*lip*LEDs™ Series

Specification Grade

LLED8000

FIELD CUTTABLE SYSTEM

CRI
> 95

DIMMING
Forward Phase
0-10V
Lutron

EFFICACY
95 Lumens Per Watt

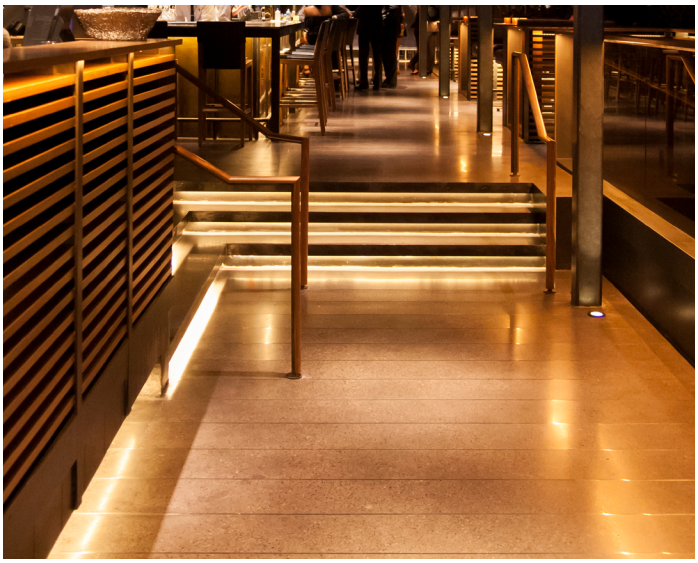
L70 LED LIFE
60,000 hrs.

DRY OR WET (IP67) LOCATION
UL2108, CSA C22.2#9
UL8750, CSA250

*lip***LEDs**™ Series is a field cuttable system designed with long life, energy efficient LEDs that result in low maintenance installations. *lip***LEDs**™ is excellent to illuminate areas for cove lighting, accent lighting, backlighting, and other indirect lighting applications.

MADE IN U.S.A. | 10-DAY QUICK SHIP | 5 YEAR WARRANTY | SINGLE BIN +-30K | TM-30 LM-79 LM-80 | RoHS COMPLIANT

CALI
CALIFORNIA ACCENT LIGHTING INC
Lighting for the Professional Designer



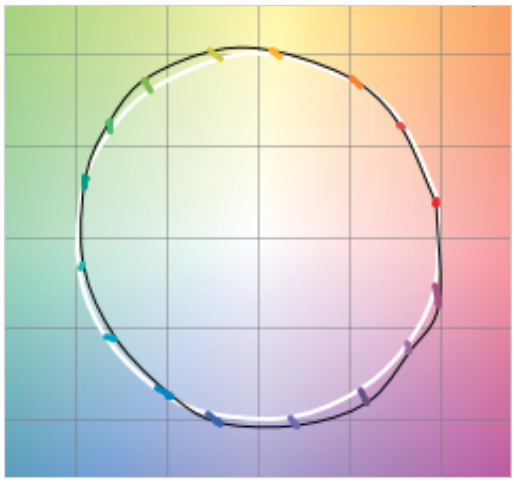
*lip*LEDs™ 8000 SERIES FEATURES

*lip*LEDs™ Specification Grade Tape series is a 24 volt system that requires a 24VDC (secondary side) transformer. The standard primary side voltage on our transformers is 120V or 277V. Consult factory for other primary side voltages.

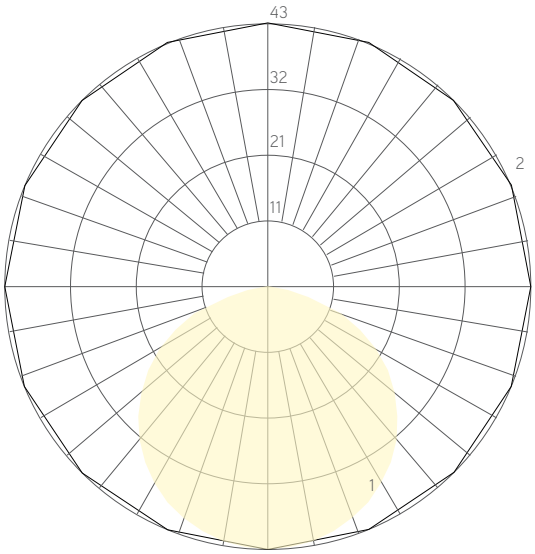
FEATURES	
APPLICATIONS	Accent, Decorative, Surface, Recessed, Pendant Lighting
LAMP TYPE	LEDs
CRI	> 95
VIEWING ANGLE	120°
MOUNTING	Mounting Channel or Mounting Clips (Sold Separately)
WEIGHT	0.016 lbs per foot
CONSTRUCTION	Flexible LED Tape
LENGTH	Built to Order
LISTING	Dry or Wet (IP67) Location UL2108, CSA C22.2 #9 UL8750, CSA250
ELECTRICAL	
DIMMING	Forward Phase, 0-10V, Lutron, DALI
MAXIMUM RUN (Based on 5 Amps)	18' (6.5W), 21' (5.5W), 26' (4.5W), 33' (3.6W), 36' (1.5W, 2.5W)
MAXIMUM RUN (Based on 4 Amps for Class II)	14' (6.5W), 17' (5.5W), 21' (4.5W), 26' (3.6W), 36' (1.5W, 2.5W)
VOLTAGE	24VDC
DRIVER	Remote (Sold Separately)
TEMPERATURE RATINGS	Operating / Startup: -20° to 48°C (-4° to 120°F)
	Storage: -40° to 76°C (-40° to 170°F)

PERFORMANCE

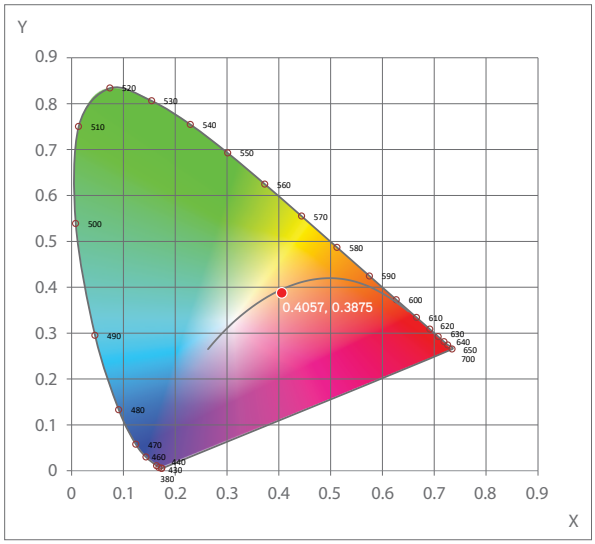
Color Vector Graphic



Polar Graph



Chromaticity Diagram



TM-30

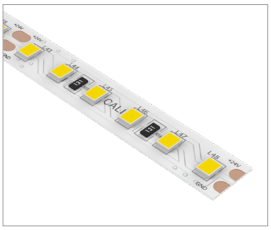
		GRAPHIC SHIFTS (%)	
HUE BIN	R_f	CHROMA	HUE
1	79	-10%	0%
2	79	-8%	8%
3	70	-2%	14%
4	85	2%	8%
5	90	5%	5%
6	90	6%	-3%
7	84	-2%	-8%
8	89	-6%	-4%
9	85	-6%	3%
10	78	-6%	11%
11	77	2%	14%
12	79	6%	9%
13	88	8%	-7%
14	67	4%	-20%
15	84	0%	-10%
16	75	-7%	-14%

LAMP SPECIFICATIONS

LAMP NUMBER	CORRELATED COLOR TEMPERATURE	EFFICACY (LUMENS / WATT)	JA8	L70 LED LIFE
2.4K	2400K Incandescent White	90	Yes	60,000 hrs.
2.7K	2700K Warm White	101	Yes	60,000 hrs.
3.0K	3000K Warm White	100	Yes	60,000 hrs.
3.5K	3500K Neutral White	103	Yes	60,000 hrs.
4.0K	4000K Neutral White	105	Yes	60,000 hrs.
4.5K	4500K Neutral White	102	No	60,000 hrs.
R	Red (621nm)	70	No	40,000 hrs.
G	Green (525nm)	139	No	40,000 hrs.
B	Blue (470nm)	40	No	40,000 hrs.
A	Amber	128	No	40,000 hrs.

