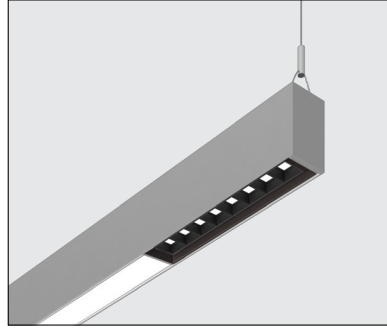


MikroLite optic shown



Combined distribution shown

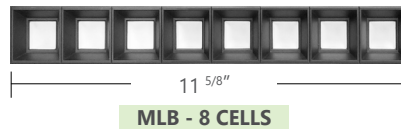
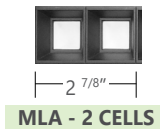
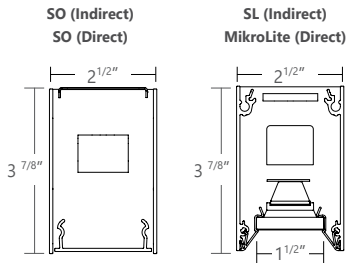
**Project** \_\_\_\_\_

**Type** \_\_\_\_\_

**Notes** \_\_\_\_\_

**A configuration drawing is required**

Factory is available for assistance  
See page 2 for example of how to specify



**Ordering Guide**

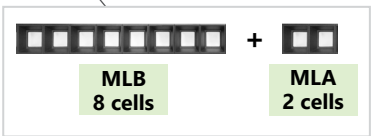
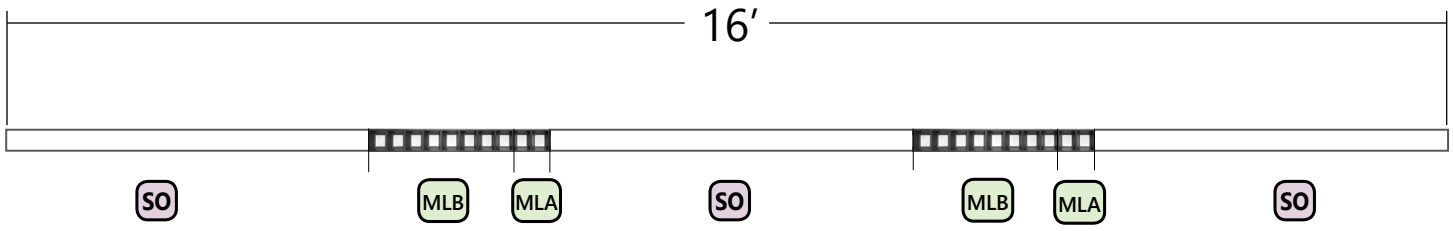
TB2ML		PRODUCT ID	TOTAL LENGTH	OPTIC - UP (OPT.)	NOM. LUMENS/FT UP (OPT.)	OPTIC - DOWN (OPT.)	NOM. LUMENS/FT DOWN (OPT.)
TB2ML	Beam 2 pendant	combined with MikroLite	6 6'	<b>SOU</b> spotless lens up	<b>400</b> 400 lm/ft-Min	<b>SOD</b> spotless lens down	<b>400</b> 400 lm/ft-Min
			8 8'	<b>SL</b> surroundlite	<b>1100</b> 1100 lm/ft-Max	<b>BL</b> blank	<b>1000</b> 1000 lm/ft-Max
			12 12'	<b>SLA</b> surroundlite asymmetric			
			S# System Run*	<b>0.25G</b> 0.25" Glo lens			
			*Lengths outside of list are possible in 1ft increments. Consult Factory.	Choose one optic to span the length of the fixture.	Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.	Choose only one of the options above	Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.

