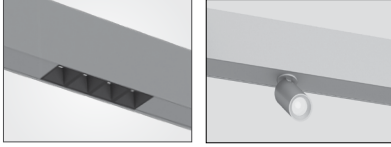
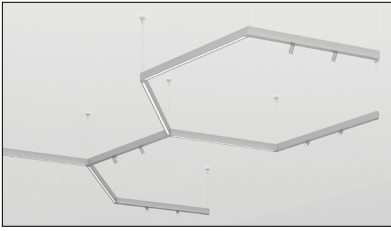


# Stencil® Pendant

## PENDANT FORMS - COMBINED DISTRIBUTIONS

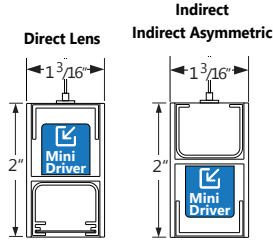


MikroLite 1.0 shown

Accent regular shown



Use **STENCIL SOFTZONE** spec sheet ordering code to specify Stencil with **SOFTZONE PANELS**.



See page 6 for Accent section views

Project \_\_\_\_\_

Type \_\_\_\_\_

Notes \_\_\_\_\_

### PRODUCT DIRECTORY

**NOTE:** For Hub End Caps, In-line hubs, Blank, Indirect or Accent segments please refer to the product directory code directory below.

PRODUCT ID	END CAPS								DISTRIBUTIONS				JOINING	
	HUB	FLAT	FLUSH	MICRO LOUVER	INDIRECT SURROUND/LITE	INDIRECT/INDIRECT ASYM.	MIKROLITE	ACCENTS	NO DIRECT	NO INDIRECT	IN-LINE HUB	CONTINUOUS RUN		
STD <sup>(1)</sup>														
STI <sup>(2)</sup>														
STCO <sup>(3)</sup>														
STFC <sup>(4)</sup>														
STLDI <sup>(5)</sup>														
STFDI <sup>(6)</sup>														

- <sup>(1)</sup> Stencil Pendant Direct LED Linear.
- <sup>(2)</sup> Stencil Pendant Indirect/ Indirect Asymmetric LED Linear.
- <sup>(3)</sup> Stencil Pendant LED Combined Distribution Linear.
- <sup>(4)</sup> Stencil Pendant Combined Forms.
- <sup>(5)</sup> Stencil Pendant Surroundlite Linear Direct / Indirect.
- <sup>(6)</sup> Stencil Pendant Surroundlite Forms Direct / Indirect.



**A configuration drawing is required**

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

## Ordering Guide

STFC		TOTAL LENGTH & NOM. LUMENS/FT - INDIRECT				TOTAL LENGTH & NOM. LUMENS/FT - DIRECT				TOTAL LENGTH - BLANK (OPT.)			
<b>PRODUCT ID</b>	<b>STFC</b> Stencil Pendant Combined Forms	<b>+SLI(length, lumen)</b> SurroundLite indirect	<b>175</b> 175 lm/ft	<b>+SLIA(length, lumen)</b> SurroundLite indirect asy. NI no indirect	<b>250</b> 250 lm/ft	<b>+DSO(length, lumen)</b> direct spotless lens	<b>200</b> 200 lm/ft	<b>+DMLBK(length, lumen)</b> direct micro louver black*	<b>300</b> 300 lm/ft	<b>+DMLG(length, lumen)</b> direct micro louver grey*	<b>400</b> 400 lm/ft	<b>SO lens option only</b>	<b>BK(L)</b> blank
			<b>350</b> 350 lm/ft			<b>ND</b> no direct	<b>150</b> 150 lm/ft					<b>micro louver option only</b>	
			<b>500</b> 500 lm/ft				<b>225</b> 225 lm/ft						
			<b>700</b> 700 lm/ft				<b>300</b> 300 lm/ft						
			<b>1000</b> 1000 lm/ft				<b>450</b> 450 lm/ft						
							<b>600</b> 600 lm/ft						
Lit segments are available in 1" increments. Segment length from 2' to 8' continuous.				Lit segments are available in 1" increments. Segment length from 2' to 8' continuous.				Available in any length; min 7", max 8'.					
				* Micro louver recommended at outputs over 500 lm/ft. Louver comes in grey finish only.									