Consult factory for cooler white color temperatures.

LENS AND SINGLE LIGHT STRIP

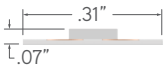


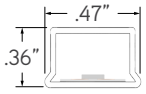
FIELD CUTTABLE

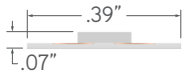
LLED8000 lightstrip is field-cuttable every 2" for easy installation without rigorous requirements.

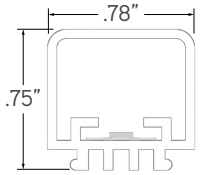
8' Maximum extrusion and lens length (Dry Location field cuttable)

Dry Location	Wet (IP67) Location
Watts per Foot 1.5W, 2.5W	1.5W, 4.5W
Watts per Foot 3.6W, 4.5W, 5.5W, 6.5W	5.5W - 6.5W



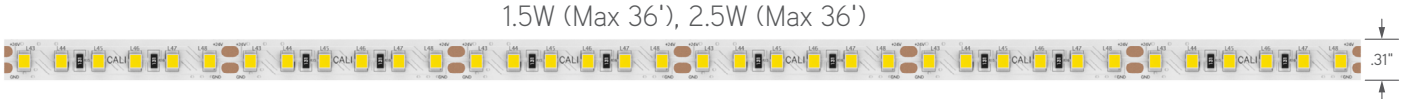




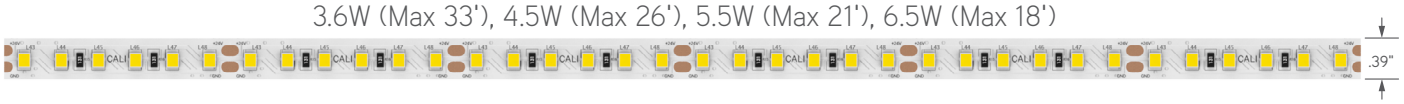


Lens	Optics
Clear Lens (CL) 50% Semi-Frosted Lens (SF) 100% Frosted Lens (F)	15°, 30°, 45°, 60°, 120°, and Asymmetric Applicable to: LLED8000-RC LLED8000-RCR LLED8000-SR

1.5W (Max 36'), 2.5W (Max 36')



3.6W (Max 33'), 4.5W (Max 26'), 5.5W (Max 21'), 6.5W (Max 18')



SPECIFY PRODUCT CODE

SERIES		OPTICS	WATTS PER FOOT	DIMMING	CCT LED	LISTING	FINISH	FIXTURE LENGTH
LLED8000*3	LLED8000-RME	Clear Lens*2 **(CL)**	1.5 Watts **(1.5W)**	Forward Phase **(DM)**	2400K **(2.4K)**	Indoor **(DRY)**	Natural Silver*1 **(NA)**	Specify Length in Feet & Inches **Example**: 7'8"
LLED8000-CMC	LLED8000-RMI		2.5 Watts **(2.5W)**	0-10V: 100% - 10% **(10V)**	2700K **(2.7K)**		Polished **(PA)**	
LLED8000-CMI	LLED8000-RPM	50% Semi-Frosted Lens **(SF)**	3.6 Watts **(3.6W)**	0-10V: 100% - 1% **(10V-1%)**	3000K **(3.0K)**	Outdoor*9 **(WET)**	White **(WH)**	
LLED8000-CR	LLED8000-SQC		4.5 Watts **(4.5W)**	Hi-Lume 1% 2 Wire*5 **(2 Wire)**	3500K **(3.5K)**		Satin / Silver **(SA)**	
LLED8000-EMI	LLED8000-SQL	100% Frosted Lens **(F)**	5.5 Watts **(5.5W)**	Hi-Lume 1% 3 Wire*6 **(3 Wire)**	4000K **(4.0K)**	Outdoor IP67*9 **(WET)**	Black **(BK)**	
LLED8000-L*4	LLED8000-SR		6.5 Watts **(6.5W)**	Hi-Lume Premier 0.1% JA8*7 **(L3D0)**	4500K **(4.5K)**			
LLED8000-LDS	LLED8000-SRT		To calculate Lumens per Foot, multiply Efficacy by Wattage. **Example:** 2.5W x 100 Lm/W = 250 Lm/Ft	JA8 0-10V **(JA8-10V)**	Amber*8 **(A)**			
LLED8000-LPL	LLED8000-ST			JA8 2 Wire **(JA8-2WR)**	Red*8 **(R)**			
LLED8000-LPR	LLED8000-STL			DALI **(DALI)**	Green*8 **(G)**			
LLED8000-MI	LLED8000-UC*3			Leave Blank for Non-Dimming	Blue*8 **(B)**			
LLED8000-MW	LLED8000-UCS							
LLED8000-OL	LLED8000-VR							
LLED8000-RC	LLED8000-WMC							
LLED8000-RCR	LLED8000-WMR							

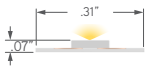
*1 Standard Finish: Natural Silver if left blank
*2 Standard Lens: Clear if left blank
*3 No lens, optics, or finish available
*4 If lens option is selected without a channel selection, "L" channel will be supplied
*5 40 watt max Hi-Lume 1% LTEA2W #LTEA4U1UKL-CV240
*6 40 watt max Hi-Lume 1% L3DA3W #L3DA4U1UKL-CV240
*7 96 watt max Hi-Lume Premier 0.1% #L3D0-96W24V-U
*8 Amber, Red, Green, and Blue LEDs only available in 2.5W and 5.5W
*9 Run lengths required for Wet Location and IP67 products

SURFACE MOUNT

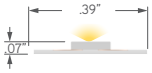
± .015" Tolerance

LLED8000

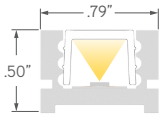
1.5W, 2.5W



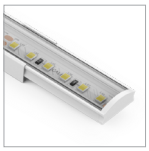
3.6W, 4.5W, 5.5W, 6.5W

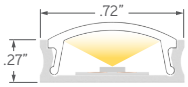


LLED8000-L

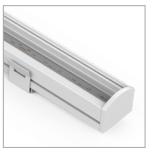


LLED8000-LPL

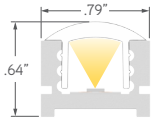




LLED8000-SR

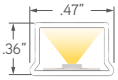


15°, 30°, 45°, 60°, 120°, Asymmetric

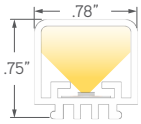


LLED8000-ST

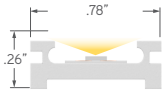
1.5W, 2.5W, 3.6W, 4.5W



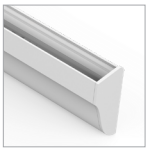
5.5W and 6.5W

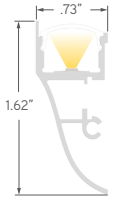


LLED8000-UC



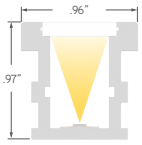
LLED8000-WMC



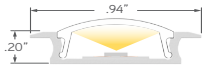


RECESS MOUNT

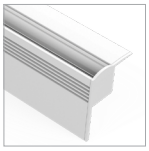
LLED8000-CR

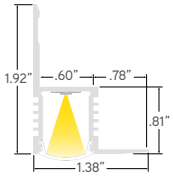


LLED8000-LPR

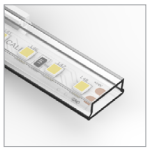


LLED8000-RME

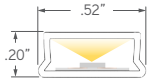




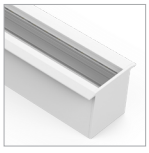
LLED8000-STL



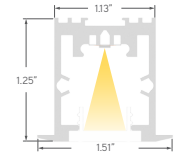
Only for 1.5W, 2.5W



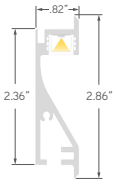
LLED8000-RCR



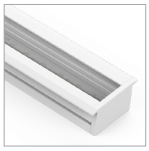
15°, 30°, 45°, 60°, 120°, Asymmetric

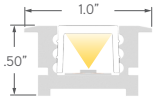


LLED8000-WMR



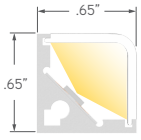
LLED8000-UCS



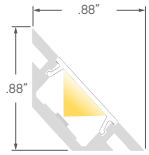


CORNER MOUNT

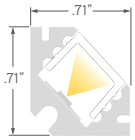
LLED8000-SQC



LLED8000-VR

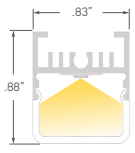


LLED8000-CMC

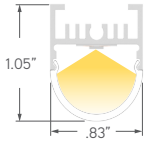


PENDANT MOUNT (ALL PENDANT MOUNT PRODUCTS CAN ALSO BE SURFACE MOUNTED)

