

Specification

DS560RGB-12V-10MM



▼ General description

- RGB colorful strip
- LED built into IC, and IC has break point transmission function
- controllers which support UCS19**, UCS29**, TM18**, SM167**, WS28**, GS82**, SK6812, DM613P are recommended
- Ta: -20~40° C; Tc=75° (max)



▼ Dimension

※Max.length: 5000mm

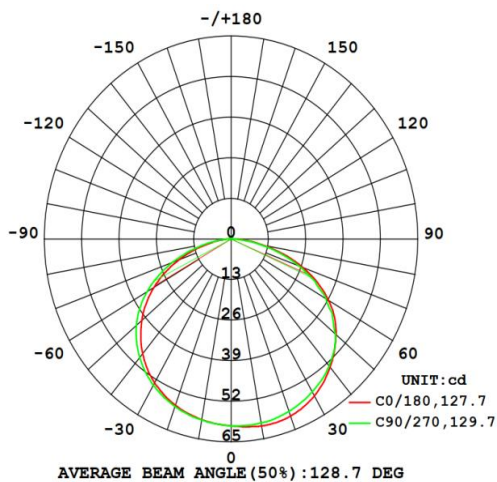
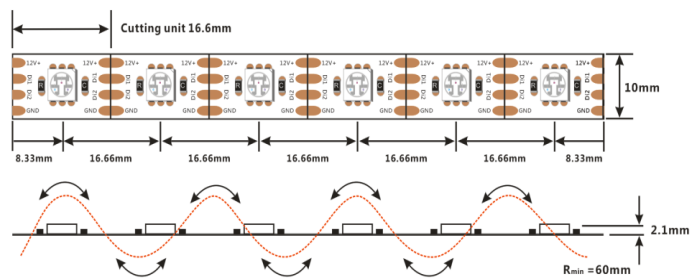
Cutting unit: 16.6mm

Min. bend diameter: Φ 60mm

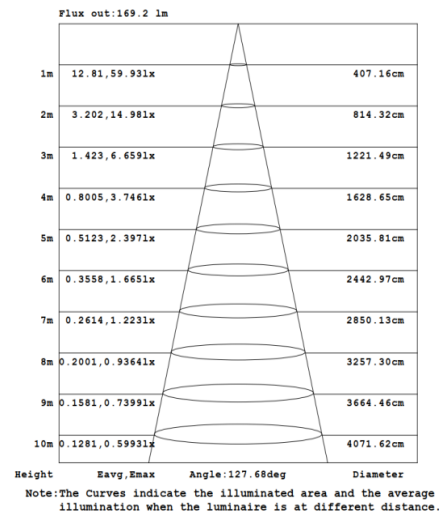
Mounting: 3M tape

IP: IP20/IP65

※Warranty: 2years



Photometric of 1M strip



AAI Figure

※Max.length data is based on 10% voltage drop

※Warranty is based on indoor use

▼Electronic & output data

Input voltage: DC12V	Rated current: 0.7A(1m) /3.2A(5m)
Typical Power: 8.4W(1m) /38.4W(5m)	Colors: RGB
Max.power: 9.3W	On-off times: 10000 (test times)
Power range: 7.5 ~ 9.3W	Copper foil: 3oz





Color	W (R+G+B)	R	G	B
wavelength	-	620-625nm	520-525nm	465-470nm
Lumen	207Lm	-	-	-
Lm/W	27Lm/W	-	-	-
Energy efficiency class	B	-	-	-

- 1.The tolerance of output data can be vary up to 15%
- 2.the output data tested according to IES TM-30-15
- 3.the output data is based on IP20/1merter, data of 5m in only for reference
- 4.IP protection process leads changes to size, CCT and luminous flux

▼IP Process

IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	NO	10mm*1.6mm	RGB	100%
NA	 NA/IP65	NA	10mm*1.6mm	RGB	98%

