

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

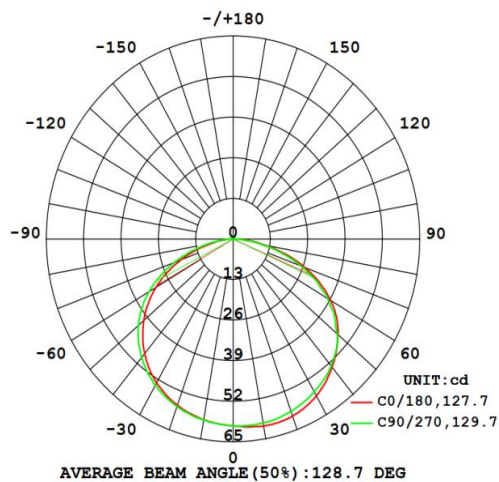
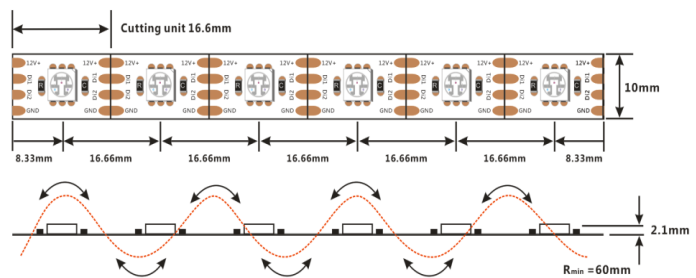
Cutting unit: 16.6mm

Min. bend diameter: Φ60mm

Mounting: 3M tape

IP: IP20/IP65

※Warranty: 2years



Photometric of 1M strip

Flux out: 169.2 lm

Height	Havg, Emax	Angle: 127.68deg	Diameter
1m	12.81, 59.93lx		407.16cm
2m	3.202, 14.98lx		814.32cm
3m	1.423, 6.659lx		1221.49cm
4m	0.8005, 3.746lx		1628.65cm
5m	0.5123, 2.397lx		2035.81cm
6m	0.3558, 1.665lx		2442.97cm
7m	0.2614, 1.223lx		2850.13cm
8m	0.2001, 0.9364lx		3257.30cm
9m	0.1581, 0.7399lx		3664.46cm
10m	0.1281, 0.5993lx		4071.62cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

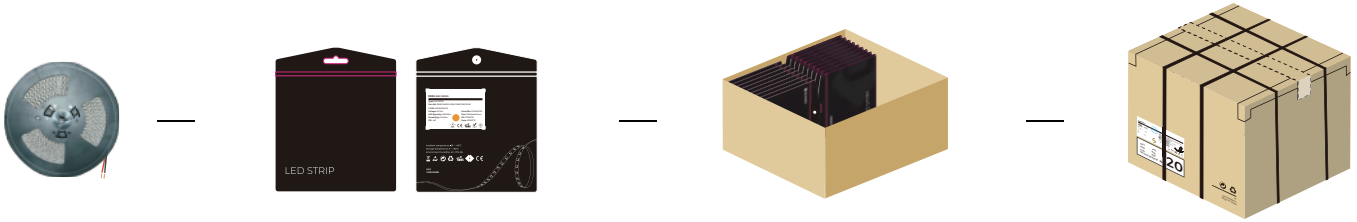
1: Category		2: LED		3: LM/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
DS	-	5	5050	60	60LED	12	12V	10	10mm	NO	NO	0	0	RGB	RGB
										NA	NANO				
DS	-	5		60		12		10		NO		0		RGB	

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	L	SEL	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		L		0500	