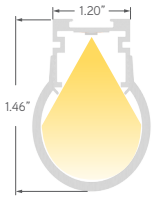
LLED8000-SQL



LLED8000-SRT

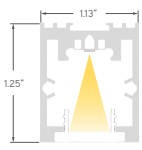


LLED8000-OL

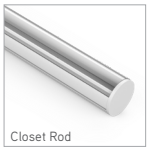


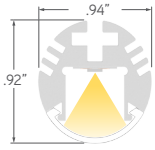
LLED8000-RC

15°, 30°, 45°, 60°, 120°, Asymmetric



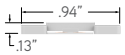
LLED8000-RPM



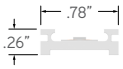


SURFACE MOUNT | Mounting Options

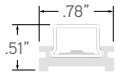
LLED8000



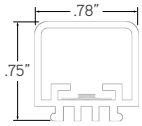
Mounting Clip (Dry Location)
#LLED8000-MCS



Mounting Channel
#LLED8000-UC

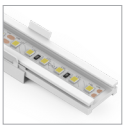


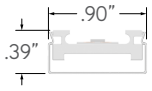
Mounting Clip (WET)
#LLED8000-MCS-WET



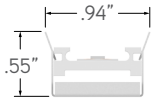
Mounting Clip (WET)

LLED8000-UC

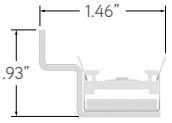




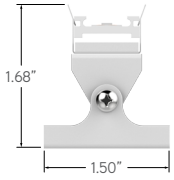
Mounting Clip
LLED8000-UC-MC



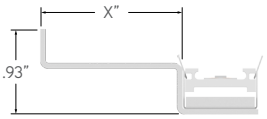
Mounting Clip 1
#LLED8000-UC-MC-2



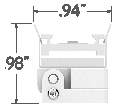
Mounting Clip 2
#LLED8000-UC-MC-3



Mounting Clip 3
#LLED8000-UC-MC-3

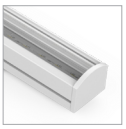


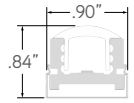
Mounting Clip 4
#LLED8000-UC-MC-4-X
(X = Specify Length)



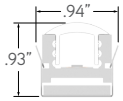
Adjustable Mounting Clip
#LLED8000-UC-MC-ADJ

LLED8000-SR

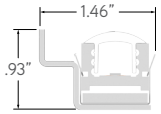




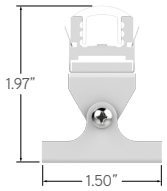
Mounting Clip
#LLED8000-SR-MC



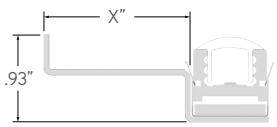
Mounting Clip 1
LLED8000-SR-MC-1



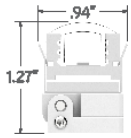
Mounting Clip 2
#LLED8000-SR-MC-2



Mounting Clip (Adjustable)
#LLED8000-SR-MC-3

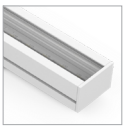


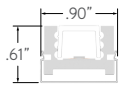
Mounting Clip 4
#LLED8000-SR-MC-4-X
(X = Specify Length)



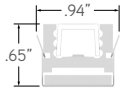
Adjustable Mounting Clip
#LLED8000-L-MC-ADJ

LLED8000-L

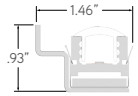




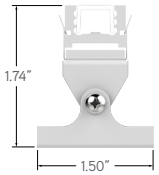
Mounting Clip
#LLED8000-L-MC



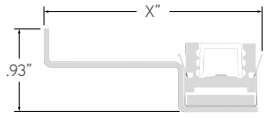
Mounting Clip 1
#LLED8000-L-MC-1



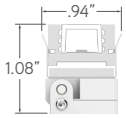
Mounting Clip 2
#LLED8000-L-MC-2



Mounting Clip (Adjustable)
#LLED8000-L-MC-3

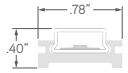


Mounting Clip 4
#LLED8000-L-MC-4-X
(X = Specify Length)

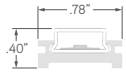


Adjustable Mounting Clip
#LLED8000-L-MC-ADJ

LLED8000-STL

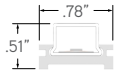


Mounting Clip
#LLED8000-STL-MC

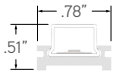


Mounting Channel
#LLED8000-STL-UC

LLED8000-ST

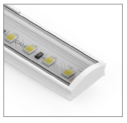


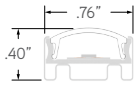
Mounting Clip
#LLED8000-ST-MC



Mounting Channel
#LLED8000-ST-UC

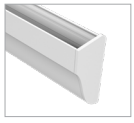
LLED8000-LPL

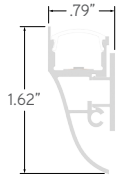




Mounting Clip
#LLED8000-LPL-MC-1

LLED8000-WMC

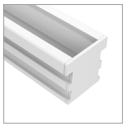




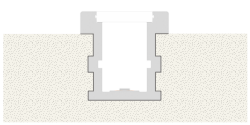
Mounting Clip
#LLED8000-WMC-MC

RECESS MOUNT | Mounting Options

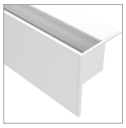
LLED8000-CR

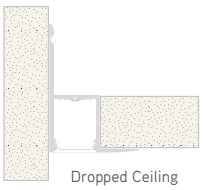


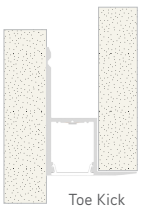
Ingrade/Recessed



LLED8000-RME



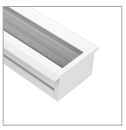

Dropped Ceiling


Toe Kick

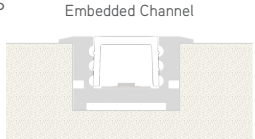
LLED8000-LPR

Recessed Channel

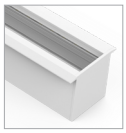
LLED8000-UCS



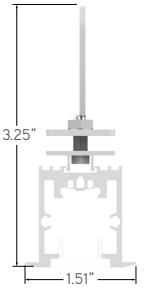
Embedded Channel



LLED8000-RCR



Mounting Clip
#LLED8000-RCR-MC



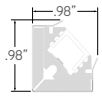
Hanging Mounting Clip
#LLED8000-RCR-MC-H

LLED8000-WMR

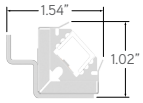
Recessed Channel

CORNER MOUNT | Mounting Options

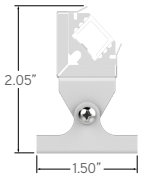
LLED8000-CMC



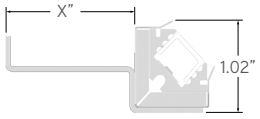
Mounting Clip 1
#LLED8000-CMC-MC-1



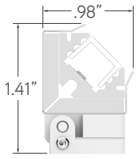
Mounting Clip 2
#LLED8000-CMC-MC-2



Mounting Clip 3 (Adjustable)
#LLED8000-CMC-MC-3

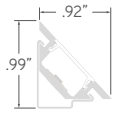


Mounting Clip 4
#LLED8000-CMC-MC-4-X



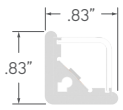
Adjustable Mounting Clip
#LLED8000-CMC-MC-ADJ