MikroLite MODULES Quantity	Mikrolite NOM. LUMENS/FT	OPTICS	MikroLite CELL FINISH	CRI	COLOR TEMP.	FINISH	VOLTAGE	DRIVER
<b>+MLA(#)</b> MikroLite module quantity - 2 cells	<b>200</b> 200 lm/ft - Min	<b>RG</b> regressed	<b>GR</b> grey	<b>80</b> 80 CRI	<b>27</b> 2700 K	<b>AP</b> aluminum paint	<b>120</b> 120 V	<b>DP</b> dimming (0-10V) 1%
<b>+MLB(#)</b> MikroLite module quantity - 8 cells	<b>1000</b> 1000 lm/ft - Max		<b>W</b> white	<b>90</b> 90 CRI	<b>30</b> 3000 K	<b>W</b> white	<b>277</b> 277 V	<b>LT</b> Lutron (1)
			<b>BLK</b> black		<b>35</b> 3500 K	<b>BLK</b> black	<b>347</b> 347 V	<b>BI</b> bi-level dimming
					<b>40</b> 4000 K	<b>C</b> custom	<b>UNV</b> universal	<b>O</b> other (2)
Minimum MikroLite length is 6" (2X 2 cells) increasing in increments of 3" (2 cells). Total module length cannot exceed total fixture length. Only available with 55 deg beam spread. ; Minimum fixture length 1' Total fixture length is length of MikroLite with face plates.		Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.	See page 4		<a href="#">Consult Axitune spec sheet for Axis color technology options</a>			(1) Specify system (2) Please consult factory; see page 4 <a href="#">Consult Axitune spec sheet for Axis color driver options</a>

CIRCUITS	MOUNTING/SUSPENSION	BATTERY (OPT.)	OTHER (OPT.)	IC CONTROLS (OPT.)	CUSTOM (OPT.)
<b>1</b> 1 circuit	<b>CA(#)</b> drywall+cable length (36" std.)	<b>B#</b> battery pack	<b>F</b> fuse (4)	<b>DS#</b> daylight sensor (5)	<b>C</b> custom
<b>2</b> 2 circuits	<b>CT9(#)</b> TB/TG 9/16+cable length (36" std.)			<b>OS#</b> occupancy sensor (5)	
<b>+E(#)</b> emergency section (3)	<b>CT15(#)</b> TB/TG15/16+cable length (36" std.)			<b>DOS#</b> daylight & occupancy sensor (5)	
<b>+NL(#)</b> night light section (3)	<b>CTS(#)</b> screw slot+cable length (36" std.)			<b>EN#</b> Enlighted integral (5)	
<b>+GTD(#)</b> generator transfer device (3)	<b>SA(#)</b> drywall+stem length >48" (18" std.)*			<b>ENR#</b> Enlighted remote (6)	
				<b>WC#</b> wireless control dimming	
Minimum 3 ft length. (3) Specify quantity	Specify length *For stem option, please consult factory.	5' minimum fixture length. Not available with 347V Please consult factory	(4) Requires 120V or 277V	(5) For flush option only; Please consult factory. (6) Please consult factory. Applies to both UP & DOWN. Specify quantity. Requires 7" blank. See integrated controls guide for more details.	Please specify

# How to Specify Combined Distributions

## Example for Optic up, Optic down and MikroLite™ down



1. Specify Total Length

16
TOTAL LENGTH

2. Specify Optic - Up

SOU
OPTIC - UP

3. Specify Optic - Down

SOD
OPTIC - DOWN

4. Specify MikroLite MODULES Quantity (Down)

MLB(2)+MLA(2)
MikroLite MODULES QUANTITY

● **LED SYSTEM**

<b>LED System</b>	Cluster of 4 LED in each MikroLite cell
<b>LED optical System</b>	Axis patent pending mixing chamber optic for high efficacy light control with deep square in square architectural downlight trim
<b>CRI</b>	Minimum 80 or 90 color rendering index
<b>CCT</b>	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3.0-step MacAdam ellipse).
<b>Tunable white</b>	Cluster of 4 LED 2 on each diagonal for pure colour mixing and no colour over angle effects in the space
<b>LED life</b>	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
<b>Thermal Management</b>	Aluminum housing acting as the heat sink to maximize life.

● **CONSTRUCTION**

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

● **ELECTRICAL**

<b>Lutron driver</b>	LDE1 - EcoSystem H-Series (1%) LDE5 - EcoSystem 5-Series (5%) LTE - Hi-Lume® A-series 2Wires Forward Phase (1%)
<b>Other drivers</b>	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex LV - line voltage - Advance Mark 10 Xitanium SR - For wireless sensor
<b>Emergency</b>	remote emergency battery pack or emergency circuit optional.
<b>Input Voltage</b>	120V, 277V, 347V, UNV.

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

● **WEIGHT**

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

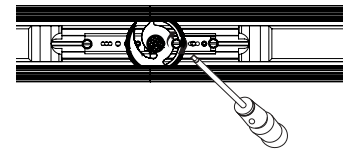
● **JOINERS**

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.



