

PRODUCT DATA SHEET

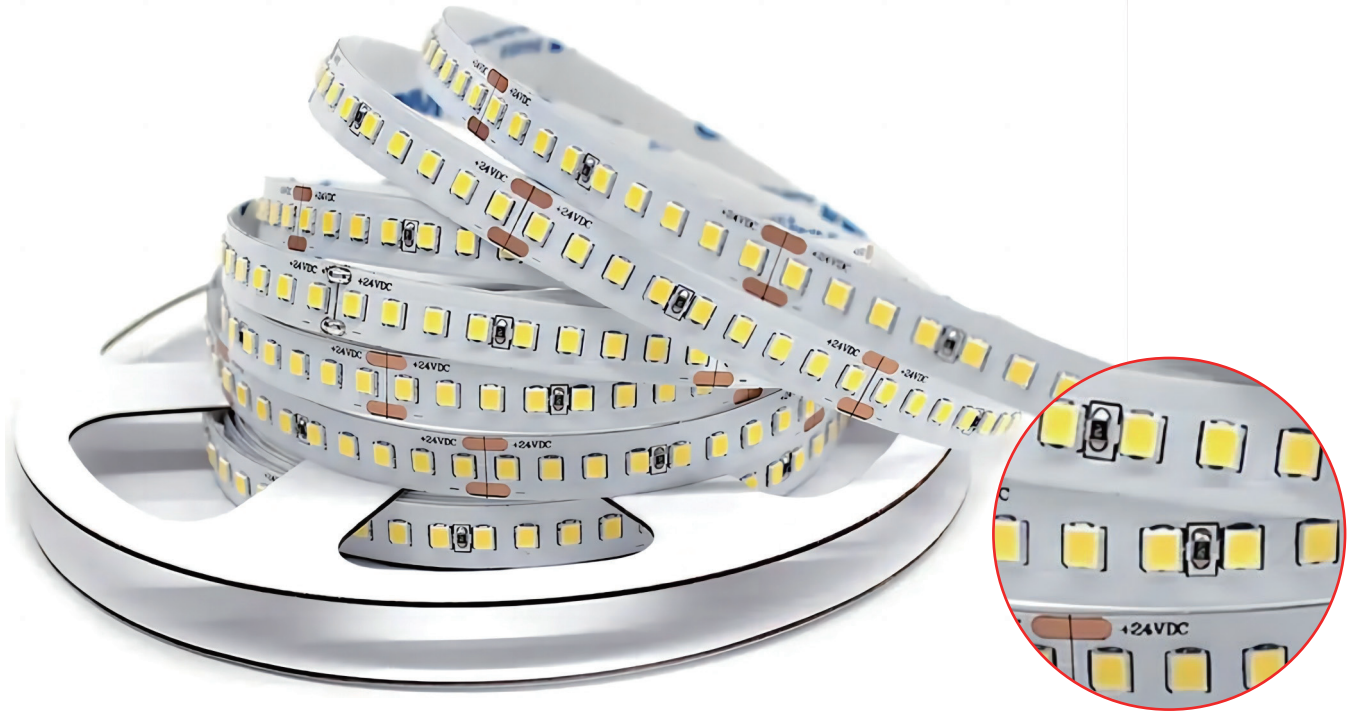
CRI Available
80/90/98

High Efficiency

150
lm/W

180
lm/W

High Efficiency Series
2835 160 LEDs/m 14.4W/m



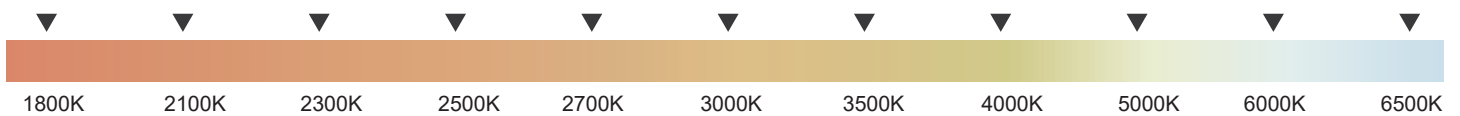
V160-FH24



Product Features

1. Pass (EU) 2019/2020 regulation, Eco design conformed.
2. Light efficiency up to 150LM/W, 180LM/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: 5 years.

