

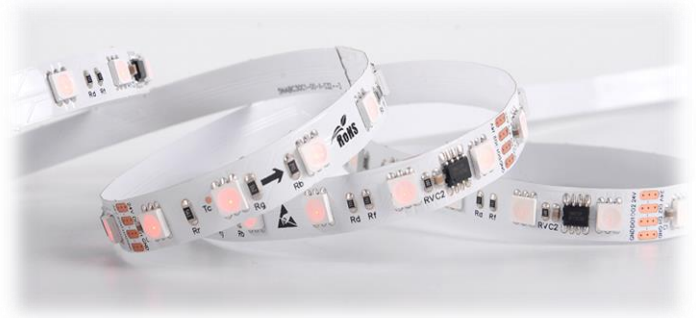
# Specification

## DS560RGB-24V-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

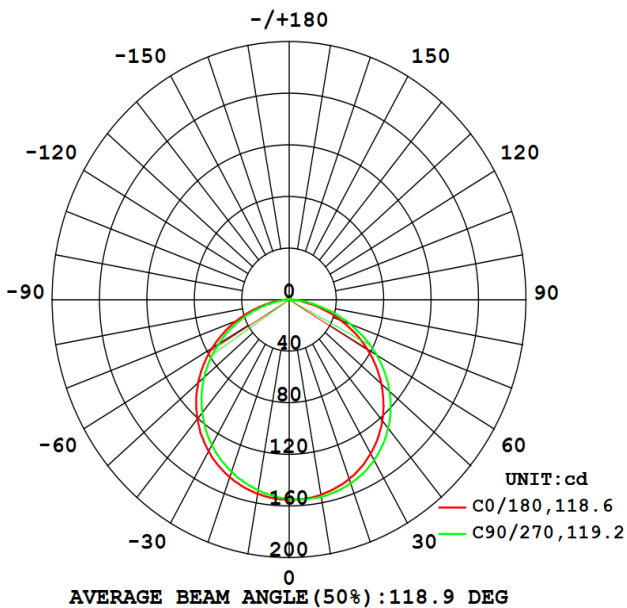
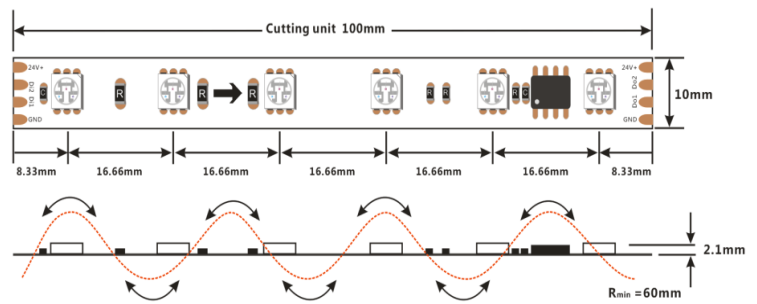
Cutting unit: 16.6mm

