

Slate 1 | FOR ACOUSTIC CEILINGS COMBINED OPTICS (MikroLite with Spotless Flush Lens)



Project

Type

Notes



PERFORMANCE PER LINEAR FOOT AT 3500K AT 80 CRI

	NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
SO lens	200 lm/ft	2.3 W/ft	88 lm/W
	300 lm/ft	3.15 W/ft	95 lm/W
	400 lm/ft	4.1W/ft	98 lm/W
MikroLite 35	569 lm/ML4 module	6.6 W	86 lm/W
MikroLite 20	453 lm/ML4 module	6.6 W	52 lm/W

* Based on a 4 foot luminaire using one driver
Please consult factory for custom lumen output and wattage.

Ordering Guide

PRODUCT ID		LENGTH		SHIELDING		NOM. LUMENS/FT DOWN		CRI		
SL1	Slate1 Combined Optics (Spotless Lens with MikroLite)	5	5'	SO + MKL(Module Type, Beam Angles, Cell Finish)	spotless lens with Mikrolite*	200	200 lm/ft	SO lens	80	80 CRI
		6	6'			300	300 lm/ft		90	90 CRI
		7	7'							
		8	8'			400	400 lm/ft			
				*See Ordering Code builder table below for ordering options		MikroLite module nominal lumen output fixed at 500lm per 4 cell module, and 1500lm per 12 cell module				

								DP				
COLOR TEMP.		FINISH				VOLTAGE		DRIVER		CIRCUITS		
27	2700 K	W	white	B2103	Wild Pine		120	120 V	DP	integral driver 0-10V dimming (1%)*	1	1 circuit
30	3000 K	AP	aluminum paint	B2601	Medium Teak		277	277 V			+E(#)	emergency circuit *
35	3500 K	BLK	black	B1406	French Cherry		UNV	universal			+NL(#)	night light circuit
40	4000 K	C	custom	B1102	Maple Cherry							
		B99244	Birch	B1301	Medium Chestnut							
		B2502	Fine Oak	B1806	Dark Walnut							
		B1501	Douglas Fur	B99097	Dark Rosewood							
		See wood finish details on page 2.						* Only integral 0-10V driver available		* Specify quantity		

UWB		
MOUNTING / SUSPENSION	CABLE LENGTH (OPT.)	CUSTOM (OPT.)
UWB universal wood ceiling bracket	# length ft*	C custom
* 20 feet standard, please specify if other length required.		Please specify

* Ordering Code Builder - MikroLite

MIKROLITE - MKL(Module Type, Beam Angles, Cell Finish)			
MIKROLITE MODULE TYPE		BEAM ANGLES	CELL FINISH
ML4	four 1 inch cell MikroLite module	MKL35 35 deg	GR gray
ML12	twelve 1 inch cell MikroLite module	MKL20 20 deg	BLK black
ML4 -500 lm/module, ML12 - 1500 lm/module See page 2 for more information. See page 3 for available configurations			

Slate 1 | FOR ACOUSTIC CEILINGS COMBINED OPTICS (MikroLite with Spotless Flush Lens)

● CONSTRUCTION

Housing	Extruded aluminum (0.080" nominal)
End Cap+Joiner	Die cast aluminum
Lenses	Extruded acrylic

● ELECTRICAL

DP driver	Features integral 0-10V driver 1% dimming standard. The integral 0-10V driver is the only driver available.
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.

● LED SYSTEM

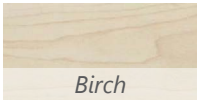
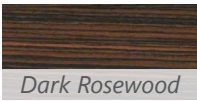
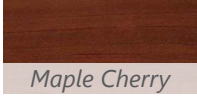
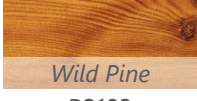
CRI	Minimum 80 or 90 color rendering index
CCT	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse).
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Performance	Up to 108 lm/W.

● FINISHES

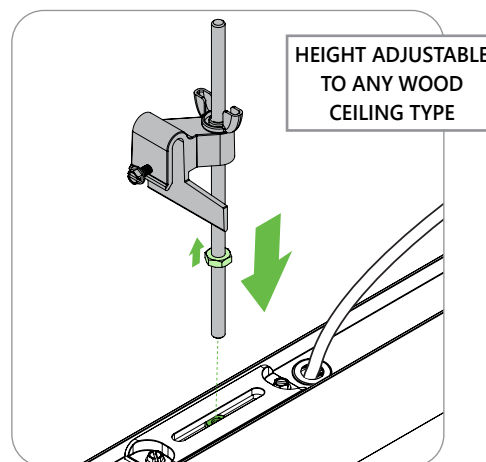
Powder coated and custom finishes are also available.

