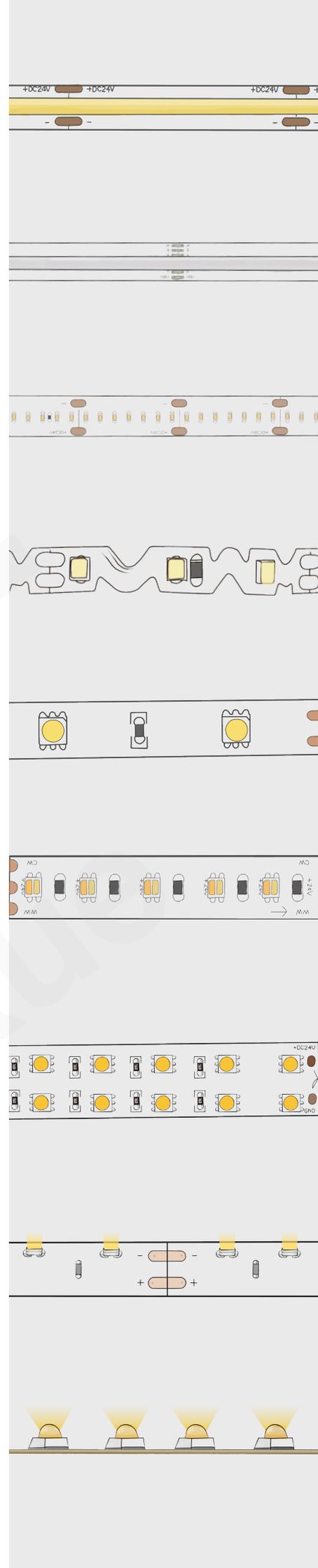




Production Specification

Top view 12*06mm Neon IP67 SCOB



E-mail: info@mingxue.cn

Tel: +86-755-27637866

Address: 14 Floor, T3 Building, HIPAR technology building, Shiyan Town, Bao'an District, Shenzhen, China.

Factory: Building 9 & 10, WanYang park, baoyong industry road No 8, west area baoyong industry zone, longjiang town, Shunde District, Foshan city.

www.mingxueled.com



IP67 SCOB Strip Light

- 12*6mm top view Silicone Waterproof LED Strip Light
- Light source: High luminous efficiency, LM80 proved; High light transmittance, environmental silicone material, IP67;
- Resistance to saline solutions, acids & alkali, corrosive gases and UV;
- OEM ODM is acceptable



STRUCTURE

Item Code	Cut Length	Input voltage	Watt/m	CCT/K	Color Rendering Index	Lm/m	Lm/ft	LM/w	IP Rate	Max.run length
MN329W320Q90-D027A6E10108N-1205ZE	25MM	24V	12W	2700k	>90	1440	439	120	IP67	5m
MN329W320Q90-D030A6E10108N-1205ZE	25MM	24V	12W	3000k	>90	1680	512	140	IP67	5m
MN329W320Q90-D040A6E10108N-1205ZE	25MM	24V	12W	4000k	>90	1790	546	157	IP67	5m
MN329W320Q90-D050A6E10108N-1205ZE	25MM	24V	12W	5000k	>90	1790	546	157	IP67	5m
MN329W320Q90-D065A6E10108N-1205ZE	25MM	24V	12W	6500k	>90	1790	546	157	IP67	5m

