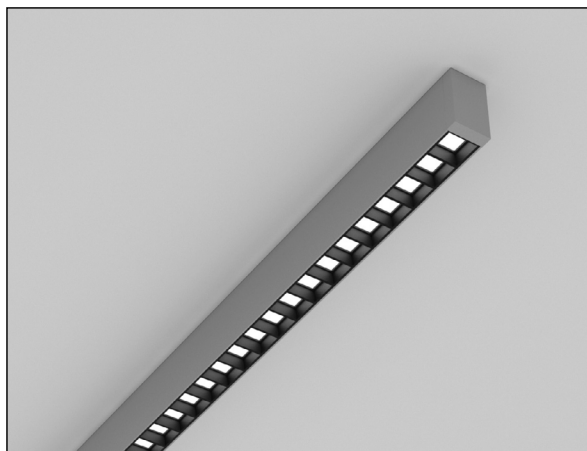
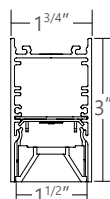




MikroLite shown



*See page 3 for other section views

Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K

LENS	NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
MikroLite™	1000lm/ft	9.8 W/ft	102 lm/W

Please consult factory for custom lumen output and wattage.

Ordering Guide

MikroLite™

CONTROL
SENSORS

SCDMLO										
PRODUCT ID		TOTAL LENGTH	MikroLite NOM. LUMENS/FT		MikroLite CRI		MikroLite COLOR TEMPERATURE		MikroLite BEAM SPREAD	
SCSMLO	Sculpt Surface with MikroLite only	2 2'	300	300 lm/ft - Minimum	80	80 CRI	27	2700K	D38	38 deg
		3 3'	1000	1000 lm/ft - Maximum	90	90 CRI	30	3000K	D55	55 deg (standard)
		4 4'					35	3500K	D60	60 deg
		5 5'					40	4000K		
		6 6'					TW	Tunable white *		
		8 8'								
		12 12'								
		S# System Run								
			Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.		Applies for all optics.		* Tunable white is only available in 55 degree option. Consult Axitune spec sheet for Axis color driver options.		Tunable white is only available in 55 degree option.	

		ST									
MikroLite CELL FINISH		OPTICS		FINISH		VOLTAGE		DRIVER		CIRCUITS	
GR	grey	ST	standard	AP	aluminum paint	120	120 V	DP	dimming (0-10V) 1%	1	1 circuit
W	white		W	white	277	277 V	LT	lutron ⁽²⁾	2	2 circuits	
BLK	black		BLK	black	347	347 V ⁽¹⁾	BI	bi-level dimming	+E(#)	emergency section ⁽⁴⁾	
			C	custom	UNV	universal	O	other ⁽³⁾			
							(1) Dimming (0-10V) 5% standard		(2) Specify system (3) Please consult factory; see page 2		Minimum 3 ft length. (4) Specify quantity

MOUNTING		BATTERY (OPTIONAL)		OTHER (OPTIONAL)		IC CONTROLS (OPTIONAL)		CUSTOM (OPTIONAL)	
SB9	surface TB/TG 9/16	B#	battery pack	F	fuse ⁽²⁾	DS#	daylight sensor	C	custom
SB15	surface TB/TG 15/16			FW(#)	flex whip (6' std)	OS#	occupancy sensor		
SBS	surface screw slot t-bar					DOS#	daylight & occupancy sensor		
S	surface drywall ceiling					EN#	Enlighted integral		
SC	surface solid ceiling					ENR#	Enlighted remote ⁽³⁾		
						WC#	wireless control dimming		
		5' minimum fixture length. For lengths under 5' - battery pack is remote only. Not available with 347V Please consult factory.		(2) Requires 120V or 277V		(3) Please consult factory. Specify quantity. Requires 7" blank. See integrated controls guide for more details.			Please specify

● 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.

● CONSTRUCTION

Housing	Extruded aluminum (0.080" nominal) up to
End Cap	Die cast aluminum
Interior Brackets	Die formed sheet steel (20 gauge)
MikroLite	High density composite polycarbonate shielding and formed aluminum optical system
Mixing Lenses	Extruded acrylic
Hanger	Die cast aluminum
Suspension	Aircraft cable with fixed mounting point
Cable Grips	Quick connecting / release
MikroLite	Extruded aluminum
Heat Sink	

● ELECTRICAL

Lutron driver	LDE1 - EcoSystem H-Series (1%) LDE5 - EcoSystem 5-Series (5%) LTE - Hi-Lume® A-series 2Wires Forward Phase (1%)
Other drivers	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex LV - line voltage - Advance Mark 10 Xitanium SR - For wireless sensor
Emergency	remote emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, UNV.

