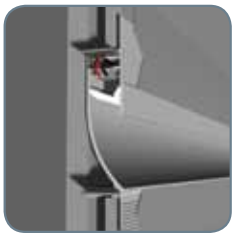
solid state luminaires

Type:	Approved:
Fixture:	
Project:	

MICROLINE COVE



The **MICROLINE COVE** is a robust architectural lighting system for interior design applications. **MICROLINE COVE** is a modular construction system for creating various lighting effects. It's perfect for architectural design accents, minimalist cove style applications and also for areas that need light but have limited space. Available in 2700K, 3000K and 4000K color temperatures. Low energy consumption.

SPECIFICATION

color temperature	2700K	3000K	4000K	
beam spread	120°			
lumen output per foot	MLC/118	MLC/121	MLC/127	
LEDs per foot	12			
color consistency	3-step MacAdam Ellipse			
lifetime	> 50,000 hours / L90 or better			
input voltage	24V DC constant voltage			
power consumption	4.5W per foot			
dimensions [L x W x H]	8 ft straight and 4 ft corner sections – all lengths can be modified in the field.			
weight	0.5 lbs per foot			
housing	extruded aluminum (4', 8' lengths) with polycarbonate diffuser lens (48" lengths) - all lengths can be modified in the field.			
mounting	wall integrated extrusion with straight wall, inside/outside corner applications and universal orientation installation.			
operating temperature	15°C to 40°C			
junction temperature	45°C @ T^A 25°C			
power supply	Class 2, 98W max, UL listed			
certification	ETL / cETL / CE / UL approved power supply			
standards	UL-Class II / CE Class III / IES LM-79 / LM-80			
environment	IP20 rated for interior use only.			
warranty	5 year limited warranty (refer to website for details)			
installation	http://tinyurl.com/h2jc8f2			

Due to continuous development and improvements, specifications are subject to change without notice.

CATALOG NUMBER

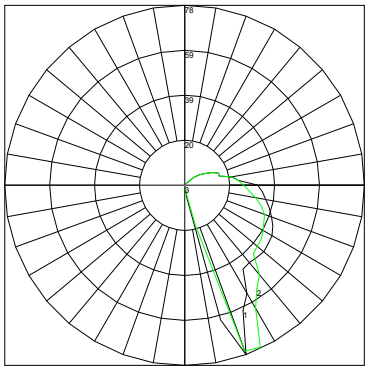
MLC						
model	**color temperature**	**length in feet***	**color**		**system components**	
MLC MICROLINE COVE	**27K** 2700K	**X-FT*** Feet indicated by continuous run lengths	**WH**	White	**DIM**	0-10V Dimming
	3K 3000K		**NP**	No Paint		
	4K 4000K		**CC**	Custom		

* A drawing with space dimensions is required to obtain a quote for Microline Cove. Continuous run lengths are determined by SSL.

PHOTOMETRY

MICROLINE COVE (MLC) - 12" 3K LED STRIP

MLC 12" 3K - Candlepower Curve

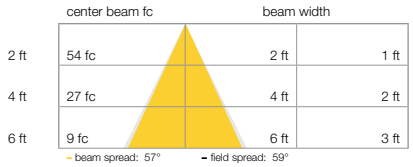


Zonal Lumen Summary

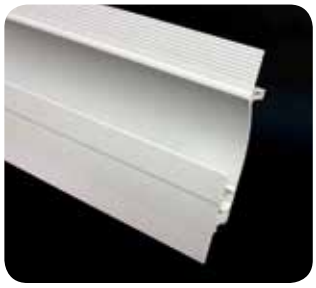
Zone	Lumens	%Lamp	%Luminaire
0-30	16	14%	14%
0-40	29	23%	23%
0-60	55	46%	46%
60-90	41	34%	34%
0-90	97	80%	80%
90-180	24	20%	20%
0-180	121	100%	100%

