

Features

1. Excellent weather and uv resistance
2. Flexible and cuttable
3. Great linear effect for uniform light.
4. CRI 90+,95+ optional,high brightness,high efficacy up to 140lm/W.
5. Multiple spec. and LED quantity optional.
6. Built-in constant current IC solution for stable and reliable performance

Bending radius: $R_{min}=20mm$



Application

Signage ,LED luminous characters,light box,decorative ,advertising board lighting, etc.

Installation

Fix by 3M self adhesive tape



Specification

90+

Model No.	Light Color	Color Temperature/ Wavelength(K/nm)	Beam Angle	Typical Luminous Flux(lm/m)	Ra	Efficacy (lm/W)	Voltage (V DC)	Power (W/m)
CNH2835T-64-24	W	2600-2800	120°	914	90+	119	24	7.68
		2800-3200		937		122		
		3800-4300		960		125		
		4700-5300		983		128		
		5800-6800		998		130		
CNH2835T-128-24	W	2600-2800	120°	1405	90+	122	24	11.52
		2800-3200		1428		124		
		3800-4300		1498		130		
		4700-5300		1509		131		
		5800-6800		1521		132		
CNH2835T-160-24	W	2600-2800	120°	1757	90+	122	24	14.40
		2800-3200		1786		124		
		3800-4300		1872		130		
		4700-5300		1886		131		
		5800-6800		1901		132		
CNH2835T-240-24	W	2600-2800	120°	2635	90+	122	24	21.60
		2800-3200		2678		124		
		3800-4300		2808		130		
		4700-5300		2830		131		
		5800-6800		2851		132		

95+

Model No.	Light Color	Color Temperature/ Wavelength(K/nm)	Beam Angle	Typical Luminous Flux(lm/m)	Ra	Efficacy (lm/W)	Voltage (V DC)	Power (W/m)
CNH2835T-64-24	W	2600-2800	120°	854	95+	110	24	7.68
		2800-3200		868		113		
		3800-4300		906		118		
		4700-5300		922		120		
		5800-6800		929		121		



Model No.	Light Color	Color Temperature/ Wavelength(K/nm)	Beam Angle	Typical Luminous Flux(lm/m)	Ra	Efficacy (lm/W)	Voltage (V DC)	Power (W/m)
CNH2835T-128-24	W	2600-2800	120°	1302	95+	113	24	11.52
		2800-3200		1325		115		
		3800-4300		1394		121		
		4700-5300		1417		123		
		5800-6800		1428		124		
CNH2835T-160-24	W	2600-2800	120°	1627	95+	113	24	14.40
		2800-3200		1656		115		
		3800-4300		1742		121		
		4700-5300		1771		123		
		5800-6800		1786		124		
CNH2835T-240-24	W	2600-2800	120°	2440	95+	113	24	21.60
		2800-3200		2484		115		
		3800-4300		2614		121		
		4700-5300		2656		123		
		5800-6800		2678		124		

Temperature-Related Parameters(Normal Working)

Model No.	Power(W)	No Brightness Difference MAX(m)	UL Max Run (m)	T _A (°C)	Operating Temp MAXT _c (°C)
CNH2835T-64-24	7.68	5	10	-20~+60°C	---
CNH2835T-128-24	11.52		6.5		
CNH2835T-160-24	14.40		5.5		
CNH2835T-240-24	21.60		3.5		

Other Parameters

Model No.	LED Quantity(pcs/m)	Min Cuttable Length(mm)	Storage Temperature(°C)
CNH2835T-64-24	64	125	-20~+70°C
CNH2835T-128-24	128	62.5	
CNH2835T-160-24	160	50	
CNH2835T-240-24	240	33.3	



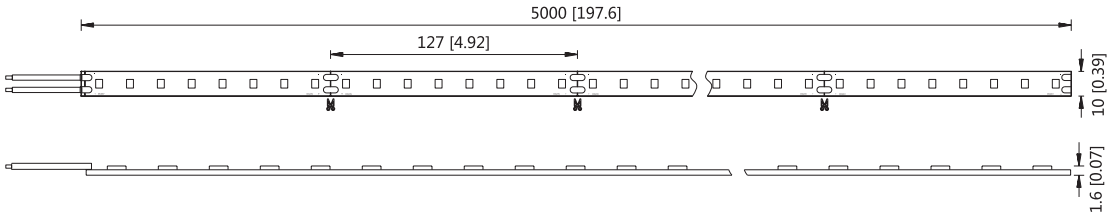
NOTE:

1. Test environment temperature : 25±2°C.
2. Figures above are typical figures. Actual figures could be different with typical figures, and the data is subject to change without notice.
3. The luminous flux is tested with corresponding color light on.
4. Different color temperature or wavelength will make luminous flux different.
5. The Luminous efficiency is measured value.
6. Max run is in single feed.
7. UL max run refers to operating length at UL class II @100W.24V.
8. The luminous flux and power tolerance within ±10%.
9. Cutting marks see profile drawing below.