HUB QUANTITY		HUB QUANTITY (OPT.)		CRI	COLOR TEMP.	FINISH	VOLTAGE
SERIES A	SERIES B	SERIES S					
<b>AL(#)</b> L Hub (90°)	<b>BT(#)</b> Triangle Hub (60°)	<b>SLH(#)</b> L Hub Horizontal (90°)	<b>80</b> 80 CRI	<b>27</b> 2700 K	<b>AP</b> aluminum paint	<b>120</b> 120 V	
<b>+AT(#)</b> T Hub (90°)	<b>+BX(#)</b> X Hub (120°)	<b>SLV(#)</b> L Hub Vertical (90°)	<b>90</b> 90 CRI	<b>30</b> 3000 K	<b>W</b> white	<b>277</b> 277 V	
<b>+AX(#)</b> X Hub (90°)	<b>+BH(#)</b> Hex Hub (120°)			<b>35</b> 3500 K	<b>BLK</b> black	<b>347</b> 347 V*	
<b>+AY(#)</b> Y Hub (120°)	<b>+BYN(#)</b> Negative Y Hub (60°/120°)			<b>40</b> 4000 K	<b>C</b> custom	<b>UNV</b> universal	
<b>+AYB(#)</b> Y Hub (135°)	<b>+BYP(#)</b> Positive Y Hub (120°/60°)					<b>DC</b> low voltage**	
<b>+AH(#)</b> Hex Hub (120°)							
<b>+AG(#)</b> Octagon Hub (135°)							
<b>+AI(#)</b> Inline Hub (180°)							
Consult factory for compatibility when mixing series A & B.		Compatible with both hub series A & B See pages 4-5 for more details		Applies to both Up and Down	Applies to both Up and Down	* Consult factory ** Only available with POE drivers.	

DRIVER	CIRCUITS	MOUNTING/SUSPENSION	CANOPY	BATTERY - REMOTE (OPT.)	CUSTOM (OPT.)
<b>DP</b> integral driver 0-10V dimming (1%)*	<b>1</b> 1 circuit	<b>CA(#)</b> drywall+cable length (36" std.)	<b>RC</b> round canopy	<b>B(#)</b> remote battery pack	<b>C</b> custom
<b>POE(#)</b> POE drivers**	<b>2</b> 2 circuits	<b>CT9(#)</b> TB/TG 9/16+cable length (36" std.)	<b>SC</b> square canopy		
	<b>3</b> 3 circuits	<b>CT15(#)</b> TB/TG15/16+cable length (36" std.)			
	<b>+E(#)</b> emergency circuit *	<b>CTS(#)</b> screw slot+cable length (36" std.)			
	<b>+NL(#)</b> night light circuit	<b>CASL(#)</b> drywall cable sloped ceiling			
		<b>SASL(#)</b> drywall stem sloped ceiling			
* Only integral 0-10V DP driver available	* Specify quantity	See <a href="#">Mounting kit guide for full specification code.</a> Specify length	White canopy standard	Remote only Not available with 347V Please consult factory	Please specify
** Specify system					

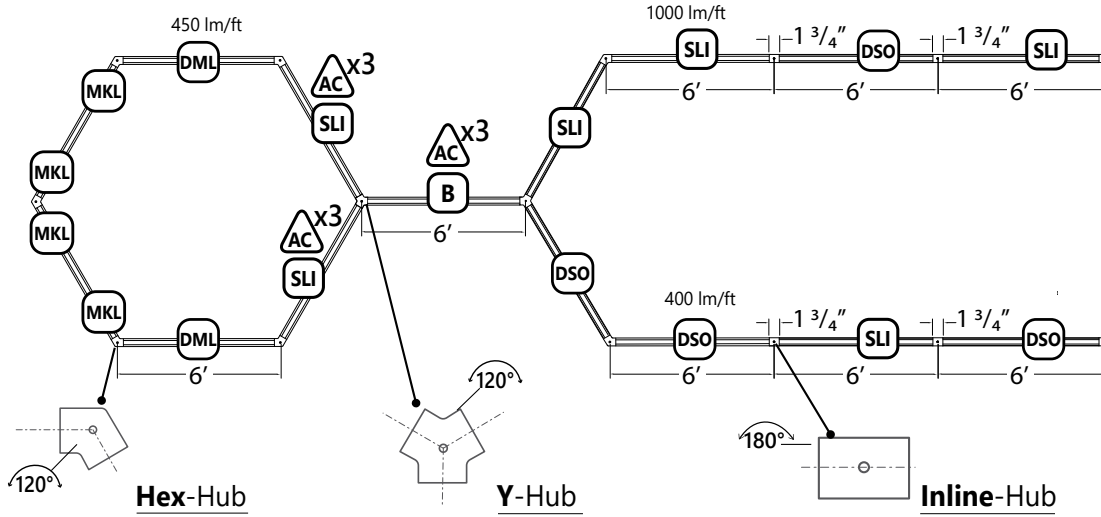
### Ordering Guide - MikroLite and Accent (Optional) \* For Accent only, specify the total blank length. Specify ND for total direct & NI for total indirect length.