Efficiency Total: 100%

Illuminance at a Distance



MICROLINE COVE - MLC



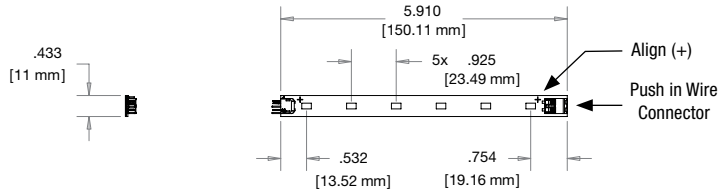
LED Strips & Connector Types

Connection details for various size LED Strips and their assembly function. The LED Strips needed are determined by fixture run lengths, inside corners and outside corners of your design configuration. The maximum LED run length is 20 feet.

LED Strips end connector descriptions (Maintain positive (+) alignment when determining configuration.)

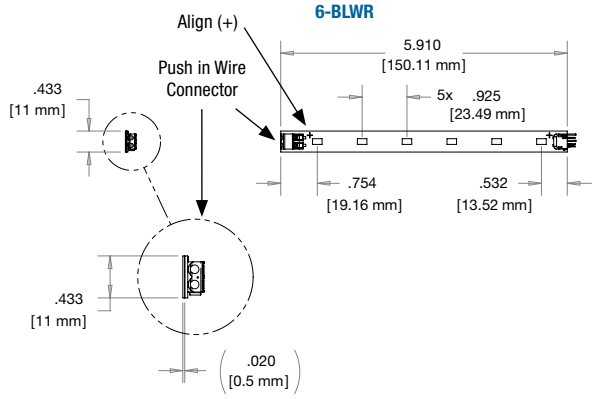
LED Strips with Push in Wire Connectors are used to start a linear run from lead wires or jump between LED strips with wire.		
6" LED strip - Wire Connect Left / Board Connect Right	—	Push in Wire Connector Left, Board to Board Connector Right
6" LED strip - Board Connect Left / Wire Connect Right	—	Board to Board Connector Left, Push in Wire Connector Right
12" LED strip - Wire Connect Left / Board Connect Right	—	Push in Wire Connector Left, Board to Board Connector Right
12" LED strip - Board Connect Left / Wire Connect Right	—	Board to Board Connector Left, Push in Wire Connector Right
LED Strips with Board to Board Connectors, Left & Right, are used to extend a linear run from..		
12" LED strip - Board Connect Left / Board Connect Right	—	Board to Board Connector Left, Board to Board Connector Right
24" LED strip - Board Connect Left / Board Connect Right	—	Board to Board Connector Left, Board to Board Connector Right

6" LED Strip (Uses Push in Wire Connector to start a run from the Left or Right direction.)



6-WLBR

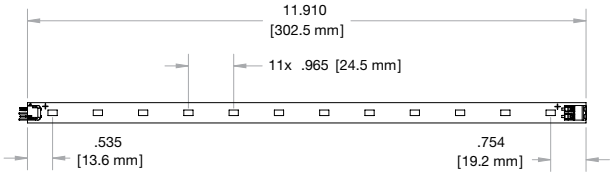
6-BLWR



12" LED Strip (Used for starting a run, jumping with wire connector, or to terminate at Snap Line.)

12-WLBR

12-BLWR



CONNECTOR TYPES for LED Strips

There are two connector types for the LED Strips and splice or snap line locations as well. The **Push-In Wire Connector** is used to begin an LED run with wire leads from the driver, or to make small wire jumps, like rounding an inside or outside corner. Next is the **Board to Board Connector** for chaining the LED Strips together end to end.

Note: POSITIVE Symbol (**+**) always has to be aligned on the same side of each connected board.