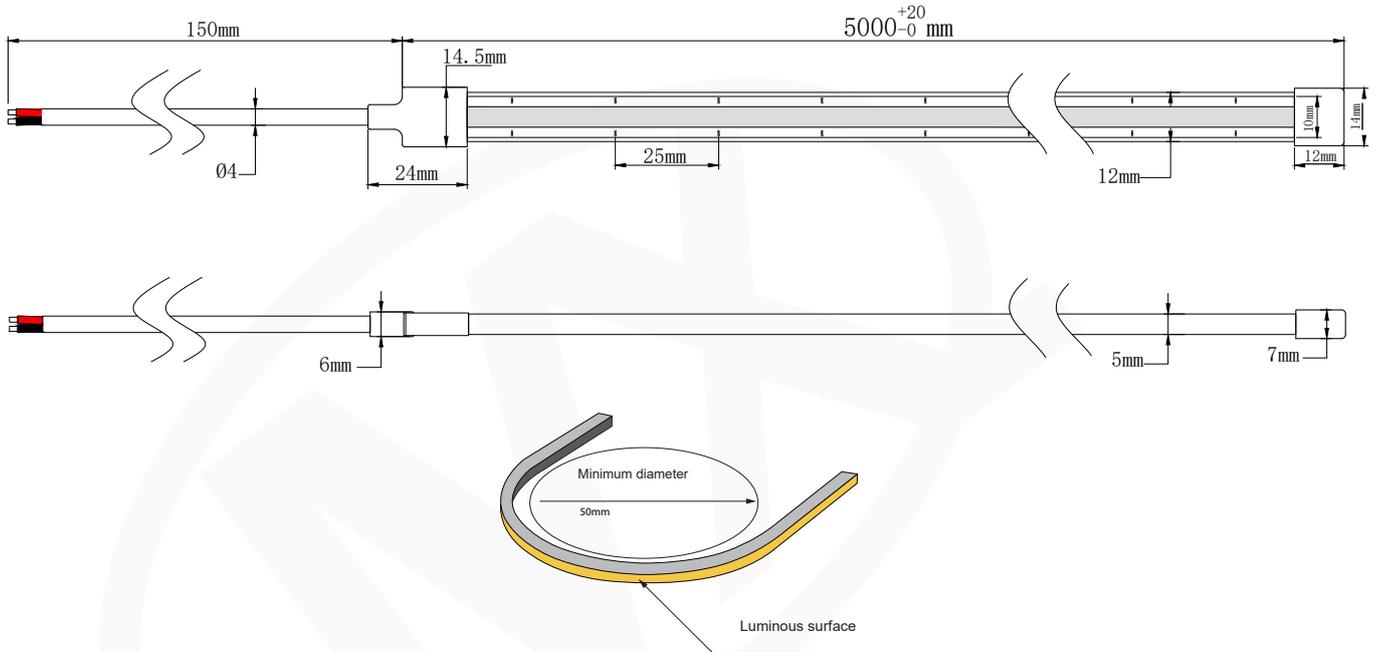
Optical parameter

LED Type:	SMD2219
Color Rendering Index:	>90
CCT Range:	2700~6500K
Irritation Angle:	120°
Light Efficiency:	120~157Lm/w
Lumen Output/meter:	1440~1790Lm/m (439~546Lm/ft)
IK/IP Grade:	IP67

Electric parameter

Input Current/m:	0.48(max)A/m(0.15A/ft)
Input Voltage:	DC24V
Power/M:	12W/m(3.7W/ft)
Static Electricity:	2000V (ESD)
LEDs/Meter:	320LEDs/m
Cut Length:	25MM
LEDs of Section	8LEDs

DRAWING

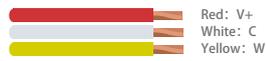


ELECTRICAL WIRING COLOR CODES

○ MONOCOLOR



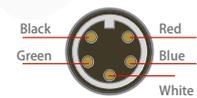
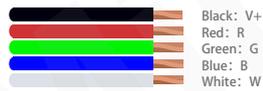
○ CCT



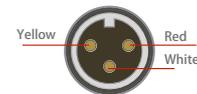
○ RGB



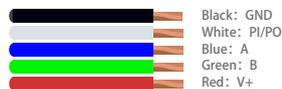
○ RGBW



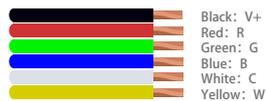
○ SPI



○ DMX



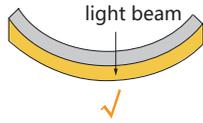
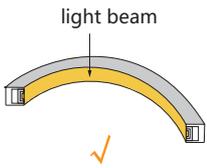
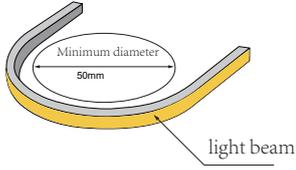
○ RGBCCT



