

# lipLEDs™ 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

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





## lipLEDs™ 8000 SERIES FEATURES

lipLEDs™ 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

<b>APPLICATIONS</b>	Accent, Decorative, Surface, Recessed, Pendant Lighting
<b>LAMP TYPE</b>	LEDs
<b>CRI</b>	> 95
<b>VIEWING ANGLE</b>	120°
<b>MOUNTING</b>	Mounting Channel or Mounting Clips (Sold Separately)
<b>WEIGHT</b>	0.016 lbs per foot
<b>CONSTRUCTION</b>	Flexible LED Tape
<b>LENGTH</b>	Built to Order
<b>LISTING</b>	Dry or Wet (IP67) Location UL2108, CSA C22.2 #9 UL8750, CSA250

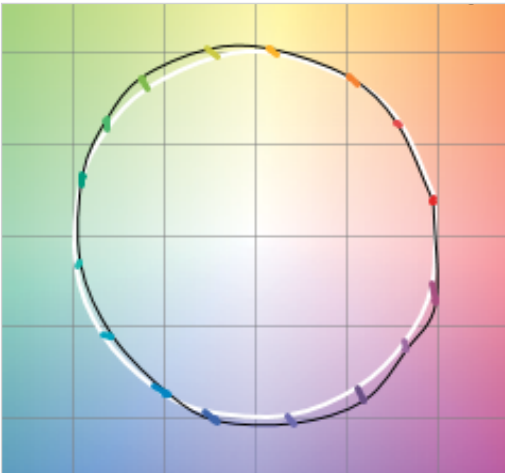
### ELECTRICAL

<b>DIMMING</b>	Forward Phase, 0-10V, Lutron, DALI
<b>MAXIMUM RUN</b> (Based on 5 Amps)	18' (6.5W), 21' (5.5W), 26' (4.5W), 33' (3.6W), 36' (1.5W, 2.5W)
<b>MAXIMUM RUN</b> (Based on 4 Amps for Class II)	14' (6.5W), 17' (5.5W), 21' (4.5W), 26' (3.6W), 36' (1.5W, 2.5W)
<b>VOLTAGE</b>	24VDC
<b>DRIVER</b>	Remote (Sold Separately)
<b>TEMPERATURE RATINGS</b>	Operating / Startup: -20° to 48°C (-4° to 120°F) Storage: -40° to 76°C (-40° to 170°F)

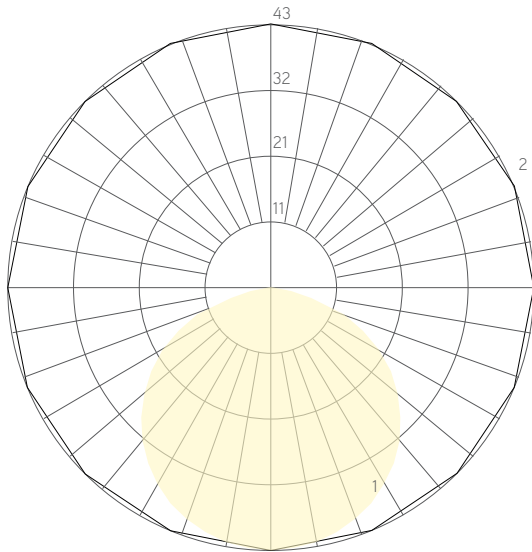


# PERFORMANCE

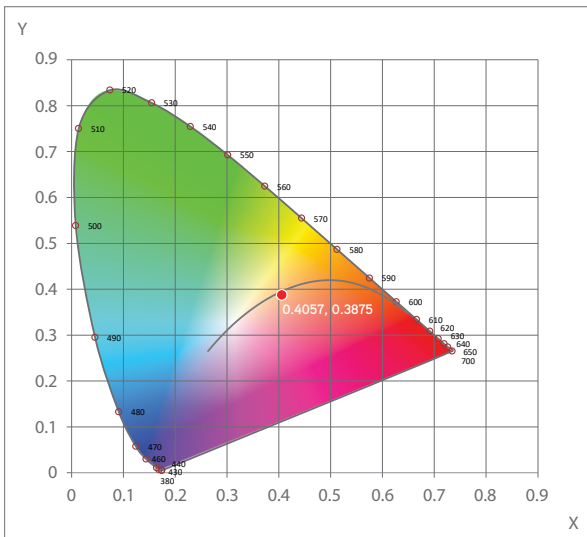
Color Vector Graphic



Polar Graph



Chromaticity Diagram



## TM-30

### GRAPHIC SHIFTS (%)

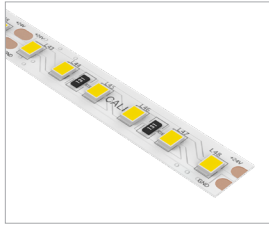
HUE BIN	R <sub>f</sub>	CHROMA	HUE
1	79	-10%	0%
2	79	-8%	8%
3	70	-2%	14%
4	85	2%	8%
5	90	5%	5%
6	90	6%	-3%
7	84	-2%	-8%
8	89	-6%	-4%
9	85	-6%	3%
10	78	-6%	11%
11	77	2%	14%
12	79	6%	9%
13	88	8%	-7%
14	67	4%	-20%
15	84	0%	-10%
16	75	-7%	-14%