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

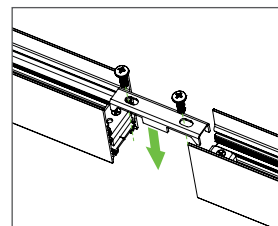
● WEIGHT

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

● 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.



● APPROVALS

Certified to UL and CSA standards 
Suitable for damp locations.
Meets CEC requirements (Chicago plenum)

● WARRANTY

Axis lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Axis.

● 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.

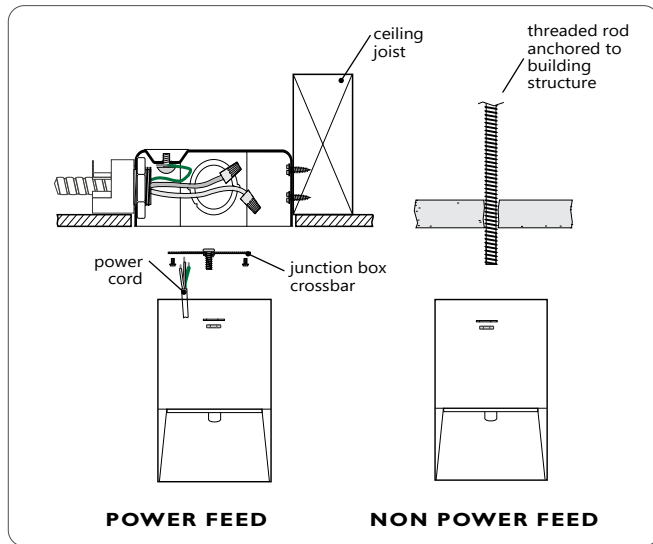
● OTHER MOUNTING OPTIONS

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

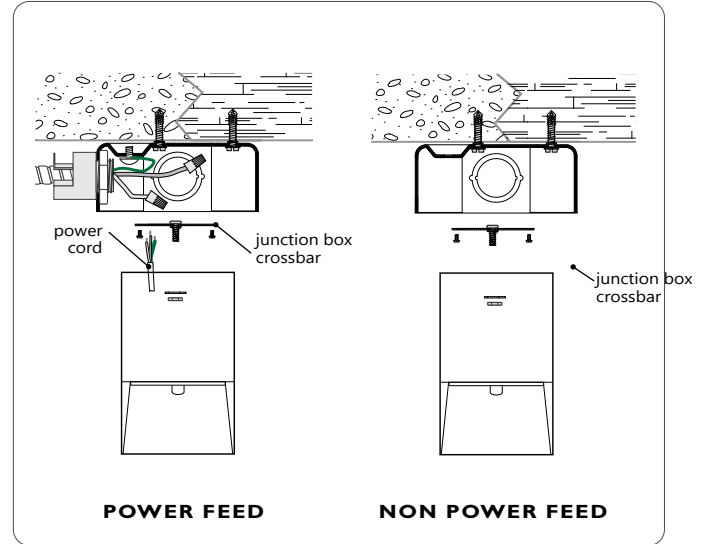
● ECO FRIENDLY PROGRAM

Sculpt MikroLite 1.5 meets the Living Building Challenge, is halogen free and includes PVC free wiring in compliance with requirements. Please contact Axis for supporting documentation.