CCT Option

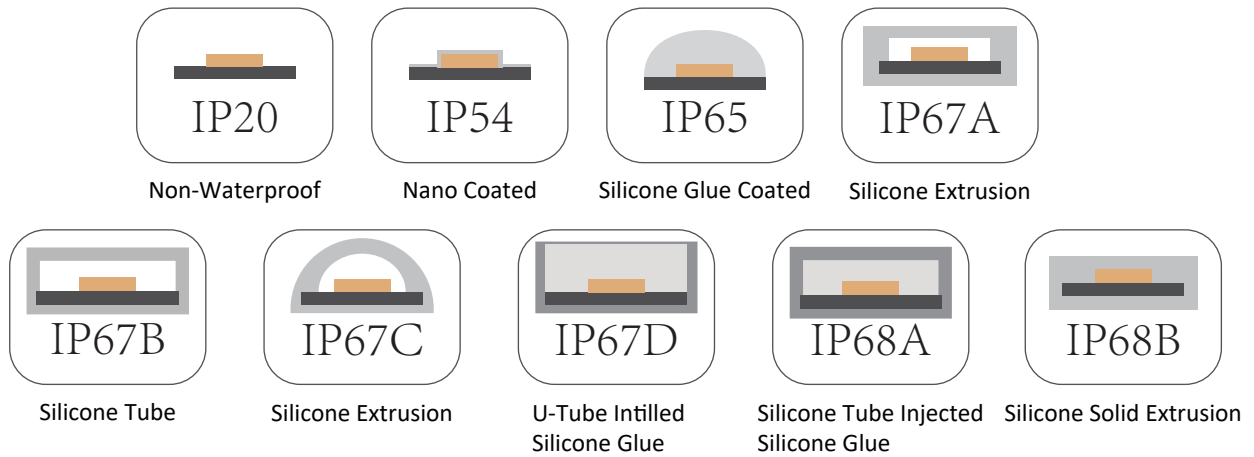


Lighting Effect

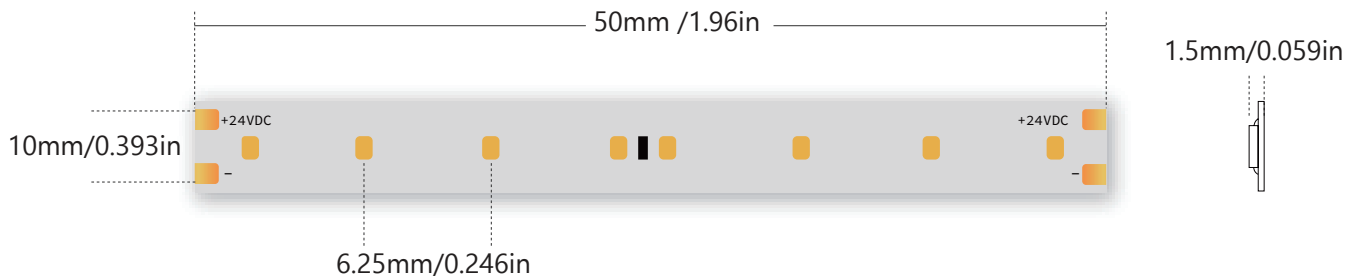


Lighting Effect

IP Rating Option



Dimension (mm/inch)



Length/Reel	Width	Height	LED Spacing	Min. Cutting ✂
5000mm/196.85in	10mm/0.3937in	1.5mm/0.059in	6.25mm/0.246in	50mm/1.96in(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
V160-FH24I	24V	14.4W/m	0.6A/m	160LED/m	80+/90+
		4.389W/ft	0.18A/ft	≈48LEDs/ft	

CCT (°K)		Luminous Efficiency	lumen	
CRI>80	2700K	135lm/W	2114lm/m	644lm/ft
	3000K	135m/W	2114lm/m	644lm/ft
	4000K	146lm/W	2126lm/m	648lm/ft
	6000K	146lm/W	2126lm/m	648lm/ft
CRI>90	2700K	178lm/W	2450lm/m	747lm/ft
	3000K	178lm/W	2450lm/m	747lm/ft
	4000K	190lm/W	2557lm/m	779lm/ft
	6000K	190lm/W	2557lm/m	779lm/ft
Other options	Red	/	/	/
	Green	/	/	/
	Blue	/	/	/