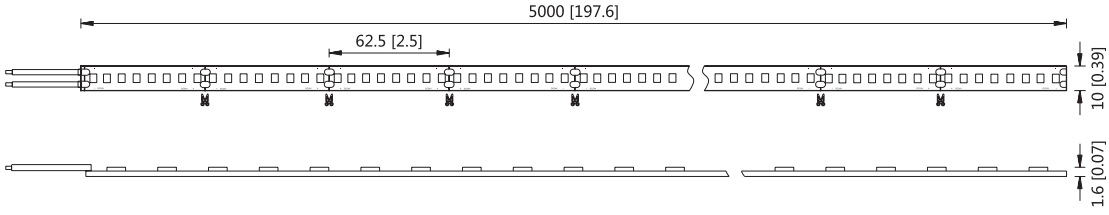
Profile Drawings

Unit:mm[inch]

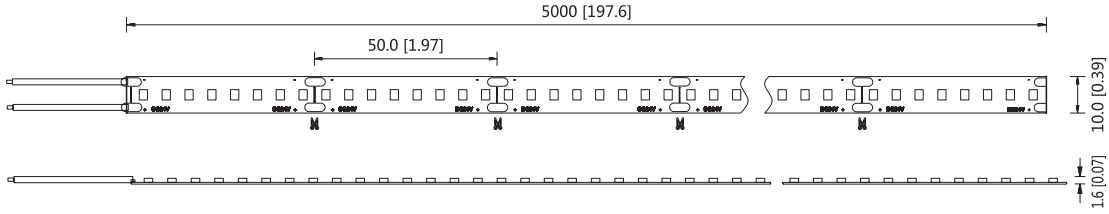
CNH2835T-64-24



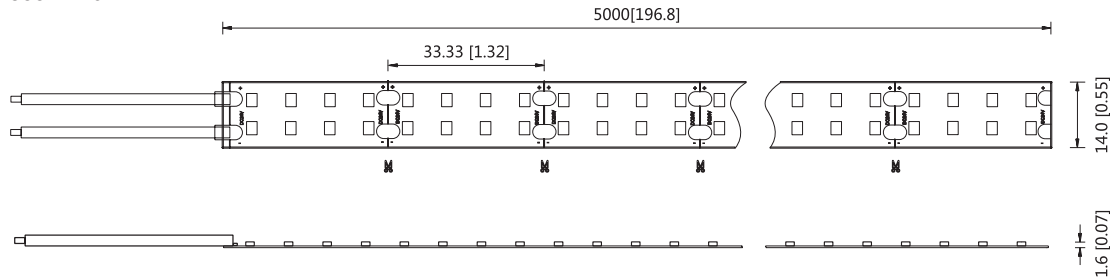
CNH2835T-128-24



CNH2835T-160-24

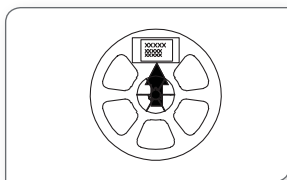


CNH2835T-240-24

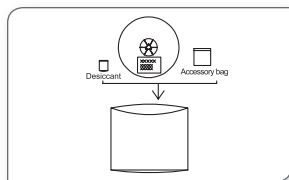


Note: Please ask the sales for detail drawing.

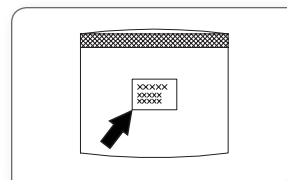
packing



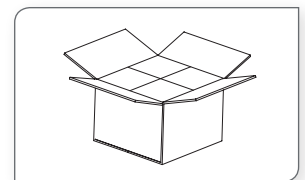
Label the reel;



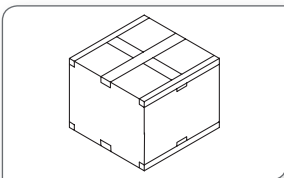
Put reel, accessory bag and desiccant together into static shielding bag;



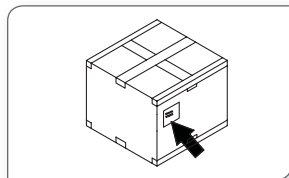
Seal and label the static shielding bag;



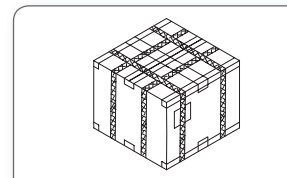
Put the packed static shielding bag into carton box;



Seal the carton box;



Label the box;



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

Packaging information

Model No.	Product Size L*W(mm)	Carton Size(mm)	Meter/Reel	Reel/Carton	Net Weight(kg)	Gross Weight(kg)
CNH2835T-64-24	5000*10	550*400*340	5	100	7.93(1±10%)	12.50(1±10%)
CNH2835T-128-24	5000*10			100	8.06(1±10%)	12.69(1±10%)
CNH2835T-160-24	5000*10			100	8.56(1±10%)	13.19(1±10%)
CNH2835T-240-24	5000*14			70	6.63(1±10%)	12.12(1±10%)

Note:

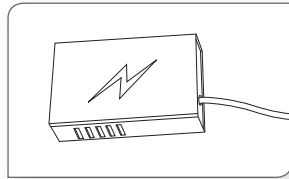
1. Non water-proof, every 5m for a reel, one reel for a static shielding bag.
2. The above quantity and weight are only for the illustrated packaging method. There will be differences in the quantity and weight with other packaging methods.

