

Specification

D560RGBW-24V-12mm



▼General description

- RGBW 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

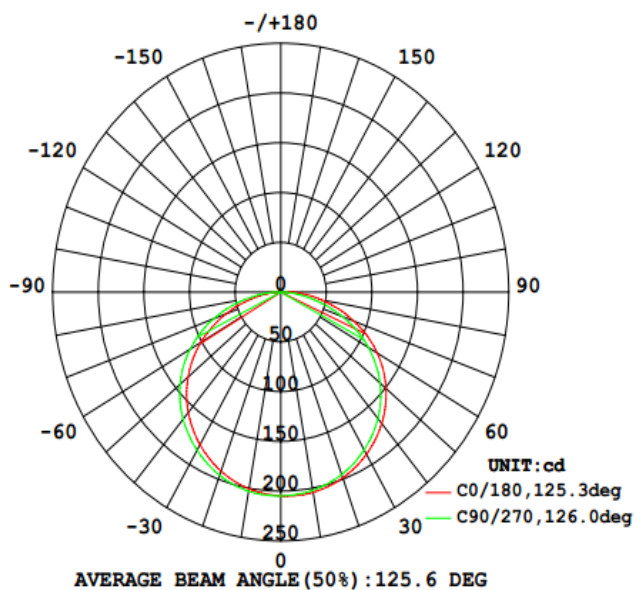
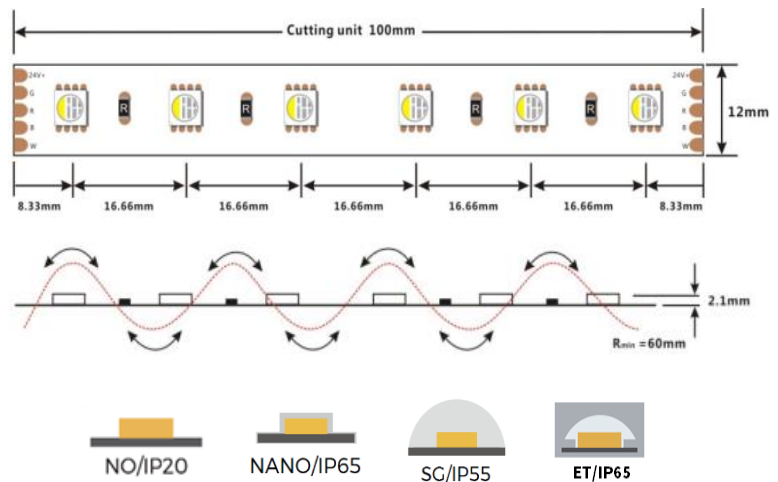
LED pitch: 16.66mm

Min. bend diameter: Φ60mm

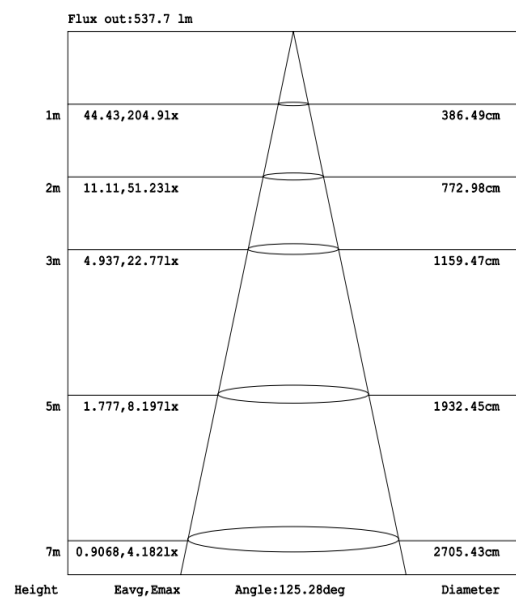
Mounting: 3M tape

IP: IP20/IP65/IP55

※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: 0.7A(1m) /2.91A(5m)

Typical Powe: 16.8W(1m) /69.84W(5m)

CRI: >0

Max.power: 19.2W

On-off times: 10000 (test times)

Power range: 15.4~18.2W

Copper foil: 2oz

CRI	Color	Wavelength	Lumen(lm)	lm/W	Energy efficiency class
/	W	6000K	344	/	/
0	Red	625	87	/	/
0	Green	525	207	/	/
0	Blue	470	67	/	/
0	RGBW	/	703	/	/

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

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

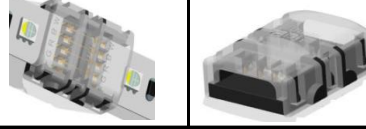
3.the output data is based on IP20/1merter, data of 5m in only for reference

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	12mm*2.1mm	RGBW	100%
NA		Nano-proof	12mm*2.1mm	RGBW	98%
SG		Gel coating	12mm*2.8mm	RGBW	90%
ET		Extrusion tube	14mm*4.8mm	RGBW	88%

▼Accessories Information

Name	Picture	Code	description
Connector for wire and FPC		94-03-00-0039	12mm width, 5PIN connector of wire and FPC,suitable for RGBW strip, NO/NA, 5PIN wire 18-22AWG
Connector for FPC and FPC		94-03-00-0043	12mm width, 5PIN connector of FPC and FPC, suitable for RGBW strip, NO/NA