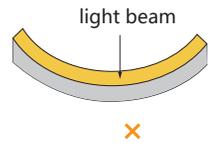
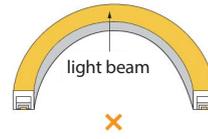
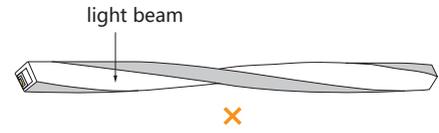
Reliability test of light

TEST TYPE	TESTING ITEM	TEST STANDARD	DESCRIPTION	
PHOTOMETRIC TEST	Spectrum Analysis	LM 79	LM 79(lumen,CCT,CRI,XY,SDCM,wave length)	
	Photometric Distribution	LM 79	LM 79(lumen intensity distribution&Lux diagram)	
	Lumen Maintenance&Life Time	IES LM 80&IES TM28 GB/T24824-2009	LM 80&IES TM28	
ELECTRICAL TEST	EMC Test	EMI & EMS	IEC 61547/GBT 18595 IEC 61000-3-2/GB 17625.1	
MECHANICS & PHYSICE TESTING	Bending Test Vertical	Mingxue	Manufacturer-defined,100 cycles 3 times bending with 0.5m/s pulling speed	
	Bending Test Horizontal	R2	Manufacturer-defined,100 cycles 3 times bending with 0.5m/s pulling speed	
	Wrestling test	Mingxue	COB/CSP 500 / SMD 1000. cycles	
	Swing Test	UL2388	UL2388,>750 cycles	
	Tensile Test	IEC 60598-1; GB7000.1	Manufacture-defined,>the weight of light in maximum connection length with both ends feed. With 30Nm if total cross section <0,75 or 60Nm force, pull wire 25 times during 1 sec. Mark displacement ≤ 2mm.	
	Twist Test	Mingxue	Manufacturer-defined,>200 cycles in 720°	
	Curl test	Mingxue	Back and forth 80-100 times	
	IK06-08-10	IEC62262	IEC62262 The hammer spring Impact energy 0.7J	
	Adhesion test	JB1256-77	3M 4229P hung on 2kg loads >7 hrs	
	Drop test	IEC68-2-6	IEC68-2-6,GB/T2423/10/95	
	Vibration test	ISTA-1A	bear up to 25,4mm amplitude in 14200 cycles	
	Winding Test	IEC 60598-1; IEC 60598-2-21; GB-7000.1	φ 150mm cylinder, 60N pull, winding 10 times at (-25°C ±2°C) , and 10 times after(-15°C ±2°C, 16h).	
	Electrical strength	IEC 60598-1; IEC 60598-2-21 GB-7000.1	500V	
	Product accessories disassembly test	Mingxue	Product accessories are installed and adapted 5-10 times	
	ENVIRONMENT TESTING	Heating test	IEC 60598-1: 12.4	Sample to be tested under normal installation Under 1.06 times Rating Voltage After 30 minutes.
		Salt Spray Test	IEC 60068-2-11	5% salt solution concentration,5% salt water,35+/-2C for 72hrs
High temperature and Humidity impact		IEC 60068-2-78 GB/T 2423.3	60+/-2° C for 168 hrs 60°C, 85%RH, Test light decay data<3%	
Temperature Shock Test		IIEC60068	Manufacturer-defined,-40°C-60°C(typical temperature ange) 168H	
switch test		GB/T24824-2009	30s On, 30s Off, 15000 times;on/off every 30S, > 15000 cycles	
Lifetime aging test		Mingxue	Normal temperature 25°C	
Constant Temperature Test		Mingxue	Manufacturer-defined,60°C to -40° (typical temperature)	
Cold Bend Test		IEC 60598-1; IEC 60598-2-21 GB-7000.1	wound on mandrel,low-temperature (-15°C ±2°C, 16h), around the mandrel for two turns	
Cold Impact test		IEC 60598-1; IEC 60598-2-21 GB-7000.1	Low-temperature (-15°C ±5°C, 16h), hammer falls from a height of 100mm.	
UV Exposure Test		ASTMG154-06	ASTMG 154,ISO 4892-3, UVA@340nm ASTMG154-06, UVA-340 0.68W/m2 for 500 hrs	
IPX5 IPX6 IPX7 IPX8		IEC 60598-1; IEC 60598-2-21 GB-7000.1	IEC60529 IPX5/X6/ IPX7/X8	