### LAMP SPECIFICATIONS

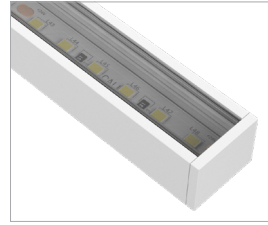
LAMP NUMBER	CORRELATED COLOR TEMPERATURE	EFFICACY (LUMENS / WATT)	JA8	L70 LED LIFE
2.4K	2400K Incandescent White	90	Yes	60,000 hrs.
2.7K	2700K Warm White	101	Yes	60,000 hrs.
3.0K	3000K Warm White	100	Yes	60,000 hrs.
3.5K	3500K Neutral White	103	Yes	60,000 hrs.
4.0K	4000K Neutral White	105	Yes	60,000 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.


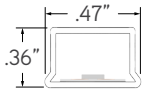

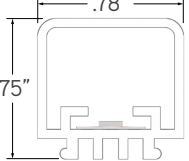
# LENS AND SINGLE LIGHT STRIP



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
1.5W, 2.5W	1.5W - 4.5W
	
3.6W, 4.5W, 5.5W, 6.5W	5.5W - 6.5W
	

## Lens

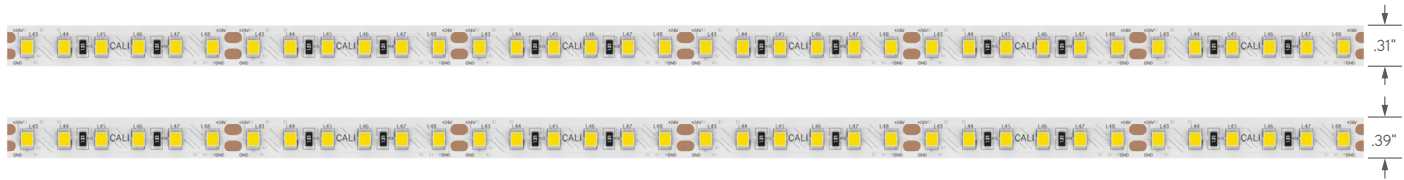
Clear Lens (CL)  
50% Semi-Frosted Lens (SF)  
100% Frosted Lens (F)

## Optics

15°, 30°, 45°, 60°, 120°, and Asymmetric  
Applicable to:  
LLED8000-RC  
LLED8000-RCR  
LLED8000-SR

**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)



## SPECIFY PRODUCT CODE

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

\*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% LTA2W #LTA4U1UKL-CV240

\*6 40 watt max Hi-Lume 1% L3DA3W #L3DA4U1UKL-CV240

\*7 96 watt max Hi-Lume Premier 0.1% #L3D0-96W24V-U

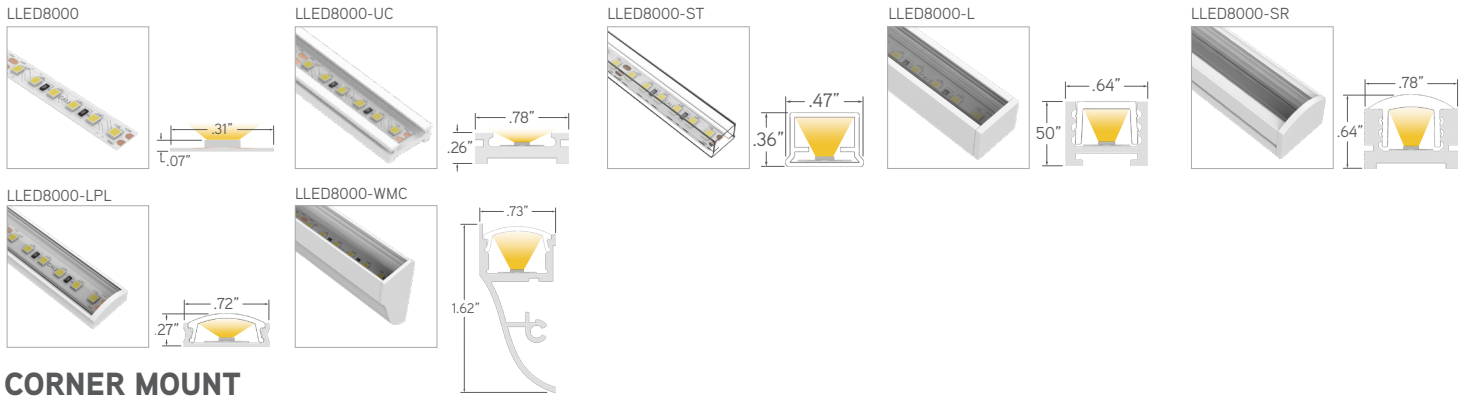
\*8 Amber, Red, Green, and Blue LEDs only available in 2.5W and 5.5W

