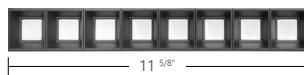


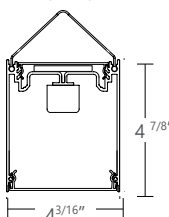
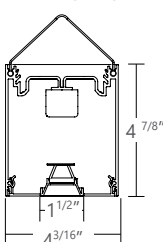
Combined distribution shown



MikroLite 8 cells shown (ML8)



MikroLite 2 cells shown (ML2)

SL (Indirect)
SO (Direct)SO (Indirect)
MikroLite (Direct)

Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT		INPUT WATTS	EFFICACY	SHIELDING I/D
UPLIGHT	DOWNLIGHT			
1200 lm/ft	1200 lm/ft	18.1 W/ft	132 lm/W	SO/SO
1200 lm/ft	1200 lm/ft	18.2 W/ft	132 lm/W	SL/SO
1200 lm/ft	1200 lm/ft	19.9 W/ft	120 lm/W	SLA/UB
1200 lm/ft	1200 lm/ft	18.8 W/ft	127 lm/W	0.25G/UB

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.

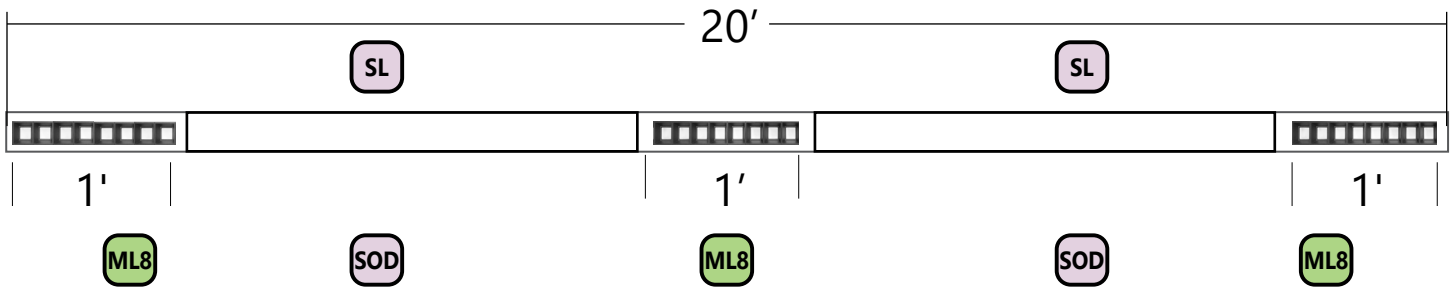
TB4ML													
PRODUCT ID		TOTAL LENGTH		OPTIC - UP		NOM. LUMENS/FT UP (OPT.)		OPTIC - DOWN		NOM. LUMENS/FT DOWN (OPT.)		BLANK (OPT.)	
TB4ML	Twin Beam 4 pendant combined with Mikrolite	2	2'	SOU	spotless lens up	400	400 lm/ft-Min	SOD	spotless lens down	400	400 lm/ft-Min	BL(#)	Blank
		3	3'	SL	surroundlite	1200	1200 lm/ft-Max	UB	ultra blend lens*	1200	1200 lm/ft-Max		
		4	4'	SLA	surroundlite asymmetric			NO	no lens				
		5	5'	0.25G	0.25" Glo lens								
		8	8'	NO	no lens								
		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"	
		*Lengths outside of list are possible in 1ft increments. Consult factory.											

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 paint	120	120 V	
+ML8(#)	8 cell (1')	1000	1000 lm/ft - Max	D55	55 deg (std.)*	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 on 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(#) Enlited integral* ENR(#) Enlited remote**	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 MikroLite MODULE QUANTITY

ML8(#3)
MikroLite MODULE & QTY(#)

● 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	Extruded acrylic
Hanger	Die cast aluminum
Suspension	Aircraft cable with fixed mounting point
Cable Grips	Quick connecting / release
MikroLite Heat Sink	Extruded aluminum

● 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) LTTW - Lutron T-Series Tunable White
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.
Flex Whip	Shipped in a separate box for contractors to install

*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

● 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 in operating ambient temperatures of 0-40°C (32-104°F).

