Specification

Prepared	Checked	Approved

Accepted	Confirmed	Approved

CE	RoHS	5050 SMD	60 LEDS/M	LED Strip	DC 12V	IP 67	3 Years

Rev: 6.0

Model: RN3260AQ/RN3260AP

5000*12mm,300pcs 5050SMD LED,12V DC, Colorful group control half package glue series flexible lamp belt

5000*12mm,300pcs 5050SMD LED,24V DC, Colorful group control half package glue series flexible lamp belt

Figure:

Features:

◎ 5050 RGB LED guarantees high luminance;

◎ One BIN only, good color uniformity;

◎ The product can be cut along the scissors symbol position;

◎ Whole new ID, simple and elegant;

◎ CE, RoHS, UL, etc. compliant.

Applications:

◎ Suitable for hotel, shopping mall, home, cabinet, show frame, etc. as main lighting, indirect lighting, cove lighting, contour lighting, decorative lighting, etc

Warranty:

◎ 3 years or 13,000 hours, whichever comes first.

Optical and Electrical Parameters:

P/N	LED Color	CCT (K) WL (nm)	CRI	SD CM	Beam Angle (°)	Luminous Flux （lm/m）	Luminous Efficacy （lm/W）	Working voltage (VDC)	Working current(mA)		Power(w)	
									1m[39.37in]	5m[196.8in]	1m[39.37in]	5m[196.8in]
RN3260AQ	Red	620-625	--	--	≥115	94.6	22	12	360	1430	4.3	17.2
	Green	525-530	--	--		258	60		360	1430	4.3	17.2
	Blue	465-470	--	--		68.8	16		360	1430	4.3	17.2
RN3260AP	Red	620-625	--	--	≥115	106	22	24	200	1430	4.8	19.2
	Green	525-530	--	--		288	60		200	1430	4.8	19.2
	Blue	465-470	--	--		76.8	16		200	1430	4.8	19.2

Others:

P/N	IP Grade	Operating Temp		Storage Temp		Standard length		Max. cascading length		LED Qty	Weight	
		(℃)	(℉)	(℃)	(℉)	(m)	（inch）	（m）	（inch）	(pcs)	(g/m)	(lb/m)
RN3260AQ	IP67	-25~ +60	-13~ +140	-25~ +70	-13~ +158	5	196.8	5	196.8	60	30	0.066
RN3260AP												

Profile Drawings:

Unit：mm[inch]
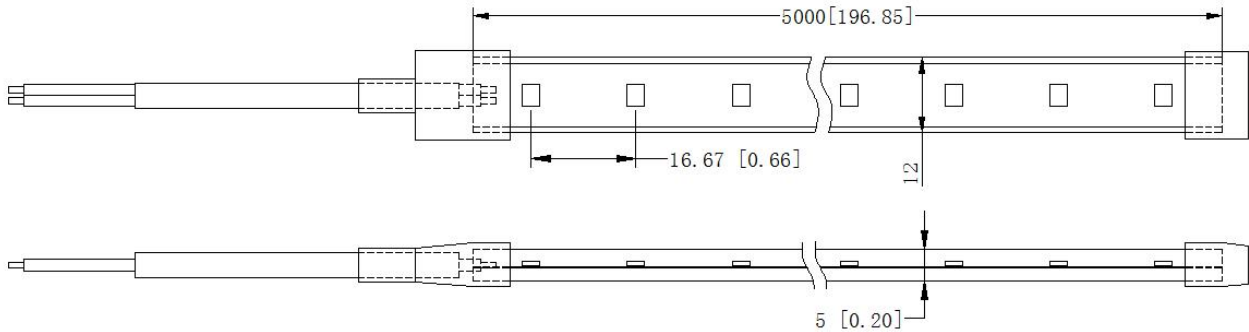
Light Distribution/Iso-illuminance Diagram:
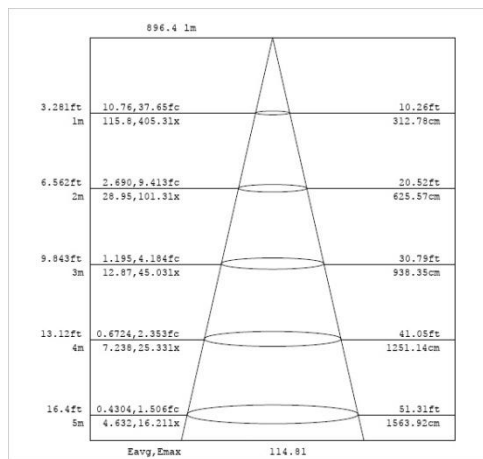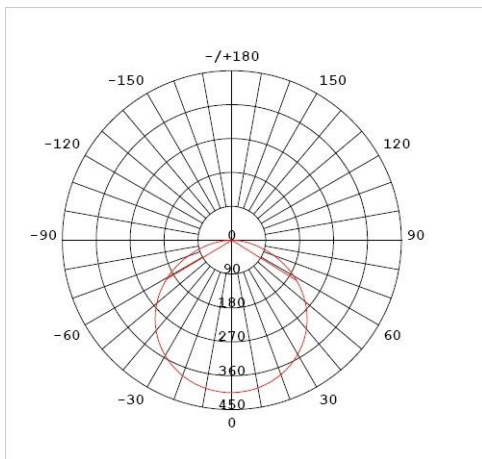
Packaging Information:

