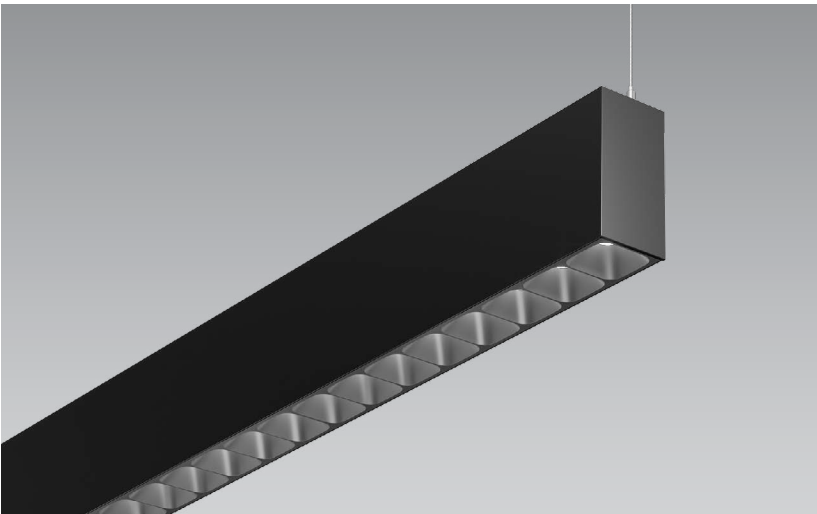




Project _____

Type _____

Notes _____



● **PERFORMANCE PER LINEAR FOOT AT 3500K, 80CRI**

BAFFLE	BEAM ANGLE	FINISH	NOM. LUMEN OUTPUT	INPUT WATTS*	EFFICACY
Conic	SF-D50	White	1000lm/ft	10 W/ft	97 lm/W
Conic	SR-D50	White	1000lm/ft	9.1 W/ft	107 lm/W
Lofted	SF-D50	White	1000lm/ft	9.8 W/ft	99 lm/W
Lofted	SR-D50	White	1000lm/ft	8.7 W/ft	112 lm/W
Classic	SF-D50	White	1000lm/ft	9.1 W/ft	113 lm/W

Please consult factory for other lumen output and wattage.

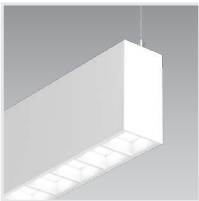
● **BAFFLE OPTIONS**



LF
Lofted baffle



CN
Conical baffle



SQ
Classic Square baffle

FINISHES



MW
matte white



MB
matte black



MS
matte silver



MRG
matte rose gold



CG
chrome gold



CRG
chrome rose gold



CS
chrome silver

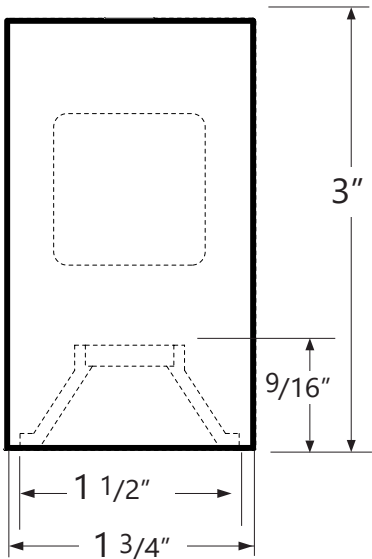


CB
chrome black



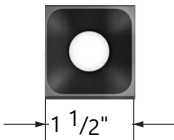
CL
crystal

● **DIMENSIONS**

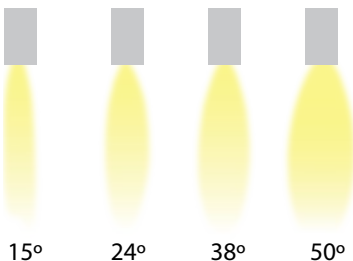


LENGTH INCREMENT

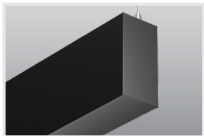
1 cell [1.5" (38mm)] nominal length increments available



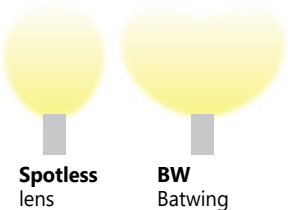
BEAM SPREADS



● **LINEAR OPTICS**



INDIRECT



Spotless
lens

BW
Batwing

Code example: SCDIMLO-S(20')-BW(500)-MKL(FL, LF, SF, D50, 500, MB)-80-35-BLK-UNV-DP-2-CA(36")