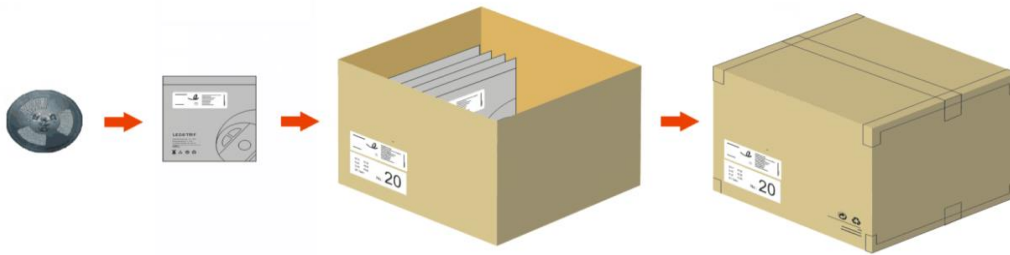
DS560NO-0RGBNDI020WL0500

▼ Packing

SEL brand package



General customized package



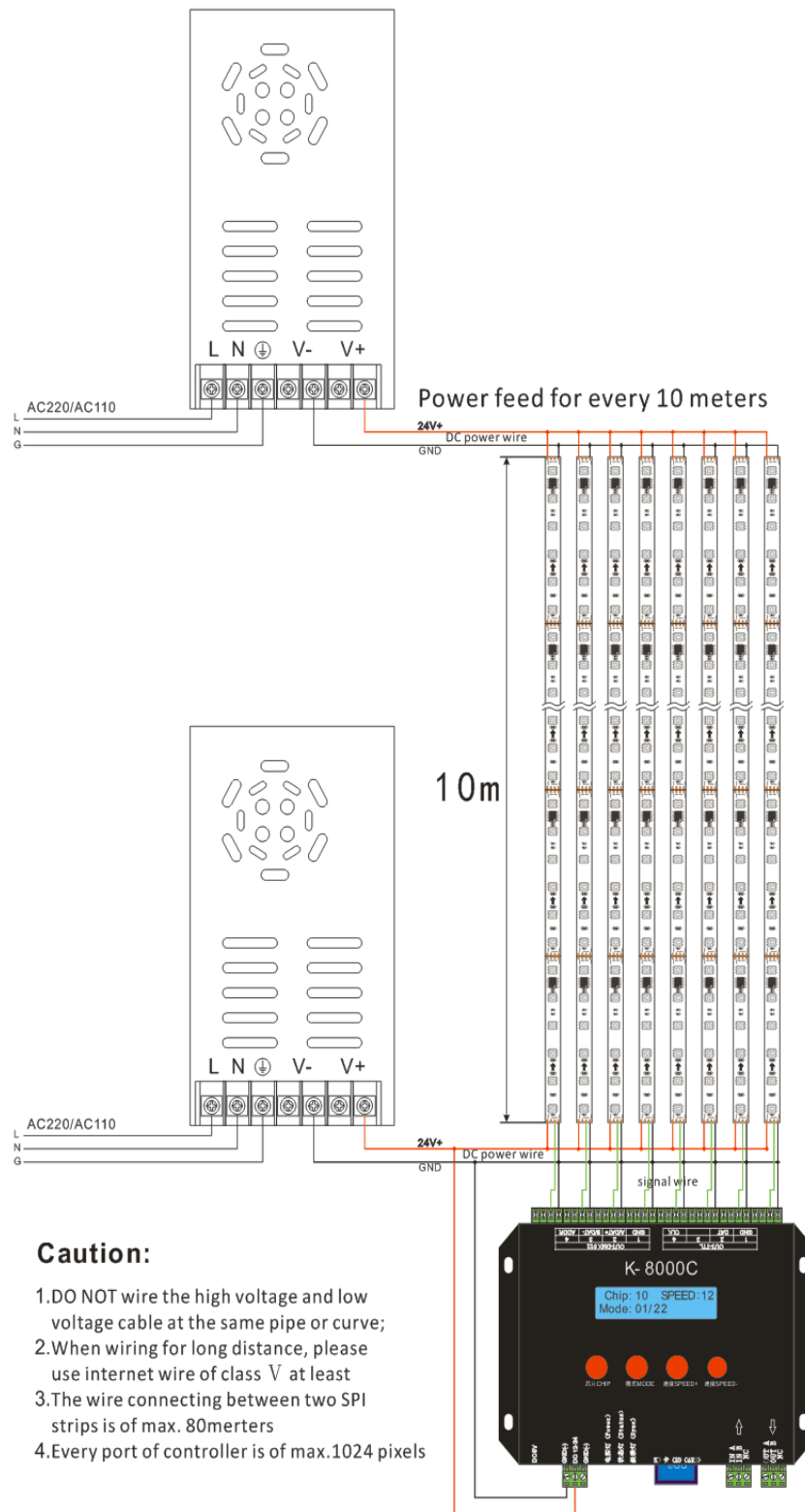
IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (mm)
NO	5000*10*1.6	5	250	0.125	6.25	7.19	410*410*260
NA	5000*10*1.6	5	250	0.131	6.55	7.53	410*410*260