P/N	Qty (m/reel)	Qty (m/carton)	Total Qty (m)	Total weight		Outer carton size					
						length		width		height	
				(Kg)	(lb)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
RN3260AQ											
	5	60	120	5.1	11.2	238	9.37	222	8.74	238	9.37
RN3260AP											

Notes: the actual packed quantity and weight might differ from the above data in other packaging ways. Thus please refer to the actual product for detailed information.

Packaging Diagram:

Load the strip into a reel

Put into antistatic bag

Pack into the inner carton

Seal the inner carton

Put the inner carton into the outer carton

Seal the outer carton
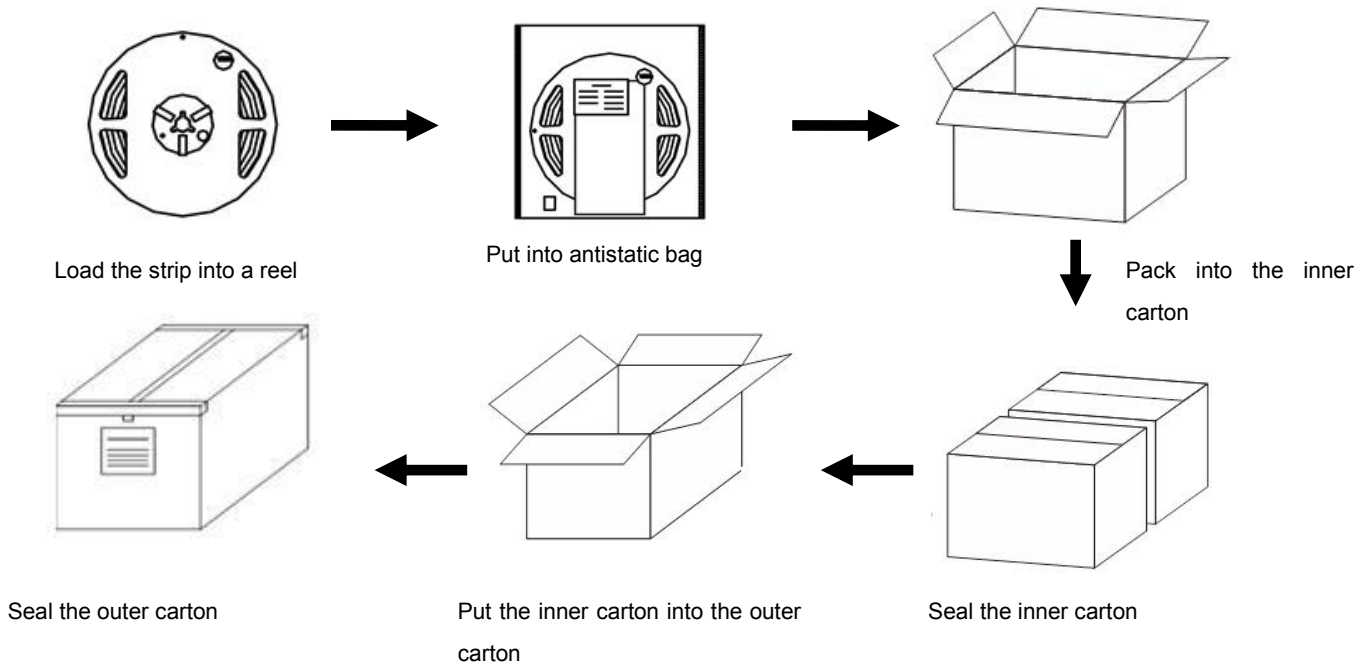
Connection Instruction:

Power Adapter

AC INPUT: 220V

DC OUTPUT: XXV

LED Driver

+：Black wire   -：Respectively R G B

RGB Controller
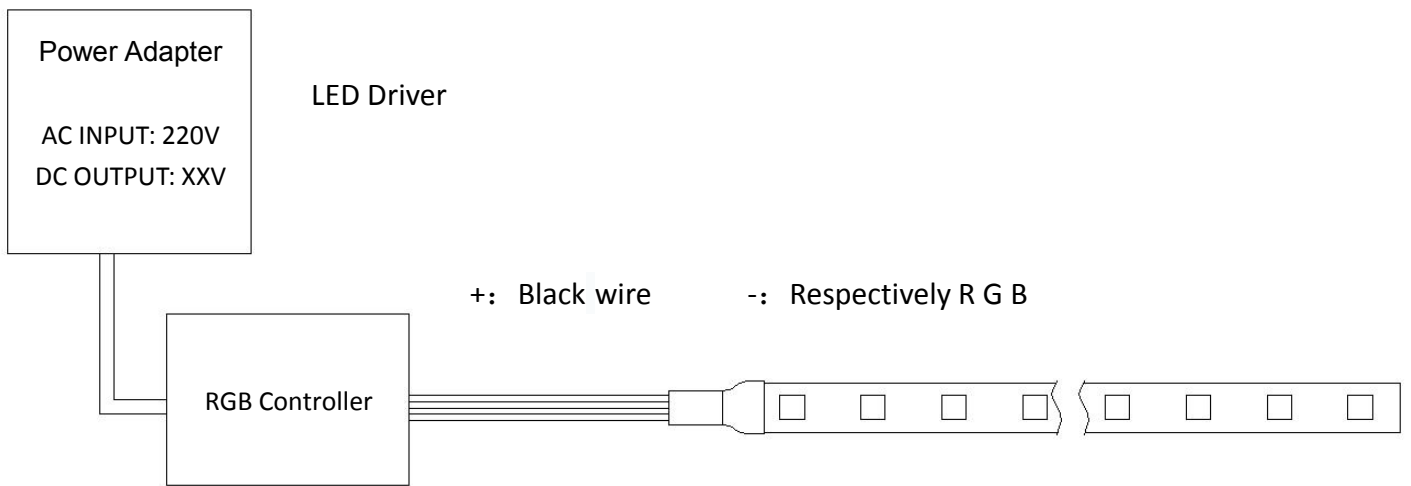
Note: Please connect the '+' and '-' of strips to those of driver output correctly.
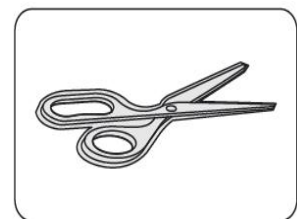
Parts & Tools:
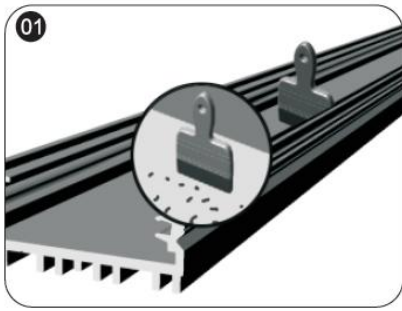
◎ **Product Spare Parts**   ◎ **Self-provided Tools**

