

LIGHT STRIP

LS-DMX-24V-5M-10MM-40K

Feature

- Premium materials and components (Epistar/San'an chips, Intermatix phosphor, Shin-Etsu & Dow Corning adhesives, Heraeus 99.99% gold wire, pure copper)
- External programmable smart IC (TM512AC)
- DMX-compatible pixel control

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-10MM-40K	5000*10*2mm	40K	SMD	24Vdc	14.4W/M	1020lm/m	Ra≥80 & 90	100mm	5m	IP20	120°
LS-DMX-24V-5M-10MM-40K-IP54	5000*10*2.5mm	40K	SMD	24Vdc	14.4W/M	918lm/m	Ra≥80 & 90	100mm	5m	IP54	120°
LS-DMX-24V-5M-10MM-40K-IP65	5000*12*4mm	40K	SMD	24Vdc	14.4W/M	969lm/m	Ra≥80 & 90	100mm	5m	IP65	120°
LS-DMX-24V-5M-10MM-40K-IP67	5000*12*4mm	40K	SMD	24Vdc	14.4W/M	918lm/m	Ra≥80 & 90	100mm	5m	IP67	120°
LS-DMX-24V-5M-10MM-40K-IP68	5000*12*4mm	40K	SMD	24Vdc	14.4W/M	918lm/m	Ra≥80 & 90	100mm	5m	IP68	120°

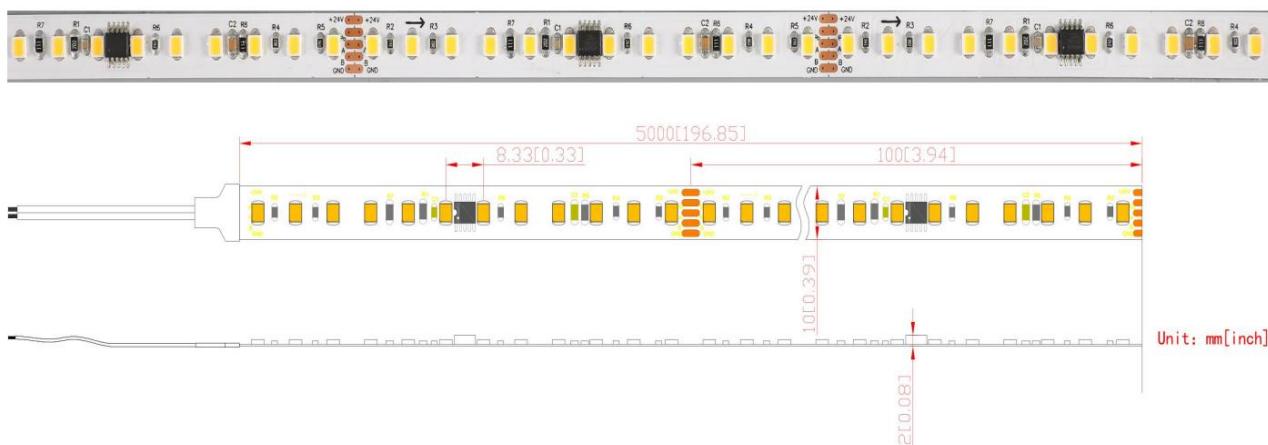
Parameter

GENERAL PARAMETERS		PHOTOELECTRIC PARAMETERS	
Standard Length	power: 5M[16.4ft.] (power fed on one side) data: depend on pixel controller being usage	Power ± 10%	14.4W/M [4.39W/ft.]
Min. Unit & LED QTY	100mm [3.94in.] & 12 LEDs	Input Voltage	24VDC
LED Type	SMD2835 white	LED Current	30mA/LED
LED QTY	120LED/M [36LED/ft.]	LED CCT & Wavelength	2700K&3000K&3500K&4000K&5000K&6500K
PCB Type	3oz white FPC, OSP	SDCM	ErP & ANSI Norm, 3 step 1 bin
Operating Ambient	T _a (working): -20~45°C & T _{stg} (storage): -20~60°C	CRI	Ra≥80 & 90
Warranty	3 years	Beam Angle	120°
Lifespan	L70≥50,000@T _c ≤65°C (T _c 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.
8. Power maintenance rate = actual measured power in a certain length / (a same certain length * actual measured power in 1M[3.28ft.] length); Brightness maintenance rate = actual measured brightness on the tail section in a certain length / actual measured brightness on the first section in a same certain length

Dimensions Diagram



Document Revision

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