LLED8000-VR



Mounting Clip
#LLED8000-VR-MC

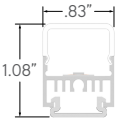
LLED8000-SQC



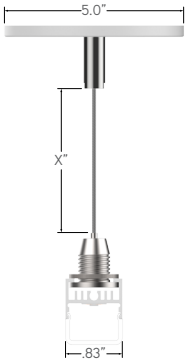
Mounting Clip
#LLED8000-SQC-MC

PENDANT MOUNT | Mounting Options (All pendant mount products can also be surface mounted)

LLED8000-SQL



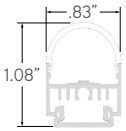
Mounting Clip
#LLED8000-SQL-MC



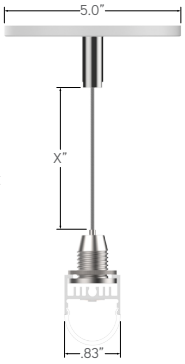
(#LLED8000-SQL-CN-X)
(XX = Finish)

(#LLED8000-SQL-PM-X)
(X = Specify Length)

LLED8000-SRT



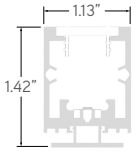
Mounting Clip
#LLED8000-SRT-MC



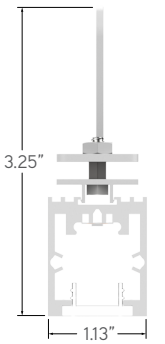
(#LLED8000-SRT-CN-X)
(X = Finish)

(#LLED8000-SRT-PM-X)
(X = Specify Length)

LLED8000-RC

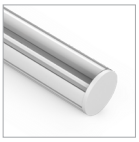


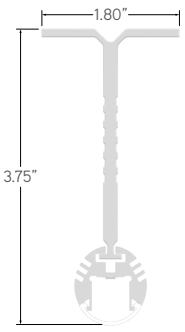
Mounting Clip
#LLED8000-RC-MC



Hanging Mounting Clip
#LLED8000-RC-MC-H

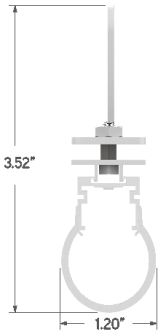
LLED8000-RPM



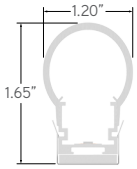


Mounting Bracket
#LLED8000-RPM-MB

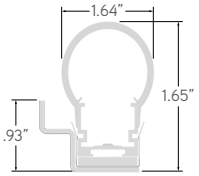
LLED8000-OL



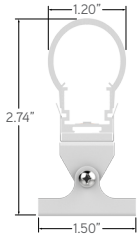
Hanging Mounting Clip
#LLED8000-OL-MC-H



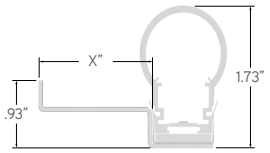
Mounting Clip 1
#LLED8000-OL-MC-1



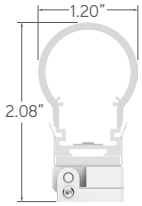
Mounting Clip 2
#LLED8000-OL-MC-2



Mounting Clip 3 (Adjustable)
#LLED8000-OL-MC-3



Mounting Clip 4
#LLED8000-OL-MC-4-X
(X = Specify Length)

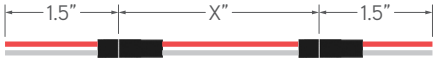


Mounting Clip 4
#LLED8000-OL-MC-4-X
(X = Specify Length)

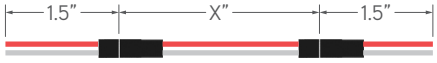
Power Connectors and Continuous Connectors | Dry annd Wet Location

Power Connector (18/2 Gauge Wire)
LLED8000-PC (33" Standard)
LLED8000-PC-X (X = Specify Length)

Wet Splice Connector
LLED8000-SC-WET



Continuous Connector (18/2 Gauge Wire)
LLED8000-CC (3" Standard)
LLED8000-CC-X (X = Specify Length)



Continuous Connector Wet (18/2 Gauge Wire)
LLED8000-CC-WET (3" Standard)
LLED8000-CC-WET-X (X = Specify Length)

Note: Connectors available with black or white jacket. Click on image to see cut sheet for details.
Note: Connector type subject to change without notice.

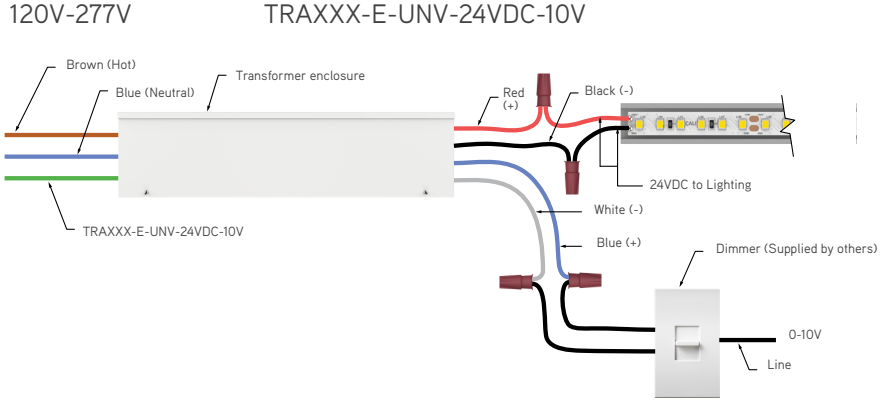
Transformer (Indoor or Outdoor Rated)									
Product Code		Max. Watts	Input	Output	Input AC Current	Power Factor	Width (W)	Height (H)	Depth (D)
TRA16-E	TRA16-E-UNV-24VDC-10V	16	120V-277V	24VDC	.2A / 277VAC or .4A / 120VAC	.92	12.7"	3.43"	2.66"
TRA25-E	TRA25-E-UNV-24VDC-10V	25	120V-277V	24VDC	.2A / 277VAC or .4A / 120VAC	.92	12.7"	3.43"	2.66"
TRA40-E	TRA40-E-UNV-24VDC-10V	40	120V-277V	24VDC	.25A / 277VAC or .6A / 120VAC	.92	12.7"	3.43"	2.66"
TRA60-E	TRA60-E-UNV-24VDC-10V	60	120V-277V	24VDC	.3A / 277VAC or .64A / 120VAC	.92	12.7"	3.43"	2.66"
TRA80-E	TRA80-E-UNV-24VDC-10V	80	120V-277V	24VDC	.4A / 277VAC or .85A / 120VAC	.94	12.7"	3.43"	2.66"
TRA96-E	TRA90-E-UNV-24VDC-10V	100	120V-277V	24VDC	.4A / 277VA or .85A / 120VAC	.93	15.7"	4.42"	2.92"
TRA120-E	TRA120-E-UNV-24VDC-10V	120	120V-277V	24VDC	.55A / 277VAC or 1.4A / 120VAC	.93	15.7"	4.42"	2.92"
TRA150-E	TRA150-E-UNV-24VDC-10V	150	120V-277V	24VDC	.7A / 277VAC or 1.7A / 120VAC	.92	15.7"	4.42"	2.92"
TRA185-E	TRA185-E-UNV-24VDC-10V	185	120V-277V	24VDC	.8A / 277VAC or 2.1A / 120VAC	.92	15.7"	4.42"	2.92"
TRA240-E	TRA240-E-UNV-24VDC-10V	240	120V-277V	24VDC	2A / 277VAC or 4A / 120VAC	.95	15.7"	4.42"	2.92"
TRA320-E	TRA320-E-UNV-24VDC-10V	320	120V-277V	24VDC	1.45A / 277VAC or 3.5A / 120VAC	.94	15.7"	4.42"	2.92"