● WARRANTY

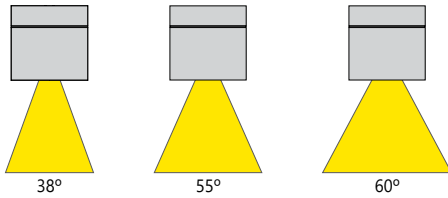
Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions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

● APPROVALS

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



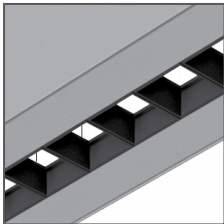
● BEAM SPREADS



● SYSTEM (S#)

BEAM 4 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 4 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.

● SHIELDING - MikroLite™ 1.5



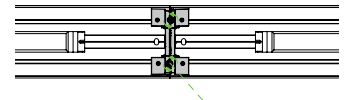
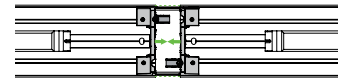
MikroLite™

● JOINERS

BEAM 4 MikroLite™ 1.5 luminaires feature the joining mechanism shown below. This mechanism joins and aligns multiple luminaires to create long continuous runs of light.

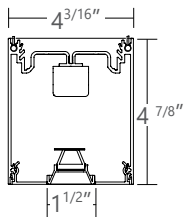
NOTE: Mount each system segment individually.
Do not assemble system prior to mounting

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



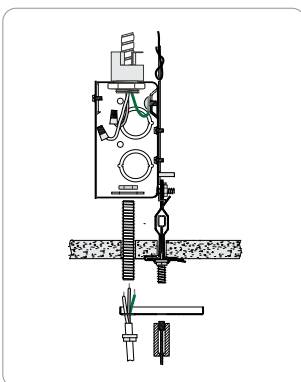
● MOUNTING SPACING END TO END

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

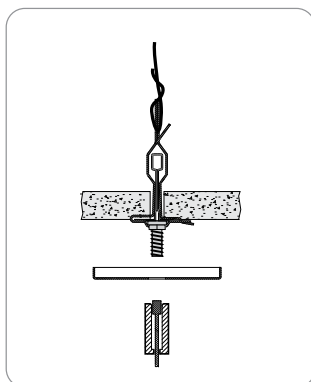


● MOUNTING OPTIONS

CT TILE CEILING - ON GRID

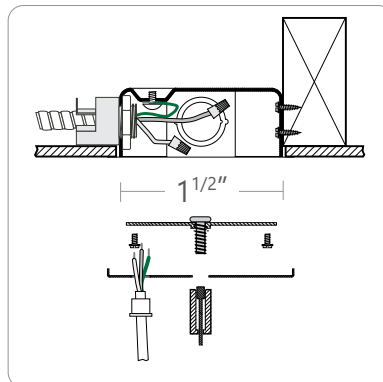


Power feed

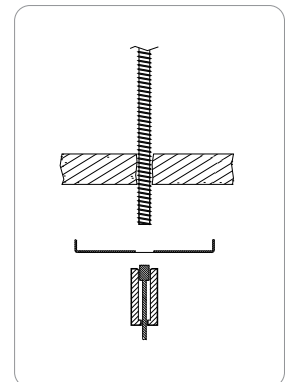


Non power feed

CA DRYWALL CEILING



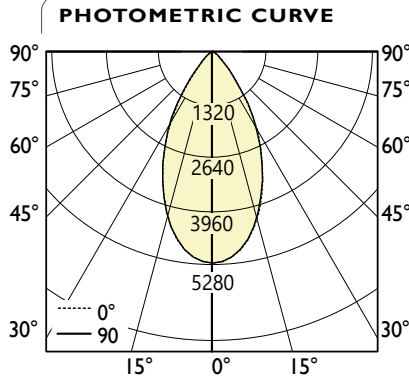
Power feed



Non power feed

● **PHOTOMETRIC DATA**

MikroLite - 4ft
1000 lm/ft



Direct Output: 1000 lm/ft
Total Lumens: 4000 lm (for 4ft)
Input Watts: 39.2 W
Efficacy: 102 lm/W

IES FILE: TB4ML-4-MLB4-1000-80-35
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	0	1	0	0	0

