CCT LIGHT STRIP

LS-DMX-24V-5M-12MM-CCT

Feature

- Premium materials: Epistar/San'an LED chips, Intermatix phosphor, ShinEtsu & Dow Corning glue
- Heraeus 99.99% pure gold wire, pure copper, and fresh plastic stand
- Pixel Control Series with external programmable smart IC (TM512AC)
- Supports DMX-controlled, pixel-level CCT color adjustment
- Dual, closely arranged LED arrays for better color mixing
- Flexible configuration for advanced lighting parameters

Applications

- Decorative backlighting
- Indirect lighting
- Showcases, shelves, and cabinets
- Billboards and signage
- Hotels and commercial spaces
- Gardens and bridges
- Corridors, ceilings, stairs, and floors
- Cove lighting
- Theatres and lifts

Specification

Part No.	Dimension	Colour	Style	Voltage	Power	Brightness	CRI	Increment	Max Run	IP Rating	Beam Angle
LS-DMX-24V-5M-12MM-CCT	10000*12*2mm	CCT	SMD	24Vdc	11.5W/M	720lm/m	Ra≥80 & 90	100mm	10m	IP20	120°
LS-DMX-24V-5M-12MM-CCT-IP54	10000*12*2.5mm	CCT	SMD	24Vdc	11.5W/M	648lm/m	Ra≥80 & 90	100mm	10m	IP54	120°
LS-DMX-24V-5M-12MM-CCT-IP65	10000*14*4mm	CCT	SMD	24Vdc	11.5W/M	684lm/m	Ra≥80 & 90	100mm	10m	IP65	120°
LS-DMX-24V-5M-12MM-CCT-IP67	10000*14*4mm	CCT	SMD	24Vdc	11.5W/M	648lm/m	Ra≥80 & 90	100mm	10m	IP67	120°
LS-DMX-24V-5M-12MM-CCT-IP68	10000*14*4mm	CCT	SMD	24Vdc	11.5W/M	648lm/m	Ra≥80 & 90	100mm	10m	IP68	120°

Parameter

GENERAL PARAMETERS		PHOTOELECTRIC PARAMETERS	
Standard Length:	power: 10M[32.8ft.] (power fed on one side) data: depend on pixel controller being usage	Power± 10%:	11.5W/M [4.4W/ft.]
Min. Unit & LED QTY:	100mm [3.94in.] & 12 LEDs	Input Voltage:	24VDC
LED Type:	SMD2835 white	LED Current:	23mA/LED
LED QTY:	120LED/M [18LED/ft.]	LED CCT & Wavelength:	2700~6500K CCT-Tunable
PCB Type:	2oz white FPC, OSP	SDCM:	ErP & ANSI Norm, 3 step 1 bin
Operating Ambient:	Ta(working): -20~45℃ & Tstg(storage): -20~60℃	CRI:	Ra≥80 & 90
Warranty:	3 years	Beam Angle:	120°
Lifespan:	L70≥50,000@Tc≤65℃ (Tc is temperature of LED pin)	Dimming Method:	PWM (Support DMX controller.)
Certification:	CE, UL, CB, SAA, RoHS, LM80		

Note:

1. Luminous flux for CCT 2700K is 10% lower, for CCT 3000K/3500K is 5% lower, for CCT 5000K/6500K is the same, compared with 4000K.
2. Transmittance for IP54/IP67/IP68, 2700K/3000K is 95%, 3500K/4000K is 90%, 5000K/6500K is 80%; for IP65/IP54 Plus/IP67 Plus is 95%.
3. Applying with extra heat sink is not necessary with self-cooling capacity.
4. 3M 300LSE yellow adhesive tape attached on backside, is standard configuration of Plus Series.
5. One end of 200mm AWG22 brown/green/red/blue/white silicon cable or waterproof connector kit according to specific IP rating, is standard configuration of Plus Series.
6. Transparent reel and silvery ESD bag, are standard configuration of Plus Series.
7. Installation accessories such as clip, screw, plug etc. are all optional base on specific demand.

Dimensions Diagram

Unit: mm[in.]
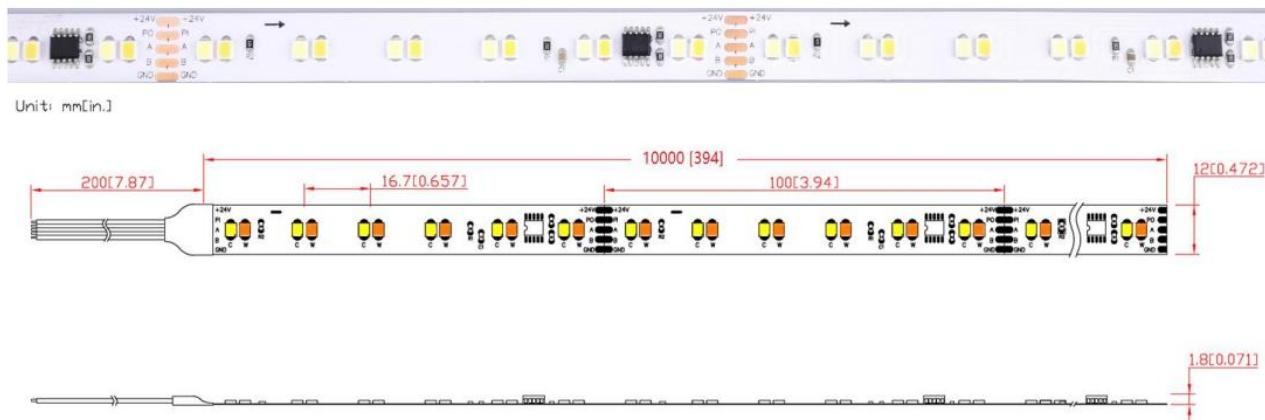
Document Revision

Revision	Description	Date	Author	Approver
1.0	Initial release	17th of December 2025	Jesse Jankelowitz	Michael Xu