MKL (#, Beam Angle, Finish)			AC (#, Option, Beam, Finish)				
MIKROLITE MODULE QTY	BEAM ANGLES	CELL FINISH	ACCENT QUANTITY		ACCENT OPTION	BEAM	ACCENT FINISH
# MikroLite module quantity	<b>MKL35</b> 35 deg <b>MKL20</b> 20deg	<b>GR</b> gray <b>BLK</b> black	# accent quantity		<b>R</b> regular	<b>AC20</b> 20 deg <b>AC35</b> 35 deg	<b>AP</b> aluminum paint <b>W</b> white <b>BLK</b> black
1 module contains 4 MikroLites; Module length is 4". Minimum length for MikroLite option is 3". Minimum distance from edge 3". 500 lm/module See page 6 for more information.			500 lumens per accent with 0-10 dimming (1%) Only 1 accent per 2ft segments* For segments* over 2ft, min. spacing between accents is 4" *A segment is the linear space between 2 hubs. See page 6 for more information.		See page 6 for more information. Not available on Hub.		

# How to Specify Total Linear Length, Distributions & Hubs

## Example

DSO Direct lens   
 DMLG Direct louver grey   
 SLI SurroundLite Indirect   
 SLIA SurroundLite Indirect Asymmetric   
 MKL MikroLite   
 B Blank   
 AC Accent



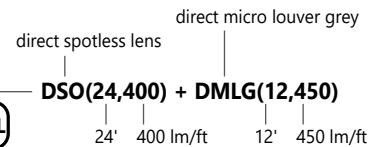
1. Specify Total Length - Indirect

**SLI(36,1000)**  
 TOTAL LENGTH\* & NOM. LUMENS/FT - INDIRECT SURROUNDLITE



2. Specify Total Length - Direct

**DSO(24,400)+DMLG(12,450)**  
 TOTAL LENGTH\* & NOM. LUMENS/FT - DIRECT



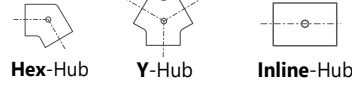
3. Specify Total Length - Blank

**BK(6)**  
 TOTAL LENGTH\*\* - BLANK



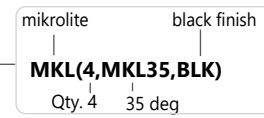
4. Specify Hub Quantity

**AH(7)+AY(2)+AI(4)**  
 HUB QTY\*\*\*



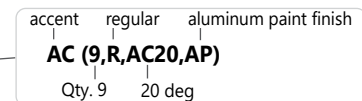
5. Specify MikroLite Module (if necessary)

**MKL(4,MKL35,BLK)**  
 MIKROLITE (OPT.)



6. Specify Accent Quantity (if necessary)

**AC (9,R,AC20,AP)**  
 ACCENT (OPT.)



- Accent provided on blank section by default (min length 2').  
 - Also compatible with indirect segments (min length 4').

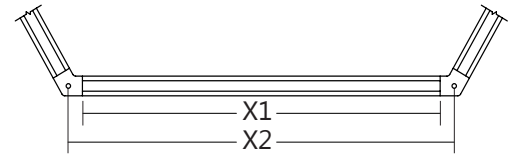
\*Segment length from 2' to 8' continuous in one foot increments. Specify total linear length of each distribution.

\*\*Blank segments: available in any length; min 7", max 8'.

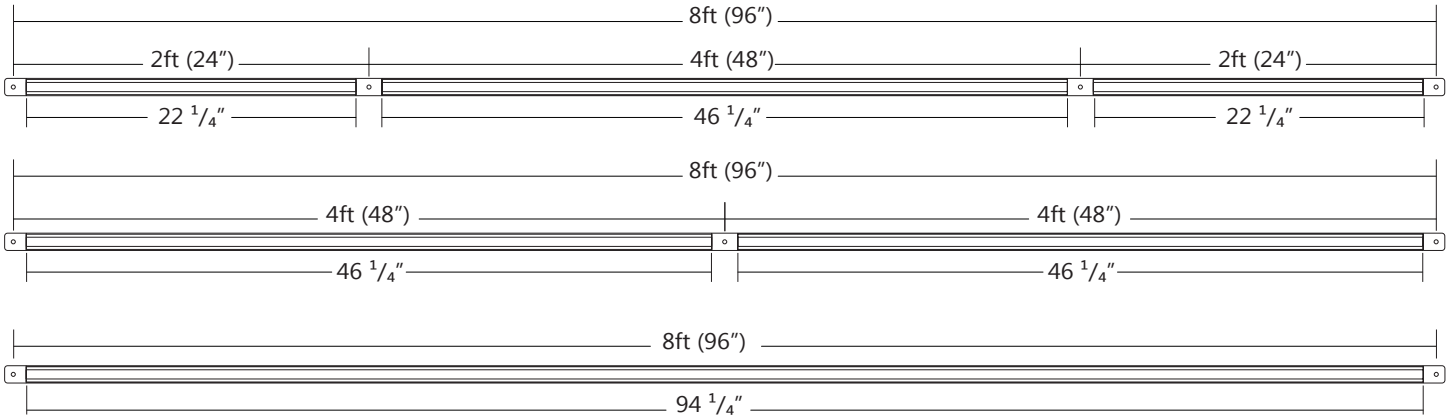
\*\*\*Specify total quantity of Hubs.