* Class II 12VDC TRA16-E, TRA40-E, TRA60-E
** Class II 24VDC TRA16-E, TRA25-E, TRA40-E, TRA60-E, TRA-80E

Dimming Protocol (0-10V) | TRA-E Compatible Dimmers

Technical Requirements For Control Equipment (0-10V Protocol)

- The output current level of the dimmable driver is controlled by DC voltage (0-10V) applied to the control terminals (blue and white). The light output of LEDs is controlled by the amount of output current from the dimmable driver.
- The control device must be capable of sinking a DC current flow from the driver. The maximum amount under any condition is 500 microamps (uA) per driver.
- The control terminals of the dimmable driver are isolated from the power lines and are suitable for use as Class 2 wiring. Multiple drivers are desired for use with same control device, the control terminals may be connected in parallel in a bus configuration.
- Since the control bus is Class 2 wiring, all control devices that are connected to the power line must have proper isolation between the power line and the control terminals/bus.
- The control device, which intends to control more than one dimmable driver, must be capable of sinking the total current supplied to control bus by the drivers.
- If the control terminals/bus is shorted in any case, the current on the control terminals/bus will be 500 microamps (uA) per driver maximum.
- If the control terminals are opened, the voltage on the control terminals will then be 10V ± 0.5 volt. As a result, dimmable driver supplies maximum output current to LEDs under this condition.
- The driver is intended for use with control voltages between 0 and 10 VDC. The control equipment must not impose a voltage greater than 11 V peak maximum on the driver control terminals.



Transformer (Indoor or Outdoor Rated NEMA 3R) - Primary Fusing Included									
Product Code		Max. Watts	Input	Output	Input Current No Load-Full Load	Power Factor	Width (W)	Height (H)	Depth (D)
TRA5	TRA5-120V-24VDC	5	120V	24VDC	.4 - 1.4 Amps	0.961	1.975"	6"	1.43"
	TRA5-277V-24VDC	5	277V	24VDC	0.2 - 0.6 Amps	0.961	1.975"	6"	1.43"
TRA10	TRA10-120V-24VDC	10	120V	24VDC	0.3 - 2.2 Amps	0.964	1.975"	6"	1.43"
	TRA10-277V-24VDC	10	277V	24VDC	0.12 - 0.8 Amps	0.964	1.975"	6"	1.43"
TRA20	TRA20-120V-24VDC	20	120V	24VDC	0.3 - 2.6 Amps	0.979	1.975"	6"	1.43"
	TRA20-277V-24VDC	20	277V	24VDC	0.12 - 1.2 Amps	0.979	1.975"	6"	1.43"
TRA35	TRA35-120V-24VDC	35	120V	24VDC	0.4 - 4.3 Amps	0.973	1.975"	6"	1.43"
	TRA35-277V-24VDC	35	277V	24VDC	0.15 - 1.8 Amps	0.973	1.975"	6"	1.43"
TRA40	TRA40-120V-24VDC	40	120V	24VDC	0.8 - 5.3 Amps	0.978	1.975"	6"	1.43"
	TRA40-277V-24VDC	40	277V	24VDC	0.3 - 2.3 Amps	0.978	1.975"	6"	1.43"
TRA50	TRA50-120V-24VDC	50	120V	24VDC	0.8 - 5.3 Amps	0.978	1.975"	6"	1.43"
	TRA50-277V-24VDC	50	277V	24VDC	0.3 - 2.3 Amps	0.978	1.975"	6"	1.43"
TRA60	TRA60-120V-24VDC	60	120V	24VDC	.4 - 1.4 Amps	0.961	3.00"	7.50"	2.75"
	TRA60-277V-24VDC	60	277V	24VDC	0.2 - 0.6 Amps	0.961	3.00"	7.50"	2.75"
TRA75	TRA75-120V-24VDC	75	120V	24VDC	.4 - 1.4 Amps	0.961	3.00"	7.50"	2.75"
	TRA75-277V-24VDC	75	277V	24VDC	0.2 - 0.6 Amps	0.961	3.00"	7.50"	2.75"
TRA90	TRA90-120V-24VDC	75	120V	24VDC	.4 - 1.4 Amps	0.961	4.1875"	8"	3.25"
	TRA90-277V-24VDC	75	277V	24VDC	0.2 - 0.6 Amps	0.961	4.1875"	8"	3.25"
TRA150	TRA150-120V-24VDC	150	120V	24VDC	.4 - 1.4 Amps	0.961	4.1875"	8"	3.25"
	TRA150-277V-24VDC	150	277V	24VDC	0.2 - 0.6 Amps	0.961	4.1875"	8"	3.25"
TRA200	TRA200-120V-24VDC	200	120V	24VDC	.4 - 1.4 Amps	0.961	4.1875"	8"	3.25"
	TRA200-277V-24VDC	200	277V	24VDC	0.2 - 0.6 Amps	0.961	4.1875"	8"	3.25"
TRA250	TRA250-120V-24VDC	250	120V	24VDC	0.3 - 2.2 Amps	0.964	4.1875"	8"	3.25"
	TRA250-277V-24VDC	250	277V	24VDC	0.12 - 0.8 Amps	0.964	4.1875"	8"	3.25"
TRA300	TRA300-120V-24VDC	300	120V	24VDC	0.3 - 2.6 Amps	0.979	4.1875"	8"	3.25"
	TRA300-277V-24VDC	300	277V	24VDC	0.12 - 1.2 Amps	0.979	4.1875"	8"	3.25"

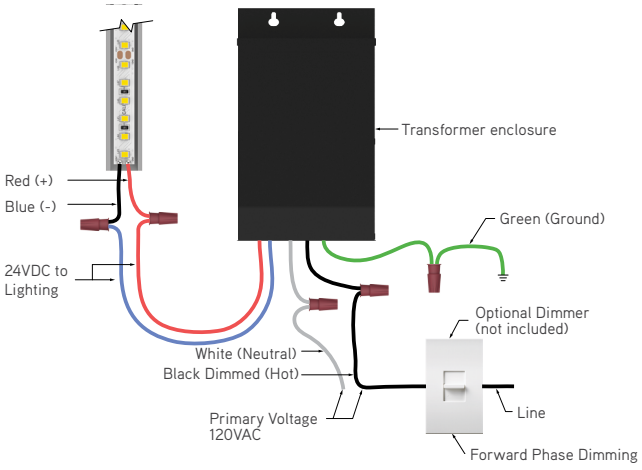
* Class II 12VDC TRA-5, TRA-10, TRA-20, TRA-35, TRA-40, TRA-50, TRA-60
** Class II 24VDC TRA-5, TRA-10, TRA-20, TRA-35, TRA-40, TRA-50, TRA-60, TRA-75, TRA-90
NOTE: DC Part Numbers are only for LEDs.