SCDMLO-S(20')-MKL(FL, LF, SF, D50, 500, MB)-80-35-BLK-UNV-DP-2-CA(36")

Project _____

Type _____

Notes _____

Ordering Guide

PRODUCT ID		TOTAL LENGTH	INDIRECT - NOMINAL LUMENS/FT Skip this selection for direct only SCDMLO.			
SCDIMLO	Sculpt pendant direct/indirect with MikroLite only	# 1 ft - 12 ft continuous length (1.5" nominal increments)	SOU (lumen)	spotless lens up	300	300 lm/ft - Min
SCDMLO	Sculpt pendant direct with MikroLite only	S(L) System Run	BW(lumen)	batwing lens	750	750 lm/ft - Max
SCULPT accommodates any length.			Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Min length for indirect 2ft.			

MikroLite - MKL(Length, Baffle Type, Cell Optics, Beam Angle, Lumen, Baffle Finish)

LENGTH	BAFFLE TYPE	CELL OPTICS	BEAM ANGLE	LUMEN OUTPUT	BAFFLE FINISH
FL full length - combination of 1, 2, and 8 cell modules (1 cell - 1.5" nominal increments)	LF lofted baffle CN conical baffle SQ classic squared baffle*	SF soft beam ¹ SR sharp beam ² **	D15 15 deg ** D24 24 deg ** D38 38 deg D50 50 deg	200 200 lm/ft min 1000 1000 lm/ft max Any lumen output available within range +/- 5%	MB matte black MW matte white MS matte silver ** MRG matte rose gold ** CG chrome gold ** CB chrome black ** CRG chrome rose gold ** CS chrome silver ** CL crystal **

1ft - 8 cell Module

See more details on page 4.

* 1 cell increments not available, min 2 cells - 3" nominal increments

** Not available with SQ Classic Squared Baffle

CRI	COLOR TEMP.	FINISH	VOLTAGE	DRIVER
80 80 CRI 90 90 CRI	27 2700 K 30 3000 K 35 3500 K 40 4000 K	AP aluminum paint W white BLK black C custom	120 120 V 277 277 V 347 347 V* UNV universal DC low voltage**	DP dimming (0-10V) 1% LT lutron* BI bi-level dimming* O(#) other* ** POE(#) POE drivers* ***
			Applies to both UP & DOWN. * For 1 ft remote driver only. ** Only available with POE drivers.	Applies to both UP & DOWN. *For 1ft remote only **Please consult factory; see page 3 ***See page 3 to specify system

CIRCUITS	MOUNTING/SUSPENSION	BATTERY (OPT.)	IC CONTROLS (OPT.)	CUSTOM (OPT.)
1 1 circuit* 2 2 circuits** +E(#) emergency section*** +NL(#) night light section*** +GTD(#) generator transfer device***	CA(#) drywall+cable length (36" std.) CT9(#) TB/TG 9/16+cable length (36" std.) CT15(#) TB/TG15/16+cable length (36" std.) CTS(#) screw slot+cable length (36" std.) SA(#) drywall+stem length <48" (18" std.)* CASL(#) drywall cable sloped ceiling SASL(#) drywall stem sloped ceiling* +SM seismic kit	B(#) battery pack	DS(#) daylight sensor OS(#) occupancy sensor DOS(#) daylight & occupancy sensor WC(#) wireless control dimming	C custom
Minimum 3 ft length. *Control UP & DOWN lights together **Control UP & DOWN lights separately. ***Specify quantity.	See Mounting kit guide for full specification code. Specify length *For stem option, please consult factory.	5' minimum. For lengths under 5' battery pack is remote only. Not available with 347V Please consult factory	Applies to both UP & DOWN. 2ft minimum. Specify quantity. Requires 7" blank. See integrated controls guide for more details.	Please specify

● CONSTRUCTION

Housing	Extruded aluminum (0.080" nominal) up to
End Cap	Die cast aluminum
Interior Brackets	Die formed sheet steel (20 gauge)
Reflectors	White powder coated sheet steel (22 gauge)
Lenses	Extruded acrylic (0.060" nominal) - injection moulded
MikroLite	High density composite Polycarbonate shielding and formed aluminum optical system
Mixing Lenses	Acrylic
MikroLite Heat Sink	Extruded aluminum

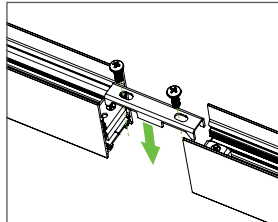
● SYSTEM (S#)

SCULPT linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Runs of SCULPT that are greater than 12' in length are designated as systems (S#). This means that the run is comprised of a combination of sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the Sculpt installation sheets available at: www.axislighting.com under 'Downloads' tab.