### ● SEGMENT LENGTHS AND MOUNTING POINTS

Segment length X1			Mounting points X2			
			A Hubs		B Hubs	
Feet	Inches	mm	Inches	mm	Inches	mm
2	22.250	565	24.000	610	25.125	640
3	35.125	895	36.875	940	35.125	890
4	46.250	1175	48.000	1220	46.250	1175
5	57.375	1460	59.125	1500	57.375	1455
6	70.250	1785	72.000	1830	70.250	1785
7	81.375	2065	83.125	2110	81.375	2065
8	94.250	2395	96.000	2440	94.250	2395

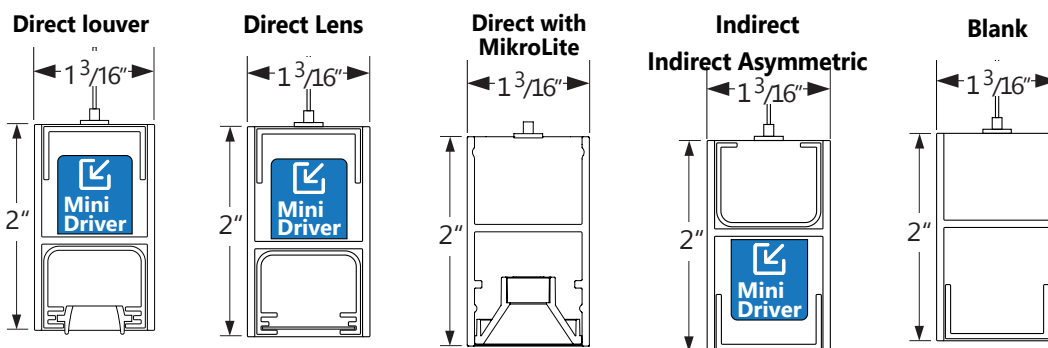


**X1 - Segment length**  
**X2 - Mounting points**



**i** Segment length from 2' to 8' continuous.  
Lengths above 8' will require Inline Hub.  
Available in 1' increments.

### ● SECTION VIEWS



### ● HUB SERIES A

Patent-pending system combining mechanical, electrical and suspension functions. Non-illuminated lighting segment connectors:

L-Hub (90°), T-Hub (90°), X-Hub (90°), Y-Hub (120°), Hex-Hub (120°), Inline-Hub (180°), Octagon-Hub (135°) and Y-Hub (90°/135°).

L-Hub	T-Hub	X-Hub	Y-Hub-120	Hex-Hub	Inline -Hub
<p>90°</p>	<p>90°</p>	<p>90°</p>	<p>120°</p>	<p>120°</p>	<p>180°</p>
Octagon-Hub	Y-Hub-135				
<p>135°</p>	<p>135°</p>				

### ● HUB SERIES B

Patent-pending system combining mechanical, electrical and suspension functions. Non-illuminated lighting segment connectors:

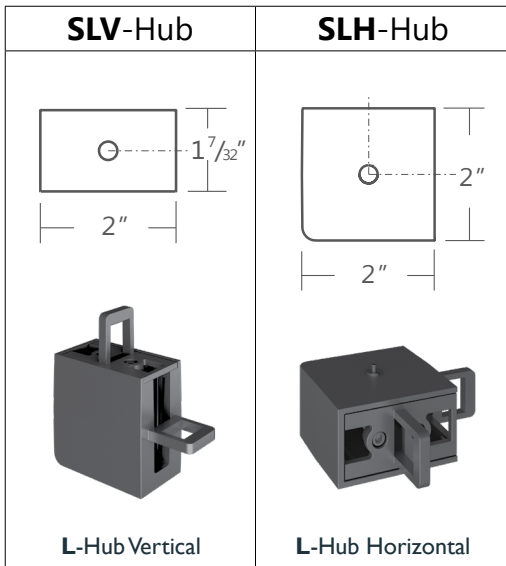
Positive-Y-Hub (120°/60°), Negative-Y-Hub (60°/120°), X-Hub (60°/120°), Hex-Hub (120°), and Triangle-Hub (60°).

Positive-Y-Hub	Negative-Y-Hub	X-Hub-120	Hex-Hub	Triangle-Hub
<p>60°</p> <p>120°</p>	<p>60°</p> <p>120°</p>	<p>60°</p> <p>120°</p>	<p>120°</p>	<p>60°</p>

