

## PRODUCT DATA SHEET

**CRI** Available  
**90/95**

**High**  
Efficiency

**130**  
lm/W

**150**  
lm/W

High Efficiency Series  
2835 240 LEDs/m 20W/m



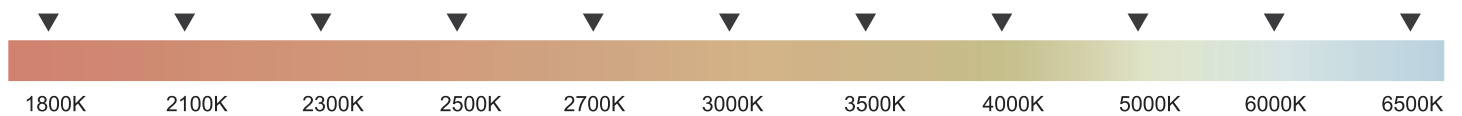
RS-HE2835-24V-240D-8-20



## Product Features

1. Pass (EU) 2019/2020 regulation, Eco design conformed.
2. Up to 130LM/W,150LM/W.
3. Color temperature between 1800-10000K is optional.
4. CRI80+, 90+, 95+ optional.
5. Operate longer life and better for energy saving.
6. Warranty: 3 years.

## CCT Option

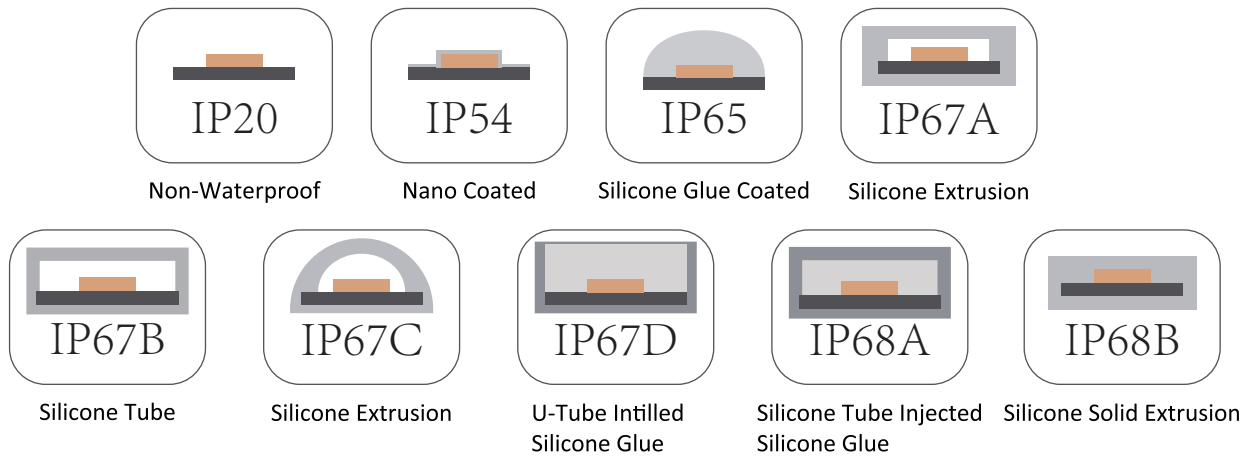


Lighting Effect

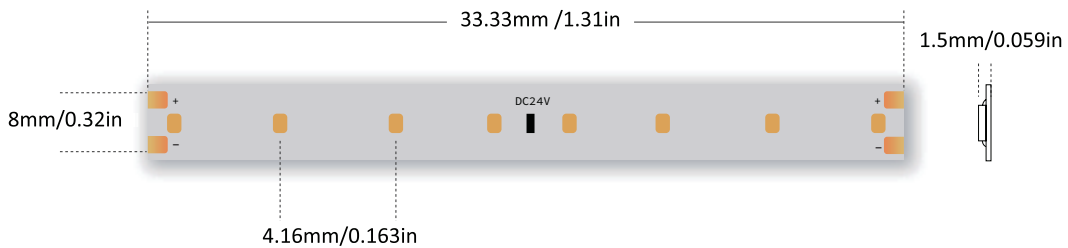



Lighting Effect

## IP Rating Option



## Dimension (mm/inch)



| Length/Reel     | Width      | Height        | LED Spacing    | Min. Cutting  |
|-----------------|------------|---------------|----------------|--|
| 5000mm/196.85in | 8mm/0.32in | 1.5mm/0.059in | 4.16mm/0.163in | Every 33.33mm/1.31in(8 LEDs)   |

### Note:

LED strip length tolerance is + -0.2%mm.  
Width tolerance is + -0.2%mm.


 Data

| Part Number             | Working Voltage | Power     | Current   | LED Qty    | CRI |
|-------------------------|-----------------|-----------|-----------|------------|-----|
| RS-HE2835-24V-240D-8-20 | 24V             | 20W/m     | 0.84A/m   | 240LEDs/M  | 90+ |
|                         |                 | 6.096W/ft | 0.256A/ft | ≈73LEDs/ft |     |

| CCT (°K) |       | Luminous Efficiency | lumen     |           |
|----------|-------|---------------------|-----------|-----------|
| CRI>90   | 2700K | 128 lm/W            | 2560 lm/m | 780 lm/ft |
|          | 3000K | 128 lm/W            | 2560 lm/m | 780 lm/ft |
|          | 4000K | 133 lm/W            | 2660 lm/m | 811 lm/ft |
|          | 6000K | 133 lm/W            | 2660 lm/m | 811 lm/ft |
| CRI>90   | 2700K | 147 lm/W            | 2940 lm/m | 896 lm/ft |
|          | 3000K | 147 lm/W            | 2940 lm/m | 896 lm/ft |
|          | 4000K | 150 lm/W            | 3000 lm/m | 914 lm/ft |
|          | 6000K | 150 lm/W            | 3000 lm/m | 914 lm/ft |

## Note:

The data base on IP20 non-waterproof.