Bend instruction

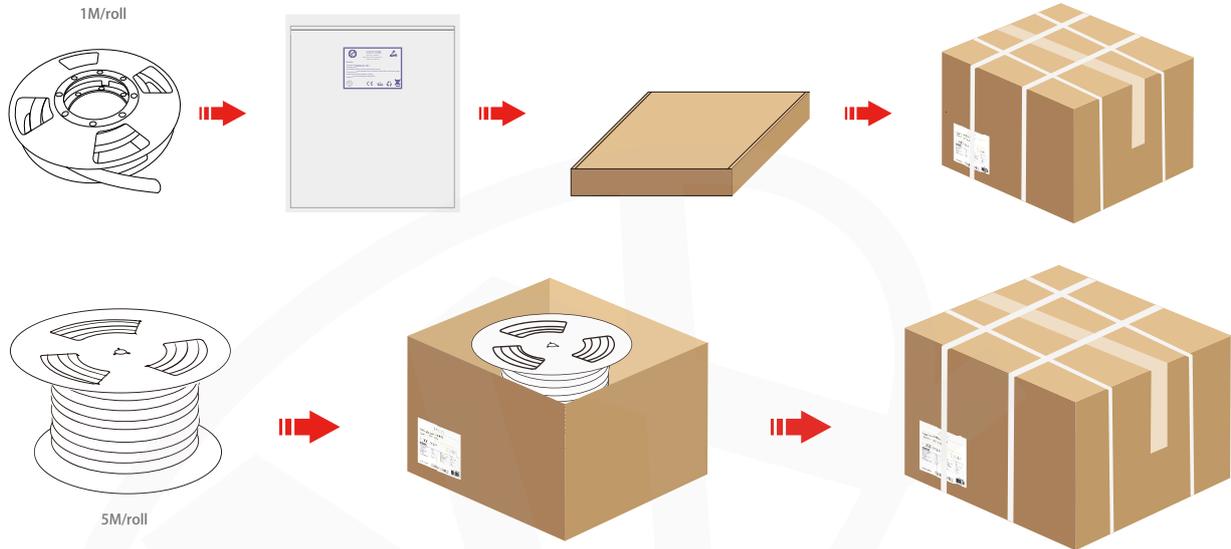


Correct bend



Wrong Bend

Packing



Safety Information

Application notes for led flexiable strip

In order to drive LED flexible strip lights safely, it is absolutely necessary to operate them with an electronically stabilised power supply protecting against short circuits, overload and overheating.

To also ease the luminaire/installation approval, electronic control gear, power supply and all electronic accessories for LED or LED modules should carry "CE, or UL" mark and meet the latest safety standard.

- Please use 24VDC isolated power supply to drive the led strip, and the constant voltage source ripple less than 5%. Can't step-down the power by resistance-capacitance and non-isolated power supply driver led strip, etc.
- To ensure the longevity and reliability of the strips, please do not bend the arc diameter 300mm or less, do not fold to avoid damaging the lamp beads or broken.
- To ensure the life and environment of lights, in the use of force can not pull the power cord to avoid damage to prohibit collision LED lights.
- During the installation of positive and negative attention to the power cord, do not pick the wrong voltage power supply and the product are the same, so as to avoid damage to the product.
- LED lights should be stored in dry sealed environment, the proposed storage period should not be too long before using unpacking, the working temperature: $-20 \sim +45$, Storage temperature: $-0 \sim +60$, not waterproof lights band indoor use, relative humidity not higher than 70%.
- In practical applications, the power supply should leave 20% margin (recommend using only 80% of the power) in order to ensure a sufficient amount of voltage drive products
- Do not use any acidic, alkaline adhesive securement products (including not limited to glass, plastic, etc.)