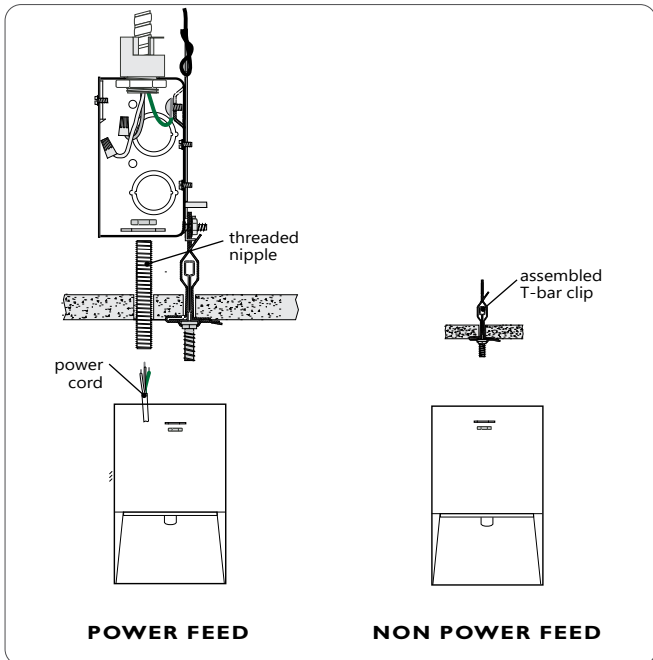
● MOUNTING DETAILS



S SURFACE MOUNT DRYWALL CEILING

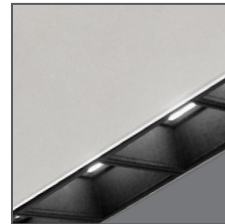


SC SURFACE MOUNT SOLID CEILING



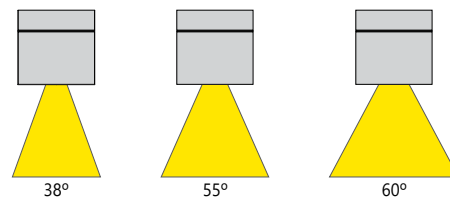
SB9 SB15 SBS SURFACE MOUNT T-BAR CEILING

● SHIELDING - MikroLite™ 1.5

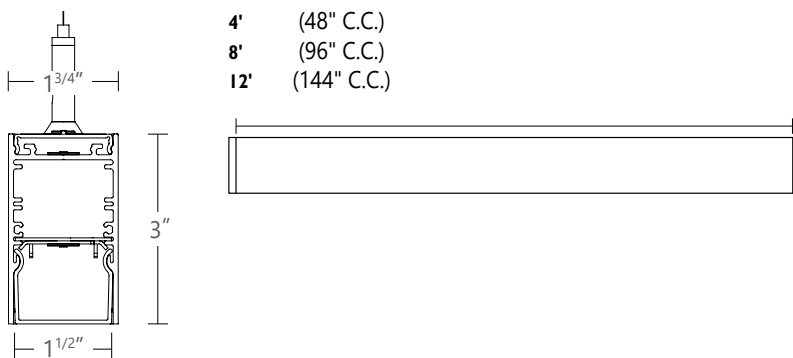


SCML0 MikroLite

● BEAM SPREADS

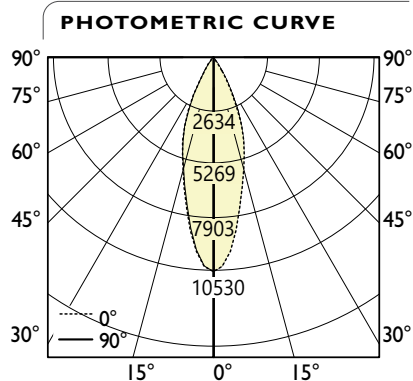


● MOUNTING SPACING END TO END



● PHOTOMETRIC DATA - DIRECT

MikroLite - 4ft - 38 deg
1000 lm/ft



Black Finish



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

IES FILE: SCDMLO-4-1000-80-35-D38-BLK-ST
TESTED ACCORDING TO IES LM-79-2008

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

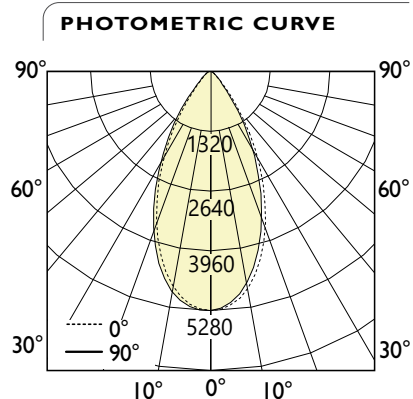
ZONAL LUMENS

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

MikroLite - 4ft - 55 deg
1000 lm/ft



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-79-2008

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)

