

PRODUCT DATA SHEET



CCT Adjustable Series

2835 120 LEDs/m 24W/m 10mm



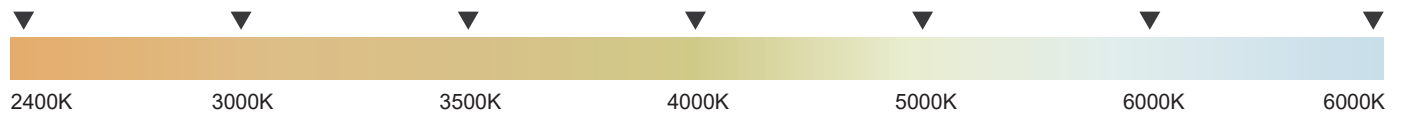
RS-CA2835-24V-120D-10-20



Product Features

1. Dual color adjustable, tunable white 2400K-6000K.
2. Source by high cost-performance 2835 Led with uniform illumination.
3. CRI96+, others optional;
4. Warranty: 3 years.

CCT Option

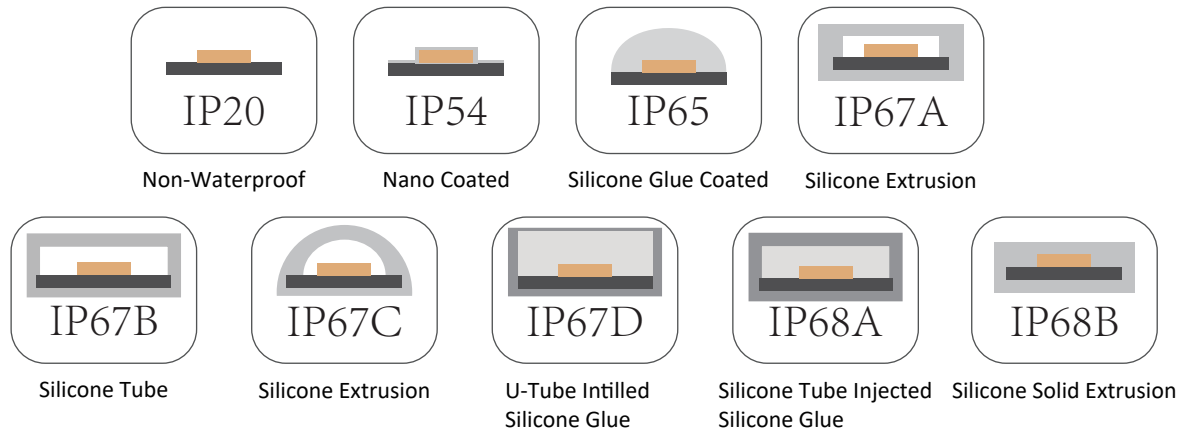


Lighting Effect



Lighting Effect

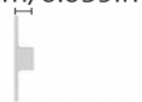
IP Rating Option



Dimension (mm/inch)



1.5mm/0.059in



| Length/Reel | Width | Height | LED Spacing | Min. Cutting ✂ |
|-----------------|--------------|---------------|----------------|--------------------------------|
| 5000mm/196.85in | 10mm/0.394in | 1.5mm/0.059in | 8.33mm/0.328in | Every 100mm/3.94in (12LEDs) |

Note:

LED Strip length tolerance is $\pm 10\text{MM}$ based on 5M(IP20&IP54).
Width tolerance is $\pm 0.2\%$ mm.

Data

| Part Number | Working Voltage | Power | Current | LED Qty | CRI |
|--------------------------|-----------------|----------|-----------|------------|-----|
| RS-CA2835-24V-120D-10-20 | 24V | 24W/m | 1A/m | 120LEDs/M | 96+ |
| | | 7.32W/ft | 0.305A/ft | ≈36LEDs/ft | |

| CCT (°K) | Luminous Efficiency | lumen | |
|----------|---------------------|----------|----------|
| 2400K | 81lm/W | 972lm/m | 296lm/ft |
| 3800K | 85lm/W | 2040lm/m | 622lm/ft |
| 6500K | 90lm/W | 1080lm/m | 329lm/ft |

Note:

The data base on IP20 non-waterproof.
 The wattage tolerance $\pm 20\%$
 The Lumen output value tolerance $\pm 5\%$ due to testing way.
 The CCT tolerance $\pm 5\%$

