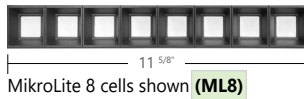


Combined distribution shown



MikroLite 8 cells shown (ML8)

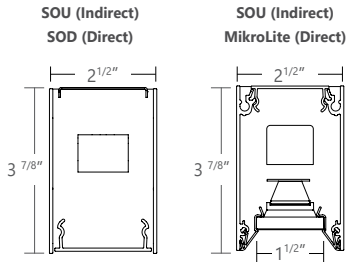


MikroLite 2 cells shown (ML2)

Project _____

Type _____

Notes _____



*See page 3 for other section views

PERFORMANCE PER LINEAR FOOT AT 3500K

LENS	NOMINAL LUMEN OUTPUT		INPUT WATTS*	EFFICACY
	UPLIGHT	DOWNLIGHT		
0.25G/SOD	1100 lm/ft	1000 lm/ft	16.6 W/ft	127 lm/W
SOU/SOD	1100 lm/ft	1000 lm/ft	16.8 W/ft	125 lm/W
MikroLite™		1000lm/ft	101.7 W/ft	102 lm/W

Please consult factory for custom lumen output and wattage.



Ordering Guide

A CONFIGURATION DRAWING IS REQUIRED. Factory is available for assistance. See page 2 for example of how to specify.

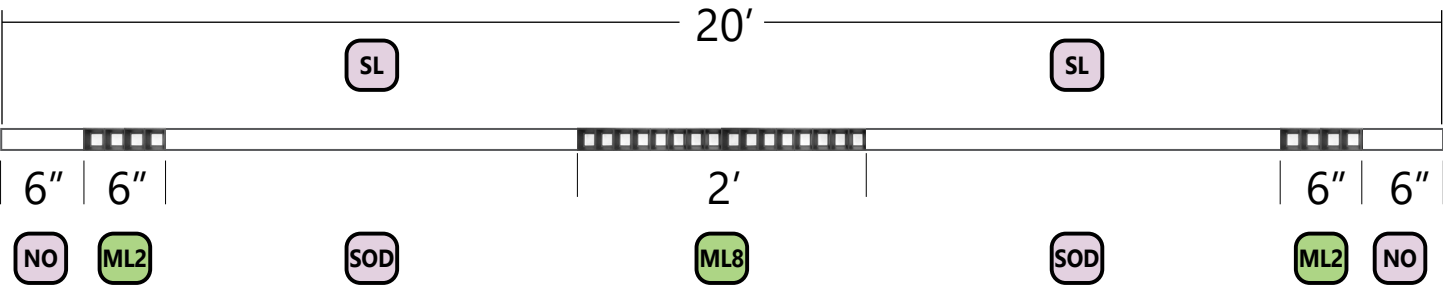
TB2ML													
PRODUCT ID		TOTAL LENGTH		OPTIC - UP		NOM. LUMENS/FT UP (OPT.)		OPTIC - DOWN		NOM. LUMENS/FT DOWN (OPT.)		BLANK (OPT.)	
TB2ML	Beam 2 pendant combined with Mikrolite	2	2'	SOU	spotless lens up	300	300 lm/ft-Min	SOD	spotless lens down	300	300 lm/ft-Min	BL(#)	Blank
		3	3'	SL	surroundlite	1100	1100 lm/ft-Max	UB	ultra blend lens*	1000	1000 lm/ft-Max		
		4	4'	SLA	surroundlite asymmetric			NO	no lens				
		5	5'	0.25G	0.25" Glo lens								
		6	6'	NO	no lens								
		7	7'										
		8	8'										
		12	12'										
		S(L)	System Run										
				Specify only for indirect option.		Specify only for indirect option. Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.		Specify only for direct option. *Default lens for Tunable white. Consult factory for other lens.		Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.		Minimum is 6"	

MikroLite MODULE & QTY(#)		MikroLite NOM. LUMENS/FT		MikroLite BEAM SPREAD		MikroLite CELL FINISH		CRI		COLOR TEMP. (choose one)				FINISH		VOLTAGE	
+ML2(#)	2 cell (3')	200	200 lm/ft - Min	D38	38 deg	GR	grey	80	80 CRI	27	2700 K	TW2750	2700-5000 K - Tunable White*	AP	aluminum	120	120 V
+ML8(#)	8 cell (1')	1000	1000 lm/ft - Max	D55	55 deg (standard)*	W	white	90	90 CRI	30	3000 K	TW2765	2700-6500 K - Tunable White*	W	white	277	277 V
				D60	60 deg	BLK	black			35	3500 K			BLK	black	347	347 V
										40	4000 K			C	custom	UNV	universal
MikroLite 2 cells: minimum is ML2(#2)		See page 4		*Tunable white is only available in 55 degree option.						Consult Axitune technical sheet for more information of color technology. *Tunable white is only available in 55 degree option.						* Only available with POE drivers.	
A CONFIGURATION DRAWING IS REQUIRED																	

DRIVER	CIRCUITS	MOUNTING/SUSPENSION	BATTERY (OPT.)	IC CONTROLS (OPT.)	CUSTOM (OPT.)
DP dimming (0-10V) 1% LT(#) Lutron* BI bi-level dimming O(#) other** TW(#) tunable white drivers* POE(#) POE drivers*	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*	B(#) battery pack	DS(#) daylight sensor* OS(#) occupancy sensor* DOS(#) daylight & occupancy sensor* EN(#) Enlighted integral* ENR(#) Enlighted remote** WC(#) wireless control dimming	C custom
*See page 3 to specify system **Please consult factory; see page 3	Minimum 3 ft length. *Specify quantity	See Mounting kit guide for full specification code. Specify length *For stem option, please consult factory.	5' minimum fixture length. Not available with 347V Please consult factory	*For flush option only; Please consult factory. **Please consult factory. Applies to both UP & DOWN. Specify quantity. Requires 7" blank. See integrated controls guide for more details. Consult factory for Tunable White.	Please specify

How to Specify Combined Distributions

Example for Optic up, Optic down and MikroLite™ down



1. Provide a configuration drawing

2. Specify Total Length

20
TOTAL LENGTH

3. Specify Optic - Up

SL
OPTIC - UP

4. Specify Optic - Down

SOD
OPTIC - DOWN

5. Specify BLANK (OPTIONAL)

NO(12")
Blank (OPT.)

6. Specify MikroLite MODULE QUANTITY

ML2(#4)+ML8(#2)
MikroLite MODULE & QTY(#)

● LED SYSTEM

CRI	Minimum 80 or 90 color rendering index.
CCT Single Color	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT Axitune Systems	Consult Axitune technical sheet for more information on color technology.
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.
Environment	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104F).

● 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
Tunable White TW drivers*	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address)
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.

*Choose driver from available options.

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

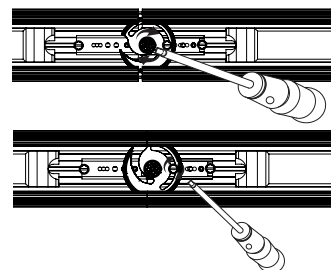
● WEIGHT

Direct 4 ft	13.2 lbs / 6.0 kg
Direct 8 ft	26.4 lbs / 12.0 kg
Direct 12 ft	39.6 lbs / 18.0 kg

BEAM 2 MikroLite 1.5 luminaires feature InstaJoiner, a unique, patent-pending joining system developed by Axis offering fast, single-screw tightening.

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

- i** Allow a minimum of 6" between end of long runs and wall.