Min. bend diameter: Φ60mm

Mounting: 3M tape

IP: IP20/IP65/IP67

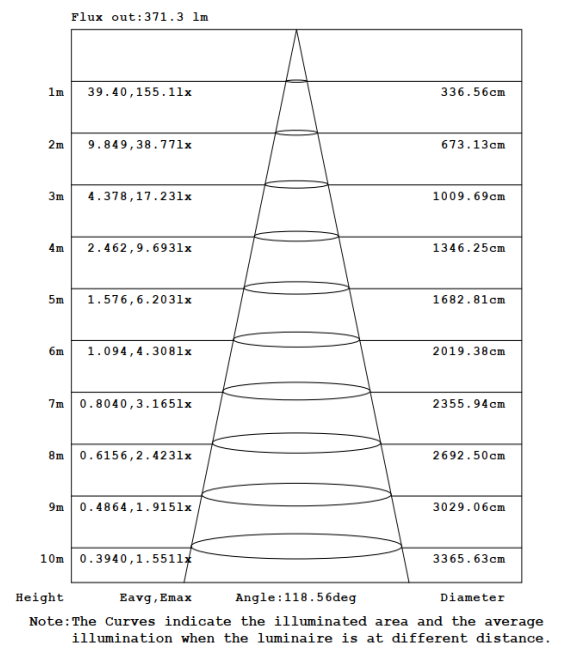
※Warranty: 3years



Photometric of 1M strip

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

※Warranty is based on indoor use



AAI Figure




## ▼Electronic & output data

Input voltage: DC24V	Rated current: 0.64A(1m) /3.21A(5m)
Typical Power: 15.4W(1m) /77W(5m)	Colors: RGB
Max.power: 17.1W	On-off times: 10000 (test times)
Power range: 13.7 ~ 17.1W	Copper foil: 3oz



Color	W (R+G+B)	R	G	B
wavelength	-	620nm	520nm	465nm
Lumen	480Lm	-	-	-
Lm/W	29LM/W	-	-	-
Energy efficiency	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%
ET	 ET/IP67	Extrusion tube	10mm*12*5mm	RGB	88%

## ▼Accessories Information

Name	Picture	Code	description
"T" connector		94-44-00-0117	"T" connector model; male cable+female cable,Power wire 2pin,18AWG,L=150mm
Fixed Clip		94-02-00-0018	10mm width IP20

Mounting clip		94-02-00-0025	Transparent PVC mounting groove size:1000*9.8*9.5mm,suitable for 10mm FPC silicone extruded EF strip
Fixed Clip		94-02-00-0003	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EH/EF/ET strip
Hole plug		94-02-00-0022	Silicone plug,suitable for 10mm FPC ,EH/ET/EF silicone extrusion strip
Stopper glue		94-16-03010001	Silicone gel,suitable for IP65 and IP67 LED strip
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

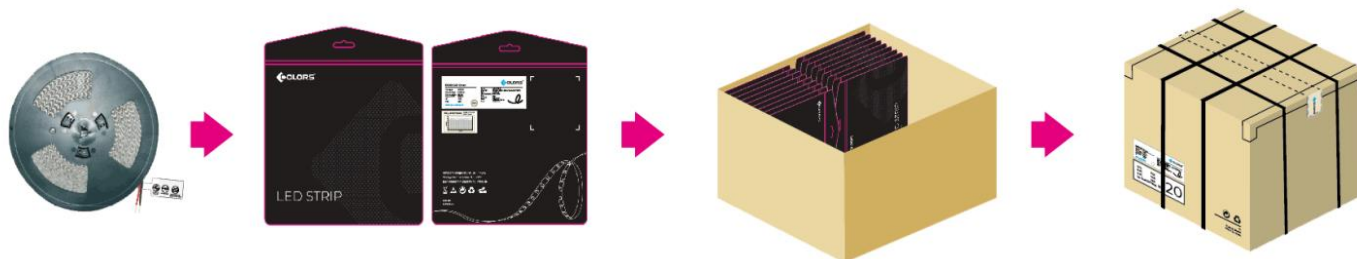
## ▼Order Code Formats

1: Category		2: LED		3: LM/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
DS	-	5	5050	60	60LED	24	24V	10	10mm	NO	NO	0	0	RGB	RGB
										NA	NANO				
										ET	Extrusion tube				
DS	-	5		60		24		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	Male and female head	020	20cm	W	White 3M	C	COLORS	0500	5m		
		X	Nothing	P	Silicone waterproof line	0	Nothing	Y	Yellow 3M	S	Customized				
				X	Nothing			R	Red tape						
								X	Nothing						
N		D		I		020		W		C		0500			

