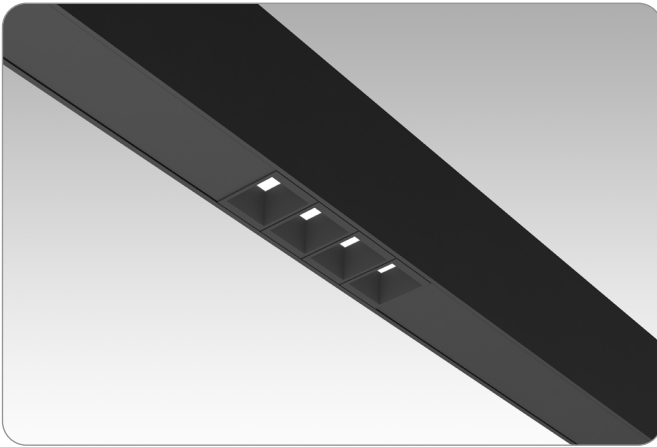
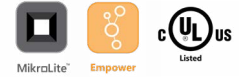


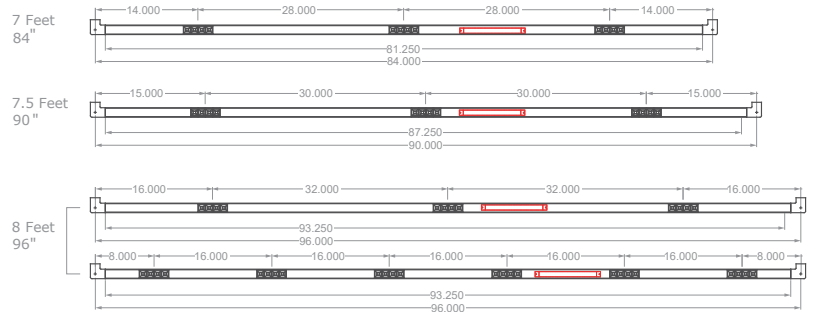
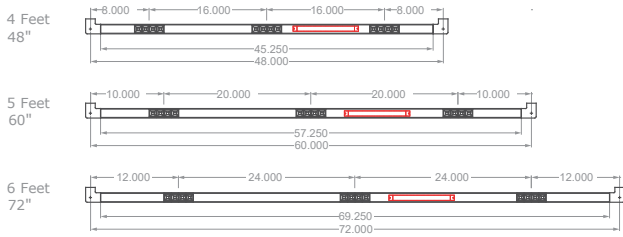


Project _____
Type _____
Notes _____



Please specify location of inserts on system configuration drawing

1 module contains 4 MikroLites



Ordering Guide

SFLDMKL	PRODUCT ID	TOTAL LENGTH	MODULE QTY	TOTAL LUMENS	CRI	COLOR TEMP.	VOLTAGE	CONTROLS
SFLDMKL	StencilFlex® Direct MikroLite™ Insert	4 4'	3 3x 4-cell modules	500 500 lm/module	80 80 CRI	27 2700 K	120 120 V	DP integral driver 0-10V dimming (1%) - wired*
		5 5'	6 6x 4-cell modules*		90 90 CRI	30 3000 K	277 277 V	DALIT6 integral driver DALI 2.0 Type 6 - wired
		6 6'				35 3500 K		EP(#) integral driver for Empower
		7 7'				40 4000 K		wireless with integral sensor / control module**
		7.5 7.5'						
		8 8'						
			* Only available with 8 foot length insert.					* Available with multicircuit wiring. ** See page 2 for supported platforms.

EXTERIOR FINISH	OPTICAL TRIM FINISH	BEAM ANGLE	EMERGENCY (OPT.)
BLK black	BLK black	20 20 degrees	E(1) emergency section
AP aluminum paint	GR grey	35 35 degrees	
W white			
C(#) custom*			
! Please ensure that your exterior 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.

MIKROLITE BLK	4FT			5FT			6FT			7FT			7.5FT			8FT (3 Modules)			8FT (6 modules)		
*the lumens vary with beam spread and color finish (grey or black)	Total lumens on insert	Watts	Efficacy	Total lumens on insert	Watts	Efficacy	Total lumens on insert	Watts	Efficacy	Total lumens on insert	Watts	Efficacy	Total lumens on insert	Watts	Efficacy	Total lumens on insert	Watts	Efficacy	Total lumens on insert	Watts	Efficacy
500 lm/module average	1500	21	71	1500	21	71	1500	21	71	1500	21	71	1500	21	71	1500	21	71	3000	42	71

