

# Specification

D560RGB-24V-10mm



## ▼General description

- RGB colorful strip
- Widely adaptable to all types of controllers, Self-encapsulated design
- High quality FPC, high thermal 3M adhesive
- Ta: -25~40°C; Tc: 75°C (max)



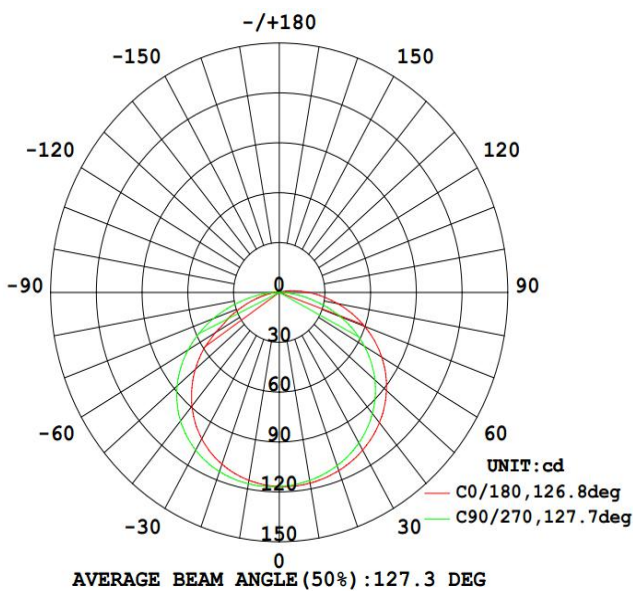
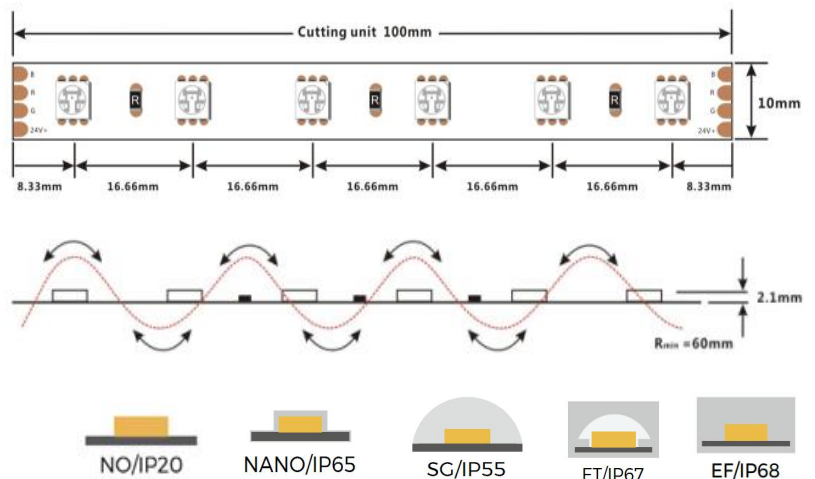
## ▼Dimension

- ※Max.length: 5000mm
- Cutting unit: 6leds/100mm
- LED pitch: 16.66mm
- Min. bend diameter: Φ60mm

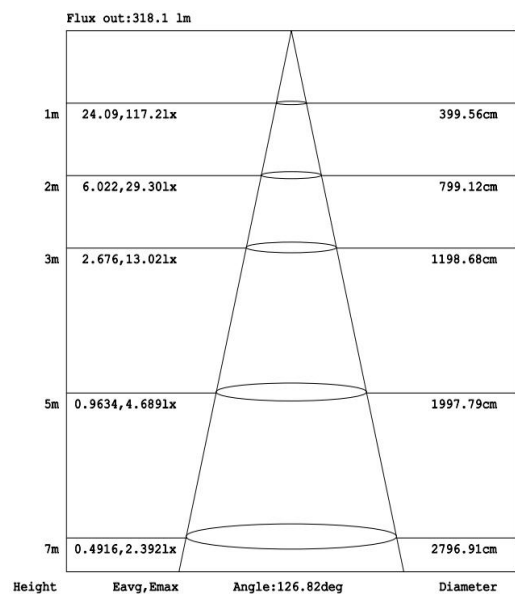
Mounting: 3M tape

IP: IP20/IP55/IP65/IP67/IP68

※Warranty: 5years



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: DC24V

Rated current: 0.52A(1m) /2.22A(5m)