▼ Accessories Information

Name	Picture	Code	description
Fixed Clip		94-02-00-0018	10mm width IP20
Controller		23-01-00-0048	Suit for SPI and DMX strip With 1 port 1024 pixels for SPI 512 pixels for DMX
Controller		23-01-00-0049	Suit for SPI and DMX strip With 4 ports 4*1024pixels for SPI 4*512 pixels for DMX
Controller		23-01-00-0050	Suit for SPI and DMX strip With 8 ports 8*1024pixels for SPI 8*512 pixels for DMX

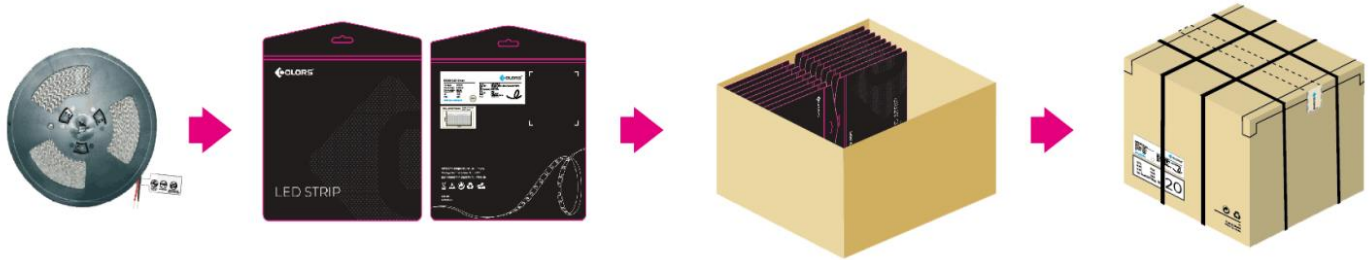
▼ Order Code Formats

1: Category		2: LED		3: LM/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
DS	-	5	5050	60	60LED	12	12V	10	10mm	NO	NO	0	0	RGB	RGB
										NA	NANO				
DS	-	5		60		12		10		NO		0		RGB	
9: Silk Printing		10: Entry cable		11: Wire type		12: Wire length		13: Tape type		14: Label Type		15: Strip Length			
N	Neutral	D	Double	I	公母头	020	20cm	W	White 3M	C	COLORS	0500	5m		
		X	Nothing	X	无出线	0	Nothing	Y	Yellow 3M	S	Customized				
								R	Red tape						
								X	Nothing						
N		D		I		020		W		C		0500			