\*9 Run lengths required for Wet Location and IP67 products

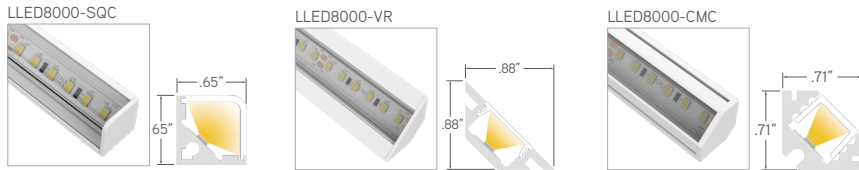


## SURFACE MOUNT

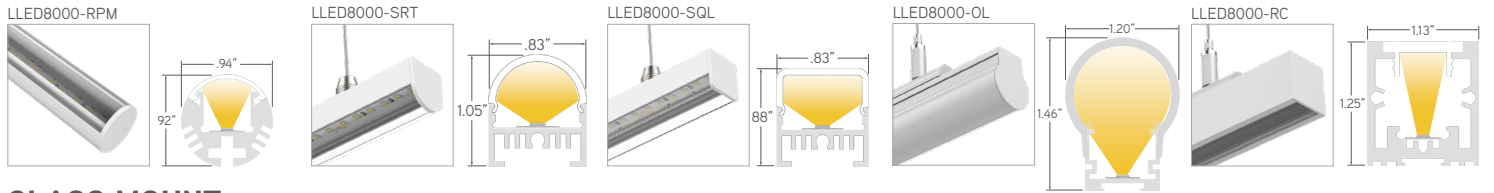
± .015" Tolerance



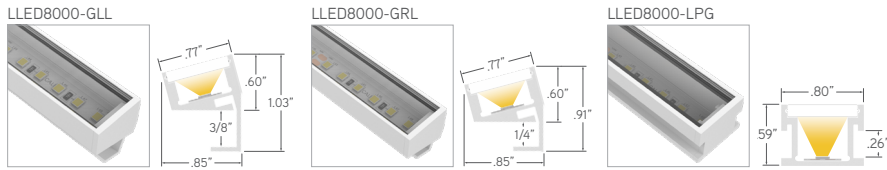
## CORNER MOUNT



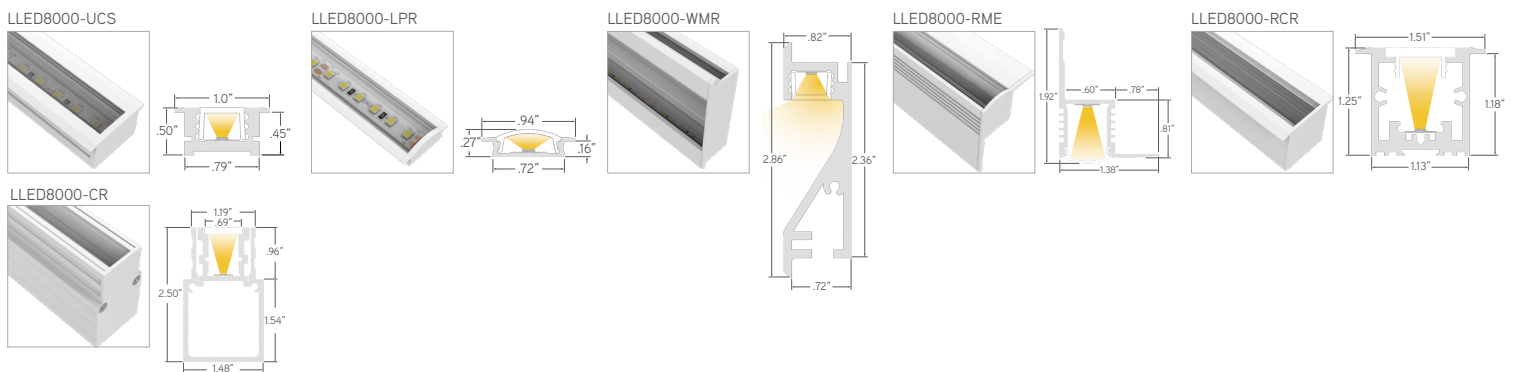
## PENDANT MOUNT



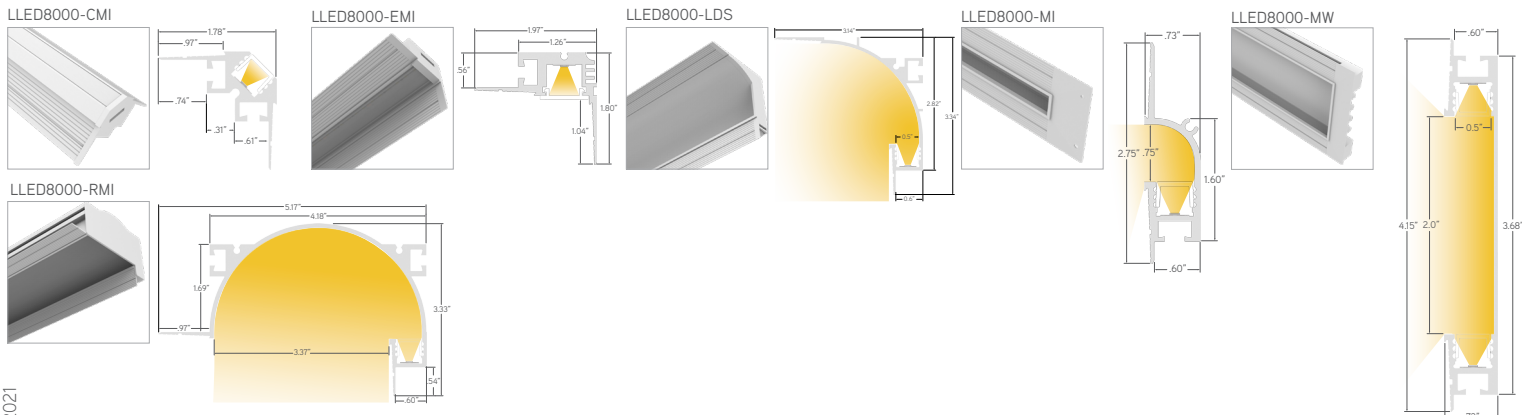
## GLASS MOUNT



## RECESS MOUNT




## MUD-IN

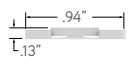


## SURFACE MOUNT | Mounting Options

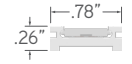
**LLED8000**



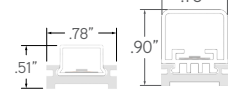
Mounting Clip (Dry Location) #LLED8000-MCS



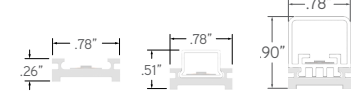
Channel Clip (Dry Location) #LLED8000-UC-CP



Mounting Clip (Wet Location) #LLED8000-MCS-WET




Mounting Channel (Dry or Wet Location) #LLED8000-UC

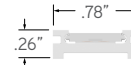



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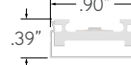