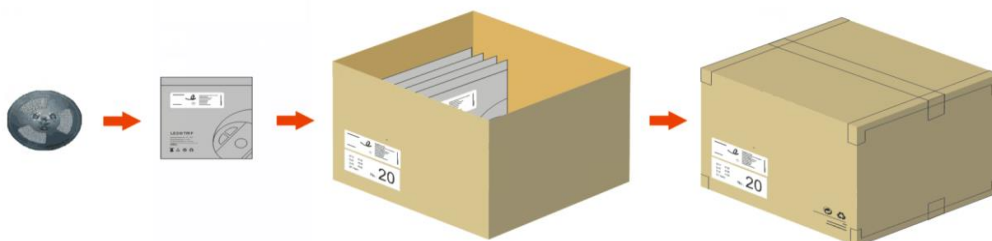
DS5602410NO-0RGBNDI020WC0500

## ▼ Packing

### Colors brand package



### General customized package



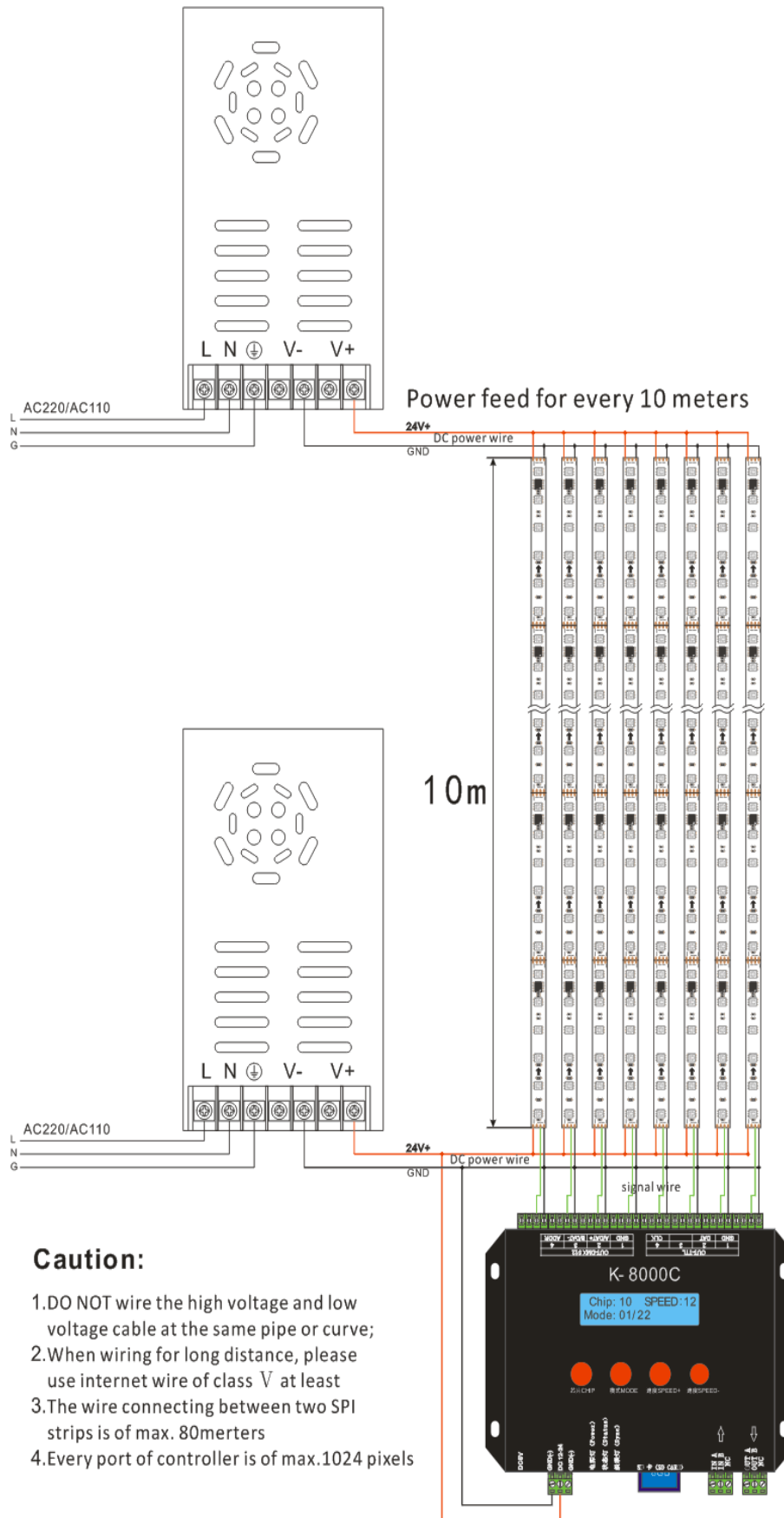
IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (mm)
NO	5000*8*1.6	5	250	0.125	6.25	7.19	410*410*260
NA	5000*8*1.6	5	250	0.131	6.55	7.53	410*410*260
ET	5000*10*4.8	5	200	0.505	20.2	23.23	410*410*260

