



Shown with SLE end cap

Project \_\_\_\_\_

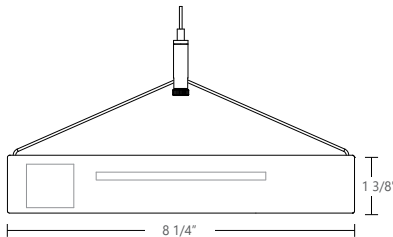
Type \_\_\_\_\_

Notes \_\_\_\_\_

## PERFORMANCE PER LINEAR FOOT AT 3500K

DISTRIBUTION	NOMINAL LUMEN OUTPUT		INPUT WATTS FOR 4 FT	EFFICACY
	UP	DOWN		
100up/0down at 800 lm/ft	800 lm/ft		33 W	102 lm/W
100up/0down at 1000 lm/ft	1000 lm/ft		42 W	102 lm/W

REFER TO PHOTOMETRIC DATA SECTION FOR EXACT VALUES



\* Check the latest update on the DLC website for complete information. Not all versions may be DLC qualified.



## Ordering Guide

SLLED		SL 100/0		NOMINAL LUMENS/FT		CRI		COLOR TEMPERATURE (choose one)		
PRODUCT ID		LIGHT ENGINE								
SLLED	Pendant LED	SL 100/0	surroundlite 100%up/0% down	800	800 lm/ft	80	80 CRI	30	3000 K	TW2750 2700-5000 K - Tunable White
				1000	1000 lm/ft	90	90 CRI*	35	3500 K	TW2765 2700-6500 K - Tunable White
								40	4000 K	DW3020 3000-2000 K - Dim to Warm
								B30	3000 K - Bios*	
								B35	3500 K - Bios*	
								B40	4000 K - Bios*	
				Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS		* Not available with BIOS.		Consult Axitune technical sheet for more information of color technology. *Consult BIOS guide for more information on BIOS technology.		

NO											
SHIELDING		FIXTURE LENGTH		FINISH		VOLTAGE		DRIVER		CIRCUITS	
NO	no shielding	4	4'	AP	aluminum paint	120	120 V	DP	dimming (0-10V) 1%	1	1 circuit
		8	8'	W	white	277	277 V	LT(#)	Lutron*	2	2 circuits
		12	12'	BLK	black	347	347 V*	BI	bi-level dimming	2A/B	2 circuit alternating/4ft
		S(L)	system run	C	custom	UNV	universal	O(#)	other**	+E(#)	emergency section
		DC	low voltage**	DPB(#)	dimming (0-10V) 1% with Bios*	+NL(#)	night light section				
				TW(#)	tunable white drivers*	+GTD(#)	generator transfer device				
						POE(#)	POE drivers*				
						*Consult factory ** Only available with POE drivers.		* See page 4 to specify system ** Please consult factory; see page 4			

MOUNTING/SUSPENSION		BATTERY (OPTIONAL)		END CAP (OPTIONAL)		OTHER		IC CONTROLS		CUSTOM		
CA(L)	drywall+cable length (36" std.)	B(#)	battery pack (integral)	SLE	slim end cap	F	fuse	DS(#)	daylight sensor	C	custom	
CT9(L)	TB/TG 9/16+cable length (36" std.)							OS(#)	occupancy sensor			
CT15(L)	TB/TG 15/16+cable length (36" std.)							DOS(#)	daylight & occupancy sensor			
CTS(L)	ST+cable length (36" std.)							EN(#)	Enlighted integral			
SA(L)	drywall+stem length >48" (18" std.)							ENR(#)	Enlighted remote			
+SM	seismic option							WC(#)	wireless control dimming			
See Ceiling Mount Guide for further details		For minimum 36" long fixture only Not available with 347V Please consult factory		See page 5 for more details		Requires 120V or 277V		Specify quantity. Requires 8" blank. See integrated controls guide for more details. Consult factory for Tunable White. Not available with DPB (DYN) driver for BIOS with Dynamic Spectrum.			Please specify	



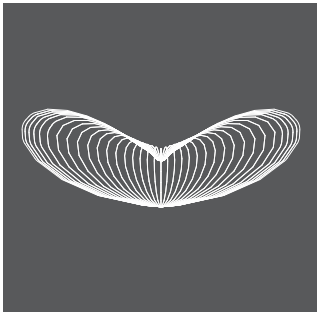
## ● SURROUNDLITE TECHNOLOGY

SLIM with SurroundLite provides the flexibility of high efficacy spherical three dimensional wide batwing distributions and shielding options that all result in true lighting effectiveness. SLIM is only 1.375" depth with integral driver and a light guide with proper cutoff and no view of bugs or dust particles.

