

Specification

| Prepared | Checked | Approved | Accepted | Confirmed | Approved |
|----------|---------|----------|----------|-----------|----------|
| | | | | | |

| | | | | | | | |
|-----------|-------------|--------------------|--------------------|---------------------|-------------------------|------------------------|-------------------|
| CE | RoHS | 2835 SMD | 150 LEDs | LED Strip | DC 12V | IP 20 | 3 Years |
|-----------|-------------|--------------------|--------------------|---------------------|-------------------------|------------------------|-------------------|

Model: ☉ RN0030TA/RN0060TA

5000*10, 150pcs, 2835 SMD LEDs, bare board series,
constant voltage 12Vdc, LED flex strip

5000*10, 300pcs, 2835 SMD LEDs, bare board series,
constant voltage 12Vdc, 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≥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] |
| RN0030TA-A | Natural white | 6000 | ≥75 | -- | 115 | 468 | 78 | 12 | 500 | 2080 | 6 | 25 |
| RN0030TA-A | Red | 620-625 | -- | -- | 115 | 70 | 11.7 | 12 | 500 | 2333 | 6 | 28 |
| RN0030TA-A | Blue | 525-530 | -- | -- | 115 | 307 | 51.2 | 12 | 500 | 2083 | 6 | 25 |
| RN0030TA-A | Green | 465-470 | -- | -- | 115 | 74 | 12.3 | 12 | 500 | 2083 | 6 | 25 |
| RN0030TA-A | Yellow | 585-590 | -- | -- | 115 | 39 | 6.5 | 12 | 500 | 2333 | 6 | 28 |
| RN0060TA-A | Natural white | 6000 | ≥75 | -- | 115 | 955.5 | 79.6 | 12 | 1000 | 3583 | 12 | 43 |
| RN0060TA-A | Red | 620-625 | -- | -- | 115 | 128 | 10.7 | 12 | 1000 | 3750 | 12 | 45 |
| RN0060TA-A | Blue | 525-530 | -- | -- | 115 | 623 | 51.9 | 12 | 1000 | 3583 | 12 | 43 |
| RN0060TA-A | Green | 465-470 | -- | -- | 115 | 148 | 12.3 | 12 | 1000 | 3583 | 12 | 43 |
| RN0060TA-A | Yellow | 585-590 | -- | -- | 115 | 66 | 5.5 | 12 | 1000 | 3750 | 12 | 45 |

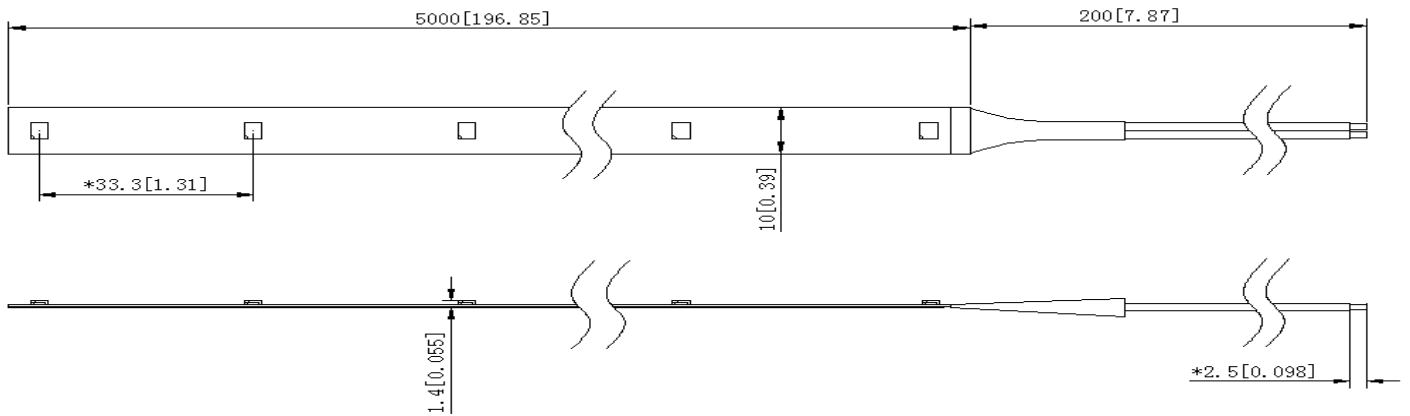
Others:

