

# Specification

## Toning series

### 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

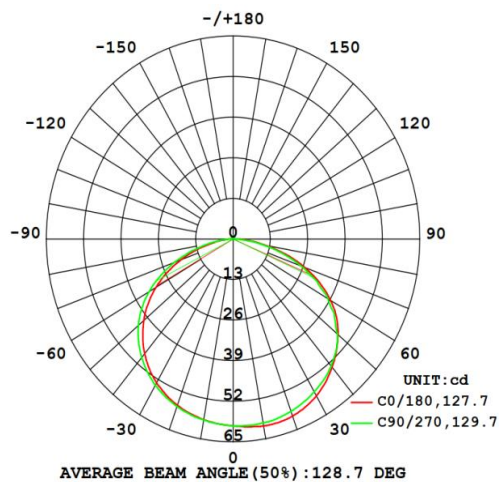
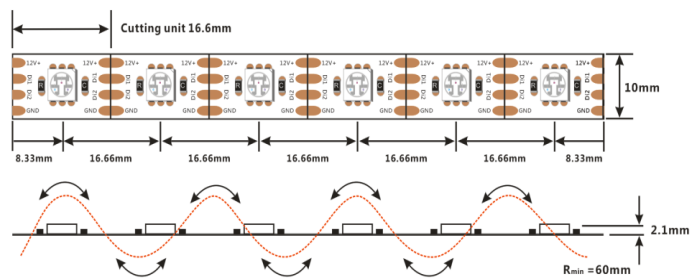
Cutting unit: 16.6mm

Min. bend diameter: Φ60mm

Mounting: 3M tape

IP: IP20/IP65

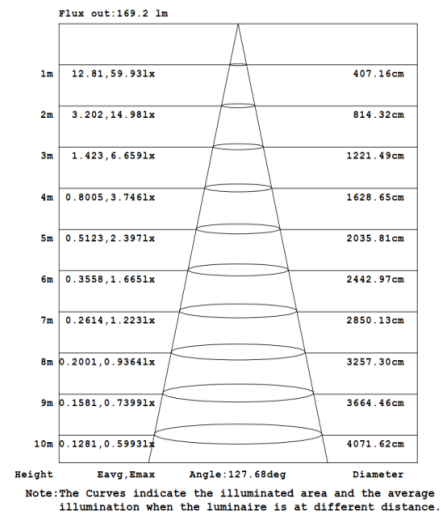
※Warranty: 2years



Photometric of 1M strip

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





※Warranty is based on indoor use



AAI Figure



### ▼ 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

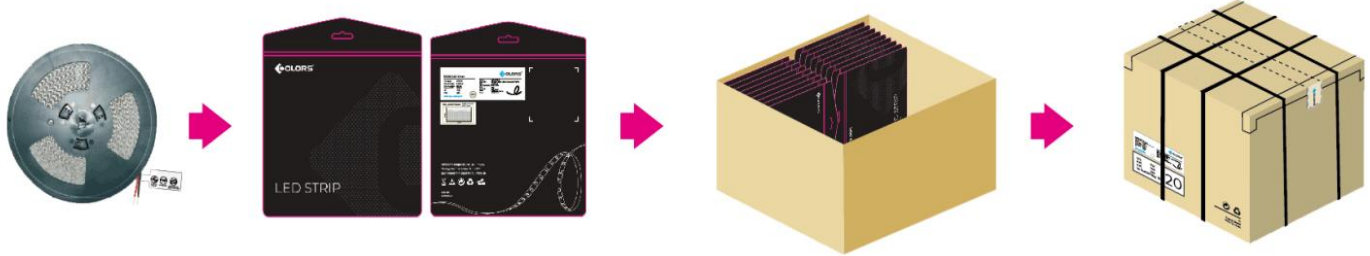
1: Category		2: LED		3: LM/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
DS	-	5	5050	60	60LED	12	12V	10	10mm	NO	NO	0	0	RGB	RGB
										NA	NANO				
DS	-	5		60		12		10		NO		0		RGB	