Remark: data with 10% tolerance

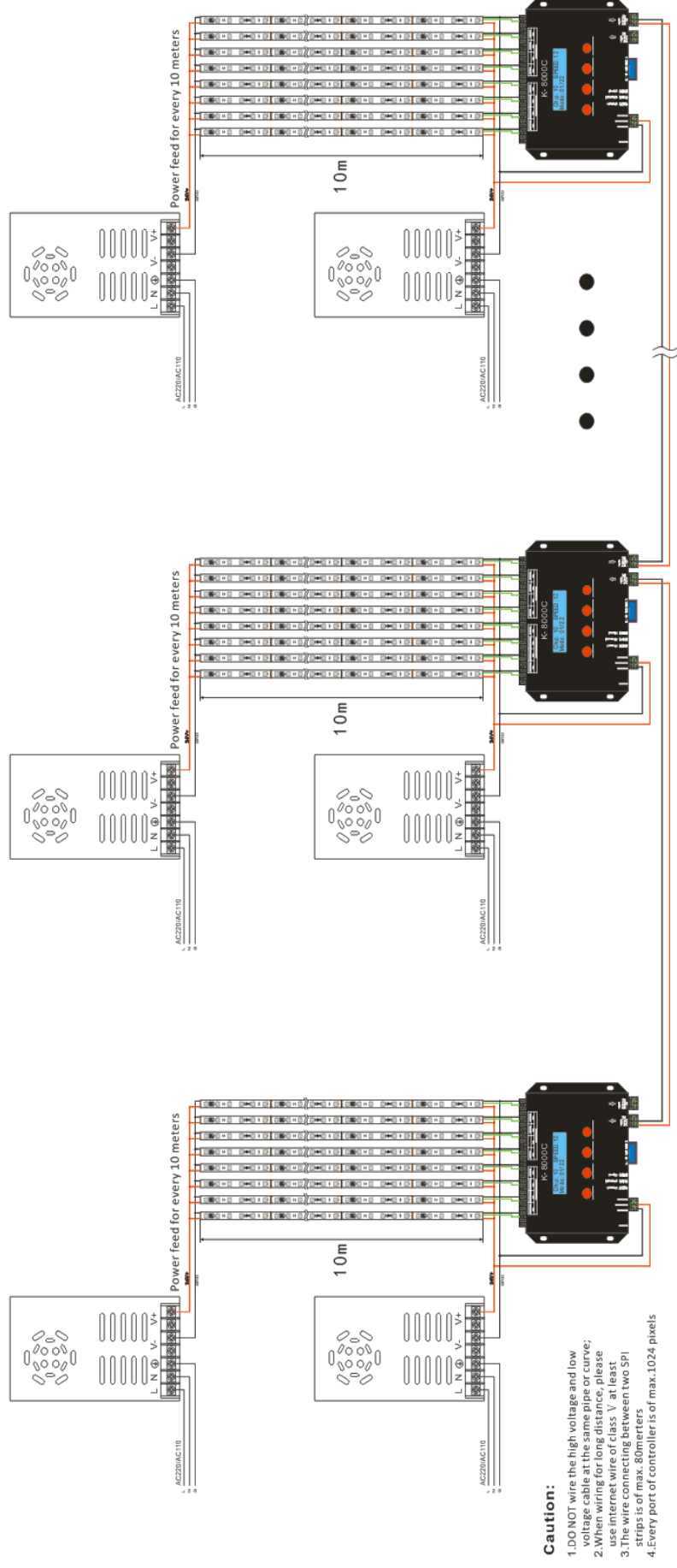
▼ Precautions

- ※ 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



Connecting diagram for SPI RGB/W strip