| 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) |
| RN0030TA-A | IP20 | -25~ +60 | -13~ +140 | -25~ +70 | -13~ +158 | 5 | 196.85 | 5 | 196.85 | 30 | / | / |
| RN0060TA-A | IP20 | -25~ +60 | -13~ +140 | -25~ +70 | -13~ +158 | 5 | 196.85 | 5 | 196.85 | 60 | / | / |

- Notes:
- (1) Testing environment temperature: 25±2°C [77±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]

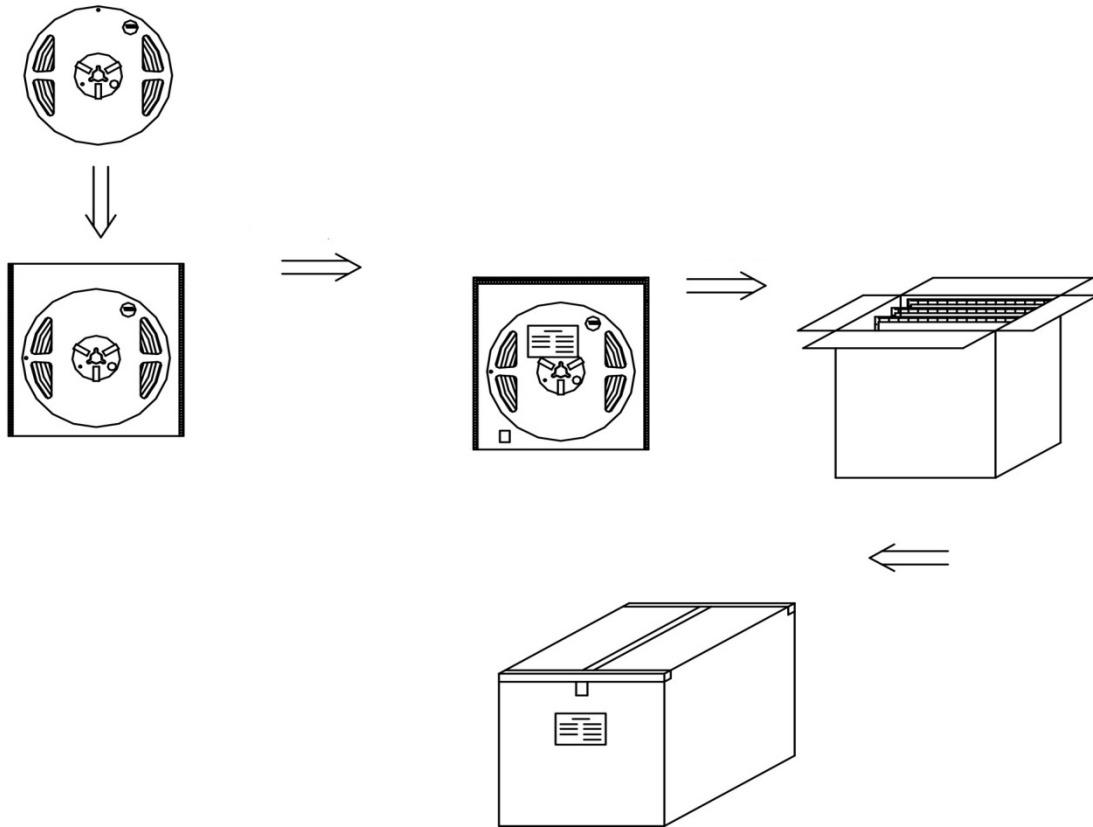


Packaging Information:

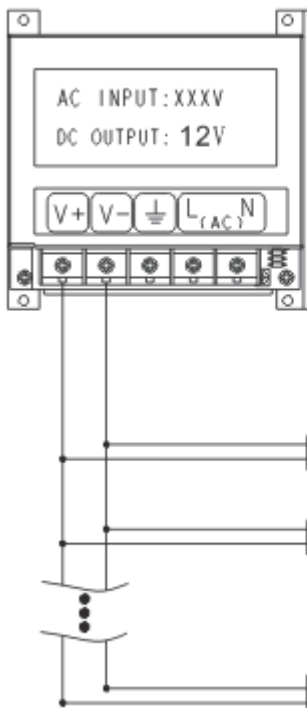
| P/N | Qty (m/reel) | Qty (m/carton) | Total Qty (m) | Total weight | | Outer carton size | | | | | |
|----------|--------------|----------------|---------------|--------------|------|-------------------|--------|-------|--------|--------|--------|
| | | | | (Kg) | (lb) | length | | width | | height | |
| | | | | | | (mm) | (inch) | (mm) | (inch) | (mm) | (inch) |
| RN0030TA | 5 | 100 | 200 | 4.04 | 8.90 | 390 | 15.35 | 250 | 9.84 | 226 | 8.89 |
| RN0060TA | 5 | 100 | 200 | 4.24 | 9.34 | 390 | 15.35 | 250 | 9.84 | 226 | 8.89 |

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

Packaging Diagram:



Connection Instruction:



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

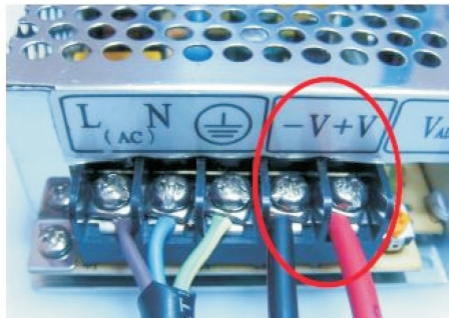
Installation Steps & Cautions:



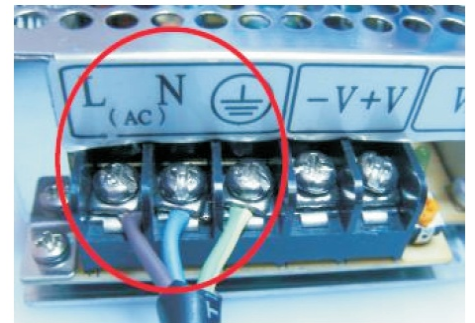
○ Peel off the release paper



○ Stick them to the mounting surface



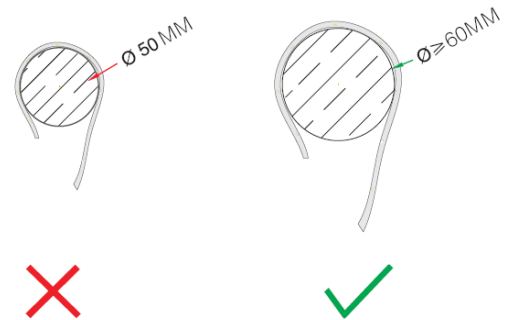
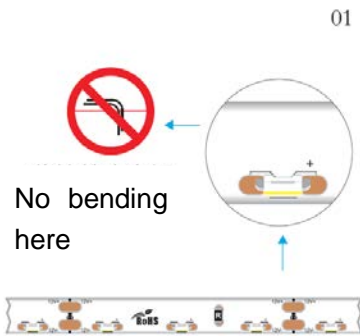
○ Mounted the snap spring.



○ 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.

Optional Parts:

| Category | Part Name | Figure | Specifications/Description | Article Number | Color | IP Grade | Notes |
|----------|--------------------|---|----------------------------|----------------|---------------|----------|-------|
| Cable | SM female terminal |  | | | Reddish black | IP33 | |

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:

- ⊙ 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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