**LLED8000-UC**



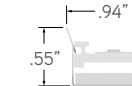
Mounting Clip LLED8000-UC-MC



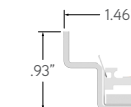
Mounting Clip LLED8000-UC-MC



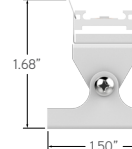
Mounting Clip 1 #LLED8000-UC-MC-2



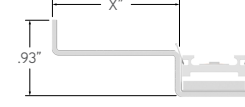
Mounting Clip 2 #LLED8000-UC-MC-3



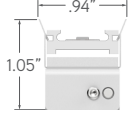
Mounting Clip 3 #LLED8000-UC-MC-3



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

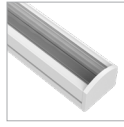


Adjustable Mounting Clip #LLED8000-UC-MC-ADJ

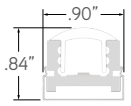



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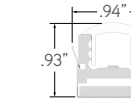
**LLED8000-SR**



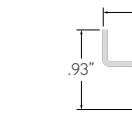
Mounting Clip #LLED8000-SR-MC



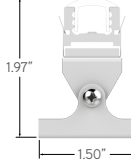
Mounting Clip 1 LLED8000-SR-MC-1




Mounting Clip 2 #LLED8000-SR-MC-2



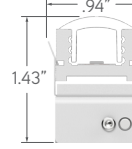
Mounting Clip (Adjustable) #LLED8000-SR-MC-3