Remark: data with 10% tolerance

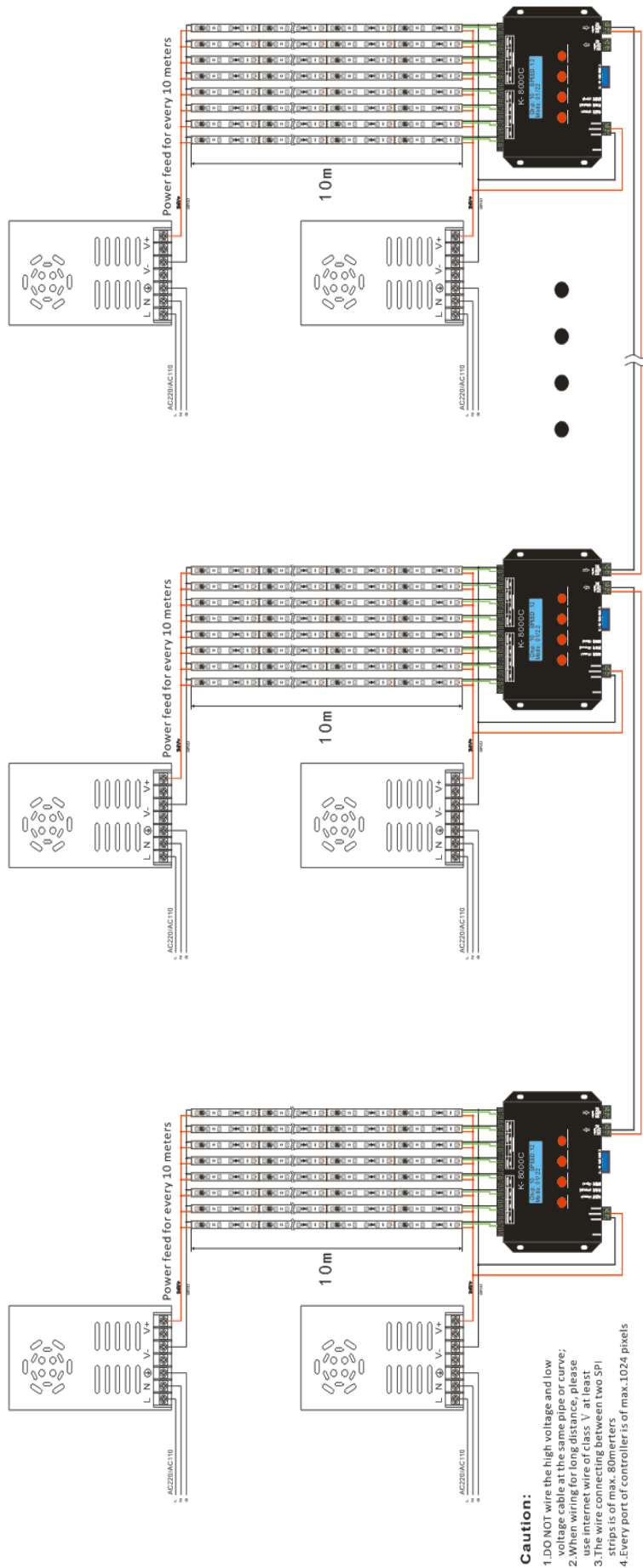
## ▼ Precautions

- ※ Please drive the led strip with 24VDC 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



## Connecting diagram for SPI RGB/W strip