● JOINERS

In order to allow very long runs of SCULPT luminaires, Axis has developed an effective joining system. Special care has been taken to maximize the performance of the joiner for each SCULPT option.

NOTE: Mount each system segment individually. Do not assemble system prior to mounting.



● WEIGHT

Pendant 4 ft	8 lbs / 3.6 kg
Pendant 8 ft	16 lbs / 7.3 kg
Pendant 12 ft	24 lbs / 10.9 kg

● ECO FRIENDLY PROGRAM

Sculpt MikroLite meets the Living Building Challenge, is halogen free and includes PVC free wiring in compliance with requirements. Please contact Axis for supporting documentation.

● LED SYSTEM

LED System	Cluster of 4 LED in each MikroLite cell
LED optical System	Axis patent pending mixing chamber optic for high efficacy light control with deep square in square architectural downlight trim
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).
Color Tuning	Cluster of 4 LED 2 on each diagonal for pure color mixing and no color over angle effects in the space
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. Extruded aluminum downlight heat sink

● ELECTRICAL

Lutron driver	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
Other drivers**	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
Power over Ethernet POE drivers*	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV, DC.

i Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

● APPROVALS

Certified to UL and CSA standards 
Suitable for damp locations. Indoor use only.

● 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.

● MIKROLITE BAFFLE TYPE



LF Lofted baffle
CN Conical baffle
SQ Classic Square baffle

● MIKROLITE BAFFLE FINISHES



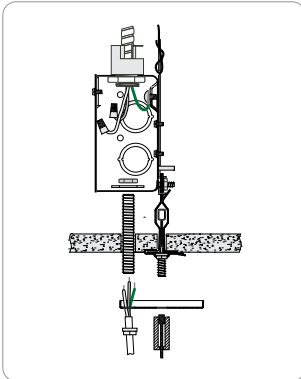
MW matte white
MB matte black
MS matte silver
MRG matte rose gold
CG chrome gold



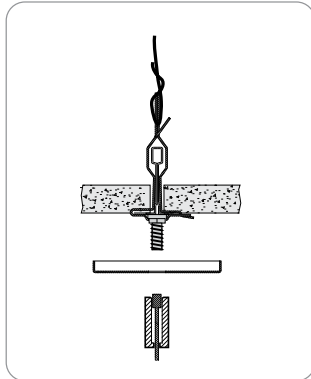
CL crystal
CB chrome black
CS chrome silver
CRG chrome rose gold

● MOUNTING OPTIONS

GT TILE CEILING - ON GRID

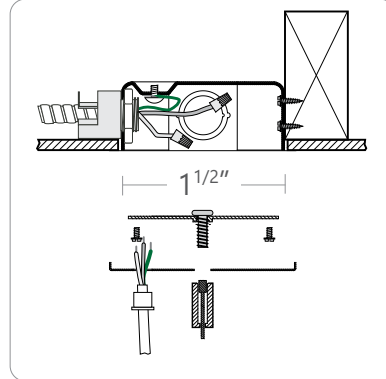


Power feed

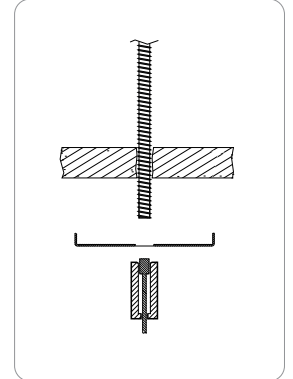


Non power feed

CA DRYWALL CEILING

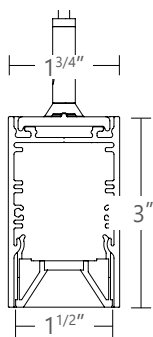


Power feed

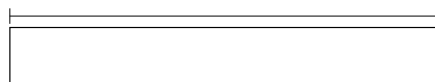


Non power feed

● NOMINAL MOUNTING SPACING END TO END



4' (47 3/8" C.C.)
8' (95 3/8" C.C.)
12' (143 3/8" C.C.)