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

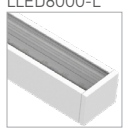


Adjustable Mounting Clip #LLED8000-L-MC-ADJ

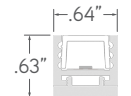



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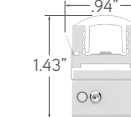
**LLED8000-L**



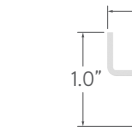
Mounting Clip LLED8000-L-MC



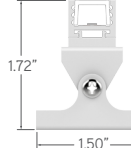
Adjustable Mounting Clip LLED8000-L-MC-ADJ



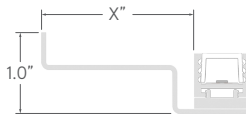
Mounting Clip 2 LLED8000-L-MC-2



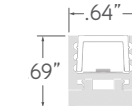
Mounting Clip 3 LLED8000-L-MC-3



Mounting Clip 4 LLED8000-L-MC-4-X




Magnetic Mounting Clip LLED8000-L-MC-MM

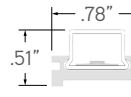



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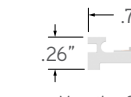
**LLED8000-ST**



Mounting Clip #LLED8000-ST-MC




Mounting Channel #LLED8000-ST-UC

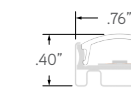



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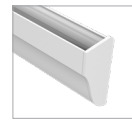
**LLED8000-LPL**



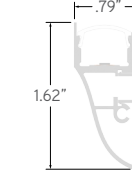
Mounting Clip #LLED8000-LPL-MC-1



**LLED8000-WMC**




Mounting Clip #LLED8000-WMC-MC

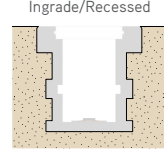


## RECESS MOUNT | Mounting Options


**LLED8000-CR**



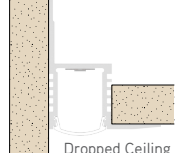
Ingrade/Recessed



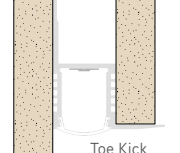
**LLED8000-RME**




Dropped Ceiling



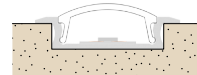
Toe Kick



**LLED8000-LPR**




Recessed Channel

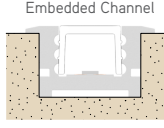



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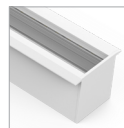
**LLED8000-UCS**



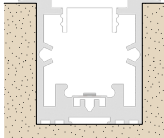
Embedded Channel



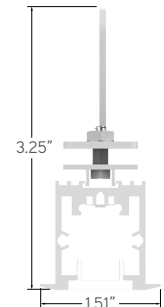
**LLED8000-RCR**




Mounting Clip #LLED8000-RCR-MC



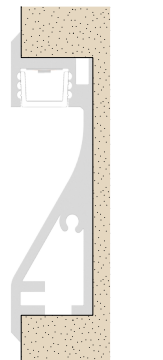
Hanging Mounting Clip #LLED8000-RCR-MC-H



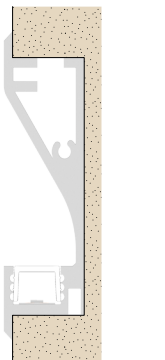
**LLED8000-WMR**



Recessed Channel (Downward Facing)



Recessed Channel (Upward Facing)

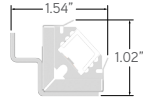


# CORNER MOUNT | Mounting Options

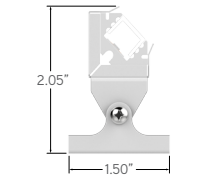
LLED8000-CMC



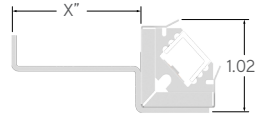
Mounting Clip 1  
#LLED8000-CMC-MC-1



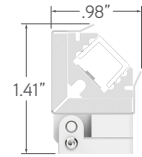
Mounting Clip 2  
#LLED8000-CMC-MC-2



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

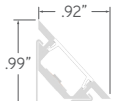


Mounting Clip 4  
#LLED8000-CMC-MC-4-X



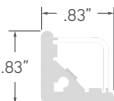
Adjustable Mounting Clip  
#LLED8000-CMC-MC-ADJ

