

# Specification

Prepared	Checked	Approved	Accepted	Confirmed	Approved

<b>CE</b>	<b>RoHS</b>	<b>2835</b> SMD	<b>224</b> LEDs	<b>LED</b> <b>Strip</b>	<b>DC</b> <b>24V</b>	<b>IP</b> <b>20</b>	<b>3</b> Years
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**Model:** ☉RN00N4TC-A

5000\*10mm, 1120pcs, 2835 SMD LEDs, bare board series,  
constant voltage 24Vdc, LED flex strip

**Picture:**



**Features:**

- ☉ 2835 SMD LEDs bring high luminous efficacy;
- ☉ Can be cut at the printed marks;
- ☉ Certification: CE, RoHS.

**Applications:**

- ☉ Suitable for cover and contour lighting etc, in KTV, hotel, shopping mall, home, cabinet and so on.

Bending radius $\geq$ 5cm, not suitable for channel letter application.

**Warranty:**

- ☉ 3 years or 13,000 hours, whichever comes first.

### Optical and Electrical Parameters:

P/N	LED Color	CCT (K) WL (nm)	CRI	SDCM	Beam Angle (°)	Luminous Flux (lm/m)	Luminous Efficacy (lm/w)	Working voltage (VDC)	Working current(mA)		Power(w)	
									1m[3 9.37i n]	5m[19 6.85in ]	1m[3 9.37i n]	5m[1 96.85 in]
RN00N4TC-A	white	2700	$\geq$ 80	$\geq$ 5	115	2090	109	24	800	3333	19.2	80
RN00N4TC-A	white	3000	$\geq$ 80	$\geq$ 5	115	2140	112	24	800	3333	19.2	80
RN00N4TC-A	white	4000	$\geq$ 80	$\geq$ 5	115	2340	122	24	800	3333	19.2	80
RN00N4TC-A	white	5000	$\geq$ 80	$\geq$ 5	115	2240	117	24	800	3333	19.2	80
RN00N4TC-A	white	6500	$\geq$ 80	$\geq$ 5	115	2190	114	24	800	3333	19.2	80

**Others:**

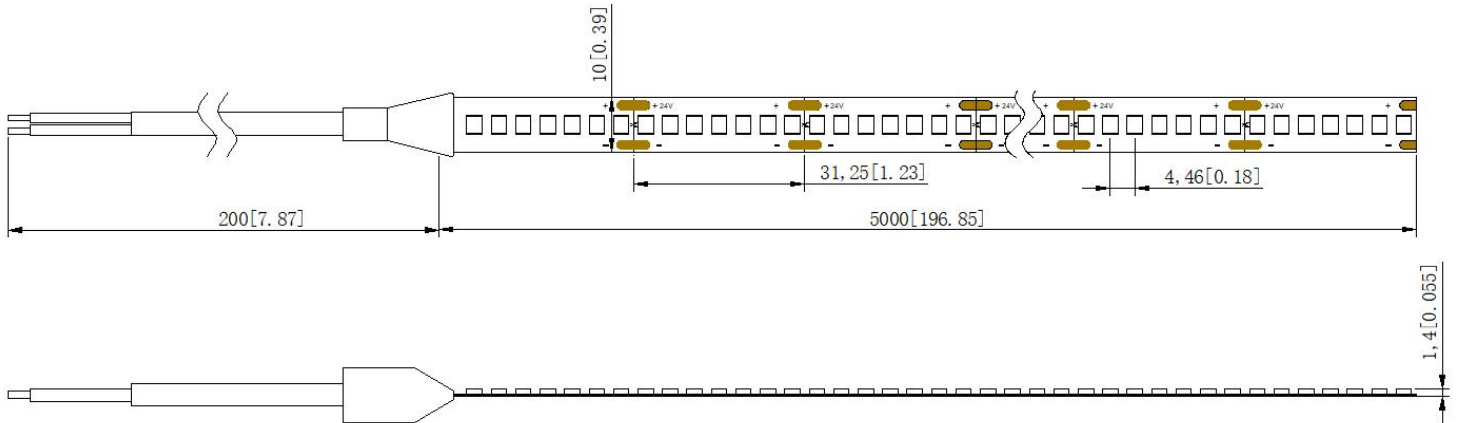
P/N	IP Grade	Operating Temp		Storage Temp		Standard length		Max. cascading length		LED Qty (pcs/m)	Weight	
		(°C)	(°F)	(°C)	(°F)	(m)	(inch)	(m)	(inch)		(g/m)	(lb/m)
RN00N4TC-A	IP20	-25~ +60	-13~ +140	-25~ +70	-13~ +158	5	196.85	5	196.85	224	20	0.044

Notes:

- (1) Testing environment temperature: 25 $\pm$ 2°C [77 $\pm$ 3.6°F];
- (2) The above data each single product could differ from the typical values. The data subject to change without prior notice;
- (3) The above “-” represents that SDCM parameters do not need to be filled in.