● CONSTRUCTION

Housing	Extruded aluminum (0.080" nominal) up to
End Cap	Die cast aluminum
Interior Brackets	Die formed sheet steel (20 gauge)
Micro Downlight	High density composite Polycarbonate shielding and formed aluminum optical system
Mixing Lenses	Acrylic film
Hanger	Adjustable slide mount
Suspension	Y shape aircraft cable or Ø 1/2" stem
Cable Grips	Quick connecting / release
MikroLite Heat Sink	Extruded aluminum

● APPROVALS

Certified to UL and CUL standards
Meets NYC requirements
Meets ADA requirements.
Suitable for damp locations.

● WARRANTY

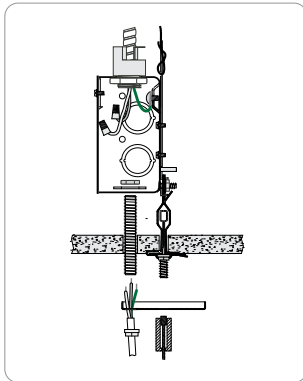
Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

● SYSTEM (S#)

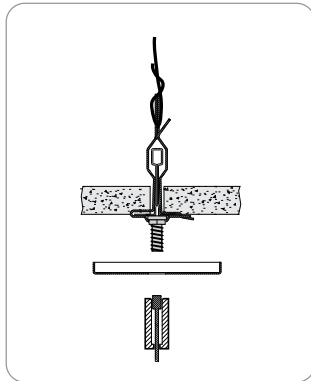
BEAM 2 MikroLite linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Lengths of 4', 8', 12' as well as custom lengths are available. Runs of BEAM 2 MikroLite that are greater than 12' in length are designated as systems (S#). This means that the run is comprised of a combination of 4', 8' and/or 12' sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the BEAM installation sheets available for download at www.axislighting.com.

● **MOUNTING OPTIONS**

CT TILE CEILING - ON GRID

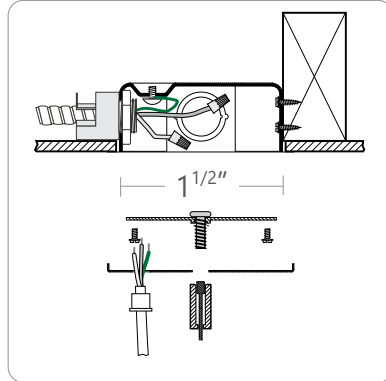


Power feed

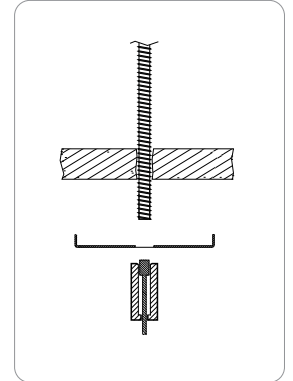


Non power feed

CA DRYWALL CEILING



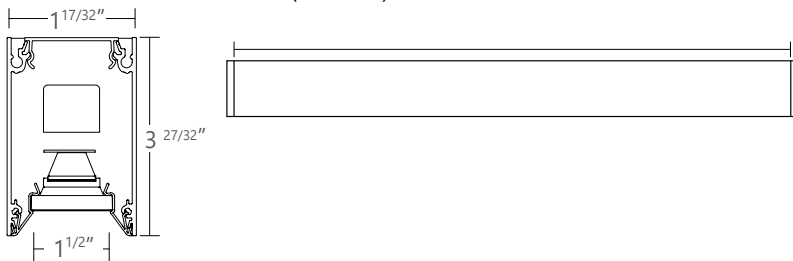
Power feed



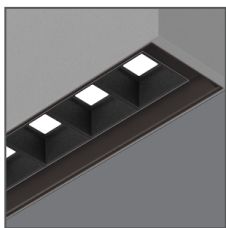
Non power feed

● **MOUNTING SPACING END TO END**

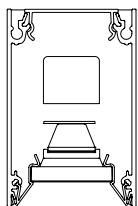
4' (48" C.C.)
8' (96" C.C.)
12' (144" C.C.)



