

Specification

DM560RGB-24V-10mm



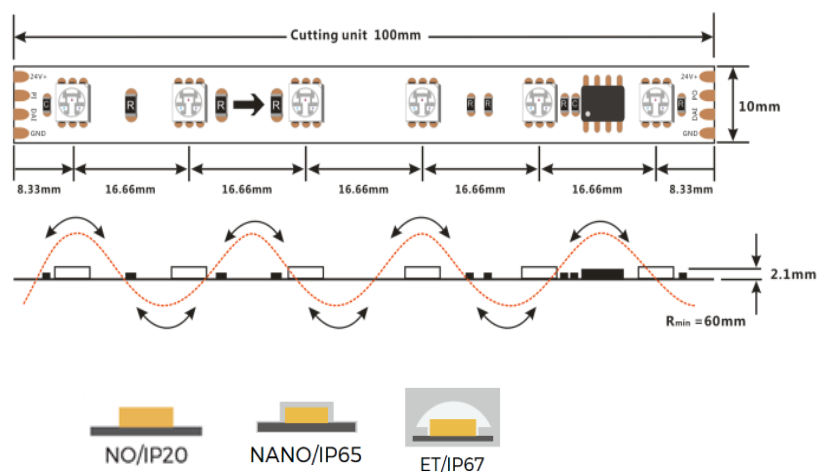
▼ General description

- DMX512 RGB strip, with good anti-interference capacity.
- Same brightness from head end to tail end, no color change, Can be programming for various mode
- 10 pixels per meter, 256 grey scale
- Ta: -25~40°C; Tc: 75°C (max)

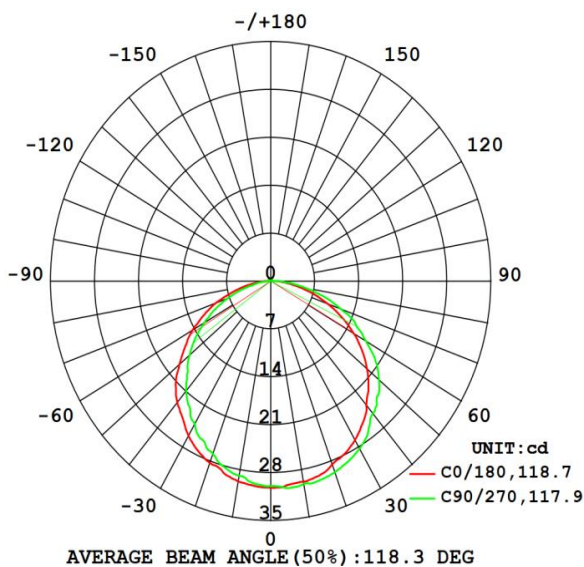


▼ Dimension

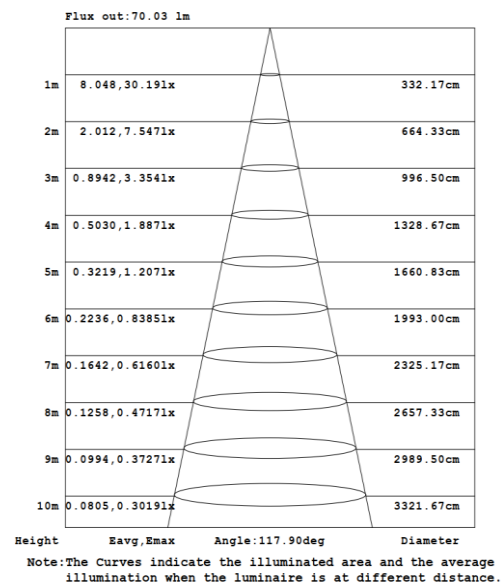
- ※ Max.length: 5000mm
- Cutting unit: 6leds/100mm
- LED pitch: 16.66mm
- Min. bend diameter: Φ60mm
- Mounting: 3M tape
- IP: IP20/IP65/IP67
- ※ Warranty: 3years