● **APPROVALS**

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

● **WARRANTY**

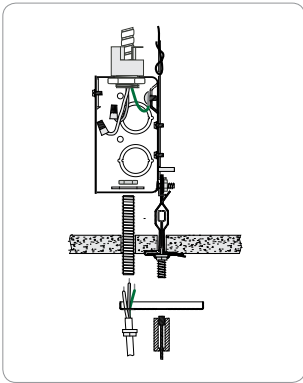
Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions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

● **SYSTEM (S#)**

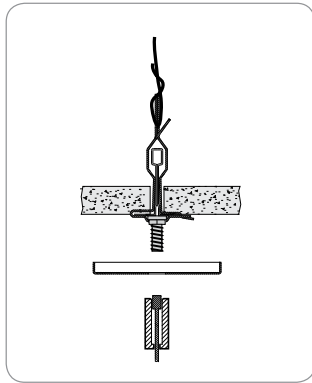
BEAM 2 MikroLite linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Lengths of 4', 8', 12' as well as custom lengths are available. Runs of BEAM 2 MikroLite that are greater than 12' in length are designated as systems (S#). This means 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](http://www.axislighting.com).

● **MOUNTING OPTIONS**

**CT TILE CEILING - ON GRID**

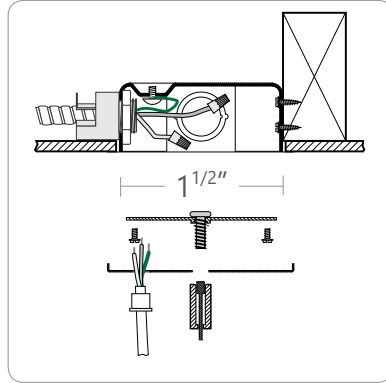


Power feed

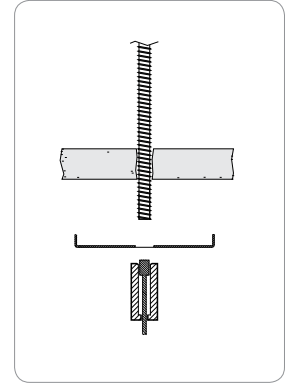


Non power feed

**CA DRYWALL CEILING**



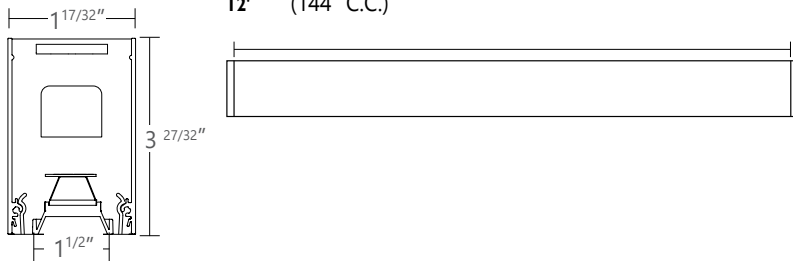
Power feed



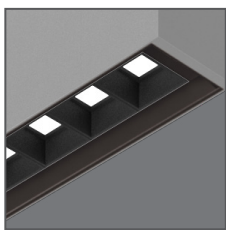
Non power feed

● **MOUNTING SPACING END TO END**

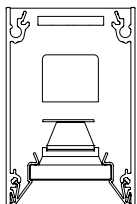
- 4' (48" C.C.)
- 8' (96" C.C.)
- 12' (144" C.C.)



● **OPTICS - MikroLite™ 1.5**

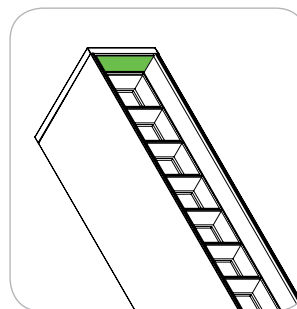


**RG - regressed**



● **FACE PLATES**

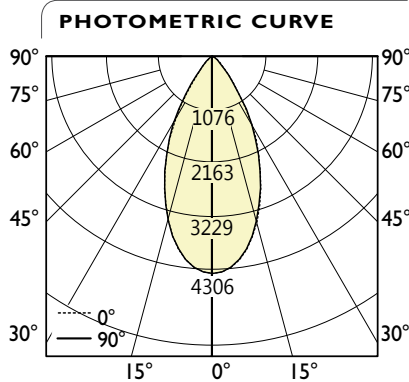
Face plates are used to complete MikroLite optical sections in BEAM 2 MikroLite 1.5 luminaires