An innovative technology to get much more out of LEDs: Axis SurroundLite is based on the fundamental physics of how light interacts with matter. The specially engineered lightguide is made of precisely coded and aligned molecules that shape LED output in all three dimensions.

With SurroundLite extra-wide, multidimensional light distribution, light is directed in all three planes and sent in every corner of the room. SurroundLite brings the promise of balanced brightness, facilitating lighting design.

### 3D Polar Curve (SL 100/0)



## ● SURROUNDLITE BENEFITS



### Reduced 'Cave Effect', Increased Perceived Brightness

Wide 3D batwing uplight distribution lights up corners  
Lighting at seam between ceiling and wall  
3D light distribution from luminaire extremities lights up adjacent spaces and vertical planes

### Use of Fewer Luminaires

The 3D nature of light distribution is well suited to checkerboard patterns, reducing the need for continuous rows.

### Better Facial Modeling / Facial Recognition

Reflected light from illuminated surfaces within the space results in soft fill light on the vertical plane.

### No Streaks or Hot Spots of Light

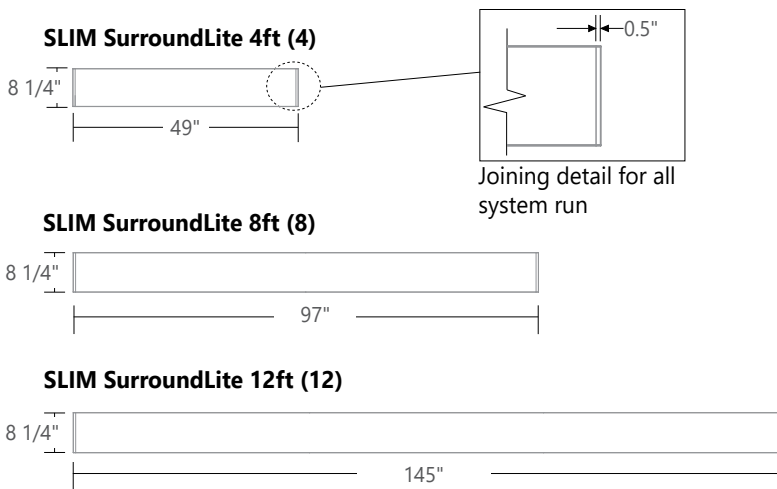
Axis SurroundLite technology spreads out light uniformly versus Lambertian distributions that put an intensity of light directly above and below the luminaire.



### ● 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.

### ● LENGTHS



### ● SYSTEMS (S#)

Runs of SLIM SurroundLite that are greater than 12ft in length are designated as systems (S#). This means that the run is comprised of a combination 4ft and/or 8ft sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the SLIM SurroundLite installation sheets available at: [www.axislighting.com](http://www.axislighting.com) under 'Downloads' tab.

### ● WEIGHT

<b>SLIM SL 4 ft</b>	15 lbs / 6.8 kg
<b>SLIM SL 8 ft</b>	27 lbs / 12.2 kg
<b>SLIM SL 12 ft</b>	39 lbs / 17.7 kg

### ● FINISH

Aluminum paint, powder coated and custom finishes are also available.

### ● APPROVALS

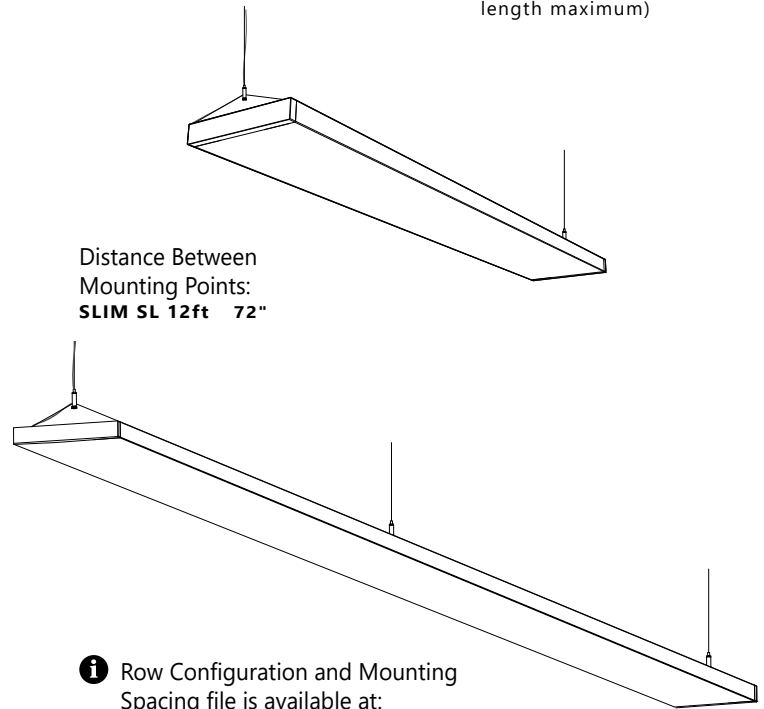
Certified to UL and CSA standards  
Suitable for damp locations.



### ● SUSPENSION / MOUNTING SPACING

Distance Between  
Mounting Points:  
**SLIM SL 4ft** 48"  
**SLIM SL 8ft** 96"

Standard Suspension  
Length (Adjustable):  
**CABLE: 36"**  
**STEM: 18"** (For 8'  
length maximum)



**i** Row Configuration and Mounting  
Spacing file is available at:  
[www.axislighting.com](http://www.axislighting.com)  
under 'Downloads' tab.



## ● ELECTRICAL

<b>Lutron driver*</b>	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black LTEA - Hi-lume 1% 2-wire (120V forward phase only) *Consult factory
<b>Other drivers**</b>	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex LV - line voltage - Advance Mark 10 Xitanium SR - For wireless sensor
<b>BIOS DPB drivers*</b>	STC - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%. DYN - BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™ enabled 100% to 50%, light output dimming from 49% to 1%.
<b>Tunable White TW drivers*</b>	DALIT6 - DALI Type 6 (Two DALI Addresses) DALIT8 - DALI Type 8 (One DALI Address) LTTW - Lutron T-Series Tunable White
<b>Power over Ethernet POE drivers*</b>	MOLEX IGOR UL2108 certified for integral or remote driver O - Other (Consult factory)
<b>Emergency</b>	Integral emergency battery pack or emergency circuit optional.
<b>Input Voltage</b>	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.

## ● CONSTRUCTION

<b>Housing</b>	Extruded aluminum (0.075" nominal)
<b>End Cap</b>	Die cast aluminum (0.10" nominal)
<b>Joiners</b>	Die cast aluminum (0.10" nominal)
<b>Interior Bracket</b>	Die formed zinc (22 gauge)
<b>Top Covers</b>	Cold rolled sheet steel painted (24 gauge)
<b>Hanger</b>	adjustable slide mount
<b>Suspension</b>	Y shape aircraft cable or Ø 1/2" stem

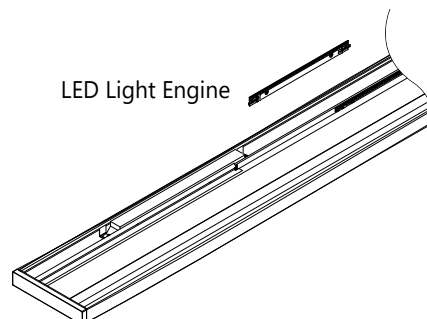
## ● LED SYSTEM

<b>CRI</b>	Minimum 80 or 90 color rendering index.
<b>CRI BIOS</b>	Minimum 80 color rendering index with R9>75 for all CCTs.
<b>CCT Single Color</b>	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.
<b>CCT BIOS</b>	BIOS Static (STC) Choice of 3000K, 3500K and 4000K. BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™  <a href="#">Consult BIOS guide for more information on BIOS technology.</a>
<b>CCT Axitune Systems</b>	<a href="#">Consult Axitune technical sheet for more information on color technology.</a>
<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>Environment</b>	Dry and damp rated in operating ambient temperatures of 0-40°C (32-104°F).

## ● LED UPGRADE / REPLACEMENT

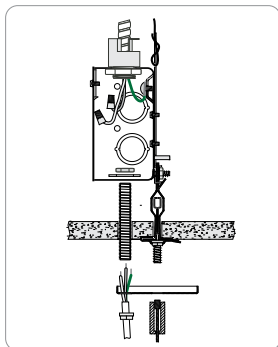
All LED light engines used are field replaceable and upgradable to ensure the lighting system will last for years. Future-proof design comes with easy access to LED light engines from above using quick connectors (included in luminaire) and a screwdriver.

**i** For more information on LED light engine upgrade and replacement, please refer to the SLIM LED Light Engine Replacement sheet available at: [www.axislighting.com](http://www.axislighting.com) under 'Downloads' tab.





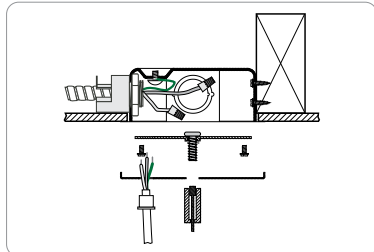
### ● MOUNTING OPTIONS



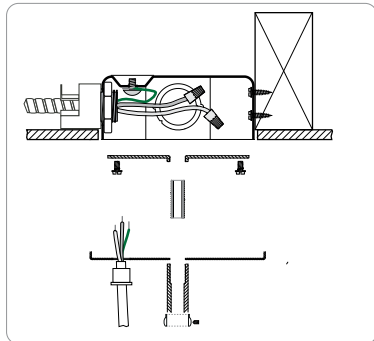
#### **CT** TILE CEILING - ON GRID

Mounting options are also available for slope ceiling and seismic bracing.

- i** Installation sheets for all mounting options are available at: [www.axislighting.com](http://www.axislighting.com) under 'Downloads' tab.



#### **CA** DRYWALL CEILING



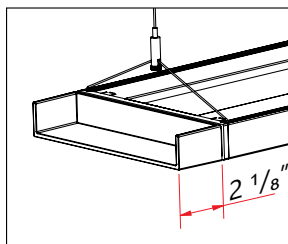
#### **SA** STEM MOUNT IN DRYWALL CEILING

### ● OTHER MOUNTING OPTIONS

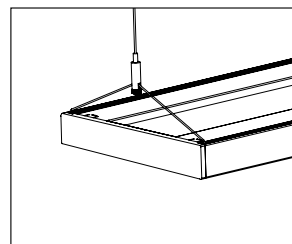
SLIM SurroundLite is also available as a wall mount.

- i** Specification sheets for pendant mounted SLIM luminaires are available at: [www.axislighting.com](http://www.axislighting.com) under 'Downloads' tab.

### ● END CAP OPTIONS



#### **Slim end cap** **Optional**



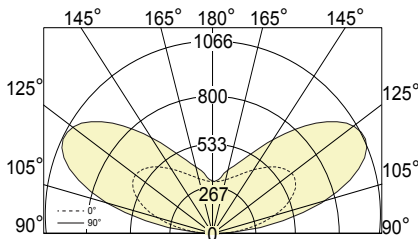
#### **Flat end cap** **Standard**



## ● PHOTOMETRIC DATA

**NO SHIELDING (NO)**

SLLED-B3-SL-100/0-800-80-35-NO-4-4  
100% up at 800 lm/ft

**PHOTOMETRIC CURVE**

**Lumen/ft up: 842 lm/ft**  
**Total Lumens: 3367 lm (for 4ft)**  
**Input Watts: 33 W**  
**Efficacy: 102 lm/W**

CRI:80 shown (for CRI:90 use 0.8 multiplier on watts and efficacy)

IES FILE: SLLED-B3-SL-100-0-800-80-35-NO-4-W-120-D-1.IES

TESTED ACCORDING TO IES LM-79-2008

**CANDELA DISTRIBUTION**

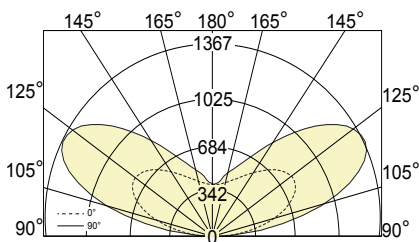
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	0	0	0	0	0
95	113	110	115	121	119
105	360	393	484	619	680
115	536	597	741	929	1013
125	584	650	798	975	1049
135	532	591	703	831	880
145	444	495	557	631	658
155	368	410	439	470	480
165	320	331	367	379	382
175	297	301	304	306	306
180	296	296	296	296	296

**ZONAL LUMENS**

Zone	Lumens
90	
90-100	142
100-110	526
110-120	744
120-130	720
130-140	548
140-150	353
150-160	204
160-170	102
170-180	30
180	

**NO SHIELDING (NO)**

SLLED-B3-SL-100/0-1000-80-35-NO-4-4  
100% up at 1000 lm/ft

**PHOTOMETRIC CURVE**

**Lumen/ft up: 1079 lm/ft**  
**Total Lumens: 4317 lm (for 4ft)**  
**Input Watts: 42 W**  
**Efficacy: 102 lm/W**

CRI:80 shown (for CRI:90 use 0.8 multiplier on watts and efficacy)

IES FILE: SLLED-B3-SL-100-0-1000-80-35-NO-4-W-120-D-1.IES

TESTED ACCORDING TO IES LM-79-2008

**CANDELA DISTRIBUTION**

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	0	0	0	0	0
95	145	141	147	155	152
105	462	504	621	793	872
115	687	765	950	1191	1299
125	749	833	1023	1250	1345
135	682	758	901	1065	1128
145	569	635	714	809	843
155	472	526	563	602	615
165	410	424	470	486	490
175	381	386	390	392	392
180	380	380	380	380	380

**ZONAL LUMENS**

Zone	Lumens
90	
90-100	183
100-110	674
110-120	953
120-130	924
130-140	702
140-150	453
150-160	262
160-170	131
170-180	38
180	