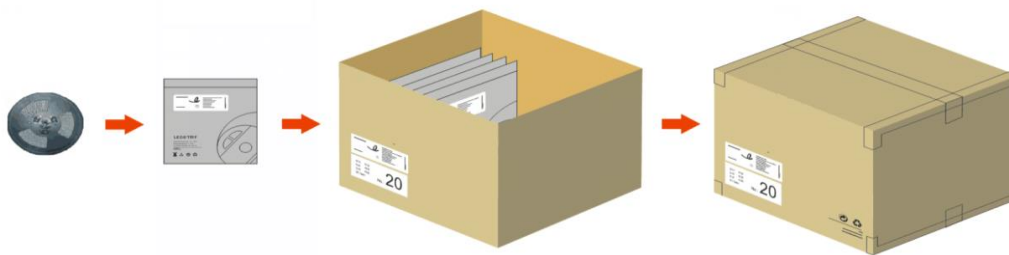
DS560NO-0RGBNDI020WC0500

▼ Packing

Colors brand package



General customized package



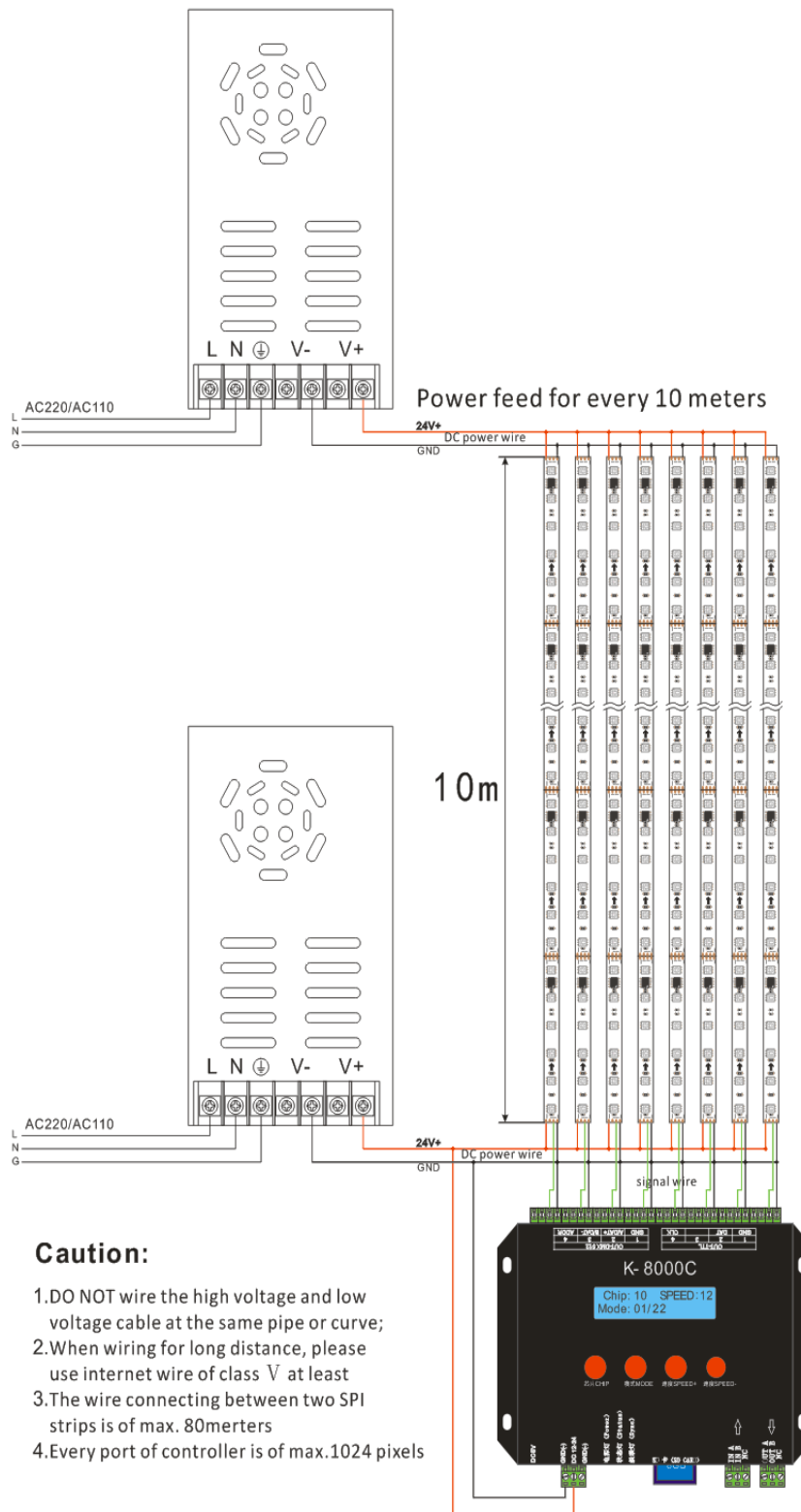
IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (mm)
NO	5000*10*1.6	5	250	0.125	6.25	7.19	410*410*260
NA	5000*10*1.6	5	250	0.131	6.55	7.53	410*410*260