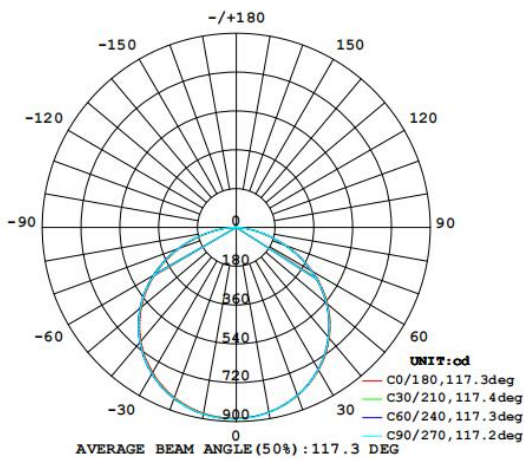
Profile Drawings:

Unit: mm[inch]

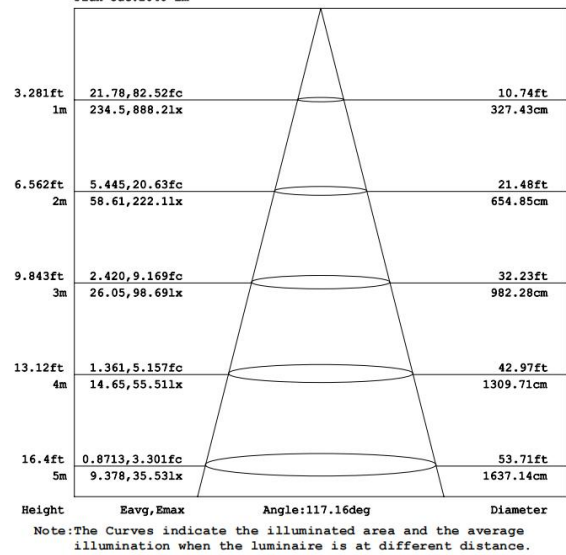


Light Distribution/Iso-illuminance diagram:

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Flux out:2040 lm



Packaging Information:

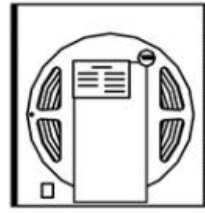
Notes: the actual packed and weight may subject to without prior notice.

P/N	Qty (m/reel)	Qty (m/carton)	Total Qty (m)	Total weight		Outer carton size					
						length		width		height	
						(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
RN00N4TC-A	5	500	500	12.5	27.56	375	14.76	305	12	310	12.2

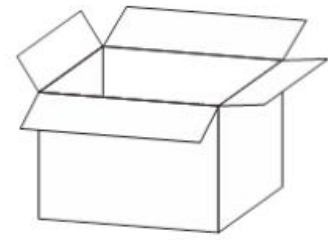
**Packaging Diagram:**



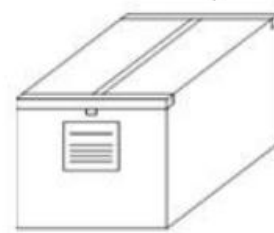
Reel the LED strip



Put into antistatic bag

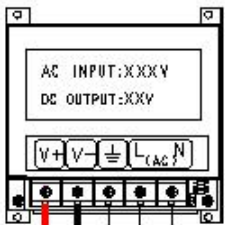


Put into the outer carton



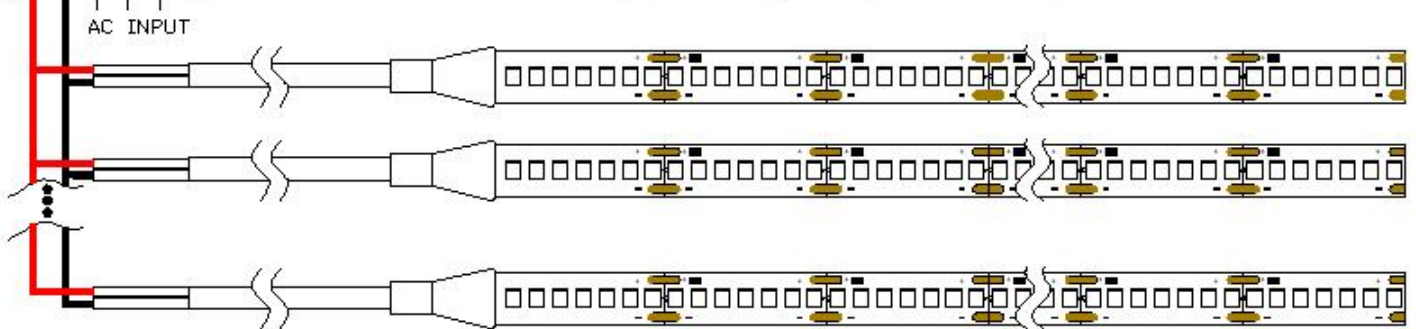
Seal the outer carton

**Connection Instruction:**



**LED Driver**

Notes: please make sure the "+" and "-" of the product's input are correctly connected to those of the power supply output.