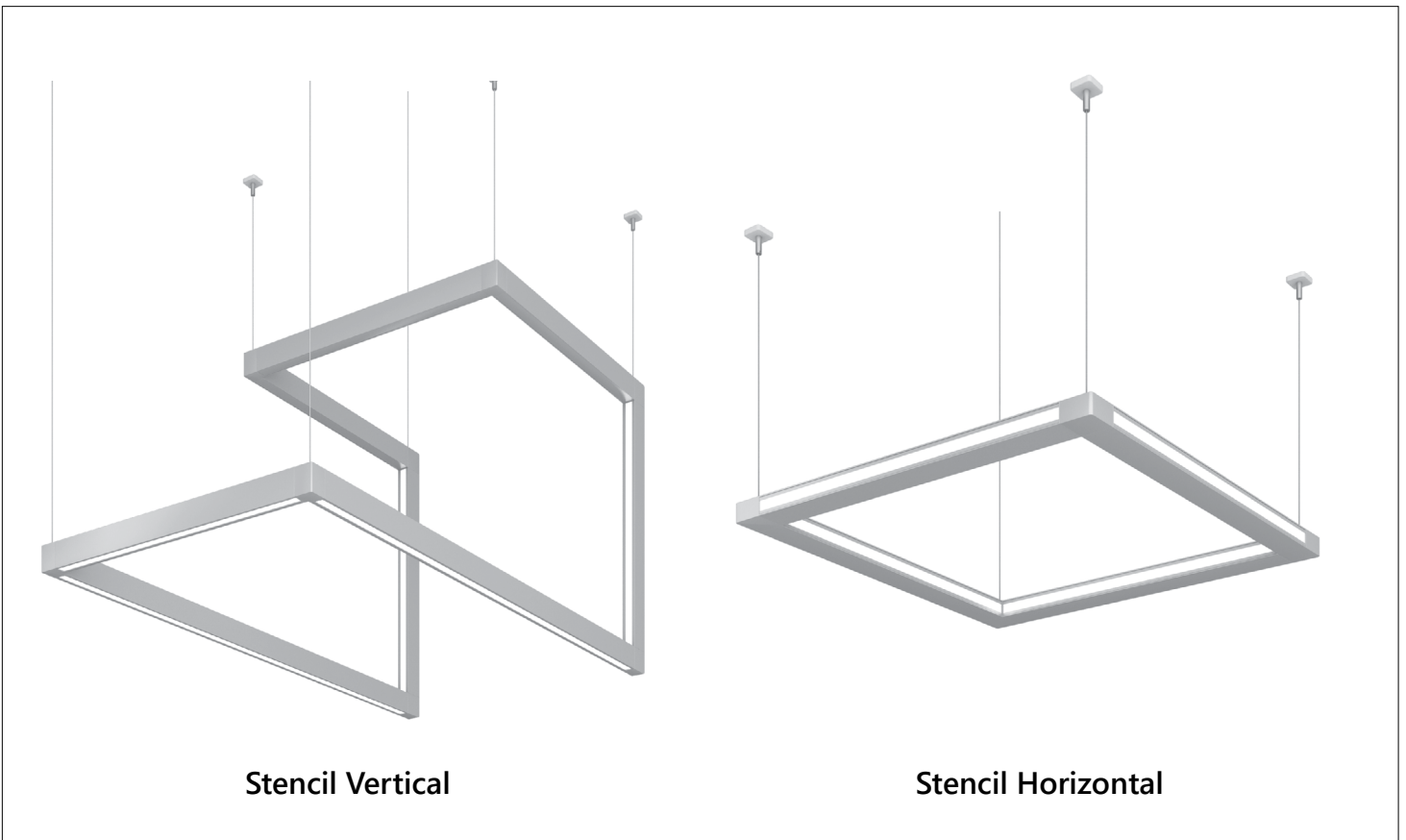
### ● HUB SERIES S

Patent-pending system combining mechanical, electrical and suspension functions. Non-illuminated lighting segment connectors:

L-Hub Vertical (90°) and L-Hub Horizontal (90°).



### Stencil Spatial Images



**i** For **Hub series S** please provide top view as well as 3D view with light direction.

### ● LED SYSTEM

<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>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.
<b>Performance</b>	Up to 101 lm/W.

### ● CONSTRUCTION

<b>Housing</b>	Extruded aluminum (0.070" nominal)
<b>End Cap+Joiner</b>	Die cast aluminum
<b>Reflectors</b>	Extruded acrylic
<b>Suspension Cable Grips</b>	1 mm Aircraft Cable Quick Connecting / Release

### ● ELECTRICAL

**DP driver** STENCIL features integral driver technology. 0-10V 1% dimming standard. The integral driver is the only driver available.

**Power over Ethernet POE drivers\***  
(consult factory for more information)  
UL2108 certified for integral or remote driver  
**Emergency** Remote emergency battery pack or emergency circuit optional.

**MOLEX**  
**IGOR**  
**SMARTENGINE**  
**O - Other (Consult factory)**

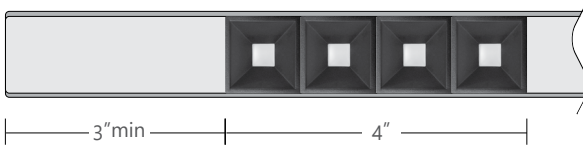
**Input Voltage** 120V, 277V, UNV, 347V

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

### ● 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.

### ● STENCIL PENDANT WITH MIKROLITE 1.0



1 module contains 4 Mikrolites

### ● APPROVALS

Certified to UL and CSA standards. Suitable for damp locations.