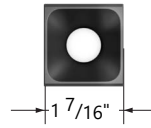
Please see shopdrawing for exact mounting distances.

● OTHER MOUNTING OPTIONS

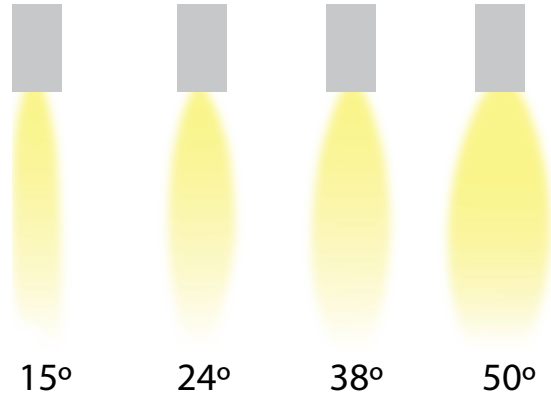
- i** Specification sheets and installation sheets for all mounting for SCULPT luminaires are available for download at www.axislighting.com

● LENGTH INCREMENTS

1 cell [1.5" (38mm)] nominal length increments available



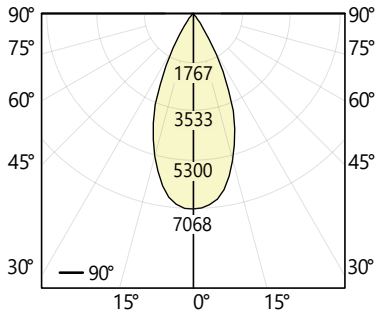
● MIKROLITE BEAM SPREADS



● PHOTOMETRIC DATA MIKROLITE - CONIC BAFFLE

MikroLite - 4ft - 50 deg
1000 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	7066	7066	7066	7066	7066
5	6947	6902	6880	6841	6862
15	5519	5404	5364	5265	5298
25	3078	2993	2979	2827	2855
35	673	657	673	609	589
45	91	83	81	73	74
55	13	13	13	13	13
65	10	10	10	10	10
75	5	5	5	5	5
85	2	2	2	1	2
90	1	1	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	642
10-20	1495
20-30	1328
30-40	438
40-50	70
50-60	12
60-70	9
70-80	5
80-90	1
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2705	2406	2200
55	479	487	482
65	481	484	482
75	444	448	447
85	441	412	374

Conic Baffle, Soft Beam, White Matte Finish.

Direct Output: 1000 lm/ft

Total Lumens: 4001 lm (for 4ft)

Input Watts: 38.7 W

Efficacy: 103 lm/W*

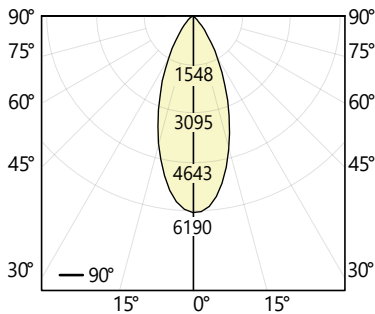
* Efficacy reduces up to 20% with dark baffle finishes.

IES FILE: MKL-4-FL-CN-SF-D50-1000-MW-80-35.ies

TESTED ACCORDING TO IES LM-79-2019

MikroLite - 4ft - 50 deg
1000 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	6190	6190	6190	6190	6190
5	6017	6009	6022	5995	6008
15	4374	4375	4400	4360	4406
25	2409	2424	2478	2447	2465
35	1019	1026	1065	1041	1052
45	300	305	324	321	327
55	106	105	110	111	115
65	35	35	35	35	35
75	17	17	17	17	17
85	5	5	5	5	5
90	1	1	1	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	542
10-20	1170
20-30	1072
30-40	622
40-50	243
50-60	94
60-70	35
70-80	17
80-90	5
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	8960	9680	9774
55	3885	4063	4238
65	1763	1759	1772
75	1403	1399	1425
85	1213	1243	1299

Conic Baffle, Sharp Beam, White Matte Finish.