Face plate for regressed MikroLite optical section

● **PHOTOMETRIC DATA**

**MikroLite - 3ft**  
**1000 lm/ft**



**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	

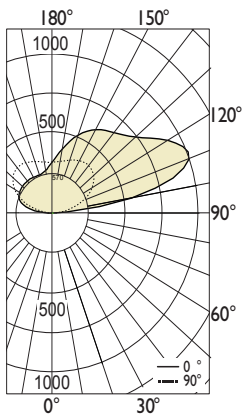
LUMINANCE DATA (cd/m²)			
Vertical Angle	Horizontal Angles		
	0	45	90
45	10571	12714	10833
55	3962	3107	4125
65	35	634	0
75	0	0	0
85	0	0	0

**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

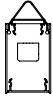
ZONAL LUMENS	
Zone	Lumens
90	
90-100	240
100-110	732
110-120	878
120-130	841
130-140	740
140-150	592
150-160	410
160-170	228
170-180	71
180	

**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)

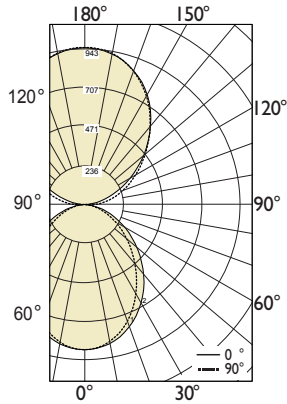
**● PHOTOMETRIC DATA**

**0.25G 0.25" Glo lens - Up**  
**SO spotless lens - Down**

**Uplight**  
**600 lm/ft**  
**Downlight**  
**500 lm/ft**



**PHOTOMETRIC CURVE**



**Lumen/ft up: 600 lm/ft**  
**Lumen/ft down: 500 lm/ft**  
**Total Lumens: 4418 lm (for 4ft)**  
**Input Watts: 39.6 W**  
**Efficacy: 112 lm/W**

IES FILE: TB2DILED-600-500-80-35-0.25G-SO-4.IES

TESTED ACCORDING TO IES LM-79-2008

**CANDELA DISTRIBUTION**

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	871	871	871	871	871
5	863	863	864	865	865
15	799	802	809	818	820
25	686	693	710	728	736
35	546	556	583	609	619
45	406	417	445	474	485
55	280	290	314	340	349
65	173	181	198	217	223
75	88	91	101	111	115
85	21	22	25	29	31
90	1	1	1	1	2
95	103	98	80	55	32
105	195	189	170	145	124
115	297	292	280	262	247
125	414	412	408	401	392
135	545	545	550	548	543
145	682	684	691	692	690
155	805	806	812	812	813
165	895	894	897	894	895
175	938	938	940	936	936
180	942	942	942	942	942

**ZONAL LUMENS**

Zone	Lumens
0	
0-10	82
10-20	228
20-30	327
30-40	364
40-50	344
50-60	282
60-70	198
70-80	108
80-90	31
90	
90-100	73
100-110	176
110-120	275
120-130	364
130-140	422
140-150	430
150-160	373
160-170	252
170-180	89
180	

**LUMINANCE DATA (cd/m²)**

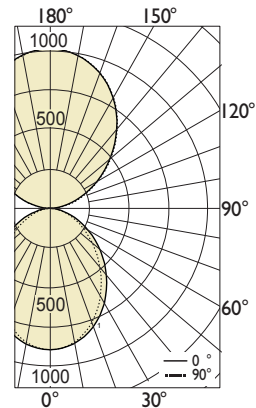
Vertical Angle	Horizontal Angles		
	0	45	90
45	9554	10484	11427
55	8130	9123	10148
65	6835	7817	8802
75	5645	6495	7389
85	4014	4817	5964

**SO spotless lens - Up**  
**SO spotless lens - Down**

**Uplight**  
**600 lm/ft**  
**Downlight**  
**500 lm/ft**



**PHOTOMETRIC CURVE**



**Lumen/ft up: 600 lm/ft**  
**Lumen/ft down: 500 lm/ft**  
**Total Lumens: 492 lm (for 4ft)**  
**Input Watts: 39.5 W**  
**Efficacy: 114 lm/W**