Wood Finishes

Add style to the space with classic wood finish luminaires that use advanced sublimation technology to produce a durable and elegant wood grain finish. Please contact your Axis representative for more information including pricing and lead time.

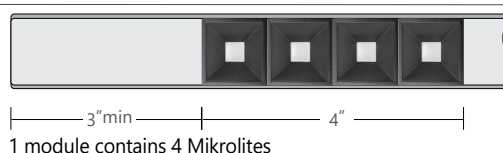
 Birch B99244	 Medium Teak B2601	 Dark Walnut B1806
 Fine Oak B2502	 French Cherry B1406	 Dark Rosewood B99097
 Douglas Fir B1501	 Maple Cherry B1102	
 Wild Pine B2103	 Medium Chestnut B1301	

● MOUNTING OPTIONS



UWB - Universal Wood Ceiling Bracket shown

● SLATE 1 WITH MIKROLITE 1.0



● APPROVALS

Certified to UL and CSA standards 
Suitable for damp locations.

● WARRANTY

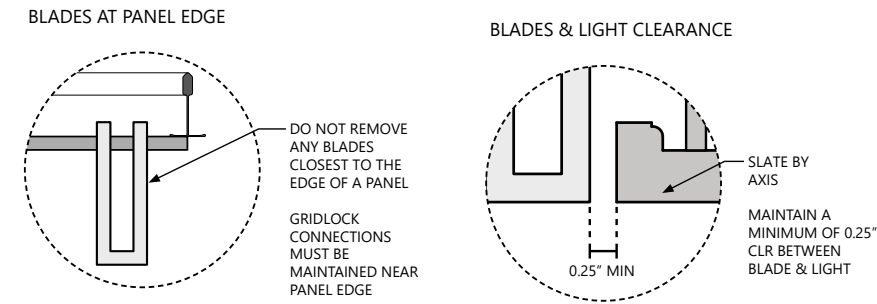
Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

● SO LENS COMBINED WITH MIKROLITE CONFIGURATIONS

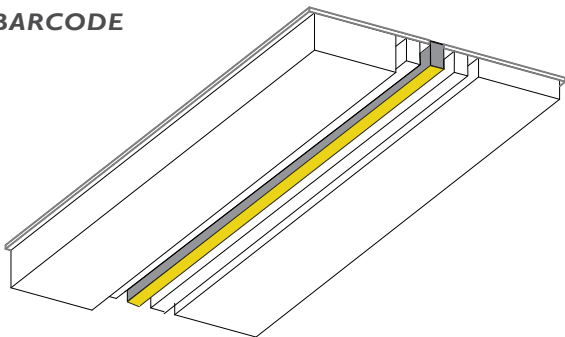
LENGTH	CONFIGURATION
2 feet	N/A
3 feet	N/A
4 feet	N/A
5 feet	24" 24" 24" 24" 24" 24" ±24" 60" ±24" 3 drivers 21" 21" 21" ±24" 60" ±24" 2 ft SO spotless lens +2 four-cell MikroLite modules ML4 2 ft SO spotless lens +2 twelve-cell MikroLite modules ML12
6 feet	24" 24" 24" 24" 24" 24" ±24" 71" ±24" 3 drivers 24" 24" 24" ±24" 71" ±24" 2 ft SO spotless lens +2 four-cell MikroLite modules ML4 2 ft SO spotless lens +2 twelve-cell MikroLite modules ML12
7 feet	24" 24" 24" 31" 31" 31" ±36" 84" ±36" 3 drivers 32" 32" 32" ±36" 84" ±36" 3 ft SO spotless lens +2 four-cell MikroLite modules ML4 3 ft SO spotless lens +2 twelve-cell MikroLite modules ML12
8 feet	24" 24" 24" 36" 36" 36" ±48" 95" ±48" 3 drivers 33" 33" 33" ±36" 95" ±36" 4 ft SO spotless lens +2 four-cell MikroLite modules ML4 3 ft SO spotless lens +2 twelve-cell MikroLite modules ML12

