

## LED Flexible Strip

### RGB Mixes Series



### Features

The CMLP Series is a flexible, efficient, highly customizable LED strip. This strip offers RGB with CW and WW for maximum color rendering capabilities. This feature broadens the light spectrum, and allows for deeper blues and purples, achieving bolder colors and more vibrant pastels than normal RGB/RGBW. At 5.49 watts per foot and 128 lumens per watt (CRI 80+), the CMLP boasts both high efficacy and high CRI option with 45 LEDs per foot. The CMLP offers customization with multiple channel options and a segment length of 2.46". IP20 and IP65 options available. UL and CE with a 3 year warranty.

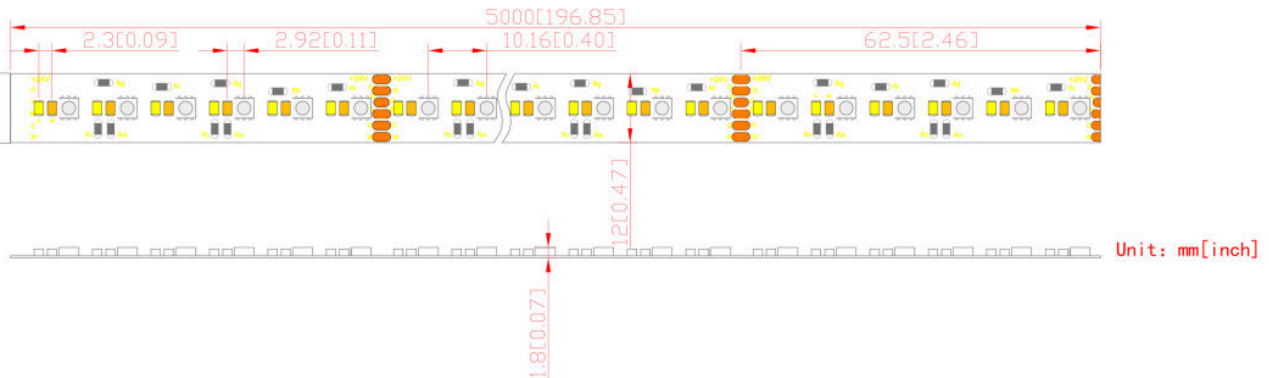
### Applications

The CMLP is engineered for indirect lighting in showcases, shelving, cabinetry, billboards, signage, hotels, gardens, bridges, corridors, ceilings, stairways, coves, theatres, elevators, and suitable for countless other applications that call for side view lighting.



## LED Flexible Strip

### Diagram



### Specification

Part No.	Dimension (L*W*H)	IP Rating	Lumen Flux±10% (mix) @CRI80	Lumen Flux±10% (RGB) @CRI80	Lumen Flux±10% (WW)@CRI90&4000K	Lumen Flux±10% (CW) @CRI80
CMLP-9023S	5000*12*1.8mm [197*0.47*0.07in.]	IP20 [Dry]	1240lm/M [380lm/ft.]	250lm/W [76lm/ft.]	480lm/M [146lm/ft.]	530lm/W [162lm/ft.]
CMLP-9023S	5000*14*4mm [197*0.55*0.16in.]	IP65 [Wet]	1240*95%lm/M [380*95%lm/ft.]	250*95%lm/W [76*95%lm/ft.]	1580*95%lm/M [480*95%lm/ft.]	530*95%lm/W [162*95%lm/ft.]

General Parameters		Photoelectric Parameters	
Standard Length	5M [16.4ft] (power fed on one side)	Power±10%	18W/M [5.49W/ft.]
Increment & LED QTY	62.5mm[2.46in.] & 18 LEDs	Input Voltage	24VDC
LED Type	SMD3535 RGB + SMD2216 white + SMD2216 white	LED Current	R:5mA, G:5mA, B:5mA, WW:15mA, CW:15mA
LED QTY	288LED/M [87LED/ft.]	LED CCT & Wavelength	R:620~625nm, G:520-525nm, B:465-470nm, WW:2700k CW:6500k
PCB Type	2oz white FPC, OSP	SDCM	W: ErP & ANSI Norm, 3 step
Operating Ambient	Ta(working): -20~45°C[-4~113°F] Tstg (storage): -20~60°C	CRI	Ra≥80 & 90
Warranty	3 years	Beam Angle	120°
Lifespan	L70≥50,000h@Tc≤65°C [149°F] (Tc is temperature of LED pin)	Dimming Method	PWM (dimmable driver like RF, Bluetooth, 0/1-10V, Triac, DALI, DMX, WIFI etc.)
Certification	CE, UL, CB, SAA, RoHS, LM80		

### Ordering Information

MODEL	COLOR	LENGTH	IP	VOLTAGE
<b>CMPL-24-9023S</b>	<b>RGB+WW</b> RGBWW	<b>16.4 CU</b> 16.4' Reel Custom Length	<b>20</b> IP20 <b>65</b> IP65	<b>24V</b> 24 Volt DC

### Accessories

**FS-CMLP-24-9023S-WL** Wire lead connector for static white strip

**FS-CMLP-24-9023S-JC** Jumper cable connector static white strip

**FS-CMLP-24-9023S-SSC** Strip to strip connector for static white strip



### Recommended Power Supplies

Dimmable with 0-10v, ELV, MLV, TRIAC



Item Number	Description	Max/Min Load	Input Voltage	Output Voltage	Dimmable	Dimensions
PS-TSLC-UNV-24V-30WDHV2	30W	30W / 3W	100-277V AC	24V DC	Yes*	6.49"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-60WDHV2	60W	60W / 6W	100-277V AC	24V DC	Yes*	7.4"L x 3.6"W x 1.02"H
PS-TSLC-UNV-24V-96WDHV2	96W	96W / 9.6W	100-277V AC	24V DC	Yes*	8.66"L x 3.6"W x 1.61"H
PS-TSLC-UNV-24V-288WDHV2	288W (3 x 96W)	288W / 28.8W	100-277V AC	24V DC	Yes*	11.85"L x 4.25"W x 1.8"H