Remark: data with 10% tolerance

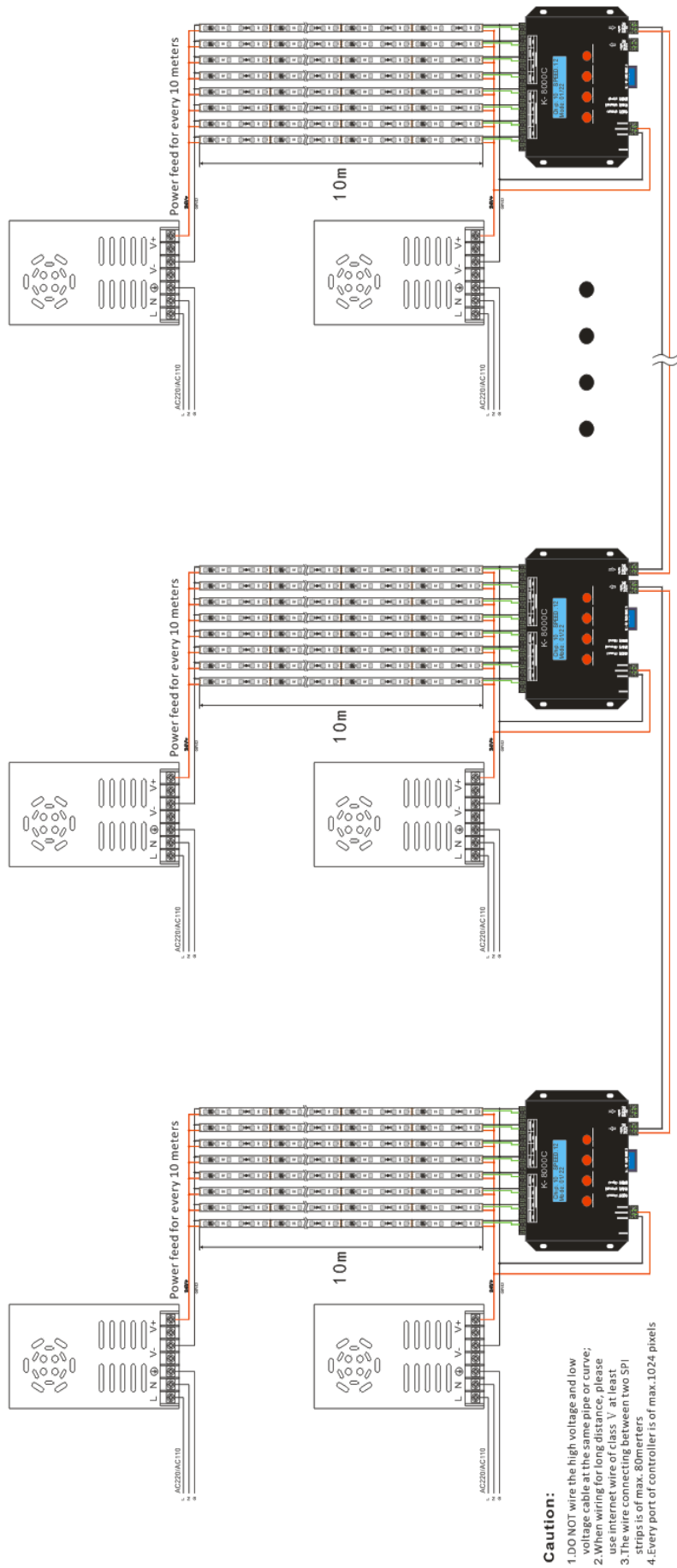
▼ Precautions

- ※ Please drive the led strip with 12VDC 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 LED beads.
- ※ Do not pull the power wire hard to ensure the longevity. Any Crash may damage the LED light is prohibited.
- ※ 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: -20°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).

▼ Connection diagram



Connecting diagram for SPI RGB/W strip



Caution:

1. DO NOT wire the high voltage and low voltage cable at the same pipe or curve;
2. When wiring for long distance, please use internet wire of class V at least
3. The wire connecting between two SPI strips is of max. 80meters
4. Every port of controllers is of max. 1024 pixels

Connecting diagram for SPI RGB/W strip