LLED8000-VR



Mounting Clip  
#LLED8000-VR-MC

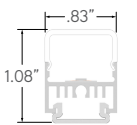
LLED8000-SQC



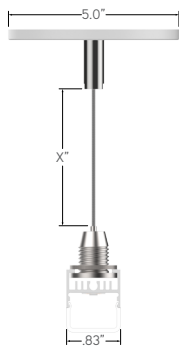
Mounting Clip  
#LLED8000-SQC-MC

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

LLED8000-SQL



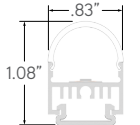
Mounting Clip  
#LLED8000-SQL-MC



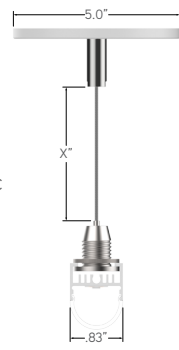
(#LLED8000-SQL-CN-X)  
(XX = Finish)

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

LLED8000-SRT



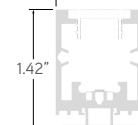
Mounting Clip  
#LLED8000-SRT-MC



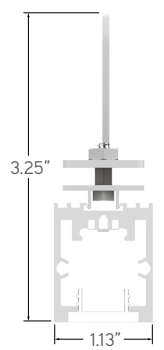
(#LLED8000-SRT-CN-X)  
(X = Finish)

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

LLED8000-RC

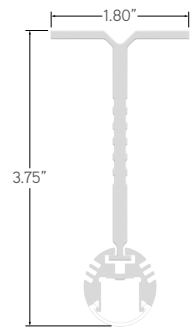
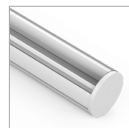


Mounting Clip  
#LLED8000-RC-MC



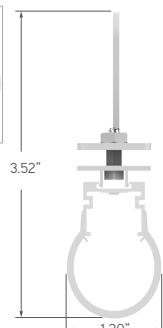
Hanging Mounting Clip  
#LLED8000-RC-MC-H

LLED8000-RPM

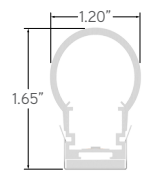


Mounting Bracket  
#LLED8000-RPM-MB

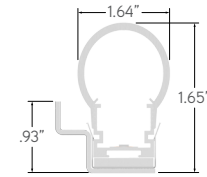
LLED8000-OL



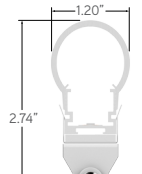
Hanging Mounting Clip  
#LLED8000-OL-MC-H



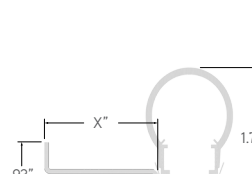
Mounting Clip 1  
#LLED8000-OL-MC-1



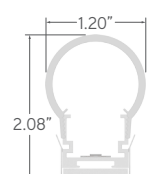
Mounting Clip 2  
#LLED8000-OL-MC-2



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)

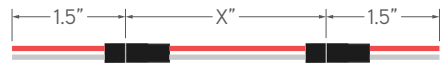
# Power Connectors and Continuous Connectors | Dry and Wet Location



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)

**Note:** Connectors available with black or white jacket. Click on image to see cut sheet for details.

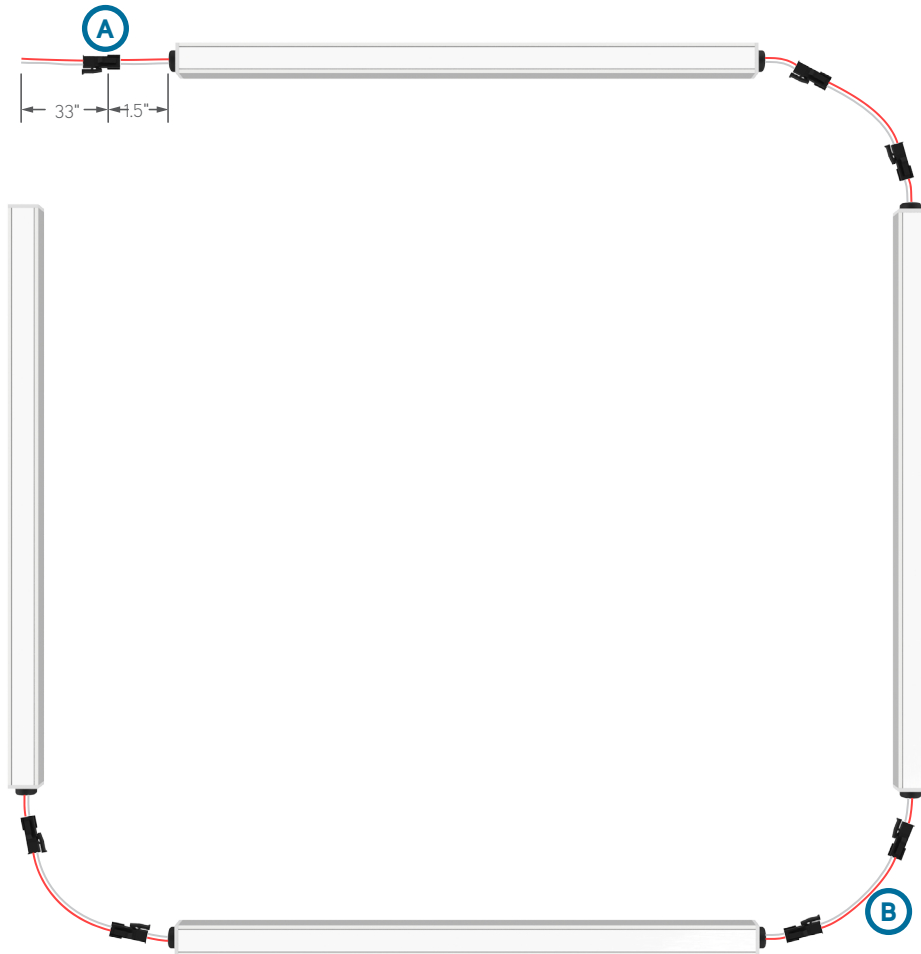
**Note:** Connector type subject to change without notice.