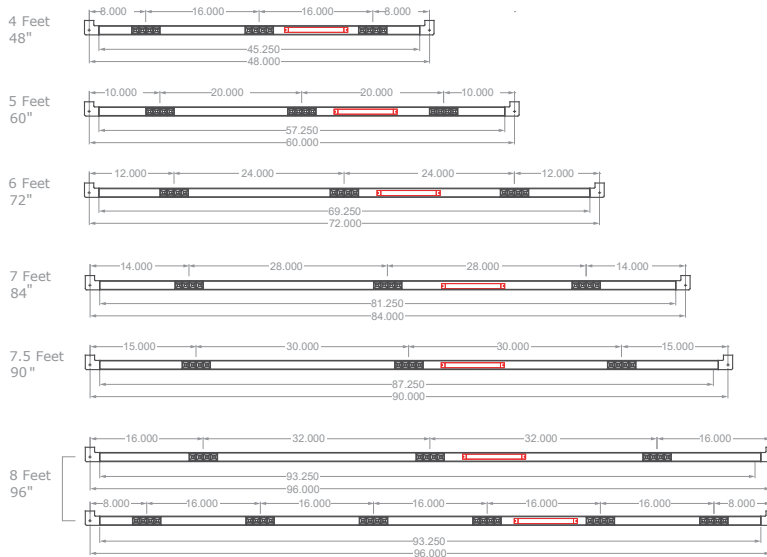
Lumen Conversion Table				
CRI	Color Temperature			
	2700K	3000K	3500K	4000K
80 CRI	0.94	0.98	1	1.04
90 CRI	0.83	0.87	0.87	0.88

CONSTRUCTION

Housing	Extruded aluminum (0.070" nominal)
MikroLite	High density composite Polycarbonate shielding and formed aluminum optical system
MikroLite Heat Sink	Extruded aluminum
Lenses	Extruded acrylic

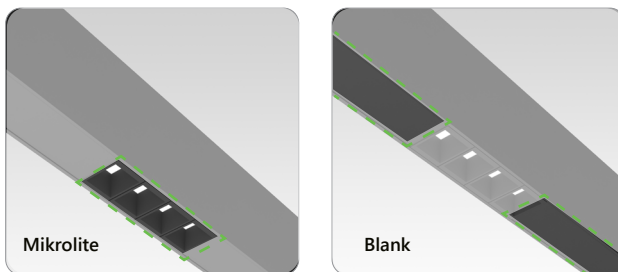
STENCILFLEX® WITH MIKROLITE 1.0

1 module contains 4 Mikrolites



FINISH

Mikrolite cells: Grey or black molded polycarbonate.
 Blanks: Powder coated black, white, aluminum and custom finishes are available.
! Please ensure that your blanks 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 0.38 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.

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.

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.

EMPOWER WIRELESS SYSTEM SELECTION

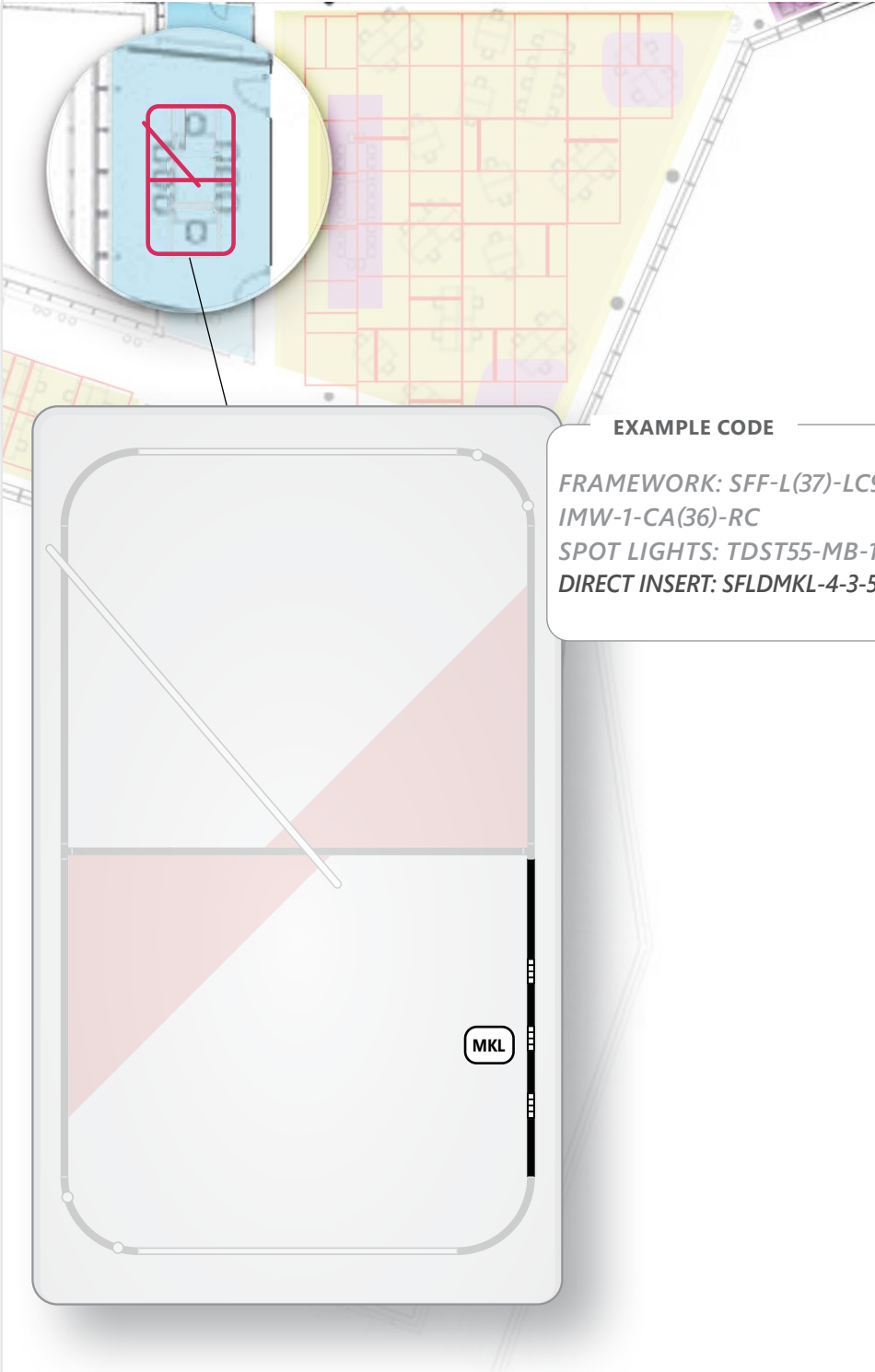
StencilFlex® framework supports Empower wireless control. All of the control elements are included with the inserts. The Integral Modular Wiring (IMW™) provides the power to the Empower devices, adding the freedom of resolution of one control.