TURF CEILINGS INTEGRATION

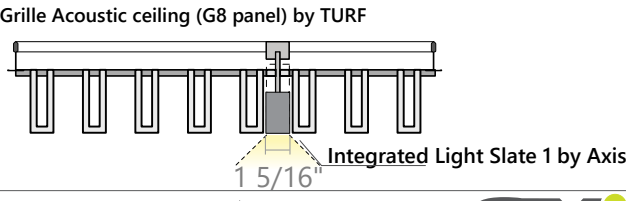
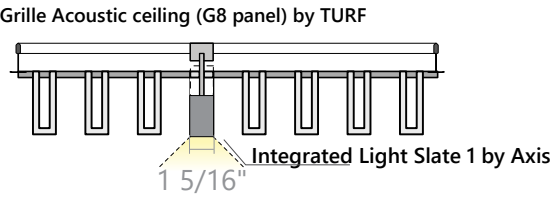
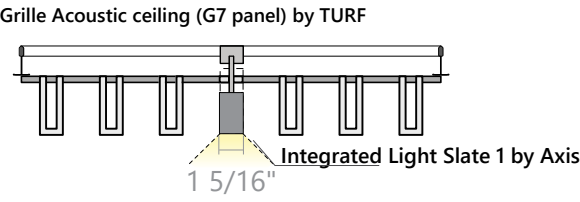
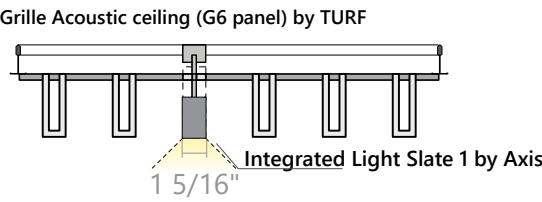
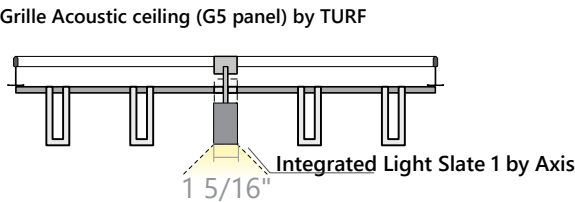
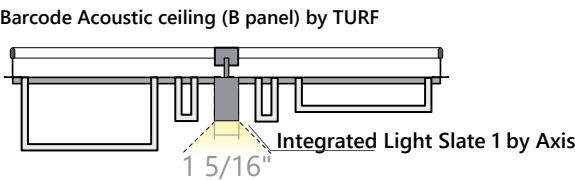
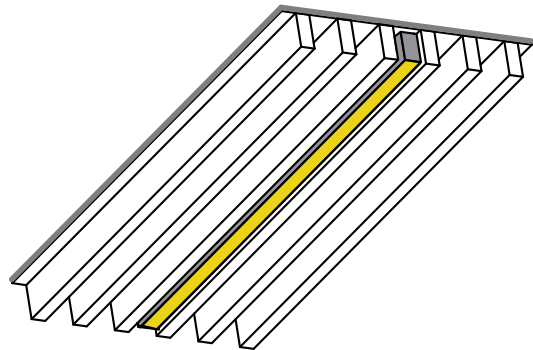
For ceiling panels adjustments and installation, please refer to ceilings provider documentation.



BARCODE

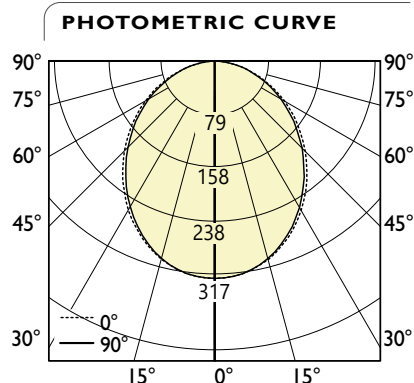


GRILLE



● PHOTOMETRIC DATA - DIRECT

Spotless Lens 200 lm/ft



Direct Output: 200 lm/ft
Total Lumens: 800 lm (for 4ft)
Input Watts: 9.1 W
Efficacy: 88 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
 IES FILE: SL1-SO-200-80-35-4.IES
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	317	317	317	317	317
5	315	315	315	315	315
15	299	299	299	298	298
25	270	270	268	267	266
35	231	231	228	226	225
45	187	186	183	180	179
55	140	140	137	134	133
65	94	94	92	90	89
75	48	49	49	48	47
85	12	12	12	11	11
90	1	1	1	1	1

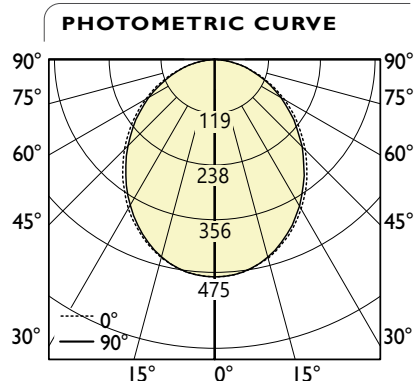
ZONAL LUMENS

	Lumens
Zone	
0	
0-10	30
10-20	84
20-30	123
30-40	143
40-50	141
50-60	123
60-70	91
70-80	51
80-90	14
90	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	7985	7851	7675
55	7389	7239	7033
65	6701	6567	6363
75	5668	5694	5514
85	4079	4203	3874