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	

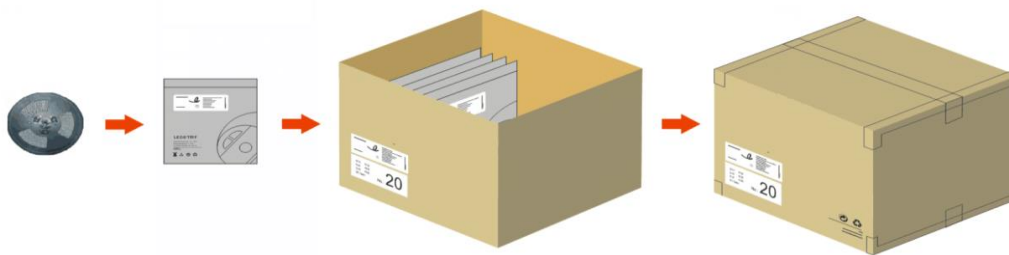
DS560NO-0RGBNDI020WC0500

## ▼ Packing

### Colors brand package



### General customized package



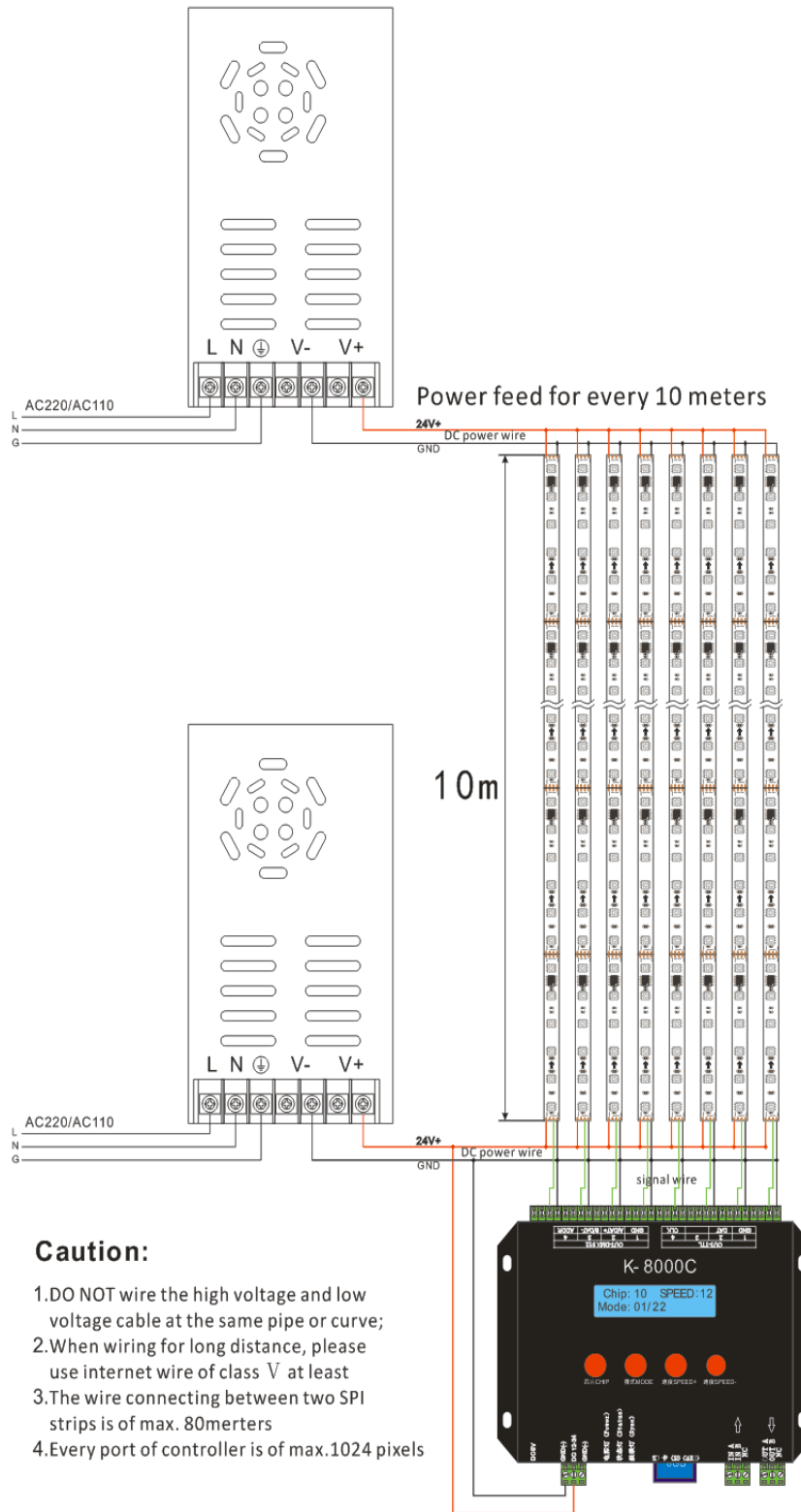
IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (mm)
NO	5000*10*1.6	5	250	0.125	6.25	7.19	410*410*260
NA	5000*10*1.6	5	250	0.131	6.55	7.53	410*410*260