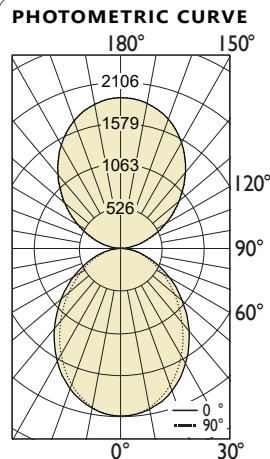
ZONAL LUMENS

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

SO Spotless Lens - Up
SO Spotless Lens - Down
Uplight
1200 lm/ft
Downlight
1200 lm/ft



Lumen/ft up: 1200 lm/ft
Lumen/ft down: 1200 lm/ft
Total Lumens: 9601 lm (for 4ft)
Input Watts: 72.5 W
Efficacy: 132 lm/W

IES FILE: TB4DILED-1200-1200-80-35-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	2106	2106	2106	2106	2106
5	2096	2093	2091	2089	2088
15	1989	1983	1969	1953	1945
25	1781	1767	1737	1702	1686
35	1495	1478	1434	1386	1364
45	1171	1155	1108	1056	1033
55	845	833	793	748	730
65	542	536	509	478	465
75	283	283	272	258	252
85	84	85	84	80	79
90	5	4	4	3	4
95	82	86	91	92	101
105	279	284	294	300	311
115	535	538	545	548	559
125	823	825	828	829	840
135	1122	1121	1121	1120	1131
145	1405	1403	1403	1397	1406
155	1642	1640	1635	1633	1639
165	1801	1799	1801	1799	1802
175	1885	1883	1883	1883	1885
180	1891	1891	1891	1891	1891

ZONAL LUMENS

Zone	Lumens
0	
0-10	198
10-20	551
20-30	791
30-40	884
40-50	838
50-60	692
60-70	488
70-80	275
80-90	84
90	
90-100	93
100-110	302
110-120	527
120-130	728
130-140	853
140-150	867
150-160	747
160-170	505
170-180	178
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	13867	13117	12235
55	12338	11567	10649
65	10740	10085	9212
75	9146	8792	8142
85	8065	8042	7592

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

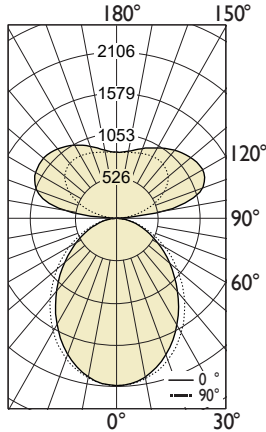
● PHOTOMETRIC DATA

SL Surroundlite Lens - Up
SOD Spotless Lens - Down

Uplight
1200 lm/ft
Downlight
1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1200 lm/ft
Lumen/ft down: 1200 lm/ft
Total Lumens: 9601 lm (for 4ft)
Input Watts: 72.7 W
Efficacy: 132 lm/W

IES FILE: TB4DILED-1200-1200-80-35-SL-SO-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2106	2106	2106	2106	2106
5	2096	2093	2091	2089	2088
15	1989	1983	1969	1953	1945
25	1781	1767	1737	1702	1686
35	1495	1478	1434	1386	1364
45	1171	1155	1108	1056	1033
55	845	833	793	748	730
65	542	536	509	478	465
75	283	283	272	258	252
85	84	85	84	80	79
90	4	4	5	5	6
95	80	154	219	220	155
105	341	427	629	890	1007
115	603	674	837	1091	1226
125	791	832	957	1135	1234
135	884	914	999	1114	1169
145	908	927	982	1047	1076
155	888	898	934	967	980
165	856	859	872	888	892
175	836	835	835	838	837
180	834	834	834	834	834

ZONAL LUMENS

Zone	Lumens
0	
0-10	198
10-20	551
20-30	791
30-40	884
40-50	838
50-60	692
60-70	488
70-80	275
80-90	84
90	
90-100	225
100-110	667
110-120	850
120-130	875
130-140	787
140-150	627
150-160	438
160-170	251
170-180	81
180	

LUMINANCE DATA (cd/m²)