LED Strip

Electrical Drill & Drilling bit

Scissors

Rev: 6.0

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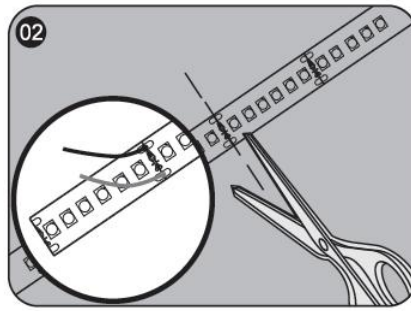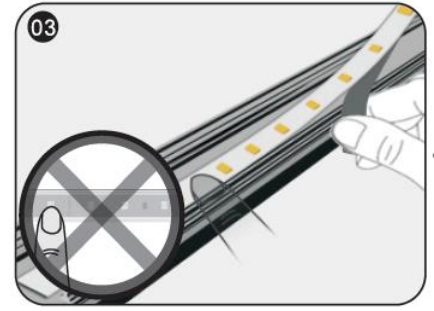## Installation Steps & Cautions:

◎ Make sure the mounting surface is clean before installation;

◎ Calculate the needed length and cut off the extra length along cutting mark if necessary; if need to add wires, please weld them at the next location with printed mark

◎ While sticking strips, peel off the release paper of the tape step by step. Don't peel off all release paper at a time to avoid getting your strip in a mess.
△Notes: No pressing the bead!

◎ Stick Mylar tape to isolate the cutting position from the bottom of profile inner slot to avoid short-circuit;
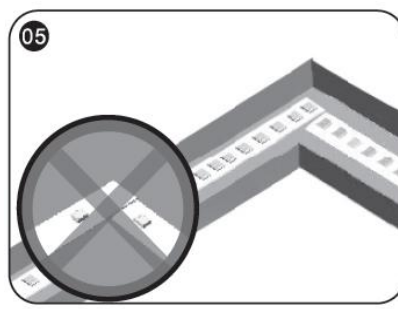
◎ The installation at the corner is shown as the above figure.
△ Notes: No bending it into right angle; No twisting it to stick on the mounting surface.

◎Connect strip wires to the output terminal of controller ，and connect controller to the power supply, and dispose with waterproof, insulation,short-circuit and anti-corrosion protection at both the wire joints and the cut section of your strip (if any)
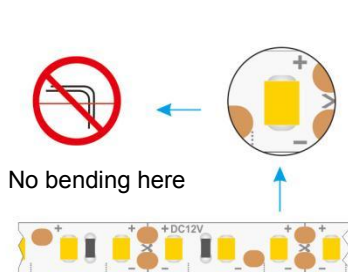
No bending here

◎ No bending the strip at the position of LED
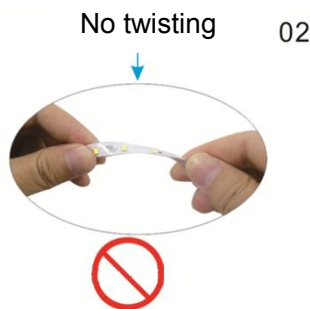
No twisting

◎ No twisting the strip
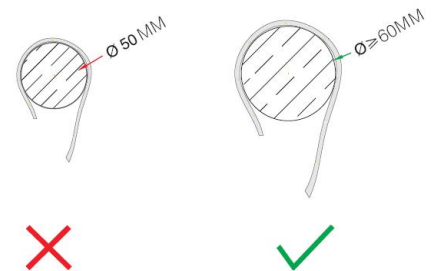
◎ No winding an object with a diameter <5cm.

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 strips 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 strips have malfunction.	
	3. Particular modules 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±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 strips 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.	Power on

Declaration:

◎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.

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