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.

SPECIFICATION EXAMPLE



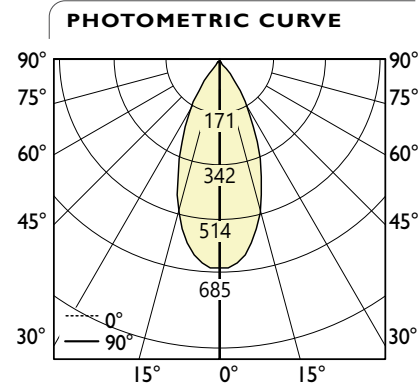
Follow ordering guide to specify

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: SFLDMKL-4-3-500-80-35-120-DP-BLK-BLK-35

● PHOTOMETRIC DATA - MikroLite 1.0

MikroLite - 35° beam



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	685	685	685	685	685
5	664	665	666	667	666
15	514	517	522	521	520
25	292	297	305	301	296
35	119	132	142	132	117
45	15	27	50	27	14
55	2	3	4	3	3
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	62
10-20	143
20-30	137
30-40	82
40-50	25
50-60	4
60-70	0
70-80	0
80-90	0
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	10042	34267	9679
55	2064	3662	2476
65	0	23	47
75	0	77	77
85	228	451	451

Total Lumens: 452 lm (for 1 module)

Input Watts: 6.59 W

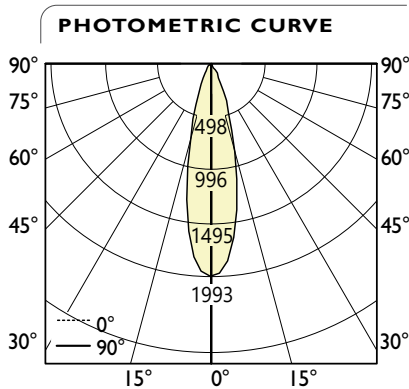
Efficacy: 69 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.

IES FILE: SFLDMKL-1-500-80-35-BLK-35.IES

TESTED ACCORDING TO IES LM-79-2008

MikroLite - 20° beam



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1993	1993	1993	1993	1993
5	1859	1830	1831	1837	1835
15	858	863	861	828	843
25	286	288	294	273	266
35	76	88	102	89	71
45	9	15	32	15	9
55	1	1	3	1	1
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	159
10-20	225
20-30	122
30-40	49
40-50	13
50-60	2
60-70	0
70-80	0
80-90	0
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	192	452	113
55	22	37	14
65	0	1	1
75	0	0	0
85	0	0	0

Total Lumens: 569 lm (for 1 module)

Input Watts: 6.6 W

Efficacy: 86 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.

IES FILE: SFLDMKL-1-500-80-35-BLK-20.IES

TESTED ACCORDING TO IES LM-79-2008

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