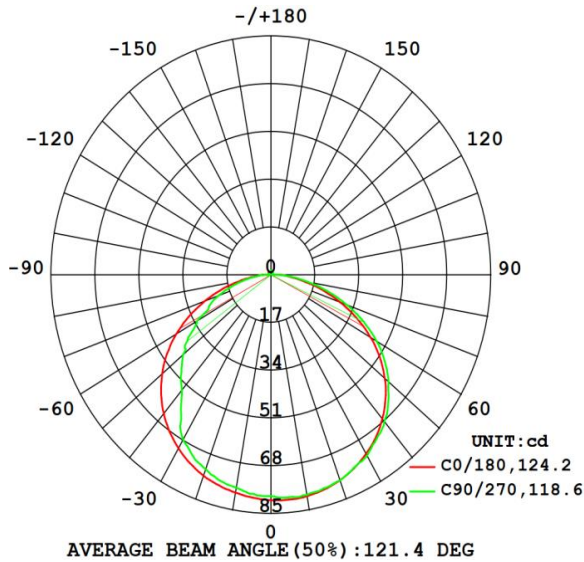
- ※ Max.length data is based on 10% voltage drop
- ※ Warranty is based on indoor use



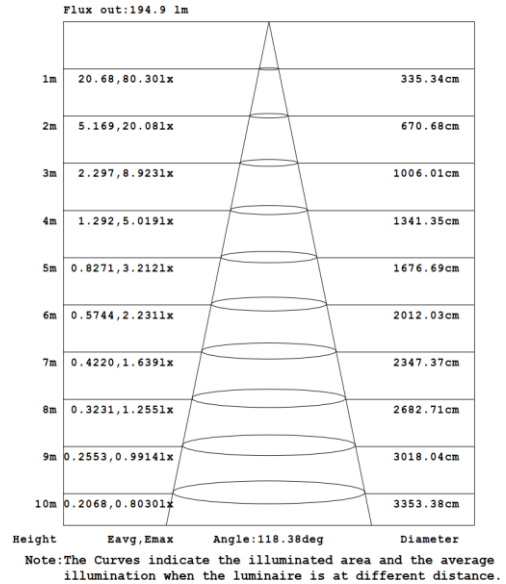
Photometric of 1M strip (R)



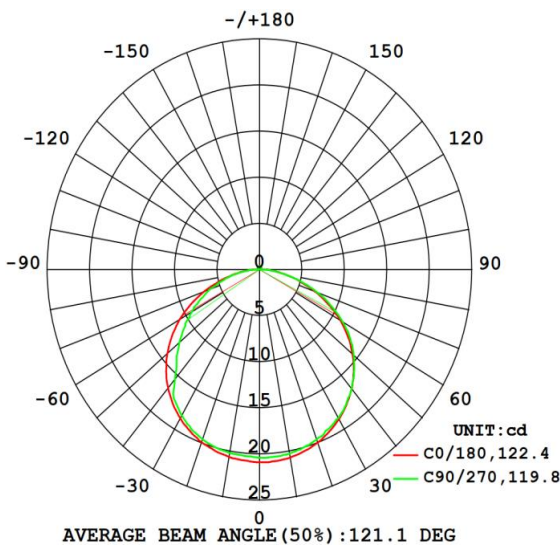
AAI Figure (R)



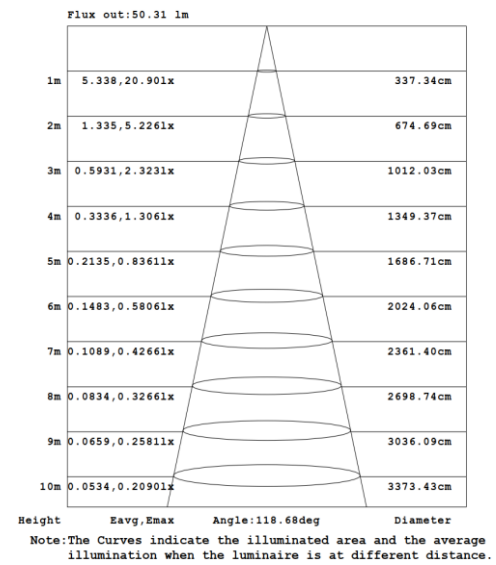
Photometric of 1M strip (G)



AAI Figure (G)



Photometric of 1M strip (B)



AAI Figure (B)




▼ Electronic & output data

Input voltage: DC24V	Rated current: 0.54A(1m) /2.73A(5m)
Typical Powe: 13W(1m) /65.5W(5m)	ignal frequency: 250kbps~750kbps
Max.power: 14 W	On-off times: 10000 (test times)
Power range: 11~14W	Copper foil: 3oz

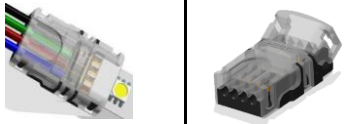
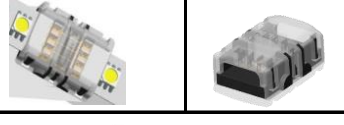






CRI	Color	Wavelength	Lumen(lm)	lm/W	Energy efficiency class
0	Red	620.9	88	/	/
0	Green	527.8	237	/	/
0	Blue	466.3	66	/	/




- 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%
ET		Extrusion tube	12mm*4.8mm	RGB	88%

▼ 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
"T" connector		94-44-00-0117	"T" connector model; male cable+female cable,Power wire 2pin,18AWG,L=150mm
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
Silicone end cap set		94-02-00-0022	Silicone end cap set, 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

Program-controlled digital controller		23-01-00-0048	K-1000C Power supply: direct current 5V-24V input Power consumption: 2W Data transferring port :1 (1*1024 pixel) Storage type: SD card
Program-controlled digital controller		23-01-00-0049	K-4000C Power supply: direct current 5V-24V input Power consumption: 5W Data transferring port : 4 (4*1024 pixel) Storage type: SD card
Program-controlled digital controller		23-01-00-0050	K-8000C Power supply: direct current 5V-24V input Power consumption: 5W Data transferring port :8 (8*1024 pixel) Storage type: SD card

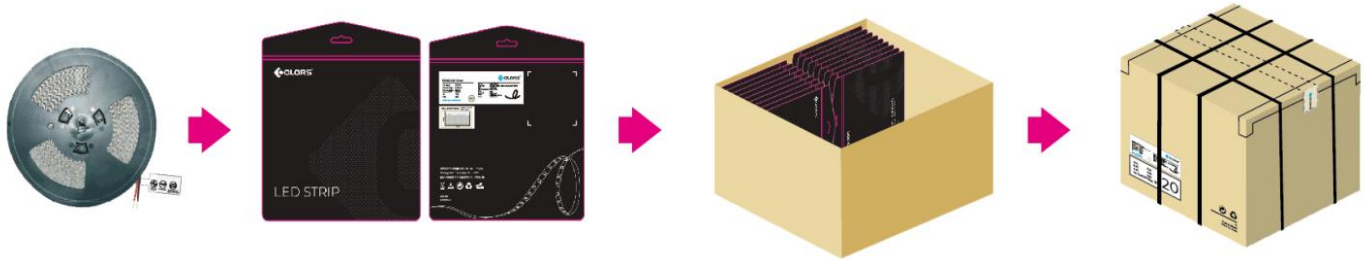
▼Order Code Formats

1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
DM	-	5	5050	60	60 LED	24	24V	10	10mm	NO	NO	0	0	RGB	RGB
										NA	NANO				
										ET	Extrusion tube				
DM	-	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			

