



Features

- 1.High quality 2016 LED,
- 2.Excellent flexibility and small size,bending radius should be greater than 2cm
- 3.Luminous uniform, soft light, no dark area
- 4.Long lifespan with great lumen maintenance
- 5.Dimmable with dimmer
- 6.Input voltage:DC12V/DC24V

- Interior lighting, entertainment venues, and shopping malls, etc

Installation

- Fix by 3M self adhesive tape



Optical & Electrical Parameters

Model No.	Color Temperature	Beam Angle	Ra	Typical Luminous Flux(lm/m)	Efficacy (lm/w)	Voltage (DC V)	Power (W/m)	working mode
TN2016A-240-12/24	6500 (N)	120°	90+	720	83	12/24	8.64	one color fully light on
	2940 (W)		90+	660	73		8.64	one color fully light on
	W+N		90+	1300	75		17.28	both color fully light on

Other Parameters

Model No.	LED Quantity (pcs/m)	Standard Series Connection (m)Single Feed	Working Temperature	Storage Temperature
TN2016A-240-12	240	single feed:2.5m;double feed:5m	-20~+60°C	-20~+70°C
TN2016A-240-24	240	single feed:3.5m;double feed:7m	-20~+60°C	-20~+70°C

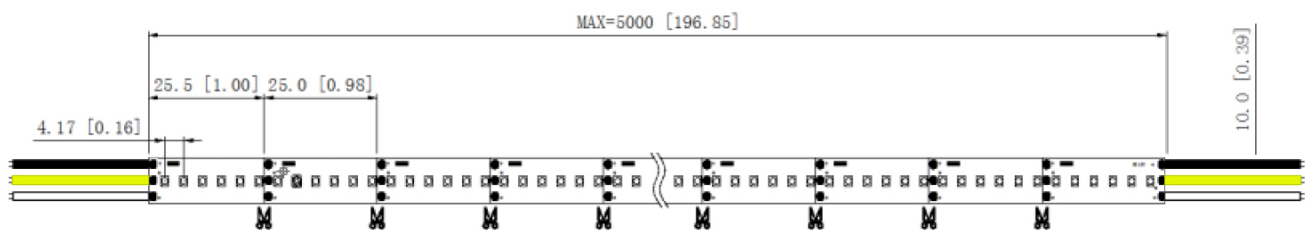
Note:

- Test environment temperature : 25±2°C.
- Power tolerance within ±10%.
- The above data is typical values. The actual data of each single product may differ from the typical values.The data is subject to change without notice.
- The luminous flux is tested with single light on.
- Different color temperature will make luminous flux different.
- The above data are tested without controller.

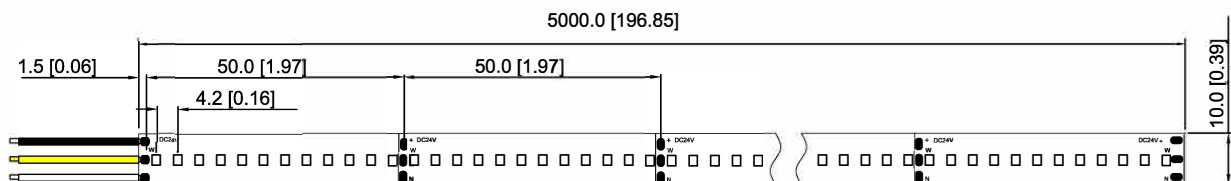
Profile Drawings

TN2016A-240-12

Unit:mm



TN2016A-240-24

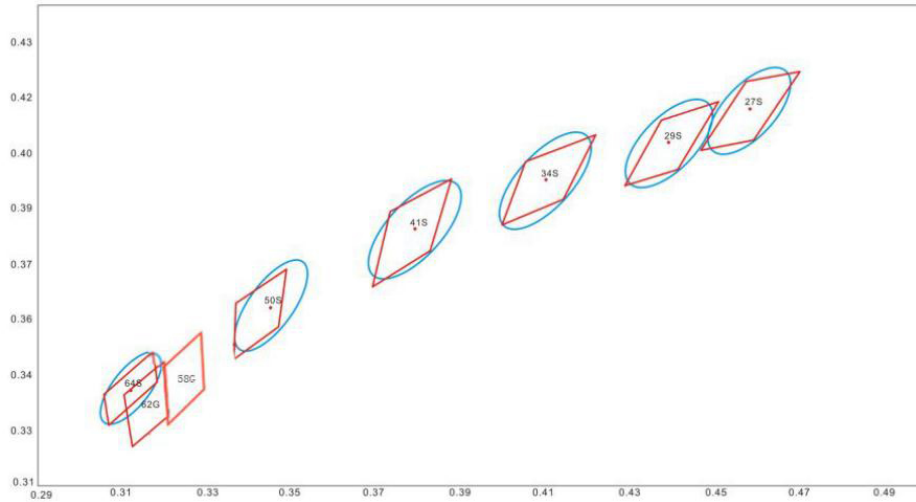


Note:Please ask the sales for detail drawing

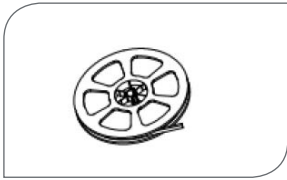
CIE Chromaticity Diagram

The diagram is for reference only. Different suppliers might have different diagram.

