

PRODUCT DATA SHEET

CRI Available
90/95

High
Efficiency

130
lm/W

150
lm/W

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



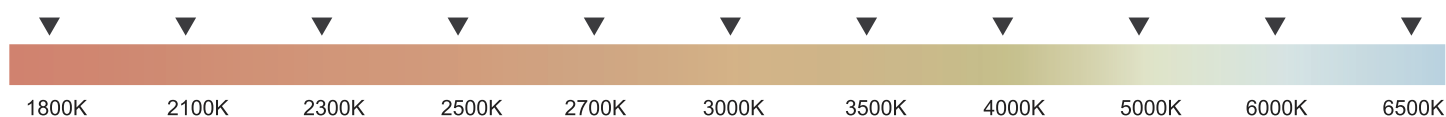
RS-HE2835-24V-240D-8-20



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

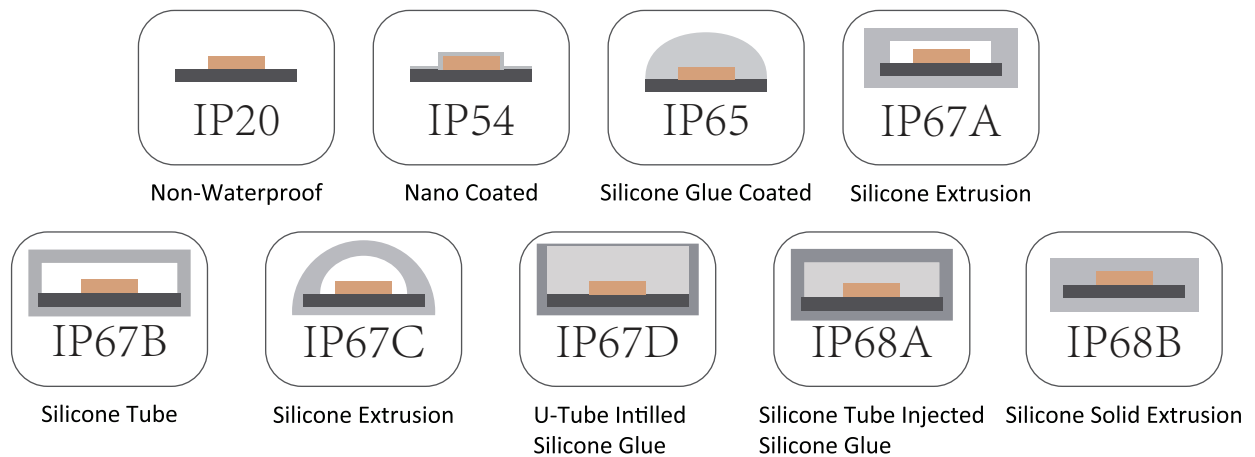


Lighting Effect

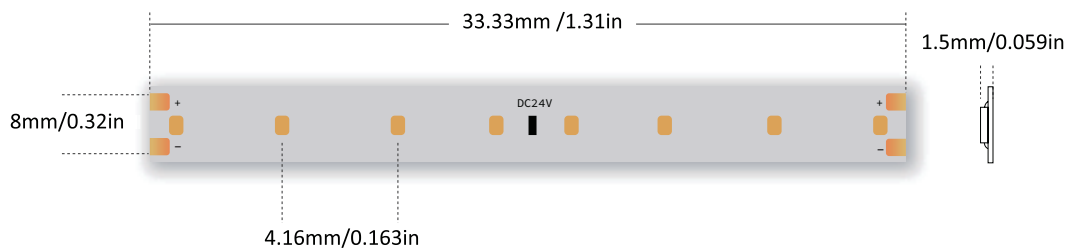


Lighting Effect

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.