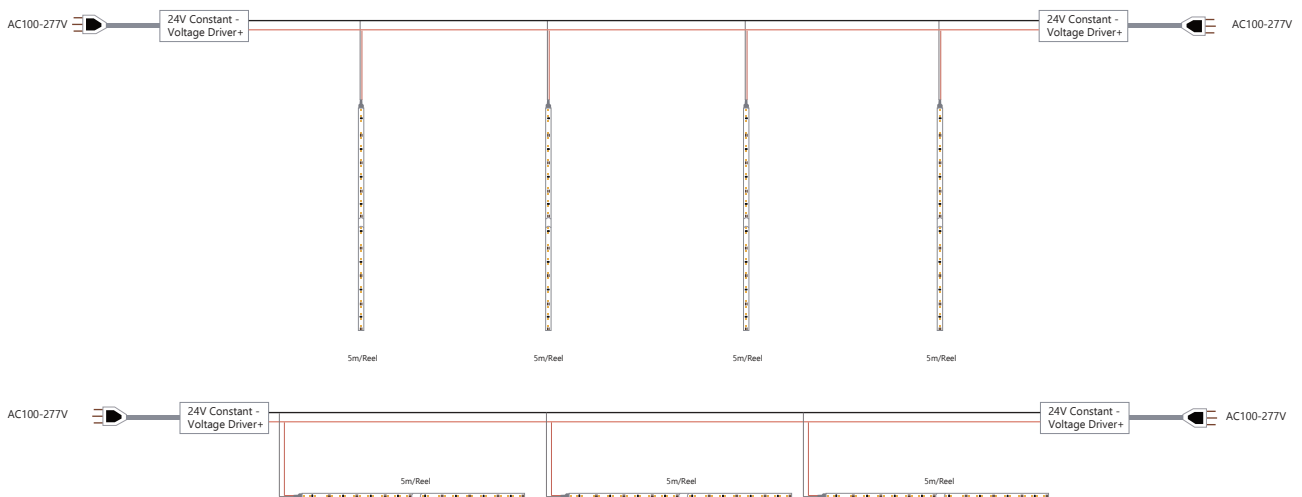


Absolute Maximum Ratings

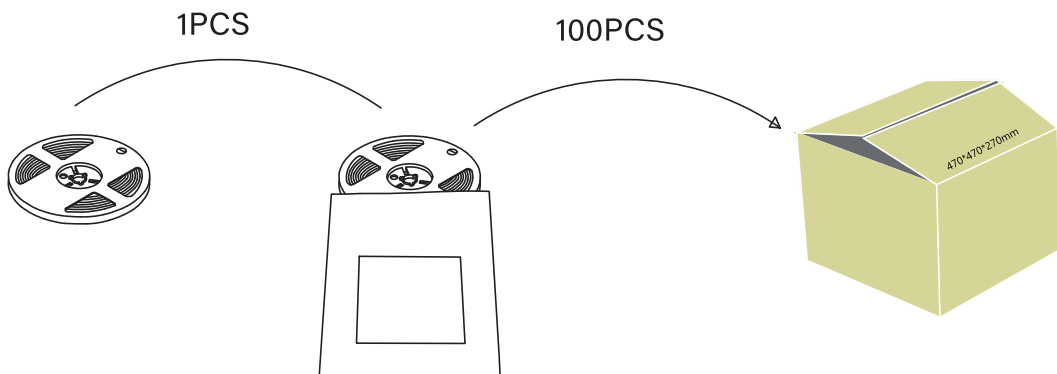
| Parameter | Symbol | Value |
|---------------------------|------------------|---------------------|
| Thermal Measurement Point | T _c | 80°C/176°F |
| Operating Temperature | T _{opr} | <80°C/<176°F |
| Storage Temperature | T _s | -20~+60°C/-68~140°F |
| Number of FPC Connection | | |



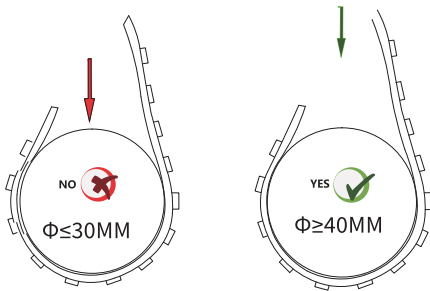
Wiring Diagram Application



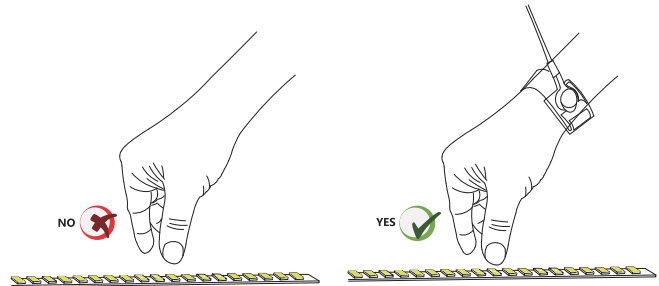
Packaging



! Cautions



<50mm diameter of wrapped object prohibited



Pls wear the electrostatics ring for avoid ESD

✓ Safety & Disclosures

1. ➤ Do not install the led strip in environment where excessive heat may occur.
2. ➤ Do not extend beyond the recommended maximum run length.
3. ➤ Only use copper wiring. Use wires rated for at least 176°F(80°C) and certified for use with external connection of electrical equipment.
4. ➤ Do not install IP20 LED strip products in outdoor / wet location environments.
5. ➤ Excessive handling, bending, and pressure may damage the product, voiding the warranty.
6. ➤ Improper wire selection and installation could overheat wires, and cause fire.
7. ➤ Do not connect directly to high voltage or AC power.
8. ➤ Installation must be in accordance with local and national electrical code regulations.
9. ➤ To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician.