

Product Specification

for

Classic SMD3528 LED Flexible Strip

Part No.: EST-3528-60-12V-R-IP65

CS Part No.: ELED-5-3528-60-12V-R-65

Confirmed by	Approved by	Audit by	Date	Version
			2024/1/29	1.2

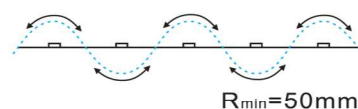


【Revision History】

[illegible]

【General Description】

1. Using high brightness 3528 LED as light source.
2. 8mm width double layer high quality PFC.
3. Ultra low power consumption, low energy efficiency.
4. Full dimmable with a separate lighting dimmer.
5. Safe low voltage 12Vdc input.
6. CRI80, IP65 silicon coating waterproof.
7. CE, ROHS, IEC62471 compliance.
8. With life span over 50000hours.
9. The LED flexible strips are ideal for applications such as offices, residential, shopping center, retail and industry lighting.



【Product Parameters】

LED Type	LED Q'ty/M	Voltage (V)	Power (W/M)	Color & CCT	Lumen (lm/M)	CRI	Current (A/m)	Working Temperature	IP grade
SMD3528	60	12VDC	4.8	Red	130	/	0.4	-20°C~+50°C	IP65

Dimension (L*W*H)	FPCB width	Cutting Segment	Cable Length	Lifespan	Beam Angle
5000*8*2.3mm	8mm white 2oz FPCB	3leds (50mm)	15cm 2pins 22AWG cables on one side	50,000H	120°

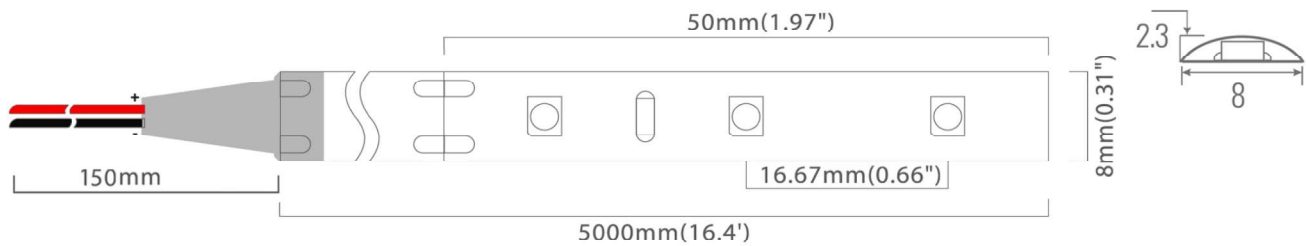
Note:

1. The above parameters were tested based on 1M IP65 products.
2. The above measurements of watts, brightness and efficiency allowance tolerance $\pm 10\%$.
3. The dimension allow $\pm 2\text{mm}$ tolerance.

【Dimension】

Unit: mm

Tolerance: ±2mm



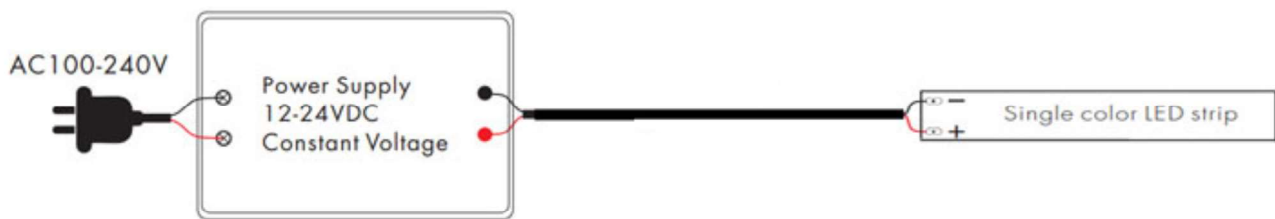
【Waterproof】

IP Process	Picture	Description	Size
IP20		Non-waterproof: Bare Strip, with self-adhesive backing, for indoor or dry location use.	(W)8mm* (H)1.5mm
IP65		Waterproof IP65: Strip Surface is covered on top with Gel, with self-adhesive backing, can protect sprayed water from all direction.	(W)8mm* (H)2.3mm
IP67		Waterproof IP67: The bare strip is put in a hollow silicone tube and sealed at two ends, can shortly immersed in water.	(W)10mm* (H)4mm
IP68		Waterproof IP68: The bare strip is put in a solid silicone tube, and sealed at two ends, can be used under water for short time.	(W)10mm* (H)5mm

【Installation】

Fix by 3M self adhesive on back

【Wiring Diagram】

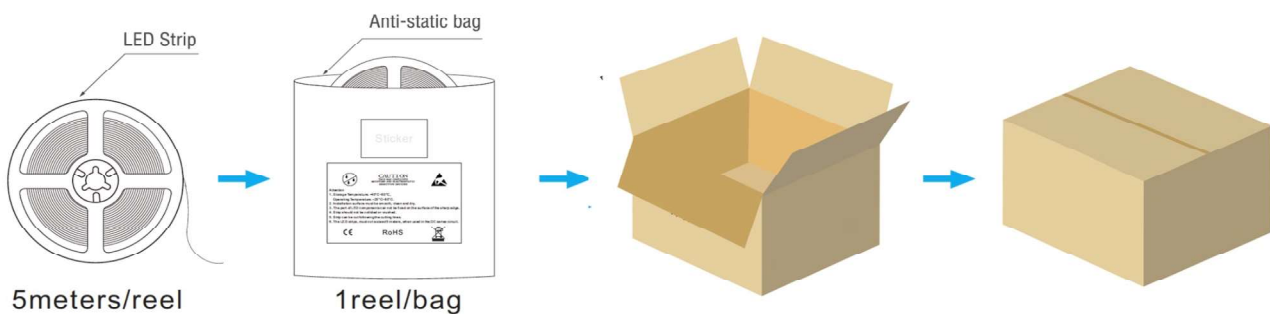


1. If without dimmer, connect red wire of LED strip to positive polarity of power supply, and connect black wire to negative polarity.
2. The max running length in series is 5 meters, for over 5 meters please connect in parallel.
3. Make sure of the total watts of LED Strip lights is less than 80% of the power supply's max output.

【Optional Accessories Information】

Picture	Name	Description
	Solderless connector 1	8mm width, 2PIN connector of FPC and FPC.
	Solderless connector 2	8mm width, 2PIN connector of FPC and wire.

【Packing】



IP Process	Qty/CTN(rolls)	Net weight per box(kg)	Gross weight per box(kg)	Carton size (cm)
IP20	/	/	/	/
IP65	80	14	15	41*41*28
IP67	/	/	/	/
IP68	/	/	/	/

Remark: Package information will be updated based on formal order.

【Precautions】

- Please drive the led strip with isolated power, and the ripple of the constant voltage source should be less than 5%.
- Please do not bend the strip into an arc with a diameter less than 60mm to ensure the longevity and reliability.
- Do not fold it in case any damage of LEDs.
- Please make sure the wire is connected to the anode and cathode correctly. The power output should be consistent with the voltage of the strip to avoid damage.
- LED lights should be stored in dry, sealed environment. Please only unpack it before usage. Ambient temperature: -25°C ~40°C Storage temperature: 0°C~60°C. Please use the strips without waterproof within indoor environment with humidity less than 70%.
- Please be careful during operation. Do not touch the AC power supply in case of electric shock.
- Please leave at least 20% power for the power supply during using to ensure there is enough power supply to drive the product.
- Do not use any acid or alkaline adhesives to fix the product (e.g.: glass cement).