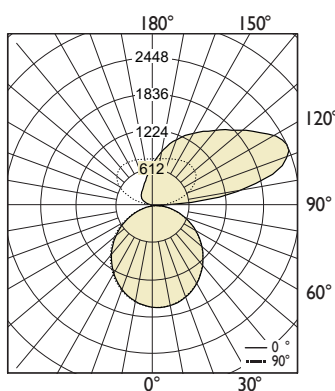
Vertical Angle	Horizontal Angles		
	0	45	90
45	19292	18249	17021
55	17165	16093	14815
65	14941	14030	12816
75	12724	12231	11327
85	11221	11189	10562

SLA Asymmetric Lens - Up
UB Ultra blend Lens - Down

Uplight
1200 lm/ft
Downlight
1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1200 lm/ft
Lumen/ft down: 1200 lm/ft
Total Lumens: 9556 lm (for 4ft)
Input Watts: 79.4 W
Efficacy: 120 lm/W

IES FILE: TB4DILED-1200-1200-80-35-SLA-UB-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1724	1724	1724	1724	1724
5	1718	1719	1721	1721	1721
15	1651	1655	1659	1659	1659
25	1522	1528	1532	1532	1530
35	1338	1346	1350	1349	1347
45	1116	1125	1128	1125	1123
55	864	874	877	874	872
65	594	604	609	608	606
75	327	338	345	346	346
85	102	109	115	116	116
90	5	4	3	2	2
95	80	240	428	600	602
105	376	656	1170	1814	2048
115	650	931	1409	2103	2448
125	823	1093	1451	1913	2153
135	892	1153	1406	1683	1808
145	892	1125	1317	1479	1540
155	858	1043	1193	1295	1331
165	821	936	1035	1100	1126
175	797	834	869	892	899
180	794	794	794	794	794

ZONAL LUMENS

Zone	Lumens
0	
0-10	163
10-20	464
20-30	695
30-40	827
40-50	846
50-60	754
60-70	569
70-80	335
80-90	104
90	
90-100	244
100-110	742
110-120	916
120-130	871
130-140	739
140-150	575
150-160	402
160-170	234
170-180	76
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	18379	18587	18490
55	17539	17812	17696
65	16370	16784	16703
75	14723	15537	15558
85	13675	15333	15488

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

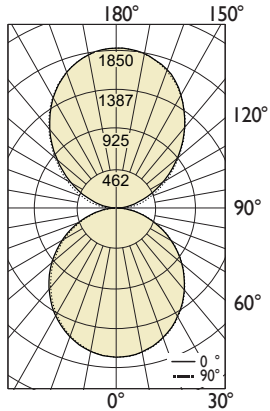
● **PHOTOMETRIC DATA**

0.25G 0.25 Glo Lens - **Up**
UB Ultra blend Lens - **Down**

Uplight
1200 lm/ft
Downlight
1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1200 lm/ft
Lumen/ft down: 1200 lm/ft
Total Lumens: 9564 lm (for 4ft)
Input Watts: 75.3 W
Efficacy: 127 lm/W

IES FILE: TB4DILED-1200-1200-80-35-0.25G-UB-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1724	1724	1724	1724	1724
5	1718	1719	1721	1721	1721
15	1651	1655	1659	1659	1659
25	1522	1528	1532	1532	1530
35	1338	1346	1350	1349	1347
45	1116	1125	1128	1125	1123
55	864	874	877	874	872
65	594	604	609	608	606
75	327	338	345	346	346
85	102	109	115	116	116
90	14	33	61	88	98
95	85	108	140	169	181
105	272	292	323	352	364
115	517	536	552	570	577
125	799	812	823	831	825
135	1094	1102	1110	1116	1104
145	1375	1381	1396	1388	1379
155	1623	1625	1619	1610	1608
165	1765	1771	1768	1765	1765
175	1843	1843	1843	1843	1842
180	1850	1850	1850	1850	1850

ZONAL LUMENS

Zone	Lumens
0	
0-10	163
10-20	464
20-30	695
30-40	827
40-50	846
50-60	754
60-70	569
70-80	335
80-90	111
90	
90-100	142
100-110	327
110-120	529
120-130	713
130-140	835
140-150	850
150-160	734
160-170	495
170-180	175
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	13211	13360	13290
55	12607	12803	12720
65	11766	12064	12006
75	10583	11168	11183
85	9829	11021	11133

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