Spotless Lens 300 lm/ft



Direct Output: 300 lm/ft
Total Lumens: 1200 lm (for 4ft)
Input Watts: 12.6 W
Efficacy: 95 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
 IES FILE: SL1-SO-300-80-35-4.IES
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	475	475	475	475	475
5	472	472	472	472	472
15	449	449	448	447	447
25	405	405	403	400	399
35	346	346	342	338	337
45	280	280	275	271	269
55	210	210	206	202	200
65	140	140	138	135	133
75	73	74	73	72	71
85	18	18	18	17	17
90	1	1	1	1	1

ZONAL LUMENS

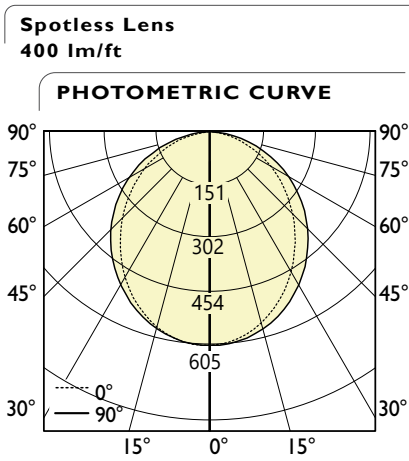
	Lumens
Zone	
0	
0-10	45
10-20	126
20-30	185
30-40	214
40-50	212
50-60	184
60-70	136
70-80	77
80-90	21
90	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	11978	11776	11513
55	11084	10859	10550
65	10051	9851	9544
75	8502	8542	8271
85	6118	6304	5810

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

● PHOTOMETRIC DATA - DIRECT



CANDELA DISTRIBUTION					
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	604	604	604	604	604
5	597	597	599	600	601
15	558	560	567	573	576
25	494	499	512	524	529
35	415	422	441	458	466
45	329	337	360	380	390
55	241	249	273	294	303
65	154	161	182	202	209
75	72	78	91	106	112
85	11	13	17	23	25
90	0	0	0	1	0

ZONAL LUMENS	
Zone	Lumens
0	
0-10	57
10-20	161
20-30	239
30-40	281
40-50	285
50-60	253
60-70	190
70-80	106
80-90	27
90	

LUMINANCE DATA (cd/m²)			
Vertical Angle	Horizontal Angles		
	0	45	90
45	41858	45837	49617
55	37812	42873	47624
65	32769	38735	44638
75	25073	31762	39068
85	11103	17519	25974

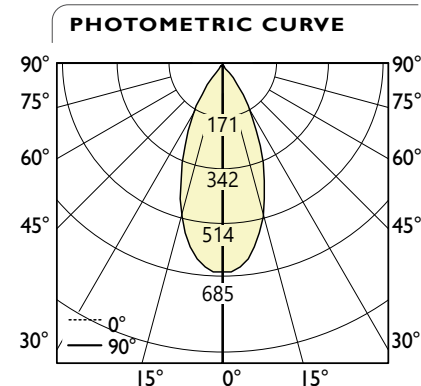
Direct Output: 400 lm/ft
Total Lumens: 1600 lm (for 4ft)
Input Watts: 16.01 W
Efficacy: 100 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
IES FILE: SL1-SO-400-80-35-4.IES
TESTED ACCORDING TO IES LM-79-2008

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

● 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	0	0
75	0	0	0
85	0	0	0

Total Lumens: 452 lm (for 1 accent)

Input Watts: 6.59 W

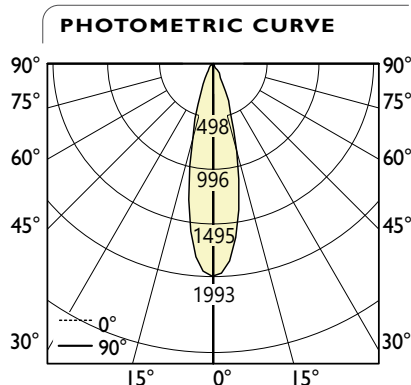
Efficacy: 69 lm/W

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

IES FILE: MKL-D35-A18323G.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: MKL-D20-A18324G.IES

TESTED ACCORDING TO IES LM-79-2008

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