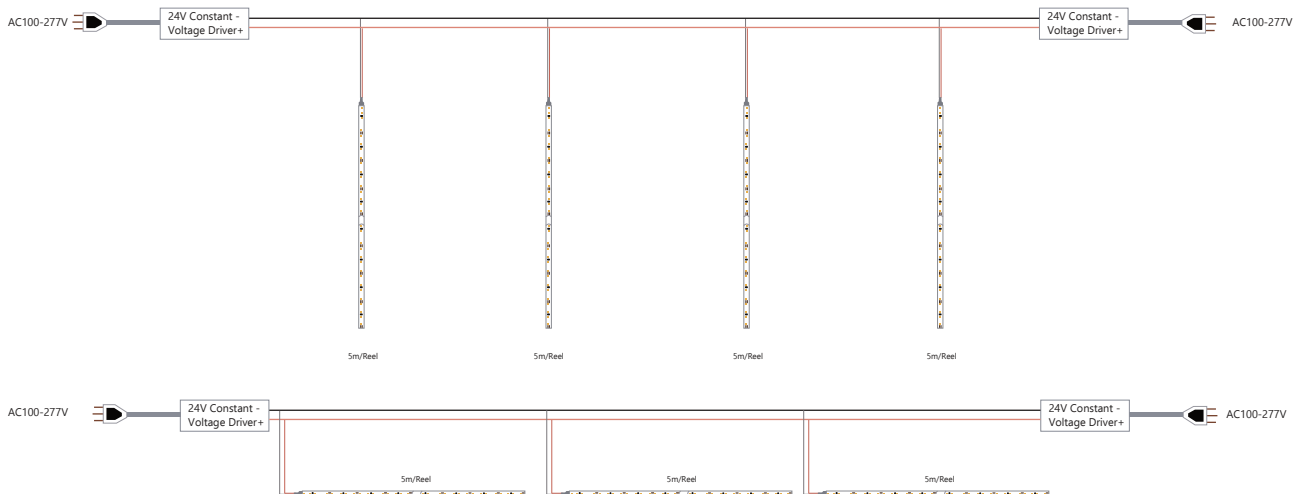
Note:

The data base on IP20 non-waterproof.
 The Lumen output value tolerance + -5% due to testing way.
 The CCT will be + -150K tolerance.

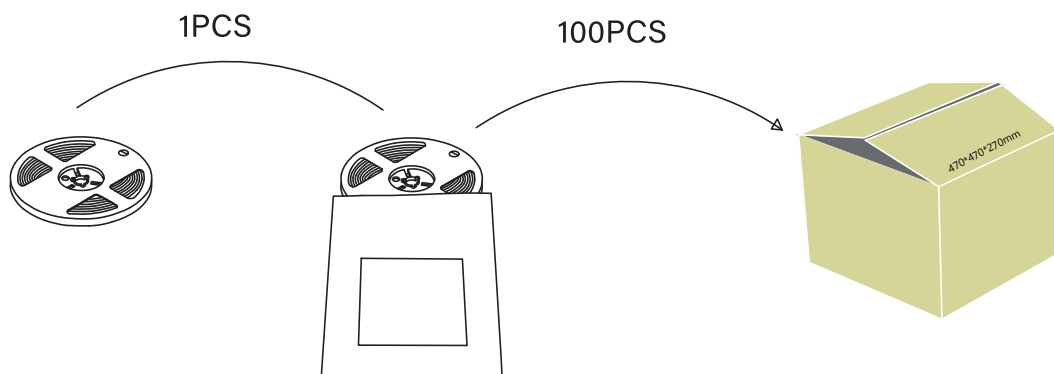
Absolute Maximum Ratings

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		

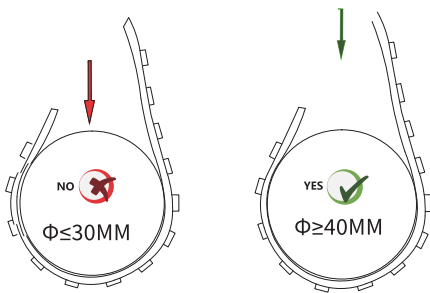
Wiring Diagram Application



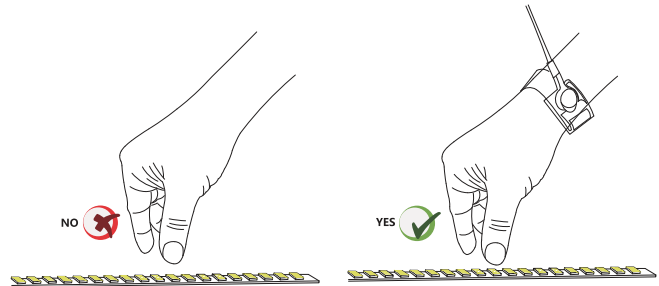
Packaging



! 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.