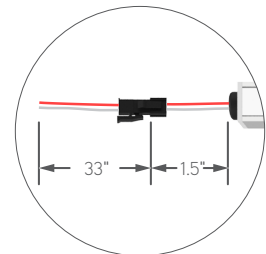
## Option A - Straight Runs



## Option B - Rectangular Runs

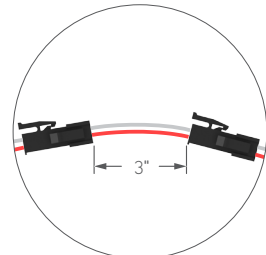


### Detail A



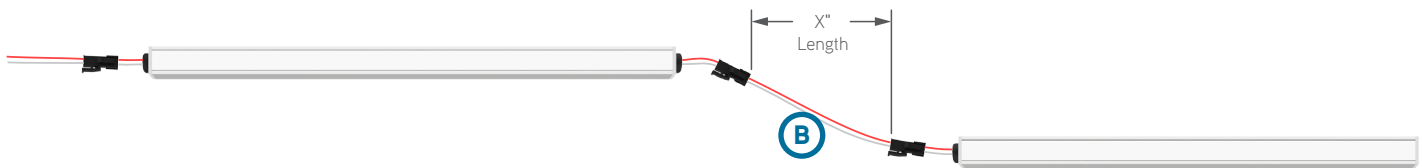
Power Connector  
(#LLED8000-PC)  
36" total length

### Detail B



Continuous Connector  
(#LLED8000-CC)