### ● STENCIL SEGMENTS

Stencil lit segments are available in lengths of 2' to 8' in one foot increments. Unlit blank segments are available in any length from 7" to 8'. Segments exceeding 8' in length are comprised of a combination of lengths to be assembled on site with an Inline Hub. Minimum blank segment length for one Accent is 2'. Minimum segment length for Accent and Indirect is 4'. For more information on systems and joining, please refer to the Stencil installation sheets available for download at [www.axislighting.com](http://www.axislighting.com).

### ● LIGHT GUIDE

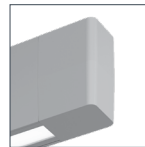
High precision light guide made of PMMA material, allows distribution of controlled light in all 3-dimensions to put light on both vertical and horizontal planes within the space. Patented lightguide design featuring molecular optics and precision-coupled optic components yield a high efficiency luminaire. In-plane mixing maximizes color uniformity while light emitting area is uniform and diffuse without 'head lighting' from the LED's.

### ● FINISH

Powder coated and custom finishes are also available.

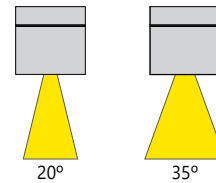
### ● END CAPS

Stencil Forms include Hub end caps.

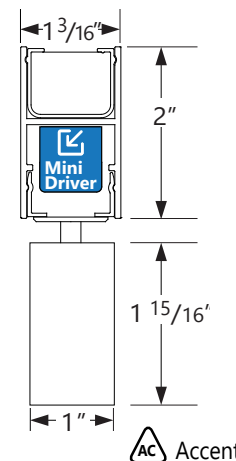


Hub End Cap

### ● ACCENT BEAM SPREADS



### ● STENCIL WITH ACCENT CONFIGURATION AND SECTION VIEW

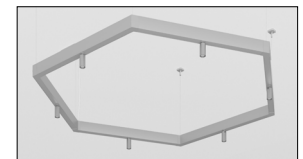


#### ACCENT EFFICACY

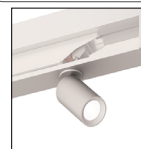
**3 Accents / Driver** 120V, 21W, 0.18A;  
277V, 21.5W, 0.10A.

**6 Accents / Driver** 120V, 8W, 0.12A;  
277V, 8.4W, 0.06A.

**NOTE:** Configuration of multiple accents with different drivers will change efficacy values.



### ● ACCENT OPTIONS



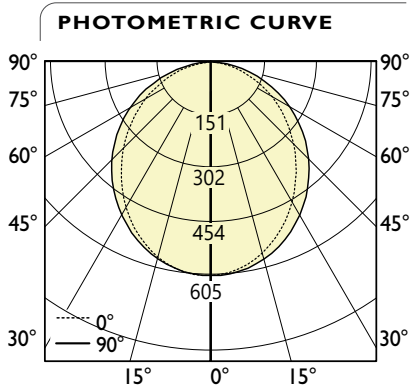
Regular shown



Accent positioned on segment

### ● PHOTOMETRIC DATA - DIRECT

#### 400 lm/ft - SO lens



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	

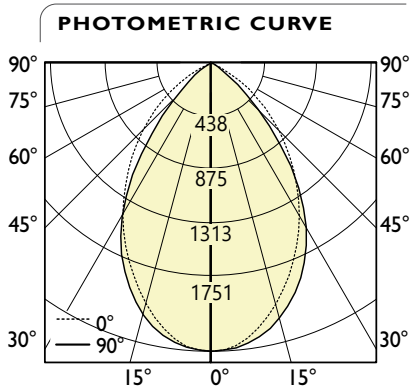
LUMINANCE DATA (cd/m²)			
Vertical Angle	Horizontal Angles		
	0	45	90
45	41858	45837	49617
55	37812	42873	47624
65	32769	38735	44638
75	25073	31762	39068
85	11103	17519	25974

**Direct Output: 400 lm/ft**  
**Total Lumens: 1600 lm (for 4ft)**  
**Input Watts: 16 W**  
**Efficacy: 100 lm/W**

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
 IES FILE: STD-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](http://www.axislighting.com)

#### 600 lm/ft - MLBK micro louver black



CANDELA DISTRIBUTION					
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1751	1751	1751	1751	1751
5	1724	1727	1728	1733	1736
15	1517	1523	1555	1593	1603
25	1228	1238	1260	1303	1338
35	907	910	908	906	925
45	584	579	530	419	397
55	278	270	173	98	89
65	13	20	13	3	3
75	2	1	1	1	1
85	1	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS	
Zone	Lumens
0	
0-10	163
10-20	435
20-30	577
30-40	553
40-50	378
50-60	165
60-70	24
70-80	1
80-90	1
90	