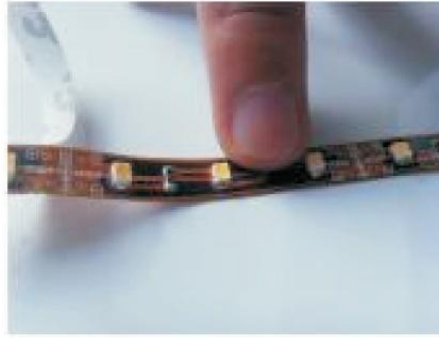


Positive: red wire Negative: black wire

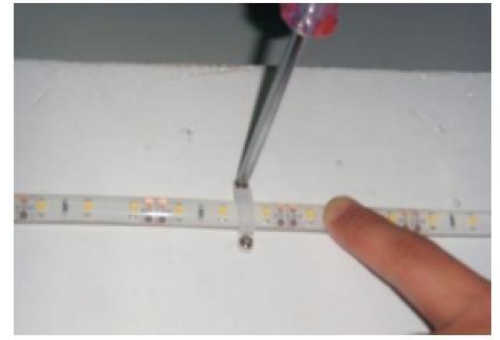
**Installation Steps & Cautions:**



○ Peel off the release paper



○ Stick them to the mounting surface



○ Mounted the snap spring.



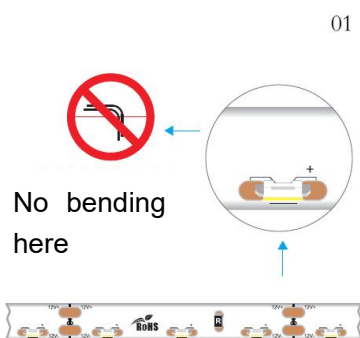
○ Installation is complete



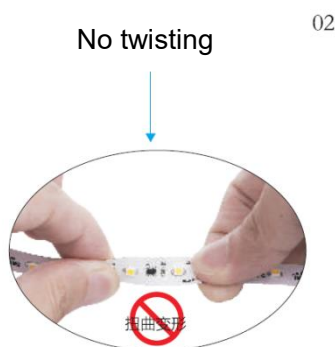
○ Connect the wires of power supply



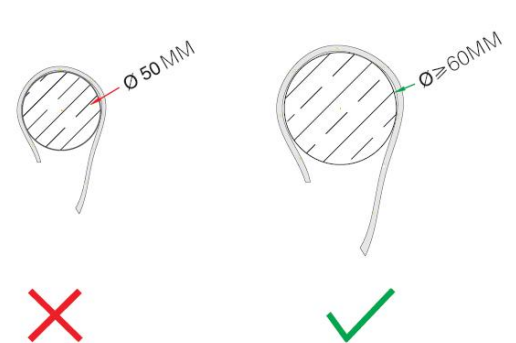
○ Connect the wires of power adapter



○ No bend the strip at the position of LED



○ No twisting the strip



○ No winding an object with a diameter <5cm.

## Troubleshooting:

Malfunctions	Possible Causes	Solutions
All LEDs don't work	1. The power supply did not connect to power grid.	Power on
	2. No electricity due to short-circuit of external power supply.	Remove the malfunction caused by short-circuit, power on again.
	3. The wires of strip light connect to power supply output reversely.	Check the connecting and ensure the wires are connected correctly.
Part of LEDs don't work	1. Part of power supplies do not have output.	Check the power supply system.
	2. Part of wires of strip light have malfunction.	
	3. Particular strip light connected reversely.	Correct connection
Brightness of LEDs is weak or uneven	1. Overloaded power supply;	Replace it with higher power supply
	2. The power loss of power circuit is huge or the power loss of each circuit existing big difference.	Ensure working voltage of strips is within $\pm 5\%V$ of rated voltage. 1. Shorten the length of wires between the first strip and power supply or replaced with wires with bigger diameter; 2. Ensure the cascading qty of string is less than or equal to the allowed maximum cascading qty, and each strip cascading qty is well-balanced.
	3. Exceed in qty of strip light in series	Lessen the cascading qty for strip and ensure the qty for each electrical circuit is within the maximum cascading qty.
LEDs are blinking	1. Poor contacted in the joints.	Find out and tackle malfunction immediately.
	2. Failures in power supply.	Replace power supply.

**Declaration:**

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- ⊙ If the external flexible cable of light box is damaged, please replace it by its manufacturer or its service agent or qualified person to avoid a hazard.
- ⊙ The specific installation and cautions please refer to the user manual.
- ⊙ The given data in this specification is based on our standard product. There may be existed slight difference compared with actual products.
- ⊙ All Illustrations in this specification are for reference only.
- ⊙ This product is subject to change or modify without prior notice.
- ⊙ RISHANG OPTOELECTRONICS CO., LTD reserves the right of final explanation for this specification.

<End>

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