Dimming Protocol (Forward Phase Dimming) TRA Compatible Dimmers

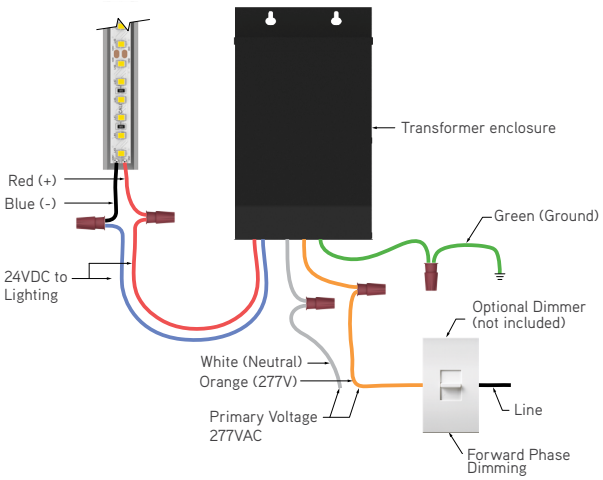
Technical Requirements For Control Equipment

- Magnetic Low Voltage (MLV) - Magnetic (core and coil, toroidal) transformer-supplied low voltage lighting
- Electrical Characteristics - Inductive
- Special Requirements - Symmetric cycles (VDC≤2), smooth turn off (positive and negative periods are equal for safe MLV transformer operation)

TRAXXX-120V-24VDC



TRAXXX-277V-24VDC



FEATURES

Product Codes
LTEA4U1UKL-CV240 - Lutron Hi-lume 1% 24VDC Output
LTEA4U1UKL-AV120 - Lutron Hi-lume 1% 12VDC Output

Case Dimensions: 4.0" H x 4.89" W x 2.62" D
Side Knockouts: 8 locations: 0.5"
4 locations: 0.5" / 0.75"
Bottom Knockouts: 2 locations: 0.5"
2 locations: 0.5" / 0.75"

Features:
- Low Voltage Lighting
- 120V
- 12VDC or 24VDC
- 40VA (Maximum Watts)
- White Finish
- Indoor Rating
- Class: 2
- Forward Phase (2 Wire)
- Listing: UL

ELECTRICAL

The Hi-lume 1% 2-Wire LED Driver (LTEA2W) is a high performance LED driver that provides a smooth, continuous, flicker-free 1% dimming for virtually any LED fixture. Primary voltage is 120V and secondary side is 12VDC or 24VDC. A rated life time of 50,000 hours @tc -149°F (65°C).
Inrush current: < 2A. Minimum operating temperature ta = 32°F (0°C)

FORWARD PHASE DIMMING PROTOCOL

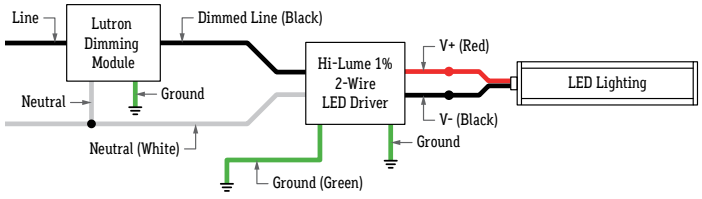
Continuous, flicker-free dimming from 100% to 1%. Guaranteed compatibility with selected Maestro Wireless, RadioRA 2, HomeWorks QS, GRAFIK Eye QS, GRAFIK Systems, Quantum, and C•L Dimmers

MAXIMUM DRIVER TO LED WIRE LENGTH
(Constant Voltage Drivers)

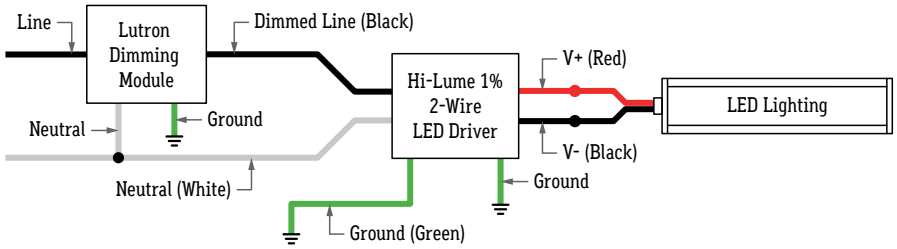
WIRE SIZE	MAXIMUM LEAD LENGTH	
	12VDC	24VDC
24 AWG	2.5'	4'
22 AWG	4'	6'
20 AWG	6'	10'
18 AWG	10'	15'
16 AWG	15'	25'
14 AWG	25'	40'
12 AWG	40'	60'

WIRING DIAGRAMS

Controls Requiring Neutral
Note: Colors shown on diagram correspond to terminals on driver



Controls Not Requiring Neutral
Note: Colors shown on diagram correspond to terminals on driver



FEATURES

Product Codes
L3DA4U1UKL-CV240 - Lutron Hi-lume 1% 24VDC Output
L3DA4U1UKL-AV120 - Lutron Hi-lume 1% 12VDC Output

Case Dimensions: 4.0" H x 4.89" W x 2.62" D
Side Knockouts: 8 locations: 0.5"
4 locations: 0.5" / 0.75"
Bottom Knockouts: 2 locations: 0.5"
2 locations: 0.5" / 0.75"

Features:

- Low Voltage Lighting
- 120V-277V
- 12VDC or 24VDC
- 40VA (Watts)
- White Finish
- Indoor Rating
- Class: 2
- Phase Control (3 Wire)
- Listing: UL

ELECTRICAL

Hi-lume 1% EcoSystem/3-Wire Driver (L3DA) is a high-performance LED driver that provides smooth, continuous 1% dimming for virtually any LED fixture, primary voltage is 120–277 V~ at 50/60 Hz and secondary side is 12VDC or 24VDC. A rated life time of 50,000 hours @tc -149˚F (65˚C).
Inrush current: < 2A. Minimum operating temperature ta= 32˚F (0˚C)

FORWARD PHASE DIMMING PROTOCOL

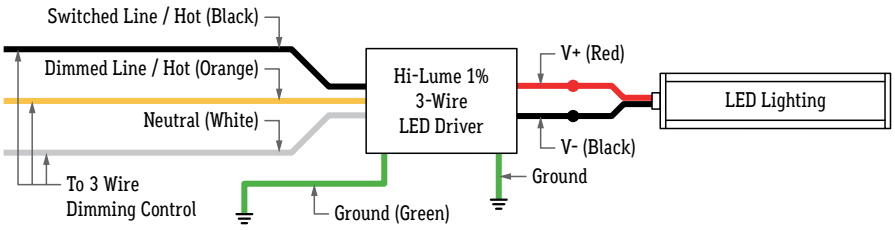
Continuous, flicker-free dimming from 100% to 1%. Compatible with Energi Savr Node unit with EcoSystem, GRAFIK Eye QS control unit, PowPak dimming module with EcoSystem, and Quantum systems, allowing for integration into a planned or existing EcoSystem lighting control solution. Standard 3-wire, line-voltage phase-control technology for consistent dimming performance and compatibility with all Lutron 3-wire fluorescent controls.

MAXIMUM DRIVER TO LED WIRE LENGTH
(Constant Voltage Drivers)

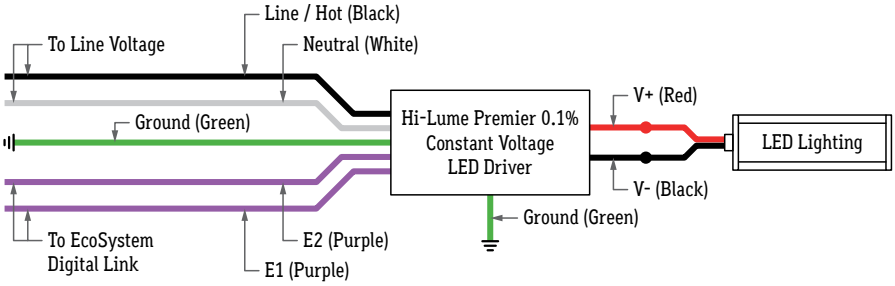
WIRE SIZE	MAXIMUM LEAD LENGTH	
	12VDC	24VDC
24 AWG	2.5'	4'
22 AWG	4'	6'
20 AWG	6'	10'
18 AWG	10'	15'
16 AWG	15'	25'
14 AWG	25'	40'
12 AWG	40'	60'

WIRING DIAGRAMS

L3D Models
3 Wire Controls
Note: Colors shown on diagram correspond to terminals on driver



L3D Models
EcoSystem Digital Controls
Note: Colors shown on diagram correspond to terminals on driver



*trans*FORMER™

Lutron L3D0 (3 Wire)

FEATURES

Product Codes
L3D0-96W24V-U - Lutron Hi-lume Premier 0.1% JA8 96W 24VDC Output

Case Dimensions: 10.5" H x 5.5" W x 2.0" D
Side Knockouts: 4 locations: 0.5"
Bottom Knockouts: 2 locations: 0.5"

Features:

- Low Voltage Lighting
- Universal Voltage (120V-277V)
- 24VDC
- 96VA (Maximum Watts)
- White Finish
- Indoor Rating
- Class: 2
- EcoSystem Controls (L3D0E)
- Listing: UL

ELECTRICAL

Hi-lume Premier 0.1% EcoSystem / 3 Wire constant voltage 24V LED driver with Soft-on, Fade-to-Black. The Hi-lume Premier 0.1% Constant Voltage Driver (L3D0E) is a highperformance LED driver capable of controlling up to 96W of 24V constant voltage loads. This driver provides smooth and continuous dimming down to 0.1% low-end. It is ideal for use with strip lighting in applications such as coves, under or over cabinet lighting and pathway lighting. The driver is UL Listed with an integrated wiring compartment and can be mounted up to 150'away from the load.