Direct Output: 950 lm/ft

Total Lumens: 3800 lm (for 4ft)

Input Watts: 37.5 W

Efficacy: 101 lm/W*

* Efficacy reduces up to 20% with dark baffle finishes.

IES FILE: MKL-4-FL-CN-SR-D50-950-MW-80-35.ies

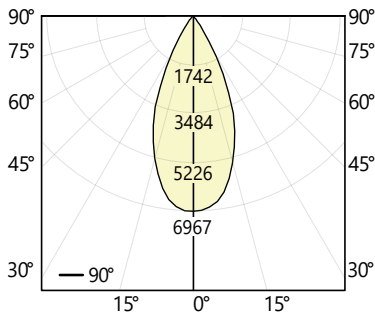
TESTED ACCORDING TO IES LM-79-2019

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

● PHOTOMETRIC DATA MIKROLITE - LOFTED BAFFLE

MikroLite - 4ft - 50 deg
1000 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	6966	6966	6966	6966	6966
5	6815	6805	6812	6794	6821
15	5426	5347	5339	5265	5286
25	3023	2903	2900	2815	2828
35	674	663	684	632	570
45	102	105	116	91	81
55	7	8	9	8	8
65	4	4	5	5	5
75	3	3	3	3	3
85	1	1	1	1	1
90	1	1	1	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	635
10-20	1484
20-30	1319
30-40	461
40-50	87
50-60	8
60-70	4
70-80	2
80-90	1
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3032	3469	2408
55	260	331	281
65	211	240	247
75	207	233	242
85	242	250	232

Lofted Baffle, Soft Beam, White Matte Finish.

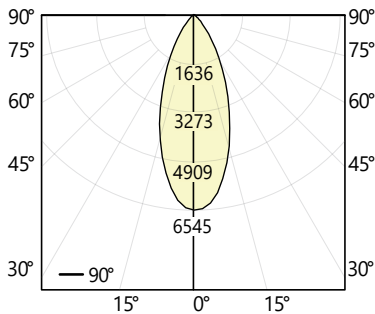
Direct Output: 1000 lm/ft
 Total Lumens: 4000 lm (for 4ft)
 Input Watts: 38.3 W
 Efficacy: 104 lm/W*

* Efficacy reduces up to 20% with dark baffle finishes.

IES FILE: MKL-4-FL-LF-SF-D50-1000-MW-80-35.ies
 TESTED ACCORDING TO IES LM-79-2019

MikroLite - 4ft - 50 deg
1000 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	6545	6545	6545	6545	6545
5	6342	6260	6232	6207	6238
15	4546	4425	4410	4359	4391
25	2493	2435	2438	2370	2379
35	1061	1047	1064	1008	986
45	310	336	396	318	290
55	102	105	112	101	93
65	29	29	30	27	27
75	14	13	13	13	13
85	4	4	4	3	3
90	1	1	1	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	572
10-20	1225
20-30	1115
30-40	663
40-50	279
50-60	98
60-70	31
70-80	14
80-90	4
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	9266	11822	8645
55	3743	4133	3428
65	1465	1489	1334
75	1148	1068	1033
85	1029	884	839

Lofted Baffle, Sharp Beam, White Matte Finish.

Direct Output: 1000 lm/ft
 Total Lumens: 4000 lm (for 4ft)
 Input Watts: 38.0 W
 Efficacy: 105 lm/W*

* Efficacy reduces up to 20% with dark baffle finishes.

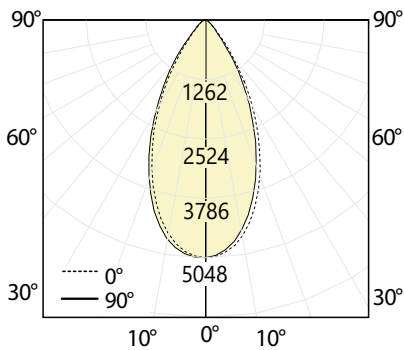
IES FILE: MKL-4-FL-LF-SR-D50-1000-MW-80-35.ies
 TESTED ACCORDING TO IES LM-79-2019