Installation

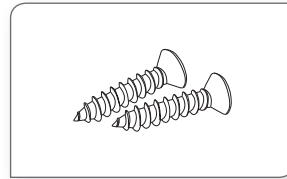
1.Products and Tools



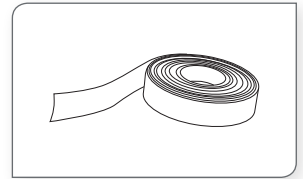
CNH2835T-XXX-XX



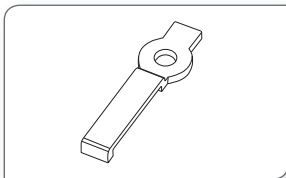
LED power supply



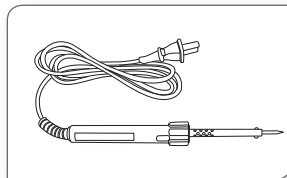
Self-tapping screw



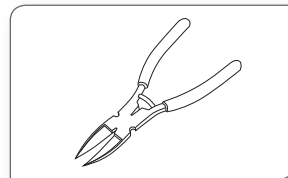
Insulation Tape



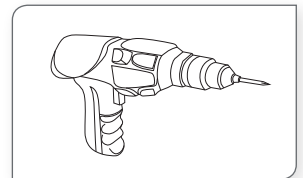
Clips



Electric iron



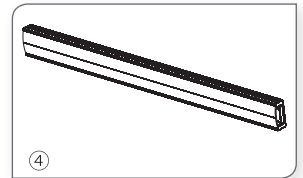
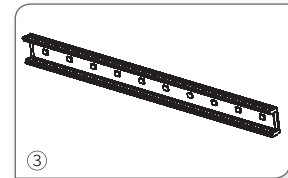
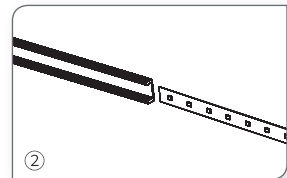
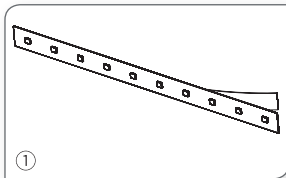
Diagonal pliers



Electric drill

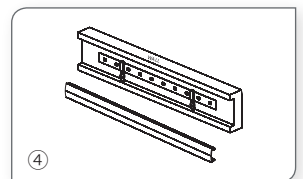
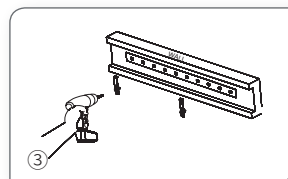
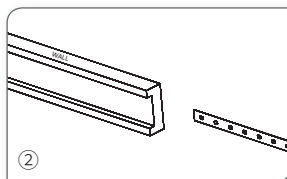
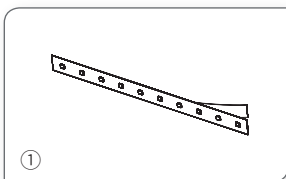
2.Installation Methods and Steps

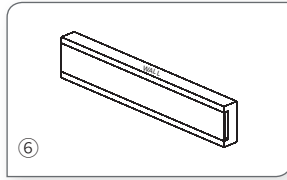
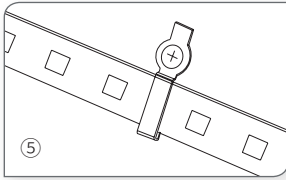
Aluminum channel installation



1. Peel away the self adhesive tape on the back of strip.
2. Cut off the excess part based on the installation position.
3. Evenly arrange the strips with appropriate space in the track.
4. Install the cover and end cap.

Covered channel installation





1. Peel away the self adhesive tape on the back of strip.
2. Cut off the excess part based on the installation position.
3. Evenly arrange the strips with appropriate space in the track and fix them with clips.
4. Install the cover and end cap.
5. Clip installation as the figure show
6. Finished



Attentions before installation

- 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 products 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.

Common Faults and Troubleshoot

Quick Guide		
Problems	Reasons	Solutions
All LEDs can not light on.	No electric supply.	Power on
	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 the product	Reduce the quantities of the product 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.