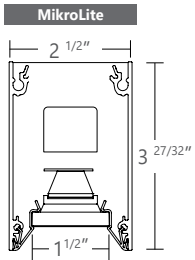


**Project** \_\_\_\_\_

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

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



**MikroLite™**



CONTROL SENSORS

**Ordering Guide**

TB2MLO		MikroLite MODULES Quantity		Mikrolite NOM. LUMENS/FT	OPTICS	Mikrolite CRI	Mikrolite COLOR TEMP	MikroLite CELL FINISH
<b>TB2MLO</b>	Beam 2 pendant direct with Mikrolite only	<b>+MLA(#)</b>	MikroLite module quantity - 2 cells	<b>200</b> 200 lm/ft - Minimum	<b>RG</b> regressed	<b>80</b> 80 CRI <b>90</b> 90 CRI	<b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>GR</b> grey <b>W</b> white <b>BLK</b> black
		<b>+MLB(#)</b>	MikroLite module quantity - 8 cells	<b>1000</b> 1000 lm/ft - Maximum				
		Minimum MikroLite length is 6" (2x2 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 3			

FINISH		VOLTAGE		DRIVER		CIRCUITS	
<b>AP</b>	aluminum paint	<b>120</b>	120 V	<b>DP</b>	dimming (0-10V) 1%	<b>1</b>	1 circuit
<b>W</b>	white	<b>277</b>	277 V	<b>LT</b>	Lutron <sup>(1)</sup>	<b>2</b>	2 circuits
<b>BLK</b>	black	<b>347</b>	347 V	<b>BI</b>	bi-level dimming	<b>+E(#)</b>	emergency section <sup>(3)</sup>
<b>C</b>	custom	<b>UNV</b>	universal	<b>O</b>	other <sup>(2)</sup>	<b>+NL(#)</b>	night light section <sup>(3)</sup>
				(1) Specify system (2) Please consult factory; see page 2		Minimum 3 ft length. (3) Specify quantity	

MOUNTING/SUSPENSION		BATTERY (OPTIONAL)		OTHER (OPT.)		IC CONTROLS (OPTIONAL)		CUSTOM (OPTIONAL)	
<b>CA(#)</b>	drywall+cable length (36" std.)	<b>B#</b>	battery pack	<b>F</b>	fuse <sup>(4)</sup>	<b>DS#</b>	daylight sensor <sup>(5)</sup>	<b>C</b>	custom
<b>CT9(#)</b>	TB/TG 9/16+cable length (36" std.)					<b>OS#</b>	occupancy sensor <sup>(5)</sup>		
<b>CT15(#)</b>	TB/TG15/16+cable length (36" std.)					<b>DOS#</b>	daylight & occupancy sensor <sup>(5)</sup>		
<b>CTS(#)</b>	screw slot+cable length (36" std.)					<b>EN#</b>	Enlighted integral <sup>(5)</sup>		
<b>SA(#)</b>	drywall+stem length >48" (18" std.)*					<b>ENR#</b>	Enlighted remote <sup>(6)</sup>		
<b>+SM</b>	seismic option					<b>WC#</b>	wireless control dimming		
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	

● **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 colour temperature with a great colour 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

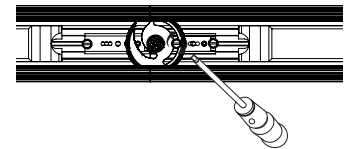
● **JOINERS**

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**

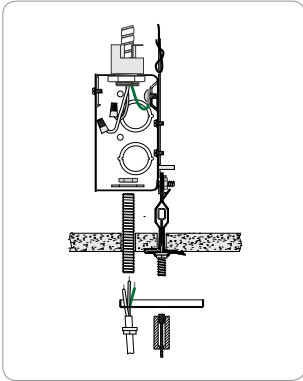
Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions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

● **SYSTEM (S#)**

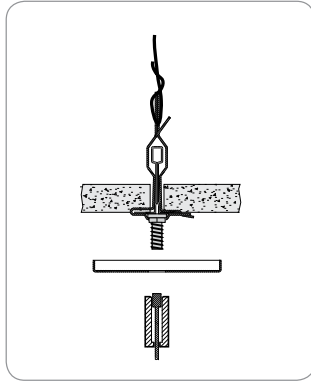
BEAM 2 MikroLite linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Lengths of 4', 8', 12' as well as custom lengths are available. Runs of BEAM 2 MikroLite that are greater than 12' in length are designated as systems (S#). This means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