Fixed Clip		94-02-00-0019	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 12mm FPC,NO/NA LED strip
Silicone clip		94-02-00-0004	Silicone clip, screw: PA 3*8mm, suitable for 12mmFPC, ET strip
Silicone end cap set		94-02-00-0023	including end cap and plug,suitable for 12mm FPC,EH/ET/EF silicone extrusion strip
Mounting clip		94-02-00-0026	Transparent PVC mounting groove size:1000*16.2*9.5mm,suitable for 12mm FPC silicone extruded ET/EF strip
Stopper glue		94-16-03010001	Silicone gel,suitable for ST/ET/EH/EF/SF waterproof LED strip
RGBW set		23-01-00-0047	M4+M4-5A Input voltage: 12-24VDC Maximum loaded current: 5A*4CH Max 20A Maximum loaded power : 240W/480W (12V/24V)

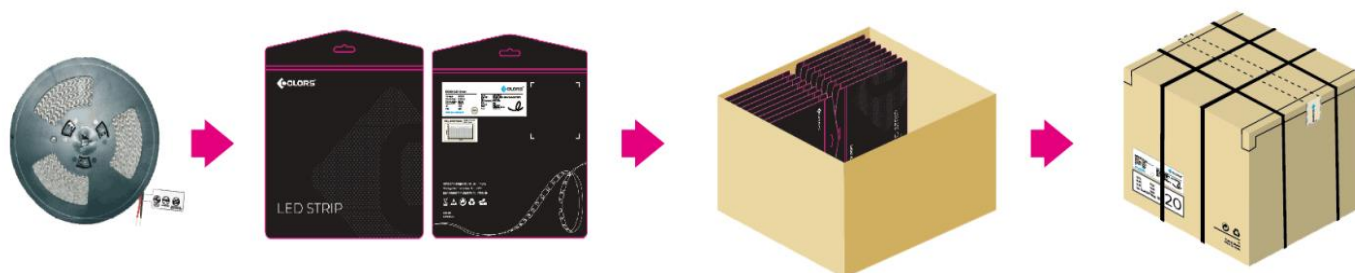
▼ Order Code Formats

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	12	12mm	NO	NO	0	0	RGBW	RGBW		
										NA	NANO						
										SG	Gel coating						
										ET	Extrusion tube						
D	-	5		60		24		12		NO		0		RGBW			
9: Silk Printing		10: Entery cable		11: Wire type		2: Wire lengtl		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					

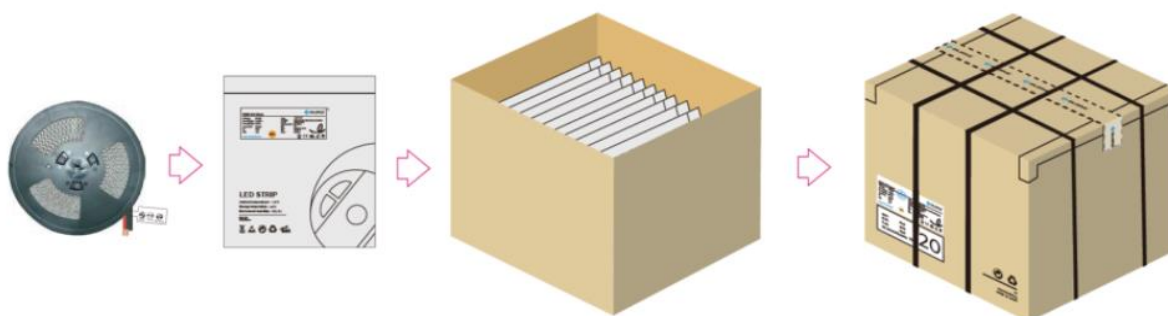
D5602412NO-0RGBWNSA012WC0500

▼ Packing

Colors brand package



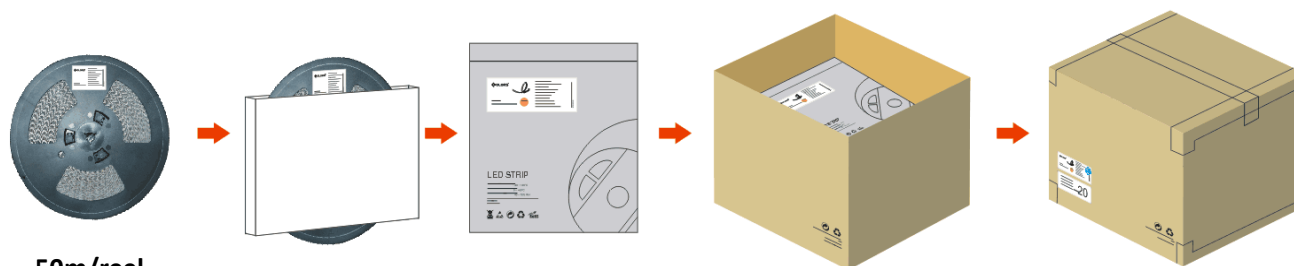
General customized package



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*12*2.1	5	250	0.147	7.35	8.453	41*41*26
NA	5000*12*2.1	5	250	0.15	7.5	8.625	41*41*26
SG	5000*12*2.1	5	250	0.248	12.4	14.26	41*41*26
ET	5000*14*4.8	5	150	0.587	17.61	20.252	41*41*26

Remark: data with 10% tolerance

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



50m/reel

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*12*2.1	50	500	1.47	14.7	16.905	41*41*26
NA	50000*12*2.1	50	500	1.5	15	17.25	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).