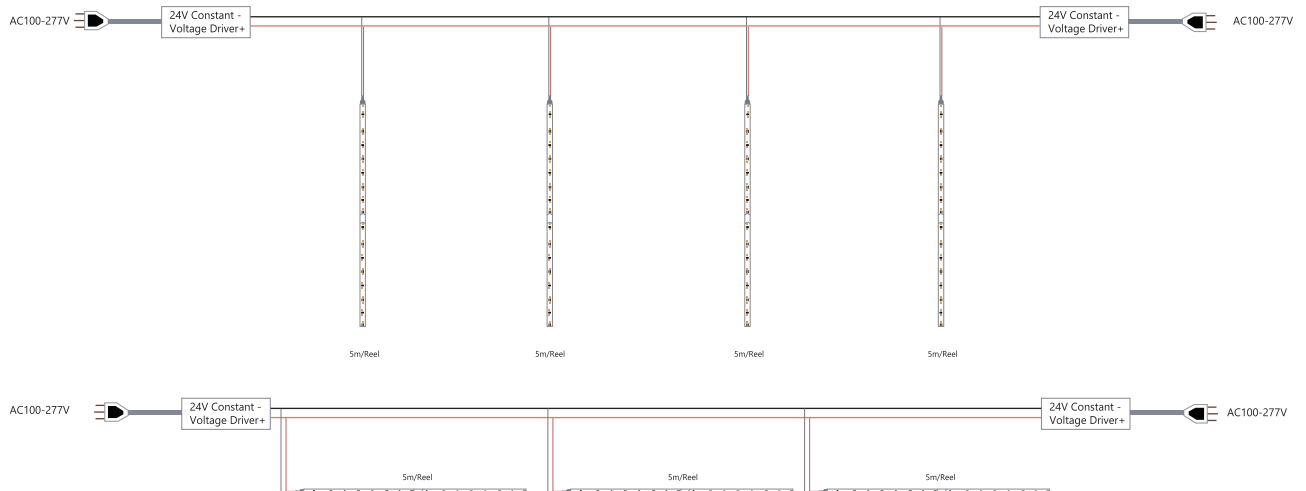


Absolute Maximum Ratings

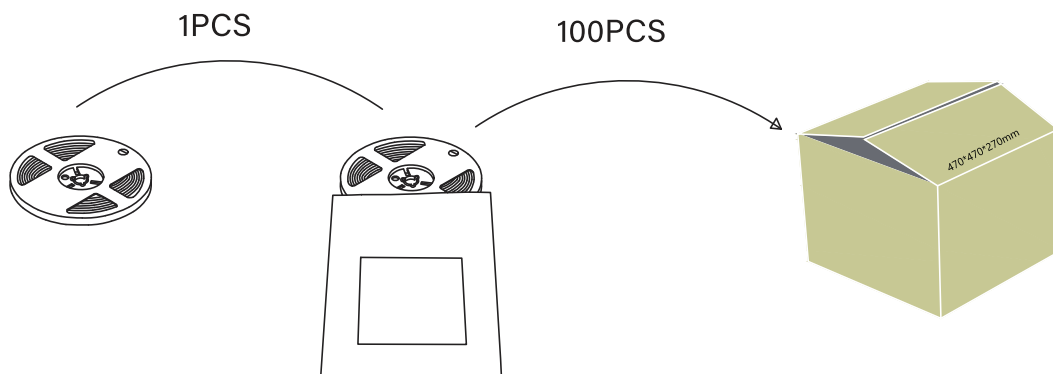
Parameter	Symbol	Value
Thermal Measurement Point	T _c	80°C/176°F
Operating Temperature	T _{opr}	<80°C/<176°F
Storage Temperature	T _s	-20~+60°C/-68~140°F
Number of FPC Connection		



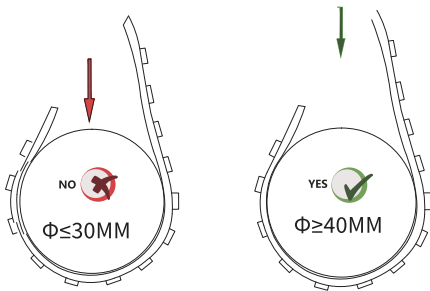
Wiring Diagram Application



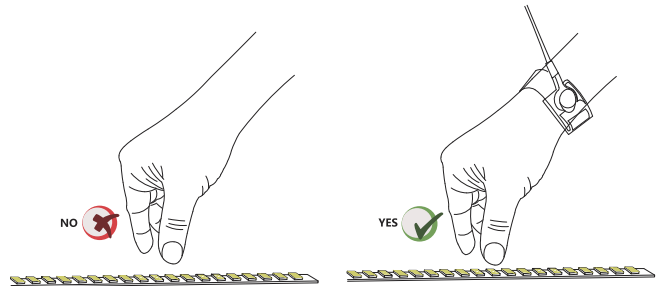
Packaging



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.