

# Specification

DA120RGB-24V-8mm



## ▼ General description

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



## ▼ Dimension

※Max.length: 5000mm

Cutting unit: 6leds/50mm

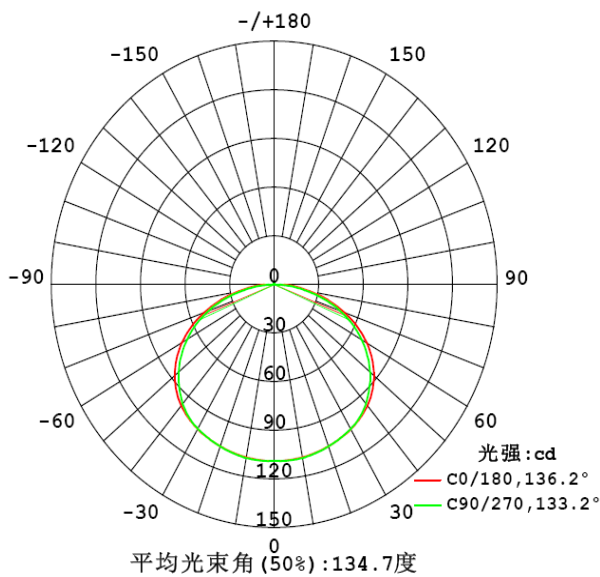
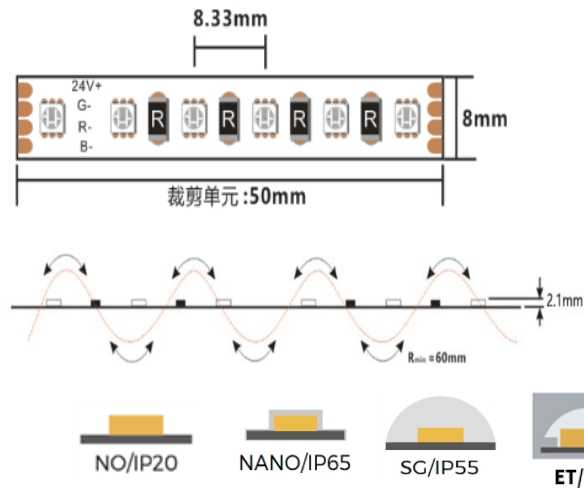
LED pitch: 8.33mm

Min. bend diameter:  $\Phi 60\text{mm}$

Mounting: 3M tape

IP: IP20/IP55/IP65

※Warranty: 3years



Photometric of 1M strip

高度	Eavg, Emax	光束角: 131.29度	直径
1m	20.86, 109.11x		441.80cm
2m	5.215, 27.281x		883.60cm
3m	2.318, 12.131x		1325.40cm
4m	1.304, 6.8211x		1767.19cm
5m	0.8343, 4.3651x		2208.99cm
6m	0.5794, 3.0311x		2650.79cm
7m	0.4257, 2.2271x		3092.59cm
8m	0.3259, 1.7051x		3534.39cm
9m	0.2575, 1.3471x		3976.19cm
10m	0.2086, 1.0911x		4417.99cm

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: 0.42A(1m) /1.9A(5m)
Typical Powe: 10W(1m) /45.6W(5m)	CRI: >0
Max.power: 11 W	On-off times: 10000 (test times)
Power range: 9.1-11W	Copper foil: 2oz





CRI	Color	Wavelength	Lumen(lm)	lm/W	Energy efficiency class
0	Red	625	81	21	/
0	Green	525	287	88	/
0	Blue	470	65	21	/
0	RGB	/	430	43	/




- 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	8mm*2.1mm	RGB	100%
NA		Nano-proof	8mm*2.1mm	RGB	98%
SG		Gel coating	8mm*2.8mm	RGB	90%
ET		Extrusion tube	10mm*4.8mm	RGB	88%

## ▼ Accessories Information

Name	Picture	Code	description
Fixed Clip		94-02-00-0002	Silicone clip, screw: PA 3*8mm, suitable for 8mm FPC,EH/EF/ET strip
Fixed Clip		94-02-00-0017	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 8mm FPC,NO/NA LED strip
Fixed Clip		94-02-00-0015	Fixed clip, transparent, 3*8mm self-tapping screws,suitable for 8mm FPC,SG LED strip
Silicone end cap set		94-02-00-0021	including end cap and plug,suitable for 8mm FPC,EH/ET/EF silicone extrusion strip

Mounting groove		94-02-00-0024	Transparent PVC mounting groove,suitable for 8mm 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

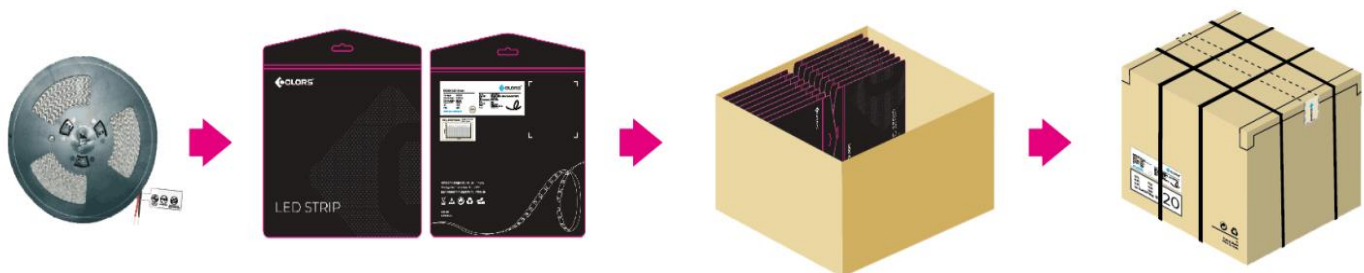
1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	A	3838	120	120 LED	24	24V	08	8mm	NO	NO	0	0	RGB	RGB
										NA	NANO				
										SG	Gel coating				
										ET	Extrusion tube				
D	-	A		120		24		08		NO		0		RGB	

9: Silk Printing		10: Entry cable		11: Wire type		12: Wire length		13: Tape type		14: Label Type		15: Strip Length	
N	Neutral	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	

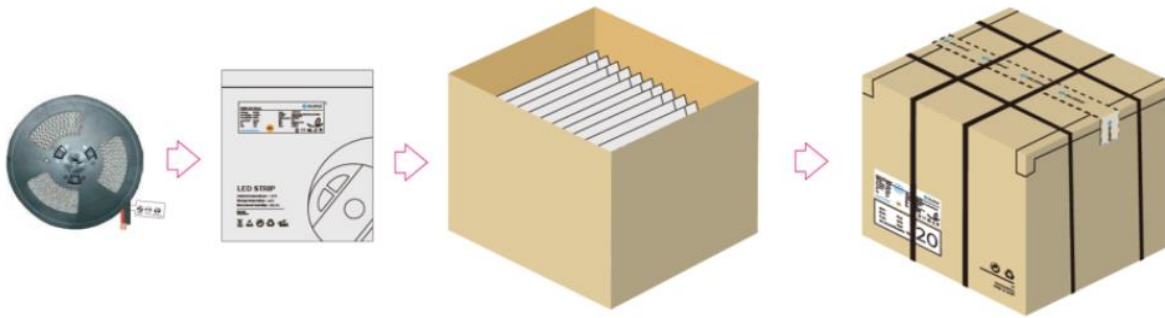
DA1202408NO-ORGBNSA012WC0500

### ▼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*8*2.1	5	300	0.12	7.2	8.28	41*41*26
NA	5000*8*2.1	5	300	0.122	7.32	8.418	41*41*26
SG	5000*8*2.8	5	300	0.208	12.48	14.352	41*41*26
ET	5000*10*4.8	5	200	0.445	17.8	20.47	41*41*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).