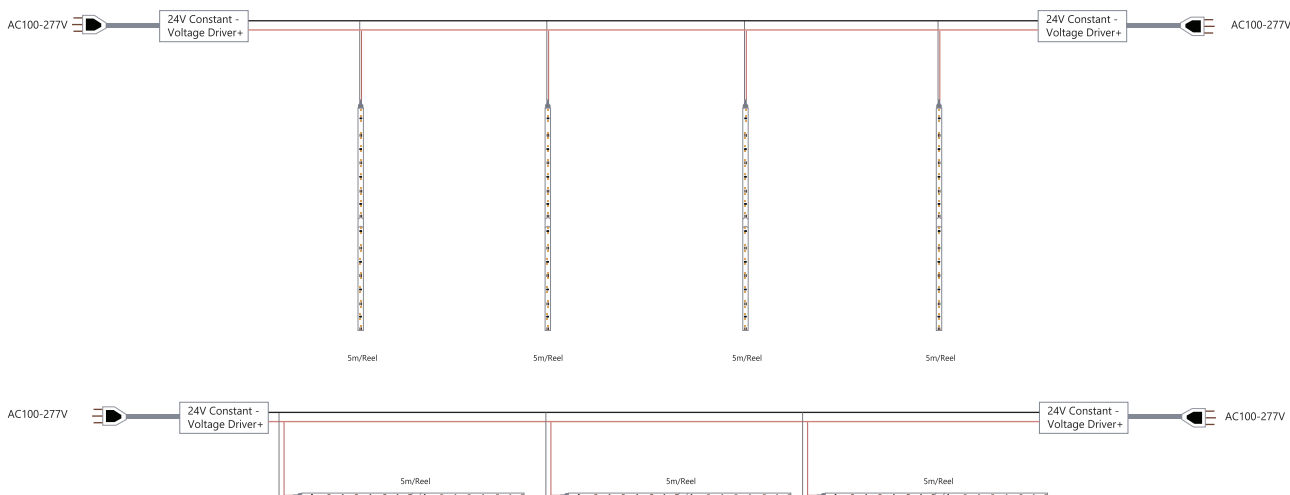
The Lumen output value tolerance + -5% due to testing way.

The CCT will be + -100k tolerance.

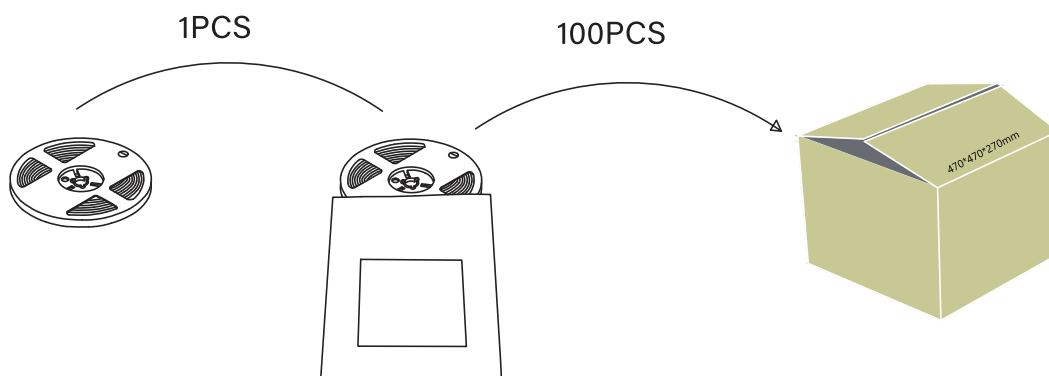
## Absolute Maximum Ratings

| Parameter                 | Symbol | Value               |
|---------------------------|--------|---------------------|
| Thermal Measurement Point | Tc     | 80°C/176°F          |
| Operating Temperature     | Topr   | <80°C/<176°F        |
| Storage Temperature       | Ts     | -20~+60°C/-68~140°F |
| Number of FPC Connection  |        |                     |

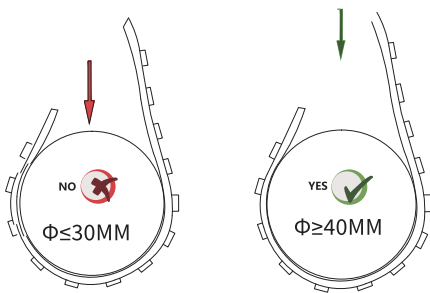
## Wiring Diagram Application



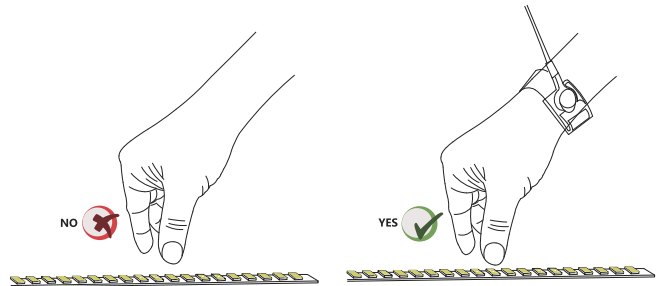
## Packaging



## ⚠ 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.