DIMMING PROTOCOL

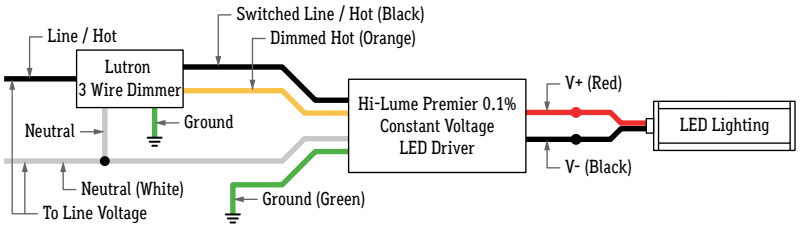
- Continuous, flicker-free dimming from 100% to 0.1%
- Soft-on, Fade-to-Black operation for EcoSystem controls: fades smoothly between 0% and 0.1% when turned on and off for an incandescent like experience.
- PWM dimming meets IEEE1789 over the entire dimming range.
- UL Listed for United States and Canada (cULus®).
- NOM certified for Mexico.
- Field Adjustment Knob offers customer low-end light output tuning for better fixture-to-fixture matching.
- Guaranteed dimming performance when used with Lutron controls:
  - HomeWorks QS, Energi Savr Node units with EcoSystemcontrols, GRAFIK Eye QS with EcoSystem controls, PowPak with EcoSystem dimming modules,PowPak with EcoSystem wireless fixture controls, and Quantum systems, allowing for integration into a planned or existing EcoSystem lighting control solution.
  - Lutron 3-wire controls and interfaces.
- Protected from miswires of input power, up to 277 V~, to EcoSystem control inputs.
- Rated lifetime of 50,000 hours at 40 °C (104 °F) ambient temperature and maximum loading. • FCC Part 15
- Class A (277 V~)
- Class B (120 V~)

MAXIMUM DRIVER TO LED WIRE LENGTH
(Constant Voltage Drivers)

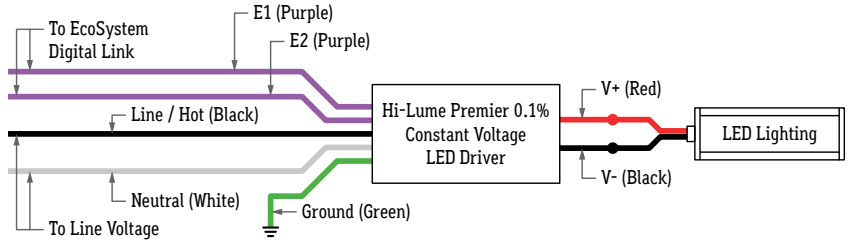
WIRE SIZE	MAXIMUM LEAD LENGTH	
	12VDC	24VDC
24 AWG	2.5'	4'
22 AWG	4'	6'
20 AWG	6'	10'
18 AWG	10'	15'
16 AWG	15'	25'
14 AWG	25'	40'
12 AWG	40'	60'

WIRING DIAGRAMS

Controls Requiring Neutral
Note: Colors shown on diagram correspond to terminals on driver

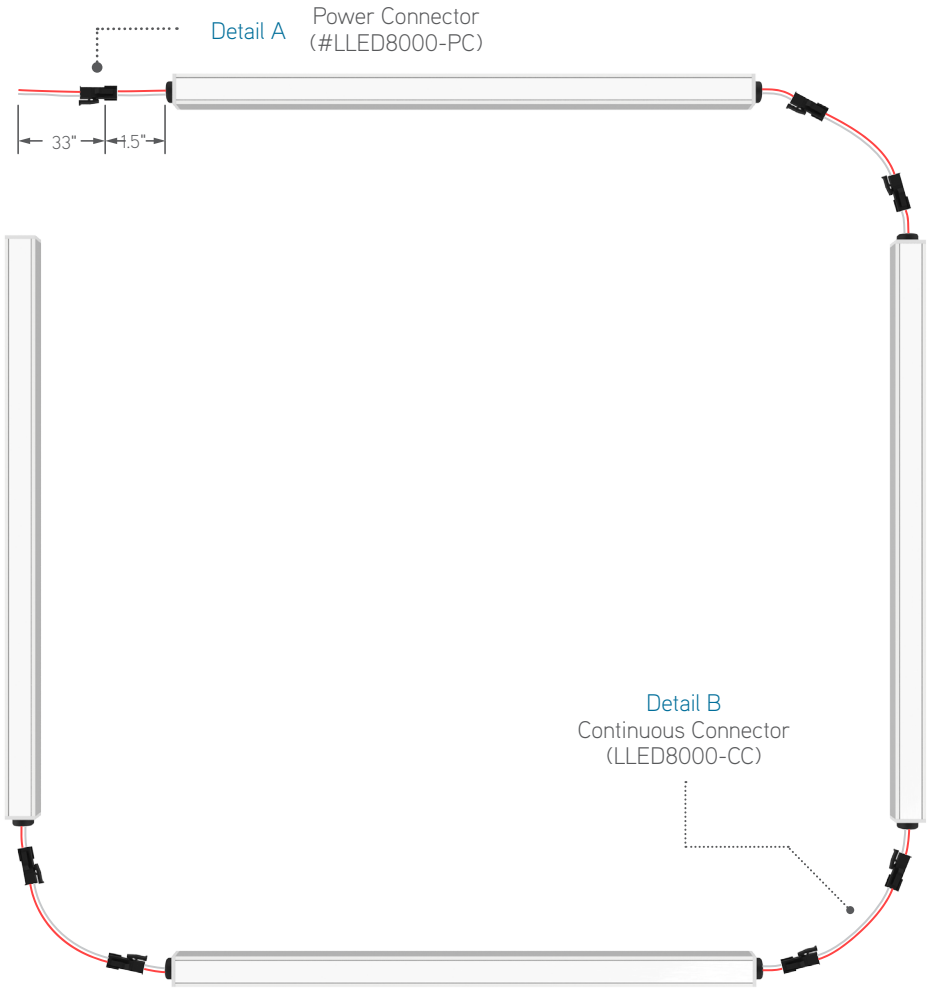


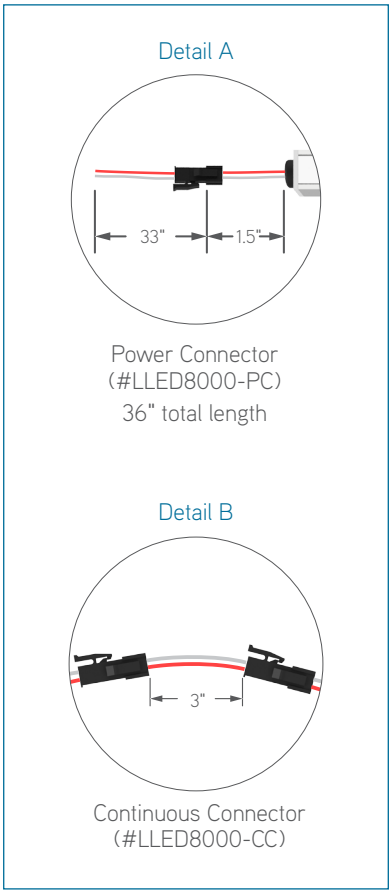
Controls Not Requiring Neutral
Note: Colors shown on diagram correspond to terminals on driver