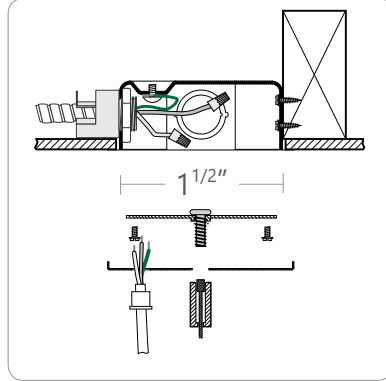


Power feed

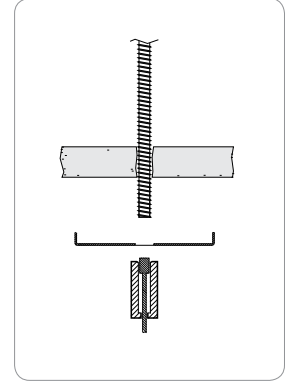


Non power feed

**CA DRYWALL CEILING**



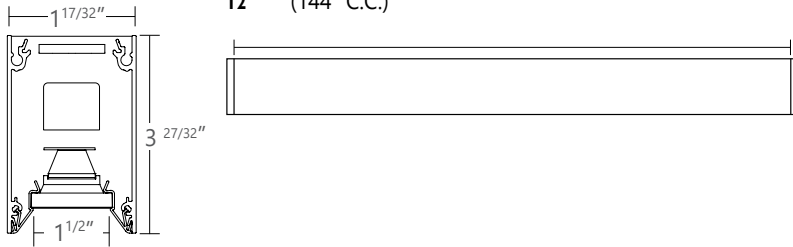
Power feed



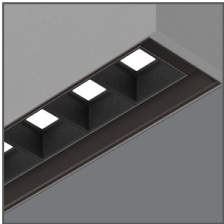
Non power feed

● **MOUNTING SPACING END TO END**

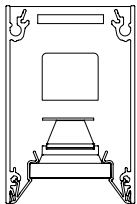
- 4' (48" C.C.)
- 8' (96" C.C.)
- 12' (144" C.C.)



● **OPTICS - MikroLite™ 1.5**

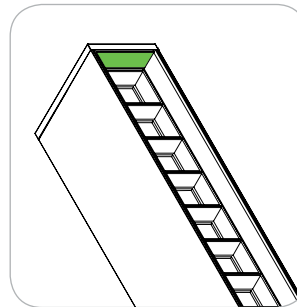


**RG - regressed**



● **FACE PLATES**

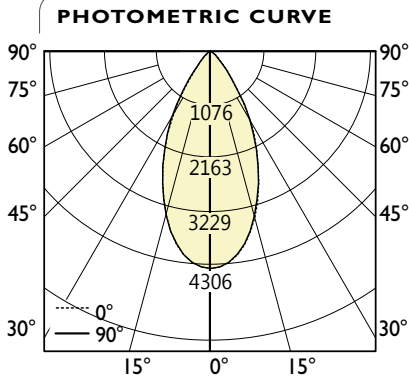
Face plates are used to complete MikroLite optical sections in BEAM 2 MikroLite 1.5 luminaires



**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**

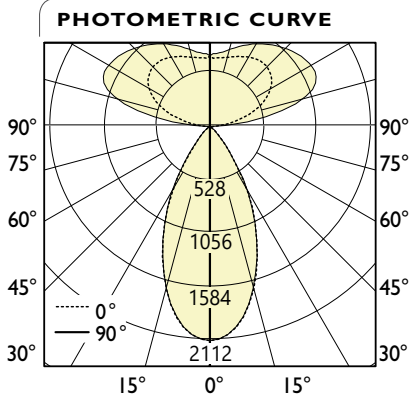
IES FILE: BEAM2-1000-90-MICROLIGHT-3-W-UNV-D-1  
TESTED ACCORDING TO IES LM-79-2008

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

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

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

**MikroLite - 4ft**  
**1100 lm/ft**



**Direct Output: 6000 lm/ft**  
**Total Lumens: 3262 lm (for 3ft)**  
**Input Watts: 57.18 W**  
**Efficacy: 105 lm/W**

IES FILE: TB2ML-4-SL-1100-MLB4-400-ST-80-35  
TESTED ACCORDING TO IES LM-79-2008

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2060.9	2059.9	2059.5	2059.8	2058.9
5	1662.2	1666.2	1667.6	1663.2	1657.0
15	1060.6	1061.5	1053.9	1060.1	1055.3
25	439.6	475.1	519.9	498.3	457.5
35	130.6	135.3	157.1	139.7	133.8
45	39.7	40.7	31.1	41.3	41.3
55	0.3	1.6	4.7	1.5	0.0
65	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0
85	3.7	2.2	2.6	3.0	2.8
90	0	1	0	0	0

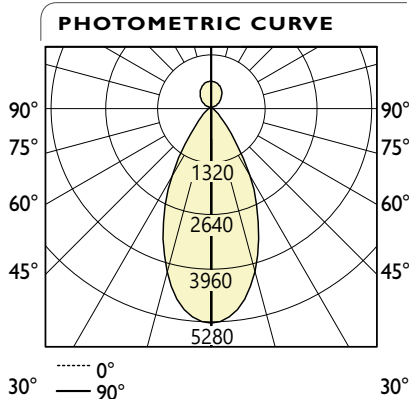
Zone	Lumens
	0
0-10	461
10-20	483
20-30	307
30-40	117
40-50	36
50-60	4
60-70	0
70-80	0
80-90	0
90	173

Vertical Angle	Horizontal Angles		
	0	45	90
45	3077	3700	3153
55	1153	904	1200
65	10	185	0
75	0	0	0
85	0	0	0

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

**● 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**

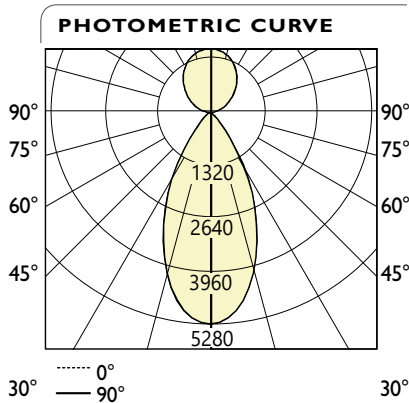
IES FILE: TB2ML-4-SOU-400-MLB-4-1000-80-35.IES  
TESTED ACCORDING TO IES LM-79-2008

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 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 are available for download at: [www.axislighting.com](http://www.axislighting.com)