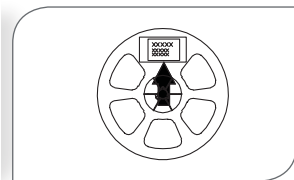
The C.I.E. 1931 Chromaticity Diagram C.I.E 1931



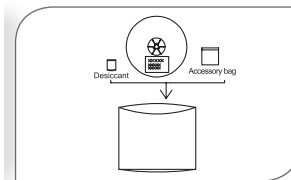
Packaging Information



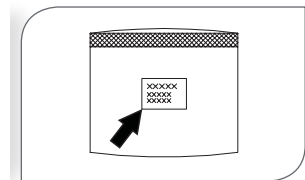
Check and prepare the product



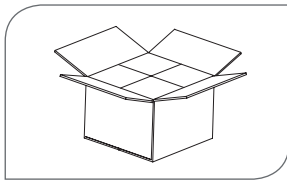
Label the reel;



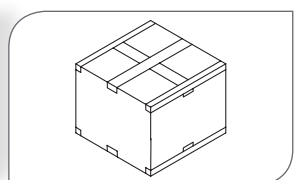
Put reel, accessory bag and desiccant together into static shielding bag;



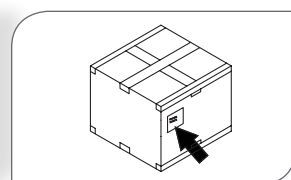
Seal and label the static shielding bag;



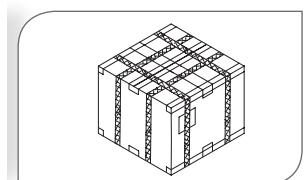
Put the packed static shielding bag into carton box;



Seal the carton box;



Label the box;



Use packing belt to pack. Add edge protectors if necessary.

Packaging information

Model No.	Product Size(mm)	Carton Size (mm)	Quantity(pcs)	Net Weight (kg)	Gross Weight (kg)
TN2016A-240-12	5000*10	550*400*340	100	9.55(1±10%)	14.05(1±10%)
TN2016A-240-24	5000*10	550*400*340	100	9.55(1±10%)	14.05(1±10%)

Note:

- 1.Five meters per reel, packed in the static shielding bag.
- 2.The above quantity and weight are only for the illustrated packaging method. There will be differences in the quantity and weight with other packaging methods.

Attentions

- Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
- Load voltage, current, power and power supply should be matched with the product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Make sure the correct connection of positive and negative poles between led module and power supply. Otherwise, the light will not be on.
- Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
- The terminal should have insulation, waterproof and anti-corrosive treatment.
- If the working length exceeded the max run length, make sure to have extra power supply.
- If it needs higher current of a LED, make sure having extra cooling.

Common Faults and Troubleshoot

Quick Guide		
Problems	Reasons	Solutions
All LEDs can not light on.	No electric supply.	Fix the short circuit problem.
	Automatic power protection from the open or short circuit in output of the power supply.	Fix the short circuit problem.
	Wrong connection of power supply.	
LEDs can not light on partly.	Some switching mode power supplies are not powered.	Check the power supply system to fix it.
	Power supply line error.	
	Mistaken wire connection of some of products	Correctly connection
Brightness of LED is inconsistent tor insufficient.	Power overloaded.	Replace with more powerful power
	Power supply circuit excessive consumption.	Make sure the working voltage of the product within $\pm 5\%$ of standard voltage, or keep balance by circuit power consumption.
	Excessive quantities in series connection of LED modules.	Reduce the quantities of LED in series connection to meet requirement.
LED flicker.	Connection point fault.	Remove bad connection point.
	Switching power supply failure.	Replace a new power supply.
	Wrong Installation or use of products	Please follow the instructions

⚠ Warning

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation, especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 4 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation, waterproof, and anti-corrosion in the installation.
- Use 18AWG (0.75mm² cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.
- This product is for signage, and do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters. Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician.

Statements and Recycling

Statements:

Repair should be operated by a qualified technician, if the external circuit or main line of this product is damaged.
The parameters given in this manual are typical values and for reference only.
All illustrations and drawings in this manual are for reference.
This product is subject to change without notice.

Recycling:

LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.