



Flexible LED Strip Lights -5050 SMD serials

Product Features:	1, The preferred choice for high-brightness and RGB color-changing scenarios. 2, Flexibility & Customization: Bendable at any angle (up to 180°) for curved surfaces. Cuttable at 5cm/10cm marked intervals without damaging the circuit. 3, Color Options: Single-color (white 2200-6500K, red, blue, green, etc.), RGB (16 million color combinations), RGBW (RGB + warm white dual-mode). 4, Control Modes: Dimmable (supports PWM dimmers), RGB/RGBW models compatible with remote control, app control, or voice control (Alexa/Google Assistant). 5, Protection Level: IP20, IP65, IP66, IP68. 6, Physical Specifications: Thickness 2-3mm, width 8-12mm, length 1m/2m/5m/10m (customizable).
--------------------------	--

Advantages:	1, Energy Efficiency: Converts over 90% of energy into light, 80% more efficient than incandescent bulbs. 2, Long Lifespan: 50,000+ hours of working time (equivalent to 10+ years of daily use). 3, Safety Assurance: Low voltage operation, no flicker, no UV radiation, and surface temperature <45 °C (touch-safe). 4, Eco-Friendly: Mercury-free, lead-free, and recyclable, meeting RoHS environmental standards. 5, Easy maintenance: Solid-state construction with no fragile filaments, ensuring high durability.
--------------------	---

Product details:	LED type	5050 smd	 
	Model number	WK-FP5050-30D/60D/72D...	
	PCB size (Width)	10mm	
	Input voltage	DC 12V/24V	
	LED qty	30pcs/ 60pcs/ 72pcs...customizable	
	Power Consumption	7.2w/ 14.4w/ 17.2w...	
	Color temperature	R/G/B / 2200-6500K/ RGB	
	CRI (Ra)	> 80/90	
	Beam angle	120°	
	Lm per each led	18-20 lm	
	IP grade	IP20/65/67/68	

Packaging details:	Meters per roll	5M/ 8M / 10M...customizable	
	Rolls per carton	100 rolls / 50 rolls	
	Carton dimension	50.5x24x26.5 cm	

Commitment:	1. Brand chip: Samsung, Osram, Philips, Epistar 2. Double PCB, reduce the voltage drop. 3. 3M back tape for long term durability. 4. Comply with international standard: CE,ROHS, UL,PSE etc. 5. Quality guarantee : 2/3 years.
--------------------	--

IP Grade	Application Scenarios	Core Advantages	Notes
IP20	Indoor dry environments (ceiling, wardrobe, TV cabinet background wall)	Easy to install and low cost	Avoid humid areas such as bathrooms and kitchens with heavy moisture
IP65	Semi-outdoor/indoor humid environments (balcony, corridor, kitchen, dry area of bathroom)	Splash-proof and dust-resistant, suitable for daily moisture	Do not expose to direct rain or submersion in water
IP65/IP67	Outdoor non-submerged environments (courtyard landscaping, under-eaves lighting, door decoration)	Rain-resistant and adaptable to harsh weather with comprehensive protection	IP67 can handle short-term water accumulation, ideal for rainy areas
IP67	Shallow water environments (swimming pool surroundings, fountain exteriors, fish tank peripheries)	Safe for short-term submersion, suitable for wet and water-prone scenarios	Not for long-term submersion; water level should not exceed 1 meter
IP68	Underwater environments (underwater swimming pool lighting, fountain interiors, fish tank internal)	Stable operation during long-term deep water submersion with the strongest waterproof performance	Confirm the maximum diving depth marked on the product and install as required

Notes & Warnings:	1, Do not exceed the maximum load of the controller/power adapter to prevent overheating. 2, For outdoor use, ensure the strip has an IP65+ protection rating and seal the cut ends with waterproof tape. 3, Avoid bending the strip too tightly (minimum bending radius: 5cm) to protect the circuit. 4, Disconnect power before cutting or installing the strip to avoid electric shock.
------------------------------	---

Applications:	1, Stage lighting; 2, Decorative lighting for festivals/events; 3, Outdoor signage (waterproof versions); 4, RGB color-changing lighting for living rooms/parties; 5, High-brightness task lighting (e.g., workshops, large commercial spaces).
----------------------	---

Updated on: 202511