● **OPTICS - MikroLite™ 1.5**

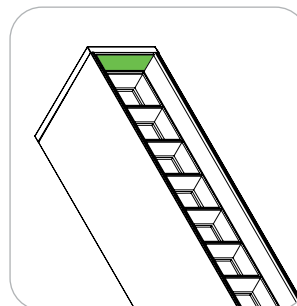


RG - regressed



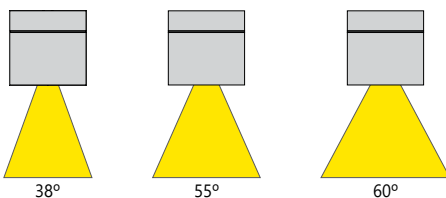
● **FACE PLATES**

Face plates are used to complete MikroLite optical sections in BEAM 2 MikroLite 1.5 luminaires



Face plate for regressed
MikroLite optical section

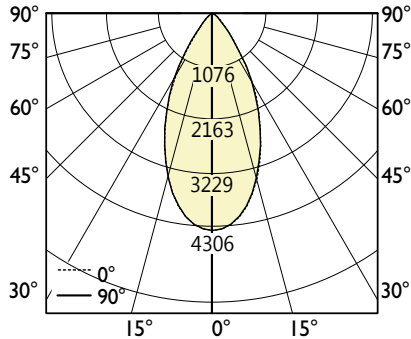
● **BEAM SPREADS**



● PHOTOMETRIC DATA

MikroLite - 3ft
1000 lm/ft

PHOTOMETRIC CURVE



Direct Output: 1000 lm/ft
Total Lumens: 3262 lm (for 3ft)
Input Watts: 32.06 W
Efficacy: 102 lm/W

IES FILE: BEAM2-1000-90-MICROLIGHT-3-W-UNV-D-1
TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	4306	4306	4306	4306	4306
5	4202	4200	4199	4199	4198
15	3389	3397	3400	3391	3378
25	2162	2164	2149	2161	2151
35	896	969	1060	1016	933
45	266	276	320	285	273
55	81	83	63	84	84
65	1	3	10	3	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	1	0	0	0

ZONAL LUMENS

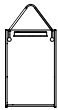
Zone	Lumens
0	
0-10	391
10-20	940
20-30	985
30-40	626
40-50	238
50-60	74
60-70	9
70-80	0
80-90	0
90	

LUMINANCE DATA (cd/m²)

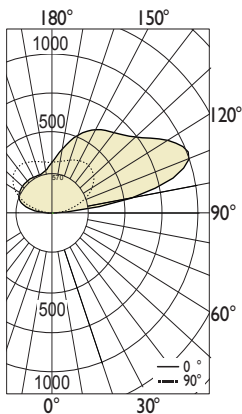
Vertical Angle	Horizontal Angles		
	0	45	90
45	10571	12714	10833
55	3962	3107	4125
65	35	634	0
75	0	0	0
85	0	0	0

SLA SurroundLite asymmetric - Up

Uplight
1100 lm/ft
Downlight
0 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 0 lm/ft
Total Lumens: 4731 lm (for 4ft)
Input Watts: 44.7 W
Efficacy: 106 lm/W

IES FILE: TB2DILED-1100-0-80-35-SLA-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles								
	0	22.5	45	67.5	90	112.5	135	157.5	180
90	0	0	0	0	0	0	0	0	0
95	228	325	263	142	83	132	163	188	186
105	1938	1724	828	456	357	353	368	432	463
115	2239	1803	1021	729	615	544	490	531	569
125	1860	1589	1165	942	784	660	569	574	595
135	1572	1477	1258	1054	870	709	608	594	600
145	1440	1403	1258	1073	879	715	619	595	594
155	1289	1259	1156	993	833	699	619	589	582
165	1060	1036	970	873	774	688	630	600	590
175	818	811	793	766	735	705	681	664	659
180	727	727	727	727	727	727	727	727	727