Typical Powe: 12.5W(1m) /53.3W(5m)

CRI: >0

Max.power: 14.4 W

On-off times: 10000 (test times)

Power range: 11.5-14.4W

Copper foil: 2oz

CRI	Color	Wavelength	Lumen(lm)	lm/W	Energy efficiency class
0	Red	625	108	/	/
0	Green	525	279	/	/
0	Blue	470	55	/	/
0	RGB	/	416	/	/


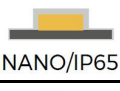
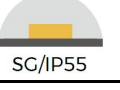


1.The tolerance of output data can be vary up to 15%

2.the output data tested according to IES TM-30-15

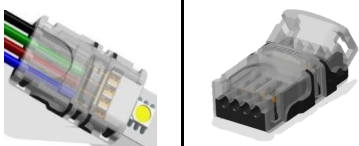
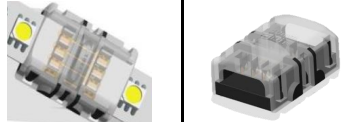
3.the output data is based on IP20/1merter, data of 5m in only for reference

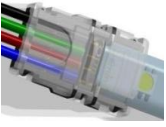










4.IP protection process leads changes to size, CCT and luminous flux

## ▼IP Process

IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	10mm*2.1mm	RGB	100%
NA		Nano-proof	10mm*2.1mm	RGB	98%
SG		Gel coating	10mm*2.8mm	RGB	90%
ET		Extrusion tube	12mm*4.8mm	RGB	88%
EF		Extrusion filling	12mm*5mm	RGB	86%

## ▼Accessories Information

Name	Picture	Code	description
Connector for wire and FPC		94-42-621040001	10mm width, 4PIN connector of wire and FPC,suitable for RGB strip, NO/NA, 4PIN wire 18-22AWG
Connector for FPC and FPC		94-42-621040002	10mm width, 4PIN connector of FPC and FPC,suitable for RGB strip, NO/NA

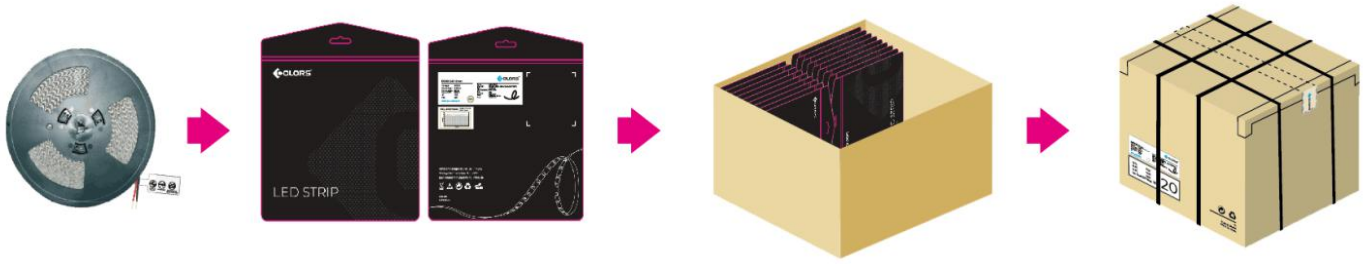
Connector for wire and FPC			94-03-00-0047	10mm width, 4PIN connector of wire and FPC,suitable for RGB gel coating strip, SG, 4PIN wire18-22AWG
Connector for FPC and FPC			94-03-00-0051	10mm width, 4PIN connector of FPC and FPC,suitable for RGB gel coating strip, SG
Fixed Clip			94-02-00-0003	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EH/EF/ET strip
Fixed Clip			94-02-00-0018	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 10mm FPC,NO/NA LED strip
Fixed Clip			94-02-00-0016	Fixed clip, transparent, 3*8mm self-tapping screws,suitable for 10mm FPC,SG LED strip
Silicone end cap set			94-02-00-0022	including end cap and plug,suitable for 10mm FPC,EH/ET/EF silicone extrusion strip
Mounting groove			94-02-00-0025	Transparent PVC mounting groove,suitable for 10mm FPC,silicone extruded EF/ET strip
Stopper glue			94-16-03010001	Silicone gel,suitable for ST/ET/EH/EF/SF waterproof LED strip
RGB set			23-01-00-0046	M3+M4-5A Input voltage: 12-24VDC Maximum loaded current: 6A*3CH Max 18A Maximum loaded power:216W/432W(12V/24V)