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

● PHOTOMETRIC DATA MIKROLITE - CLASSIC BAFFLE

MikroLite - 4ft - 50 deg
1000 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	5048	5048	5048	5048	5048
5	4894	4899	4914	4930	4952
15	3906	3941	4011	4052	4100
25	2397	2443	2521	2585	2641
35	1014	1111	1195	1209	1192
45	291	330	441	370	350
55	128	140	145	152	147
65	48	60	66	67	61
75	26	28	28	31	31
85	5	6	7	9	10
90	1	1	1	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	461
10-20	1127
20-30	1188
30-40	769
40-50	320
50-60	138
60-70	67
70-80	31
80-90	9
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	8718	13196	10471
55	4733	5363	5410
65	2418	3305	3077
75	2157	2320	2570
85	1278	1692	2314

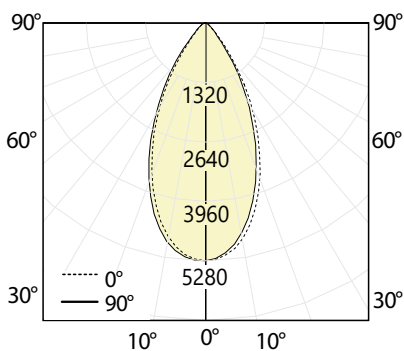
Classic Baffle, Soft Beam, White Finish

Direct Output: 1000 lm/ft
Total Lumens: 4111 lm (for 4ft)
Input Watts: 36.3 W
Efficacy: 113 lm/W

IES FILE: SCDMLO-4-1000-80-35-D55-W-ST.IES
TESTED ACCORDING TO IES LM-79-2019

MikroLite - 4ft - 50 deg
1000 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	5280	5280	5280	5280	5280
5	5152	5150	5149	5150	5147
15	4155	4165	4169	4158	4142
25	2652	2654	2635	2650	2638
35	1099	1188	1300	1246	1144
45	326	338	393	349	335
55	99	102	78	103	103
65	1	4	12	4	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	1	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	479
10-20	1152
20-30	1208
30-40	767
40-50	291
50-60	91
60-70	11
70-80	0
80-90	0
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	9614	11563	9852
55	3603	2826	3751
65	32	577	0
75	0	0	0
85	0	0	0

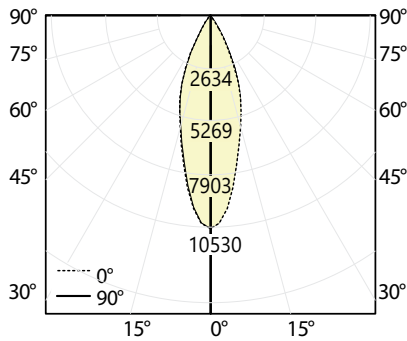
Classic Baffle, Soft Beam, Black Finish

Direct Output: 1000 lm/ft
Total Lumens: 4000 lm (for 4ft)
Input Watts: 39.2 W
Efficacy: 102 lm/W

IES FILE: SCDMLO-4-1000-80-35-D55-BLK-ST.IES
TESTED ACCORDING TO IES LM-79-2019

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

● PHOTOMETRIC DATA MIKROLITE NARROW AND MEDIUM BEAMS

**MikroLite - 4ft - 38 deg
1000 lm/ft****PHOTOMETRIC CURVE****CANDELA DISTRIBUTION**

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	10538	10538	10538	10538	10538
5	9592	9576	9544	9530	9519
15	5764	5365	4928	5301	5658
25	2902	2507	2252	2554	2868
35	406	564	833	568	430
45	65	75	135	80	69
55	22	25	27	27	24
65	3	5	6	5	3
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	840
10-20	1488
20-30	1156
30-40	409
40-50	78
50-60	24
60-70	6
70-80	0
80-90	0
90	

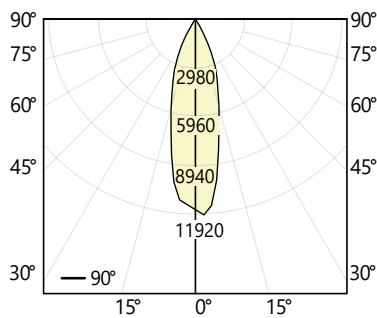
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2210	4566	2329
55	928	1149	987
65	153	359	182
75	0	0	0
85	0	0	0

Classic Baffle, Soft Beam, Black Finish

Direct Output: 1000 lm/ft
Total Lumens: 4000 lm (for 4ft)
Input Watts: 40 W
Efficacy: 100 lm/W