Push in Wire Connection (Max. gauge 18 AWG)

Board Connection 1) Always align (+) on LED Strips

Board Connection 2) Align metal contacts

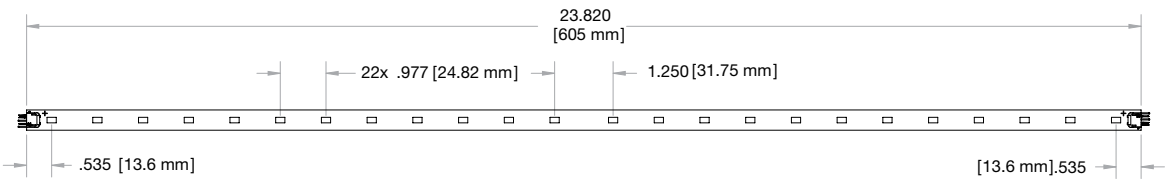
Board Connection 3) push together

24V DC Low Voltage System

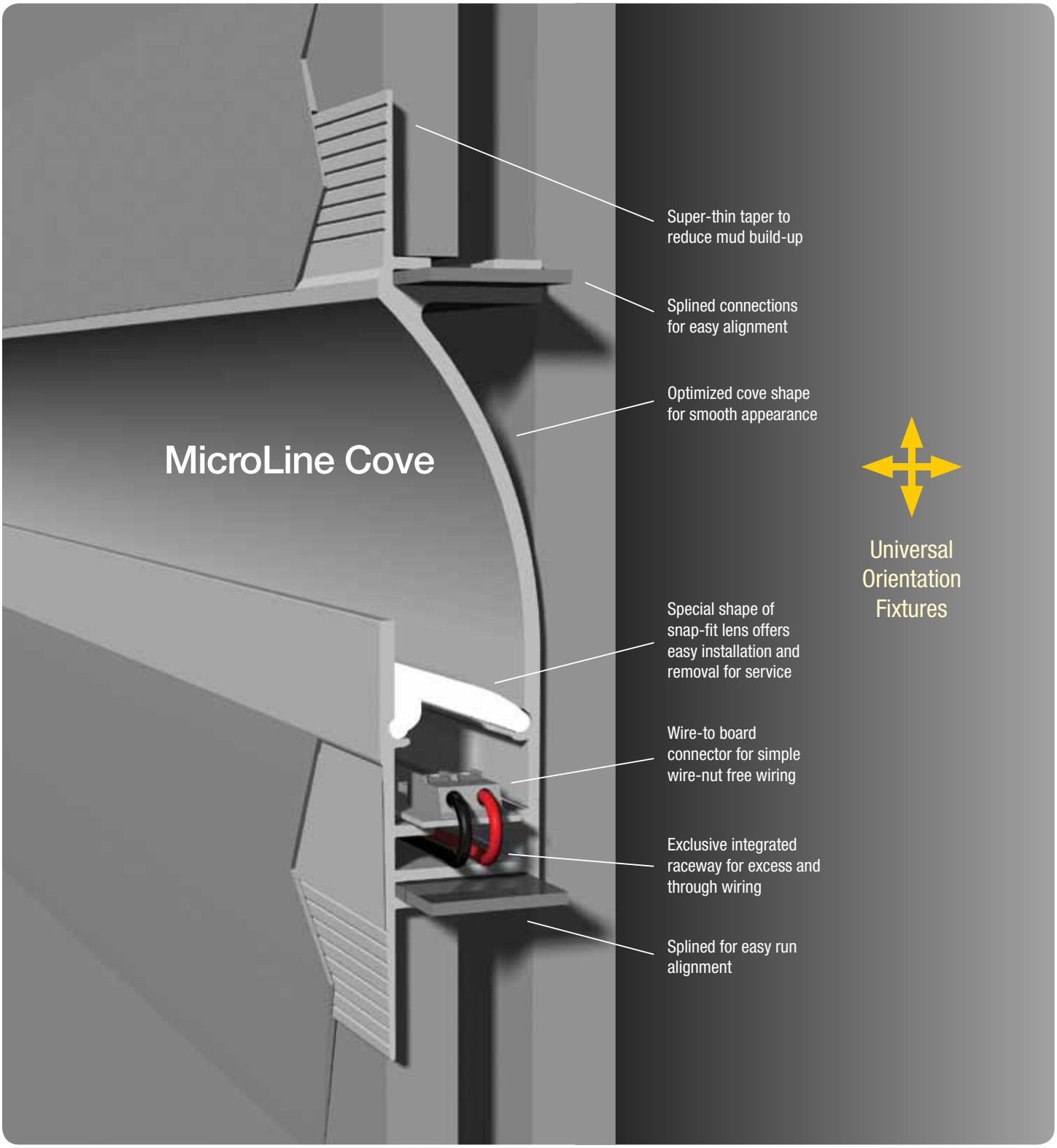
MicroLine LED Strips run on a 24V DC, constant voltage system. The maximum recommended wire gauge is 18 AWG strand. The LED Strips have a thin metal backing that helps keep them rigid for assembly, adds to thermal control, and yet allows flexibility for linear installation. Max 20' run of LED Strips per 98W driver.