LUMINANCE DATA (cd/m²)			
Vertical Angle	Horizontal Angles		
	0	45	90
45	65400	59286	44472
55	38311	23813	12303
65	2460	2512	518
75	651	257	263
85	519	294	262

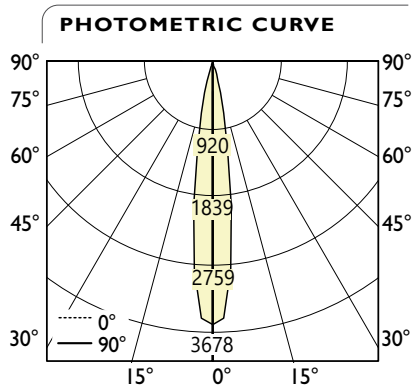
**Direct Output: 600 lm/ft**  
**Total Lumens: 2297 lm (for 4ft)**  
**Input Watts: 44.1 W**  
**Efficacy: 52 lm/W**

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
 IES FILE: STD-4-MLBK-600-80-35.ies  
 TESTED ACCORDING TO IES LM-79-2008

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

### ● PHOTOMETRIC DATA - ACCENTS

#### Accent 20 degree



CANDELA DISTRIBUTION					
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	3605	3605	3605	3605	3605
5	2668	2516	1376	2760	2863
15	398	366	183	405	422
25	50	48	23	57	53
35	12	11	5	12	12
45	6	6	3	6	6
55	4	4	2	4	4
65	3	3	1	3	3
75	1	1	0	1	1
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS	
Zone	Lumens
0	
0-10	211
10-20	131
20-30	29
30-40	8
40-50	4
50-60	4
60-70	3
70-80	1
80-90	0
90	

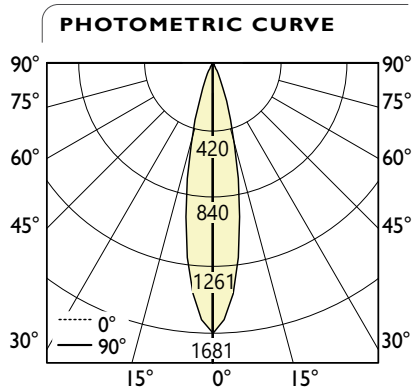
LUMINANCE DATA (cd/m <sup>2</sup> )			
Vertical Angle	Horizontal Angles		
	0	45	90
45	16184	7724	16550
55	14208	6951	14208
65	12306	6360	13742
75	5358	3013	6027
85	1986	1005	5958

**Total Lumens: 391 lm (for 1 accent)**  
**Input Watts: 7.9 W**  
**Efficacy: 49 lm/W**

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
 IES FILE: Stencil-AC-D20(A17399G-20 DG).IES  
 TESTED ACCORDING TO IES LM-79-2008

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

#### Accent 35 degree



CANDELA DISTRIBUTION					
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1681	1681	1681	1681	1681
5	1442	1453	1453	1455	1453
15	527	518	518	512	506
25	110	109	112	108	105
35	25	25	25	25	24
45	9	9	9	9	9
55	5	5	5	5	5
65	3	3	3	3	3
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

ZONAL LUMENS	
Zone	Lumens
0	
0-10	123
10-20	145
20-30	55
30-40	17
40-50	7
50-60	5
60-70	3
70-80	1
80-90	0
90	

LUMINANCE DATA (cd/m <sup>2</sup> )			
Vertical Angle	Horizontal Angles		
	0	45	90
45	30812	31571	30121
55	21803	22482	21803
65	15718	15604	16184
75	4908	4908	5289
85	2236	1684	2236

**Total Lumens: 355 lm (for 1 accent)**  
**Input Watts: 6.8 W**  
**Efficacy: 52 lm/W**

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
 IES FILE: Stencil-AC-D35(A18322G-35 DG).IES  
 TESTED ACCORDING TO IES LM-79-2008

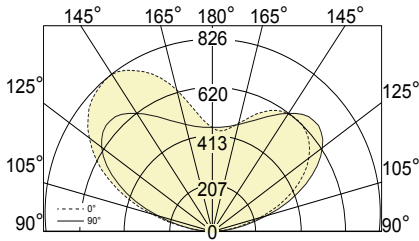
**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)



### ● PHOTOMETRIC DATA - INDIRECT

700 lm/ft

#### PHOTOMETRIC CURVE



**Indirect Output: 700 lm/ft**  
**Total Lumens: 2691 lm (for 4ft)**  
**Input Watts: 31 W**  
**Efficacy: 87 lm/W**

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
 IES FILE: STI-700-80-35-4.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	25	26	32	42	54	65	53	41	34
105	226	211	194	215	267	265	255	278	285
115	418	391	360	394	481	472	470	520	534
125	551	520	481	518	628	639	648	695	699
135	615	585	548	572	672	732	762	795	794
145	618	595	562	554	619	719	789	823	820
155	568	548	516	498	534	627	704	748	757
165	482	469	454	451	475	529	578	620	626
175	434	433	434	438	449	465	476	483	483
180	446	446	446	446	446	446	446	446	446