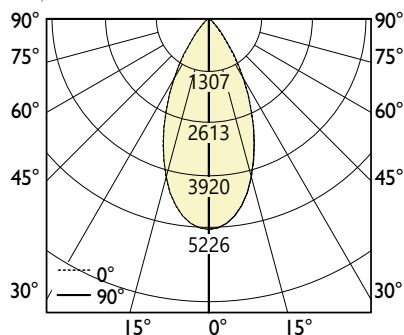
Vertical Angle	Horizontal Angles		
	0	45	90
45	9614	11563	9852
55	3603	2826	3751
65	32	577	0
75	0	0	0
85	0	0	0

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

● PHOTOMETRIC DATA - DIRECT

MikroLite - 4ft - 55 deg
1000 lm/ft

PHOTOMETRIC CURVE



Gray Finish



Direct Output: 1000 lm/ft
Total Lumens: 3888 lm (for 4ft)
Input Watts: 35.3 W
Efficacy: 110 lm/W

IES FILE: SCDMLO-4-1000-80-35-D55-GR-ST.IES
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	5226	5226	5226	5226	5226
5	5099	5096	5097	5096	5096
15	4073	4085	4105	4093	4084
25	2494	2509	2519	2524	2514
35	1081	1131	1164	1118	1044
45	286	323	411	311	276
55	103	112	112	110	101
65	31	39	40	39	30
75	12	13	13	14	13
85	3	4	4	4	4
90	1	1	1	1	1

ZONAL LUMENS

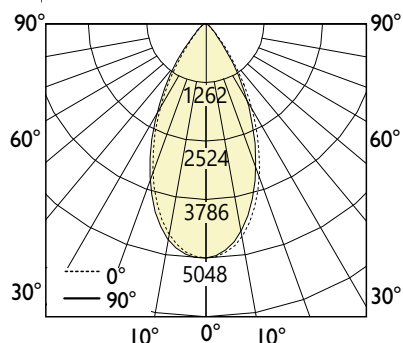
Zone	Lumens
0	
0-10	474
10-20	1131
20-30	1147
30-40	706
40-50	272
50-60	102
60-70	39
70-80	14
80-90	4
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	8556	12301	8271
55	3814	4143	3746
65	1545	2009	1513
75	994	1044	1079
85	846	881	941

MikroLite - 4ft - 55 deg
1000 lm/ft

PHOTOMETRIC CURVE



White Finish



Direct Output: 1000 lm/ft
Total Lumens: 4111 lm (for 4ft)
Input Watts: 36.34 W
Efficacy: 113 lm/W

IES FILE: SCDMLO-4-1000-80-35-D55-W-ST.IES
 TESTED ACCORDING TO IES LM-79-2008

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)

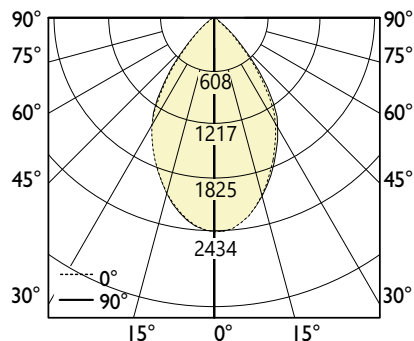
Vertical Angle	Horizontal Angles		
	0	45	90
45	8718	13196	10471
55	4733	5363	5410
65	2418	3305	3077
75	2157	2320	2570
85	1278	1692	2314

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

● PHOTOMETRIC DATA - DIRECT

MikroLite - 4ft - 60 deg
700 lm/ft

PHOTOMETRIC CURVE



Black Finish



Direct Output: 700 lm/ft
Total Lumens: 2800 lm (for 4ft)
Input Watts: 35 W
Efficacy: 80 lm/W

IES FILE: SCDMLO-4-700-80-35-D60-BLK-ST.IES
TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2434	2434	2434	2434	2434
5	2405	2406	2407	2405	2400
15	2096	2100	2107	2110	2109
25	1640	1641	1649	1666	1681
35	1105	1165	1185	1199	1190
45	398	495	712	533	458
55	76	105	154	125	98
65	8	14	18	19	11
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	224
10-20	582
20-30	750
30-40	708
40-50	405
50-60	113
60-70	17
70-80	1
80-90	0
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	18600	33249	21414
55	4378	8860	5664
65	661	1381	899
75	170	134	134
85	0	0	0

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