24" LED Strip (Used to extend a run with Board to Board Connectors left and right, or terminate at Snap Line.)

12-BLBR & 24-BLBR



CONSTRUCTION

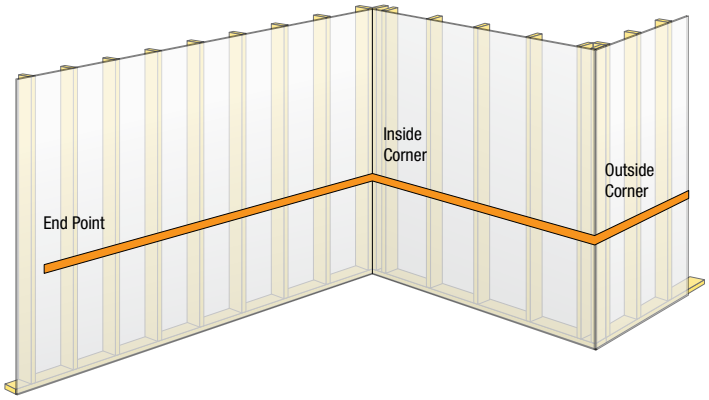


PLANNING

MICROLINE COVE is the solution for architecturally integrated lighting design without the appearance of hanging or surface mounted fixtures. This unique LED modular fixture offers an unprecedented opportunity to provide maximum effect and efficiency.

Plan for position, length, inside corners and outside corners.

Planning the length of your linear run, including inside and outside corners, will determine the amount of MicroLine Cove required to complete the extrusion and LED installation.



Inside and Outside Corners include:

4' left and 4' right mitred fixture housing, with L-shaped joint plates to help align left and right mitres at the corner during installation.

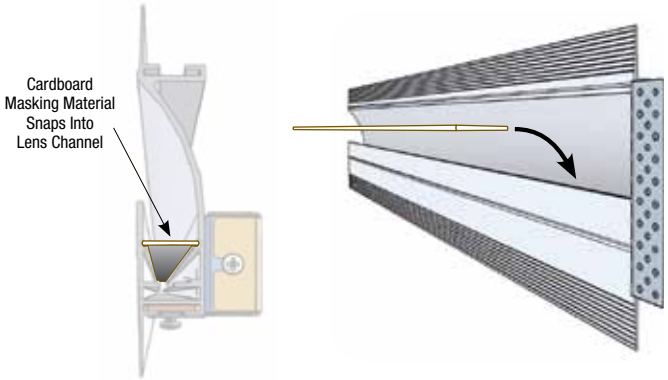
Straight run includes:

8' straight sections with 1.5" long joint plates to align extended, straight fixture runs during installation.

Power Supply location:

Because the power supply location can vary greatly, it's IMPORTANT to know if your supply starts at the Left, Center or Right of each run.

Coated cardboard masking material provided to protect inner channel during wall finishing process, prior to installing LED strips and Lens.



MICROLINE COVE SYSTEMS

MicroLine COVE is integrated flush with the wall surface and appears as a linear light running across or through the surface. The fixture housing can be installed using universal orientation.

MICROLINE COVE HOUSING

MICROLINE COVE - DIMENSIONS