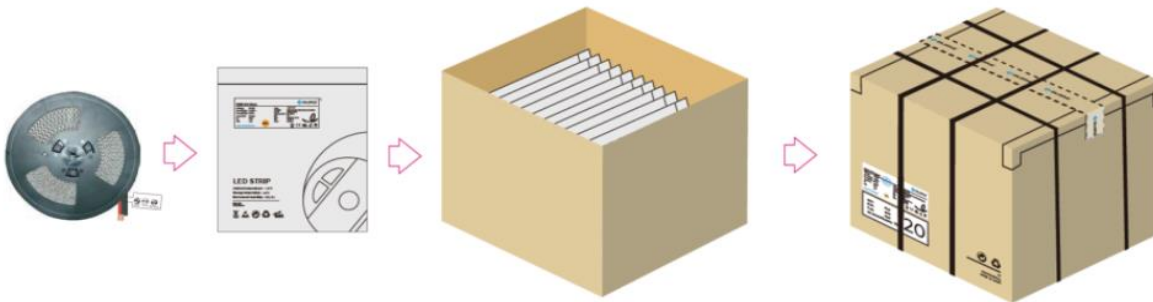
DM5602410NO-0RGBNSA012WC0500

▼ Packing

Colors brand package

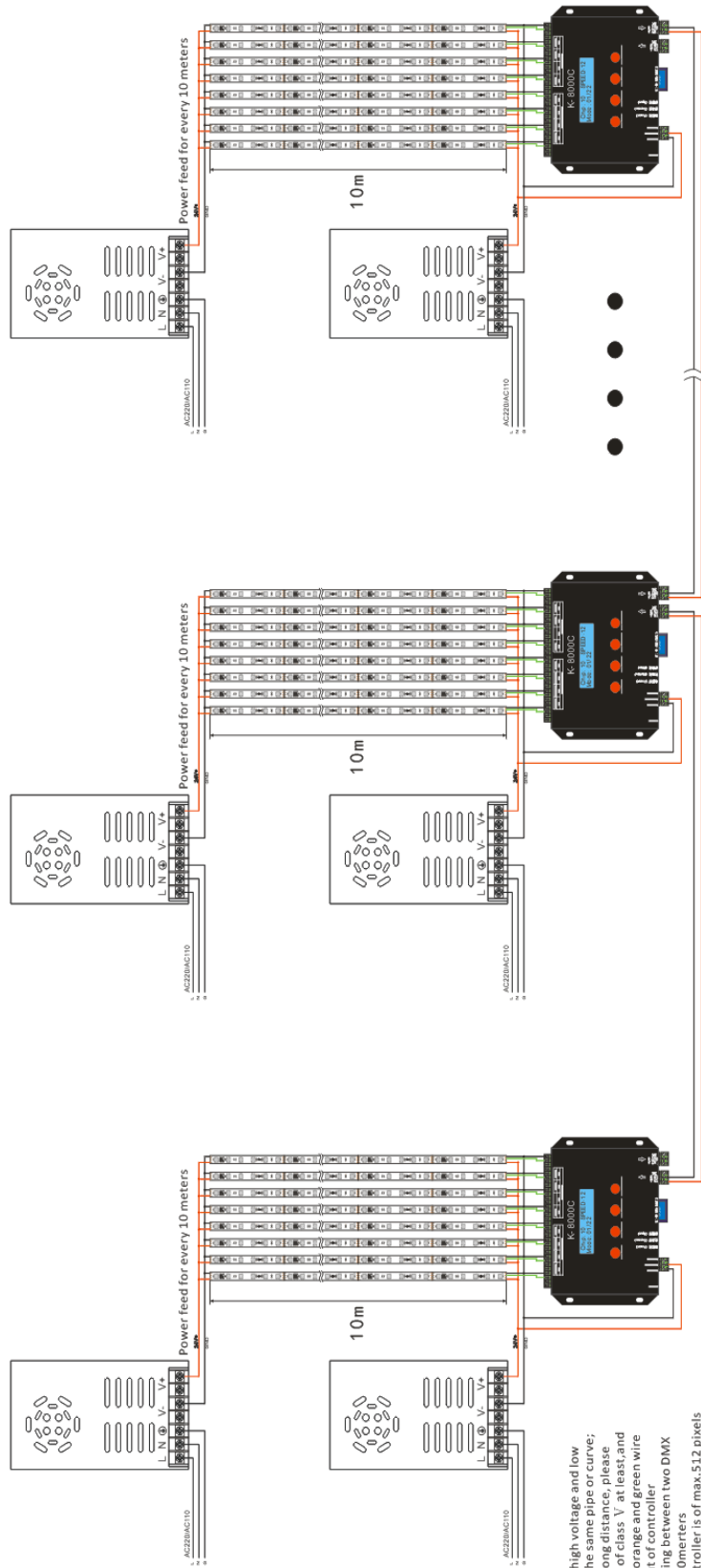


General customized package



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	0.169	8.45	9.718	41*41*26
NA	5000*10*2.1	5	250	0.172	8.6	9.89	41*41*26
ET	5000*10*4.8	5	200	0.505	20.2	23.23	41*41*26

Remark: data with 10% tolerance



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, and better to use the orange and green wire for the A & B input of controller
3. The wire connecting between two DMX strips is of max. 80meters
4. Every port of controller is of max. 51.2 pixels

Connecting diagram for DMX512 RGB/W strip

▼ 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).