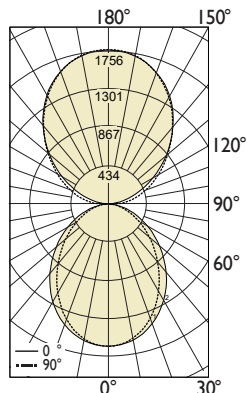
ZONAL LUMENS

Zone	Lumens
90	
90-100	240
100-110	732
110-120	878
120-130	841
130-140	740
140-150	592
150-160	410
160-170	228
170-180	71
180	

● PHOTOMETRIC DATA

0.25G 0.25" Glo lens - Up
SOD spotless lens - Down

Uplight
1100 lm/ft
Downlight
1000 lm/ft


PHOTOMETRIC CURVE


Lumen/ft up: 1100 lm/ft
Lumen/ft down: 1000 lm/ft
Total Lumens: 8410 lm (for 4ft)
Input Watts: 66.2 W
Efficacy: 127 lm/W

IES FILE: TB2DILED-1100-1000-80-35-0.25G-SO-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1735	1735	1735	1735	1735
5	1724	1721	1718	1717	1716
15	1635	1623	1606	1593	1589
25	1461	1440	1421	1409	1396
35	1225	1202	1184	1146	1133
45	958	952	918	873	856
55	691	690	654	612	597
65	443	444	413	386	377
75	231	231	217	205	201
85	68	65	60	56	55
90	7	40	80	110	122
95	61	104	146	176	188
105	219	258	303	337	350
115	427	466	497	526	540
125	678	710	731	745	757
135	951	973	986	992	1000
145	1216	1231	1239	1242	1248
155	1444	1452	1458	1462	1467
165	1602	1606	1614	1617	1622
175	1685	1686	1690	1692	1693
180	1699	1699	1699	1699	1699

ZONAL LUMENS

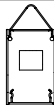
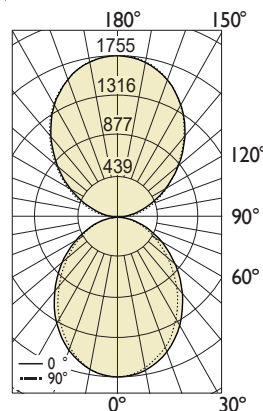
Zone	Lumens
0	
0-10	163
10-20	454
20-30	654
30-40	735
40-50	701
50-60	581
60-70	411
70-80	232
80-90	79
90	
90-100	148
100-110	310
110-120	486
120-130	647
130-140	755
140-150	771
150-160	669
160-170	454
170-180	160
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	17360	16626	15506
55	15444	14606	13344
65	13424	12519	11425
75	11450	10751	9963
85	9936	8862	8155

SOU spotless lens - Up
SOD spotless lens - Down

Uplight
1100 lm/ft
Downlight
1000 lm/ft


PHOTOMETRIC CURVE


Lumen/ft up: 1100 lm/ft
Lumen/ft down: 1000 lm/ft
Total Lumens: 8401 lm (for 4ft)
Input Watts: 67.1 W
Efficacy: 125 lm/W

IES FILE: TB2DILED-1100-1000-80-35-SO-SO-4.ies.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1735	1735	1735	1735	1735
5	1724	1721	1718	1717	1716
15	1635	1623	1606	1593	1589
25	1461	1440	1421	1409	1396
35	1225	1202	1184	1146	1133
45	958	952	918	873	856
55	691	690	654	612	597
65	443	444	413	386	377
75	231	231	217	205	201
85	68	65	60	56	55
90	6	12	19	26	30
95	65	85	97	104	110
105	233	250	272	289	299
115	455	464	473	486	495
125	719	719	713	713	720
135	996	992	984	976	980
145	1264	1263	1256	1247	1252
155	1491	1497	1490	1486	1491
165	1654	1659	1660	1660	1664
175	1737	1742	1746	1747	1747
180	1755	1755	1755	1755	1755

ZONAL LUMENS

Zone	Lumens
0	
0-10	163
10-20	454
20-30	654
30-40	735
40-50	701
50-60	581
60-70	411
70-80	232
80-90	72
90	
90-100	100
100-110	284
110-120	476
120-130	652
130-140	772
140-150	793
150-160	689
160-170	468
170-180	166
180	