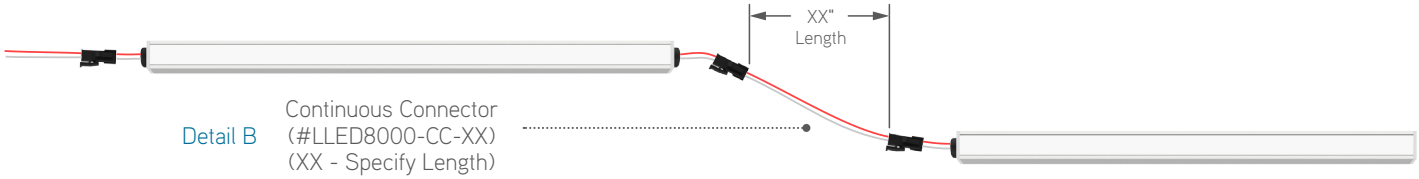
Option A - Straight Runs

Option B - Rectangular Runs





Option C - Runs with Custom Continuous Connector



APPLICATIONS

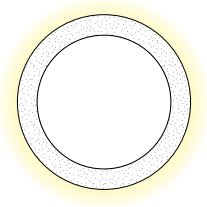
Accent Lighting

Cove Lighting

LLED8000-UC

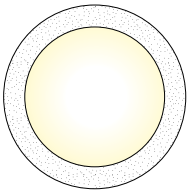
LLED8000-L

Field Curveable Lighting



LLED8000-LPL

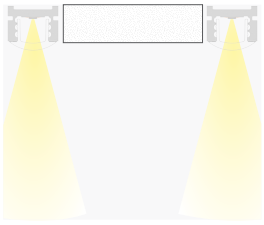
LLED8000-LPL



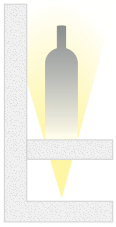
LLED8000

LLED8000-LPL

Wall Grazing



LLED8000-SR-30D

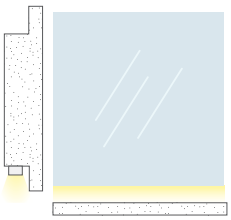


LLED8000-SR-15D

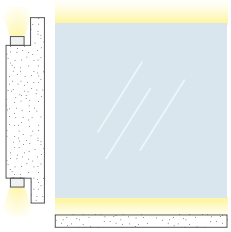
LLED8000-SR-45D

LLED8000-SR-60D

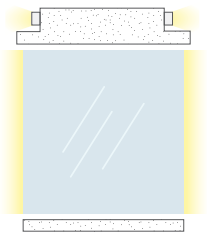
Mirror Lighting



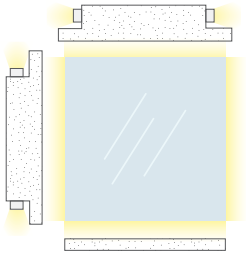
LLED8000-ST



LLED8000-L-F



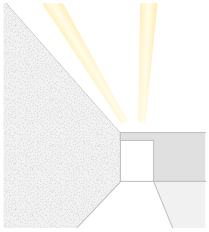
LLED8000-SR-F



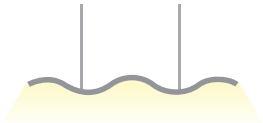
LLED8000-OL-F

Direct View Lighting

Recessed to wall
LLED8000-RCR-F



Recessed to ceiling
LLED8000-RCR-F



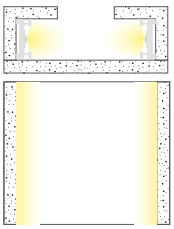
Pendant Mount
LLED8000-SR-F

Pendant Mount
LLED8000-RC-F

APPLICATIONS

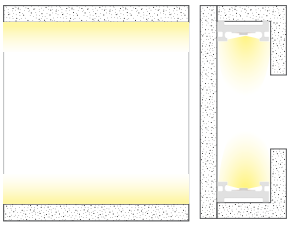
Accent Lighting

Back Lighting

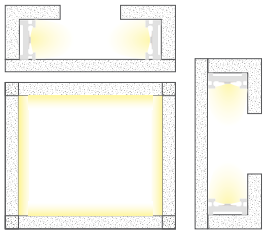


LLED8000-UC

Panel Lighting

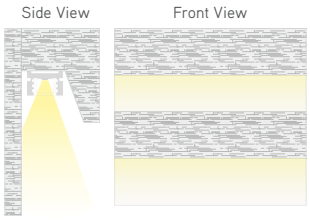


LLED8000-UC



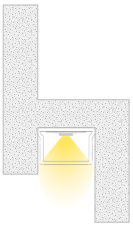
LLED8000-UC

Cornice Lighting

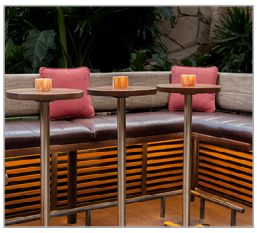


LLED8000-L

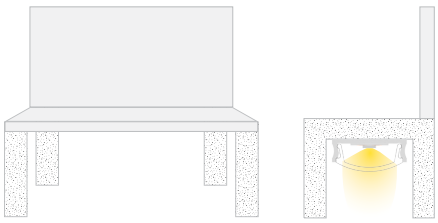
Toe Kick Lighting



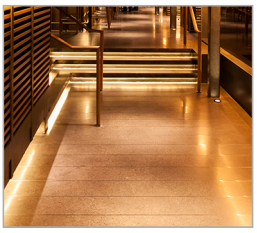
LLED8000-ST-F



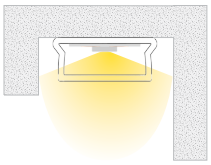
Underbench Lighting



LLED8000-LPL

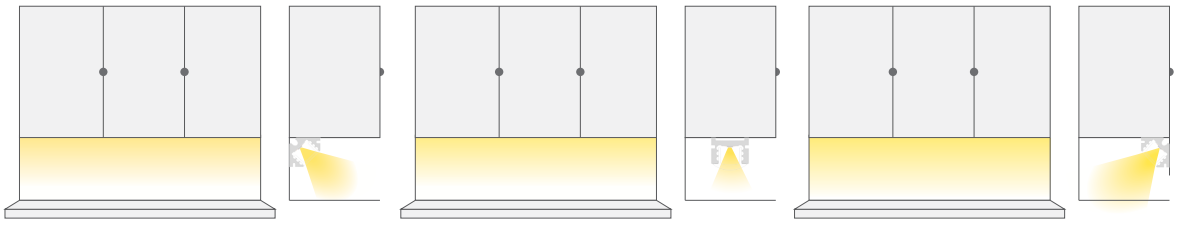


Step Lighting



LLED8000-STL

Undercounter Lighting

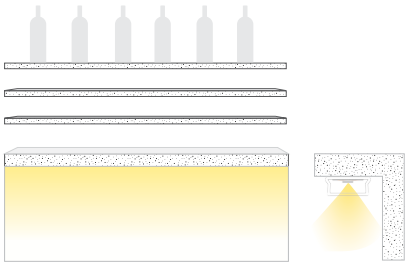


LLED8000-CMC-F

LLED8000-SR-F

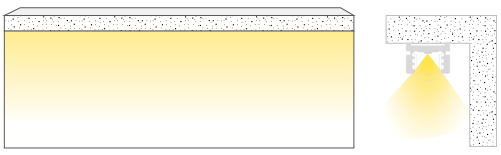
LLED8000-CMC-F

Bartop Lighting



LLED8000-STL

Back Bartop Lighting



LLED8000-SR-F

CALI

CALIFORNIA ACCENT LIGHTING, INC.
2820 E. Gretta Lane, Anaheim, CA 92806
ph. 800.921.CALI or 714.535-7900 | fx. 714.535.7902
info@calilighting.com | calilighting.com

© CALI. All rights reserved. CALI reserves the right to make changes or withdraw specifications without prior notice.

MADE IN U.S.A.

01.23.2020