### ▼ Order Code Formats

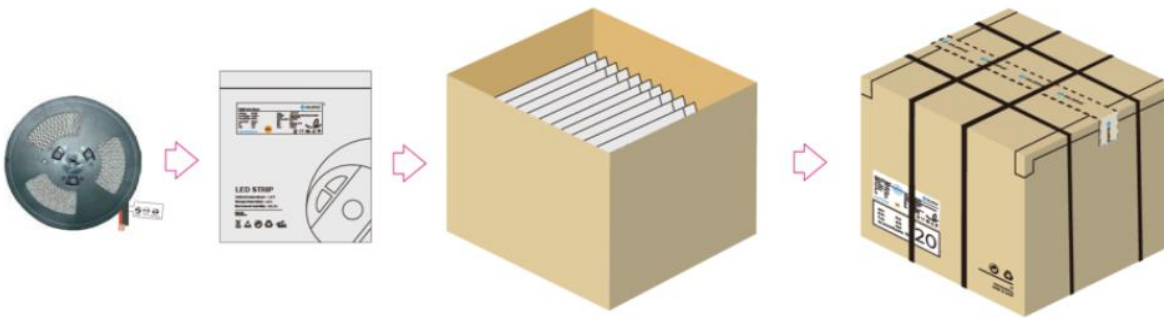
1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	5	5050	60	60 LED	24	24V	10	10mm	NO	NO	0	0	RGB	RGB
										NA	NANO				
										SG	Gel coating				
										ET	Extrusion tube				
										EF	Extrusion filling				
D	-	5		60		24		10		NO		0		RGB	
9: Silk Printing		10: Entery cable		11: Wire type		12: Wire length		13: Tape type		14: Label Type		15: Strip Length			
N	Neutral	S	Single	A	red and black cable	012	12cm	W	White 3M	C	COLORS	0500	5m		
C	COLORS	D	Doubel	B	SM-male wire	020	20cm	Y	Yellow 3M	S	Customized				
S	Customized	X	Nothing	C	SM-female wire	050	50cm	R	Red tape						
				X	Nothing	100	100cm	X	Nothing						
						0	Nothing								
N		S		A		012		W		C		0500			
D5602410NO-ORGBNSA012WC0500															

## ▼ Packing

### Colors brand package



### General customized package

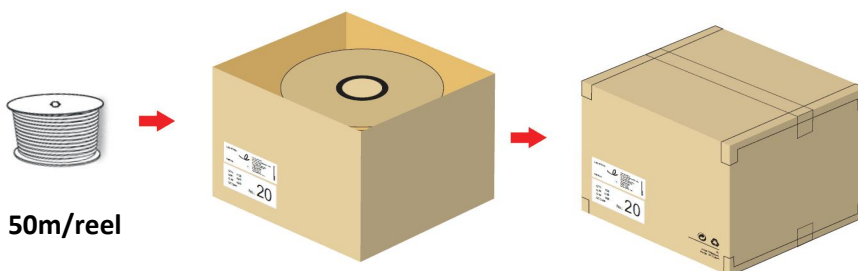


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
NO	5000*10*2.1	5	250	0.15	7.5	8.625	41*41*26
NA	5000*10*2.1	5	250	0.153	7.65	8.798	41*41*26
SG	5000*10*2.8	5	250	0.241	12.05	13.858	41*41*26
ET	5000*12*4.8	5	200	0.5	20	23	41*41*26
EF	5000*12*5	5	200	0.567	22.68	26.082	41*41*26

Remark: data with 10% tolerance

### Engineering packaging of ET(IP67)/EF(IP67)

(free-soldering end caps with 40 cover per box could be ordered separately if needed)



**Engineering packaging of NO(IP20)/NA(IP65).**



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 (cm)
NO	50000*10*2.1	50	500	1.5	15	17.25	41*41*26
NA	50000*10*2.1	50	500	1.53	15.3	17.595	41*41*26
ET	50000*12*4.8	50	100	5.1	10.2	11.73	25.5*25.5*26
EF	50000*12*5	50	100	5.72	11.44	13.156	25.5*25.5*26

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: -25°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).