## Option C - Runs with Custom Continuous Connector



# APPLICATIONS

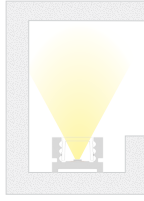


Cove Lighting

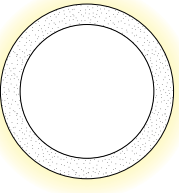
LLED8000-UC



LLED8000-L



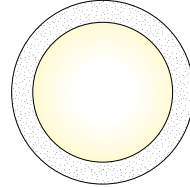
Field Curveable Lighting



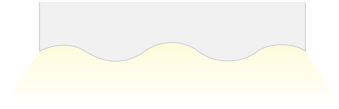
LLED8000-LPL



LLED8000-LPL



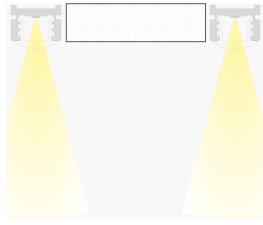
LLED8000



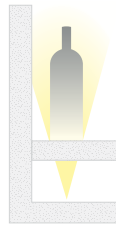
LLED8000-LPL



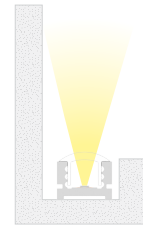
Wall Grazing



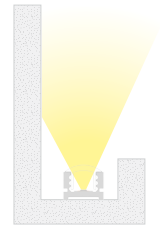
LLED8000-SR-30D



LLED8000-SR-15D



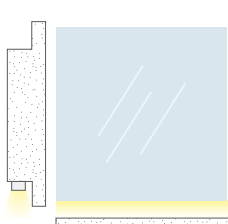
LLED8000-SR-45D



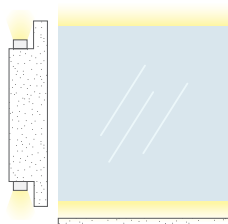
LLED8000-SR-60D



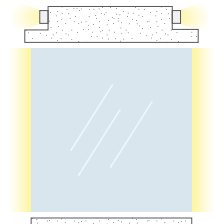
Mirror Lighting



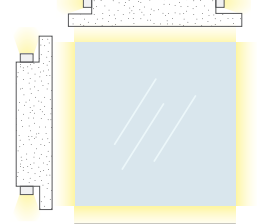
LLED8000-ST



LLED8000-L-F



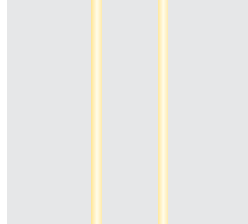
LLED8000-SR-F



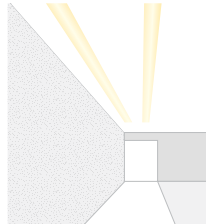
LLED8000-OL-F



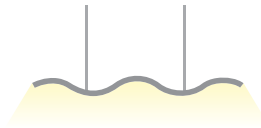
Direct View Lighting



Recessed to wall  
LLED8000-RCR-F



Recessed to ceiling  
LLED8000-RCR-F

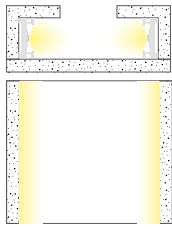


Pendant Mount  
LLED8000-SR-F



Pendant Mount  
LLED8000-RC-F

# APPLICATIONS



Back Lighting

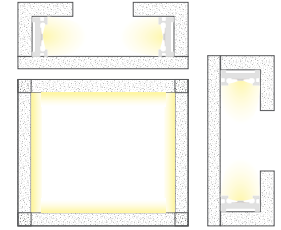
LLED8000-UC



Panel Lighting



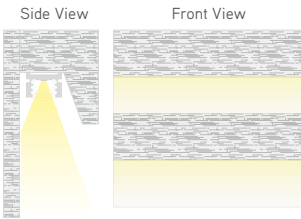
LLED8000-UC



LLED8000-UC



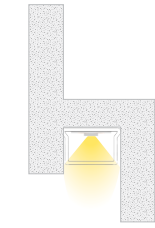
Cornice Lighting



LLED8000-L



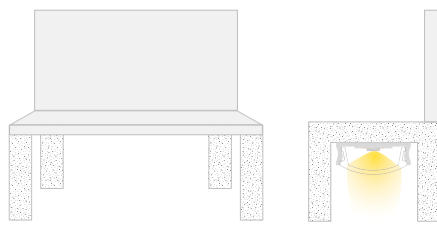
Toe Kick Lighting



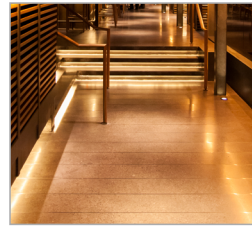
LLED8000-ST-F



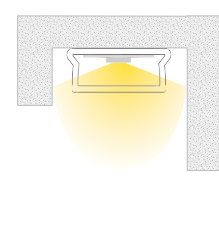
Underbench Lighting



LLED8000-LPL



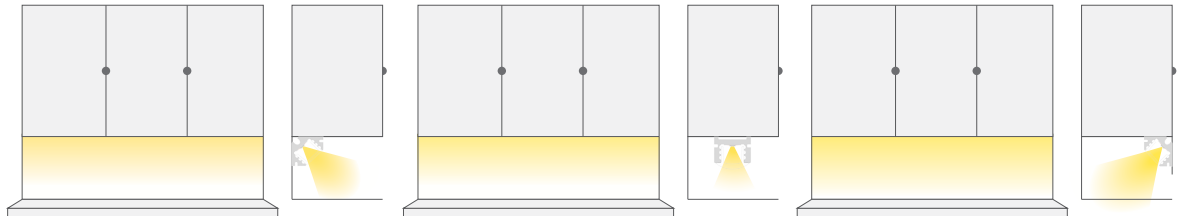
Step Lighting



LLED8000-STL



Undercounter Lighting



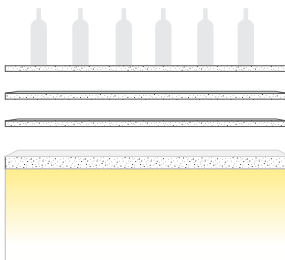
LLED8000-CMC-F

LLED8000-SR-F

LLED8000-CMC-F



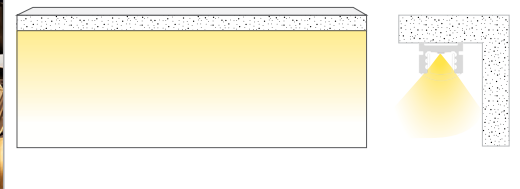
Bartop Lighting



LLED8000-STL



Back Bartop Lighting



LLED8000-SR-F





# CALI

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12.12.2021