#### ZONAL LUMENS

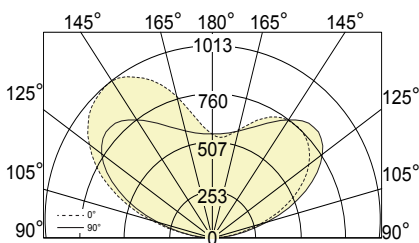
Zone	Lumens
90	
90-100	57
100-110	256
110-120	438
120-130	529
130-140	517
140-150	421
150-160	281
160-170	148
170-180	44
180	

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

### ● PHOTOMETRIC DATA - INDIRECT

800 lm/ft

#### PHOTOMETRIC CURVE



**Indirect Output: 800 lm/ft**  
**Total Lumens: 3308 lm (for 4ft)**  
**Input Watts: 38.6 W**  
**Efficacy: 86 lm/W**

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
 IES FILE: STI-800-80-35-4.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	61	59	61	61	67	68	42	24	18
105	319	295	263	279	329	308	283	294	299
115	547	510	462	498	592	564	551	602	617
125	697	657	605	649	774	774	777	831	834
135	764	725	679	712	832	898	928	966	962
145	755	726	686	683	771	897	977	1012	1006
155	683	659	622	610	670	794	889	939	947
165	575	562	549	555	597	672	738	792	798
175	532	533	537	546	564	587	604	612	612
180	560	560	560	560	560	560	560	560	560

#### ZONAL LUMENS

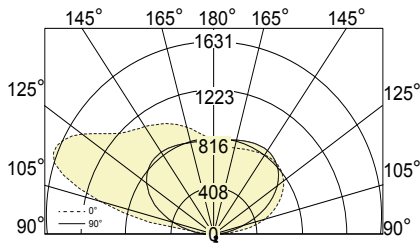
Zone	Lumens
90	
90-100	69
100-110	311
110-120	536
120-130	649
130-140	636
140-150	519
150-160	348
160-170	184
170-180	55
180	

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

### ● PHOTOMETRIC DATA - INDIRECT - ASYMMETRIC

1000 lm/ft

#### PHOTOMETRIC CURVE



**Lumen/ft up: 1000 lm/ft**  
**Total Lumens: 4300 lm (for 4ft)**  
**Input Watts: 47.7 W**  
**Efficacy: 90 lm/W**

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
 IES FILE: STIA-1000-80-35-AS-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	125	18	24	41	30	63	33	23	20
105	479	351	331	299	263	356	605	1034	1088
115	673	597	563	534	523	604	801	1385	1631
125	789	752	719	707	717	792	925	1265	1484
135	837	833	801	801	828	896	996	1140	1217
145	823	844	826	832	868	935	1010	1087	1114
155	789	822	814	824	857	917	978	1025	1039
165	760	791	792	802	827	863	902	931	940
175	768	781	784	790	800	812	822	831	834
180	794	794	794	794	794	794	794	794	794

#### ZONAL LUMENS

Zone	Lumens
90	
90-100	159
100-110	575
110-120	777
120-130	788
130-140	706
140-150	573
150-160	408
160-170	237
170-180	77
180	

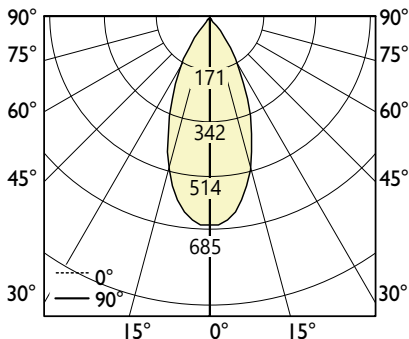
**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)

### ● PHOTOMETRIC DATA - MikroLite 1.0

MikroLite - 35° beam



#### PHOTOMETRIC CURVE



**Total Lumens: 452 lm (for 1 module)**  
**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

#### 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

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

### ● PHOTOMETRIC DATA - MikroLite 1.0

#### MikroLite - 20° beam



#### CANDELA DISTRIBUTION

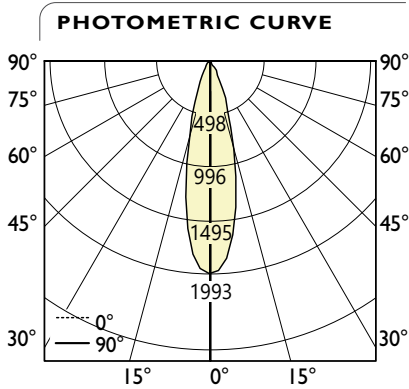
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1993	1993	1993	1993	1993
5	1859	1830	1831	1837	1835
15	858	863	861	828	843
25	286	288	294	273	266
35	76	88	102	89	71
45	9	15	32	15	9
55	1	1	3	1	1
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

#### 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/m<sup>2</sup>)

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](http://www.axislighting.com)