Remark: data with 10% tolerance

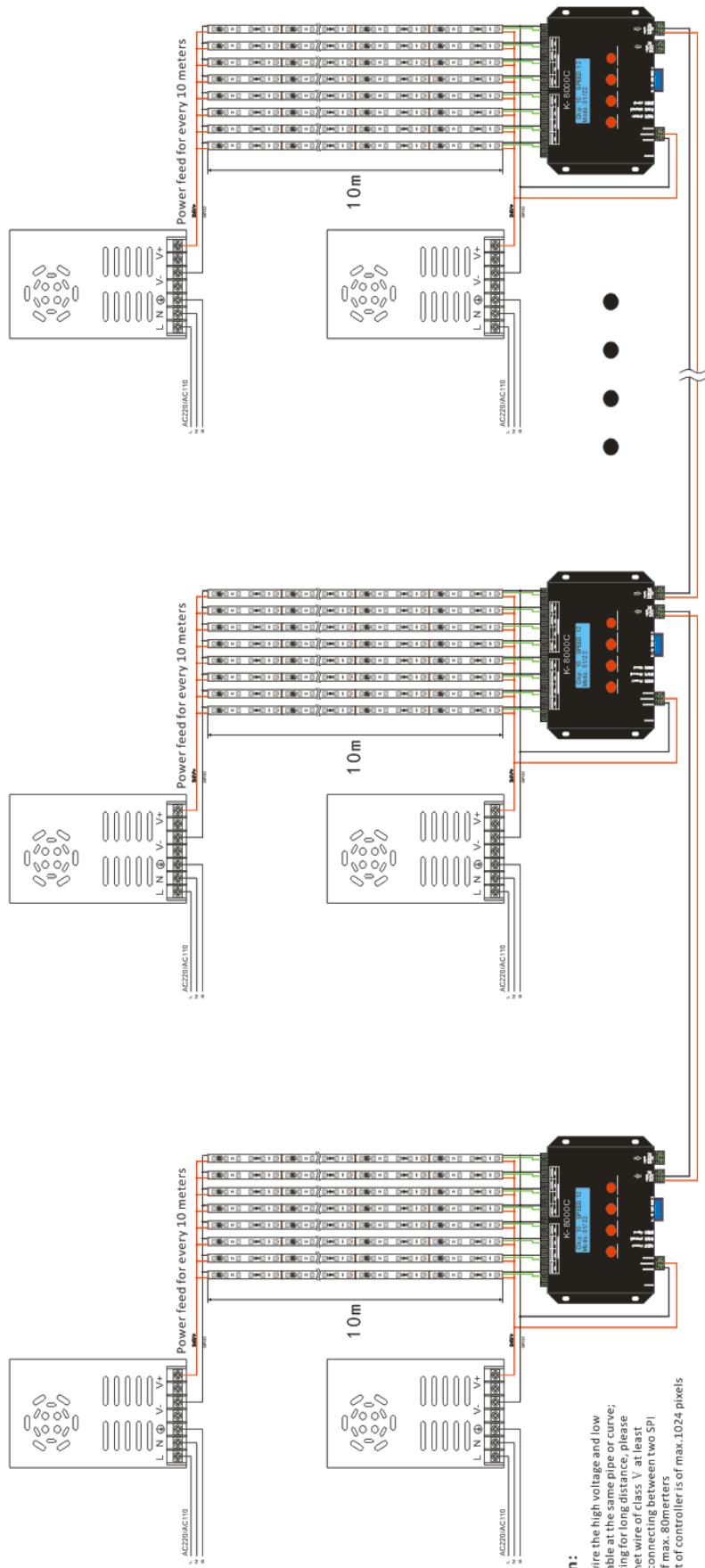
## ▼ Precautions

- ※ 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