



Flexible LED Strip Lights -2216 SMD double color temp.

Product Features:	1, Its ultra-compact chip size (2.2×1.6mm) makes the light strip extremely thin and flexible, allowing it to bend freely around narrow corners, curved surfaces, or small spaces (e.g., gaps in furniture, edge of thin displays). 2, CCT color tunable, white and warm white. 3, Flexibility & Customization: Bendable at any angle (up to 180°) for curved surfaces. Cuttable at 5cm/10cm marked intervals without damaging the circuit. 4, Color Options: Single-color (white 2200-6500K, red, blue, green, etc.). 5, Control Modes: Dimmable (supports PWM dimmers). 6, Protection Level: IP20, IP65, IP66, IP68. 7, Physical Specifications: Thickness 2-3mm, width 5/8/10mm, length 1m/2m/5m/10m (customizable).
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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℃ (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.
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Product details:	LED type	2216 smd	
	Model number	WK-FP2216D-120D/240D	
	PCB size (Width)	5mm/ 8mm / 10mm	
	Input voltage	DC 12V/24V	
	LED qty	120pcs/ 240pcs	
	Power Consumption(w/m)	9.6 w/ 19.2w	
	Color temperature	white & warm white	
	CRI (Ra)	> 80/90/95	
	Beam angle	120°	
	Lm per each led	7-8 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.
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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 lighting)	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.
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Applications:	1, Ambient lighting for cabinets, drawer lighting, under-counter lighting (low-brightness needs). 2, Decorative lighting for small electronic devices, or scenarios requiring hidden installation with strict space constraints.
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