LUMINANCE DATA (cd/m²)

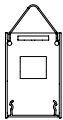
Vertical Angle	Horizontal Angles		
	0	45	90
45	17360	16626	15506
55	15444	14606	13344
65	13424	12519	11425
75	11450	10751	9963
85	9936	8862	8155

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

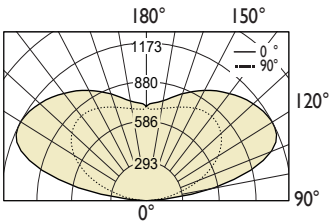
PHOTOMETRIC DATA

SL SurroundLite - Up

Uplight
1100 lm/ft
Downlight
0 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 0 lm/ft
Total Lumens: 4400 lm (for 4ft)
Input Watts: 41.5 W
Efficacy: 106 lm/W
IES FILE: TB2ILED-1100-80-35-SL-4.IES

TESTED ACCORDING TO IES LM-79-2008

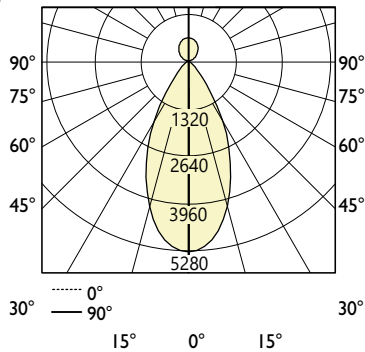
CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	4	2	3	3	3
95	68	124	155	175	154
105	331	408	564	790	876
115	583	645	785	1020	1162
125	744	800	901	1061	1154
135	812	857	933	1032	1083
145	811	842	907	967	993
155	765	787	841	880	894
165	712	728	768	785	792
175	681	692	723	725	726
180	700	700	700	700	700

ZONAL LUMENS

Zone	Lumens
90	
90-100	173
100-110	613
110-120	817
120-130	828
130-140	728
140-150	568
150-160	387
160-170	216
170-180	68
180	

● PHOTOMETRIC DATA

MikroLite - 4ft
400 lm/ft**PHOTOMETRIC CURVE**

Direct Output: 1000 lm/ft
Total Lumens: 5599 lm (for 4ft)
Input Watts: 50.1 W
Efficacy: 112 lm/W

IES FILE: TB2ML-4-SOU-400-MLB-4-1000-80-35.IES
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

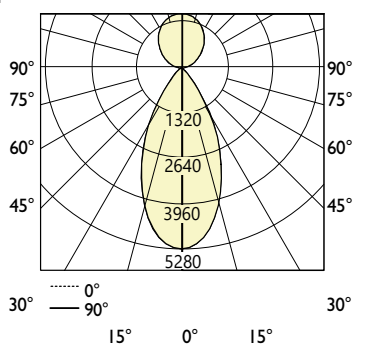
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	5280	5280	5280	5280	5280
5	5152	5150	5149	5150	5147
15	4155	4165	4169	4158	4142
25	2652	2654	2635	2650	2638
35	1099	1188	1300	1246	1144
45	326	338	393	349	335
55	1	4	12	4	0
65	0	0	0	0	0
75	0	0	0	0	0
85	1	1	1	1	1
90	0	1	0	0	0

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	9548	11483	9784
55	3578	2806	3725
65	32	573	0
75	0	0	0
85	0	0	0

MikroLite - 4ft
1000 lm/ft**PHOTOMETRIC CURVE**

Direct Output: 1000 lm/ft
Total Lumens: 7999 lm (for 4ft)
Input Watts: 64.6.1 W
Efficacy: 124 lm/W

IES FILE: TB2ML-4-SOU-1000-MLB-4-1000-80-35
 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	1	2	1	2	2

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	9548	11483	9784
55	3578	2806	3725
65	32	573	0
75	0	0	0
85	0	0	0