IES FILE: SCDML0-4-1000-80-35-D38-BLK-ST
 TESTED ACCORDING TO IES LM-79-2019

**MikroLite - 4ft - 15 deg
1000 lm/ft****PHOTOMETRIC CURVE****CANDELA DISTRIBUTION**

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	11568	11568	11568	11568	11568
5	11410	11178	11181	11091	11360
15	5858	5704	5642	5441	5521
25	2541	2400	2381	2260	2306
35	355	316	314	280	276
45	13	12	12	12	11
55	8	7	7	7	7
65	6	5	5	5	5
75	3	3	3	3	3
85	1	1	1	1	1
90	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	980
10-20	1623
20-30	1128
30-40	243
40-50	11
50-60	6
60-70	5
70-80	3
80-90	1
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	381	366	338
55	281	257	247
65	275	244	237
75	245	217	214
85	214	187	184

Conic Baffle, Soft Beam, White Matte Finish.

Direct Output: 1000 lm/ft
Total Lumens: 4000 lm (for 4ft)
Input Watts: 37.7 W
Efficacy: 106 lm/W*

* Efficacy reduces up to 20% with dark baffle finishes.

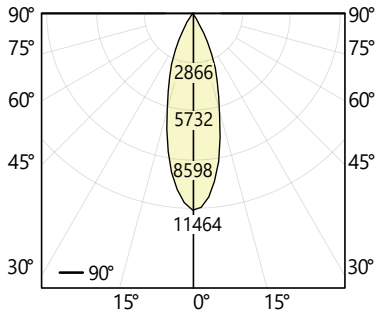
IES FILE: MKL-4-FL-CN-SF-D15-1000-MW-80-35.ies
 TESTED ACCORDING TO IES LM-79-2019

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

● PHOTOMETRIC DATA MIKROLITE NARROW AND MEDIUM BEAMS

MikroLite - 4ft - 24 deg
1000 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	11464	11464	11464	11464	11464
5	10742	10752	10727	10634	10653
15	6108	6121	6192	6052	5973
25	2602	2660	2751	2641	2625
35	380	403	461	405	371
45	8	8	8	7	7
55	6	6	5	5	5
65	5	4	4	4	4
75	3	3	3	3	3
85	1	1	1	1	2
90	1	1	1	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	931
10-20	1637
20-30	1143
30-40	266
40-50	10
50-60	5
60-70	4
70-80	3
80-90	1
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	244	235	220
55	212	203	199
65	233	222	224
75	259	255	261
85	346	362	378

Conic Baffle, Soft Beam, White Matte Finish.

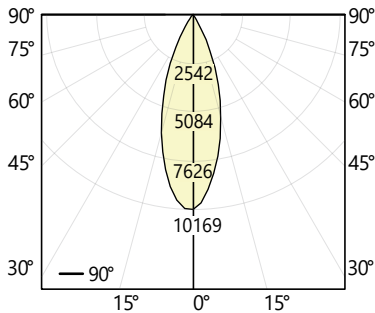
Direct Output: 1000 lm/ft
Total Lumens: 4001 lm (for 4ft)
Input Watts: 36.1 W
Efficacy: 111 lm/W*

* Efficacy reduces up to 20% with dark baffle finishes.

IES FILE: MKL-4-FL-CN-SF-D24-1000-MW-80-35.ies
TESTED ACCORDING TO IES LM-79-2019

MikroLite - 4ft - 38 deg
1000 lm/ft

PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	10169	10169	10169	10169	10169
5	9552	9408	9312	9168	9163
15	6211	5993	5878	5677	5627
25	2645	2456	2382	2186	2100
35	442	407	389	331	310
45	28	25	23	20	19
55	9	8	8	8	7
65	5	5	5	5	5
75	3	3	3	3	3
85	2	2	2	1	1
90	1	1	1	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	853
10-20	1658
20-30	1150
30-40	294
40-50	28
50-60	8
60-70	5
70-80	3
80-90	1
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	843	673	574
55	331	296	274
65	260	243	243
75	274	255	251
85	399	372	343

Conic Baffle, Soft Beam, White Matte Finish.

Direct Output: 1000 lm/ft
Total Lumens: 4001 lm (for 4ft)
Input Watts: 37.5 W
Efficacy: 107 lm/W*

* Efficacy reduces up to 20% with dark baffle finishes.

IES FILE: MKL-4-FL-CN-SF-D38-1000-MW-80-35.ies
TESTED ACCORDING TO IES LM-79-2019

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