IES FILE: TB2DILED-600-500-80-35-SO-SO-4.IES

TESTED ACCORDING TO IES LM-79-2008

**CANDELA DISTRIBUTION**

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	883	883	883	883	883
5	875	875	876	877	877
15	810	813	820	827	829
25	696	703	718	734	740
35	554	564	588	610	619
45	412	423	448	474	483
55	284	294	316	340	348
65	176	183	200	217	222
75	89	93	102	112	114
85	21	23	26	29	31
90	1	1	1	1	1
95	48	47	46	43	38
105	154	154	151	145	142
115	277	276	278	276	273
125	420	421	421	423	421
135	574	575	576	577	575
145	724	725	727	727	727
155	853	853	854	854	854
165	944	944	944	945	944
175	990	989	989	989	990
180	994	994	994	994	994

**ZONAL LUMENS**

Zone	Lumens
0	
0-10	83
10-20	231
20-30	330
30-40	367
40-50	346
50-60	284
60-70	199
70-80	109
80-90	31
90	
90-100	50
100-110	159
110-120	274
120-130	377
130-140	444
140-150	454
150-160	393
160-170	266
170-180	94
180	

**LUMINANCE DATA (cd/m²)**

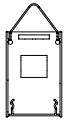
Vertical Angle	Horizontal Angles		
	0	45	90
45	7949	8655	9324
55	6771	7533	8275
65	5700	6459	7186
75	4701	5387	6025
85	3353	4011	4888

**i** All IES files for other lamping are available for download at: [www.axislighting.com](http://www.axislighting.com)

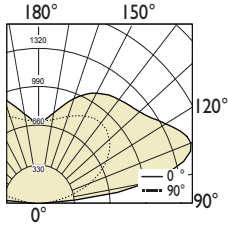
**● PHOTOMETRIC DATA**

**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: 4402 lm (for 4ft)**  
**Input Watts: 42.7 W**  
**Efficacy: 103 lm/W**

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

TESTED ACCORDING TO IES LM-79-2008

**CANDELA DISTRIBUTION**

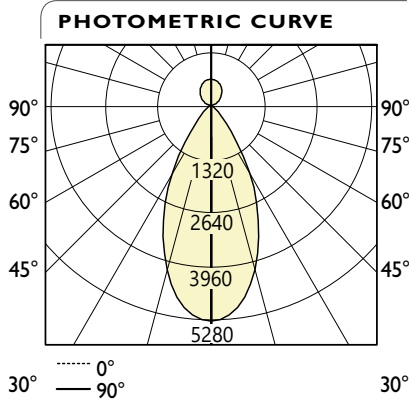
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	3	3	2	2	2
95	293	308	219	124	66
105	1221	1009	538	368	315
115	1276	1039	697	585	553
125	1119	997	815	737	706
135	1040	986	885	811	779
145	991	960	889	816	779
155	900	879	823	756	725
165	758	745	711	675	660
175	633	631	627	622	620
180	614	614	614	614	614

**ZONAL LUMENS**

Zone	Lumens
90	
90-100	250
100-110	688
110-120	799
120-130	775
130-140	693
140-150	555
150-160	378
160-170	203
170-180	61
180	

**PHOTOMETRIC DATA**

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



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

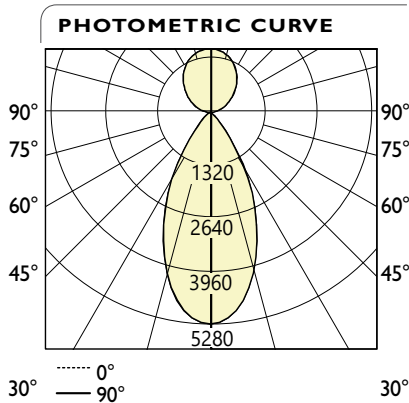
IES FILE: TB2ML-4-SOU-400-MLB-4-1000-80-35.IES  
TESTED ACCORDING TO IES LM-79-2008

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

LUMINANCE DATA (cd/m <sup>2</sup> )			
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**



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

LUMINANCE DATA (cd/m <sup>2</sup> )			
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

**i** All IES files for other lamping are available for download at: [www.axislighting.com](http://www.axislighting.com)