

Specification

D8120-24V-5mm



▼General description

- Super slim width with board width only 5mm,High quality FPC, high thermal 3M adhesive
- Self-encapsulated design offers 8 optional 1900-6000K white lights
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C (max)



▼Dimension

Max.length: 5000mm

Cutting unit: 6leds/50mm(1.97")

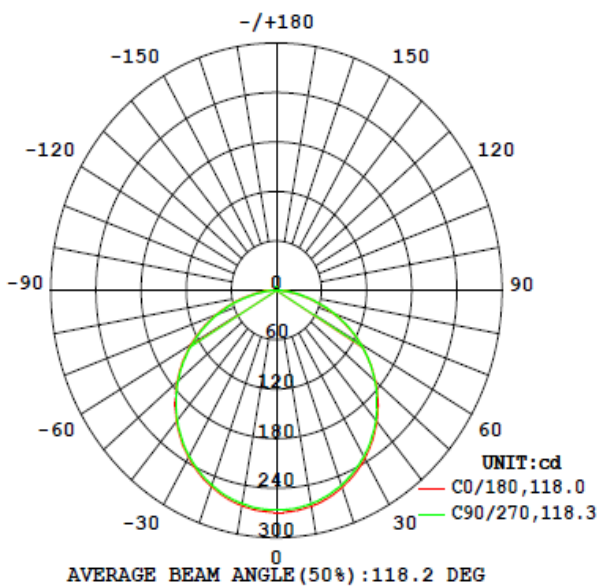
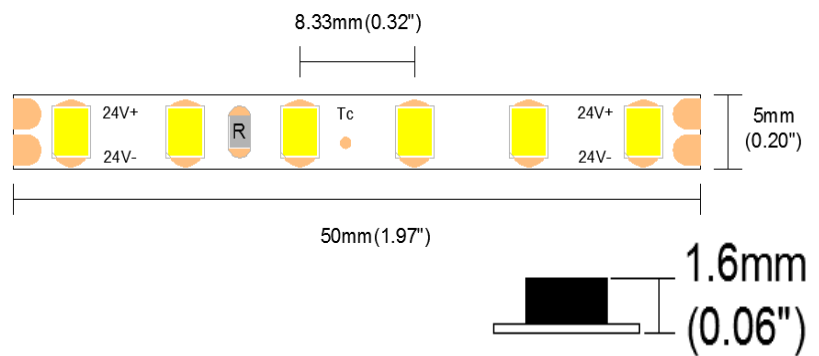
LED pitch: 8.33mm(0.32")

Min. bend diameter: Φ60mm

Mounting: 3M tape

IP: IP20/IP65

※Warranty: 5years



Photometric of 1M strip

Height	Eavg, Emax	Angle: 117.70deg	Diameter
1m	71.11, 269.01lx		330.86cm
2m	17.78, 67.25lx		661.72cm
3m	7.902, 29.89lx		992.58cm
4m	4.445, 16.81lx		1323.43cm
5m	2.845, 10.76lx		1654.29cm
6m	1.975, 7.47lx		1985.15cm
7m	1.451, 5.48lx		2316.01cm
8m	1.111, 4.20lx		2646.87cm
9m	0.8780, 3.32lx		2977.73cm
10m	0.7111, 2.69lx		3308.58cm

AAI Figure

※Warranty is based on indoor use

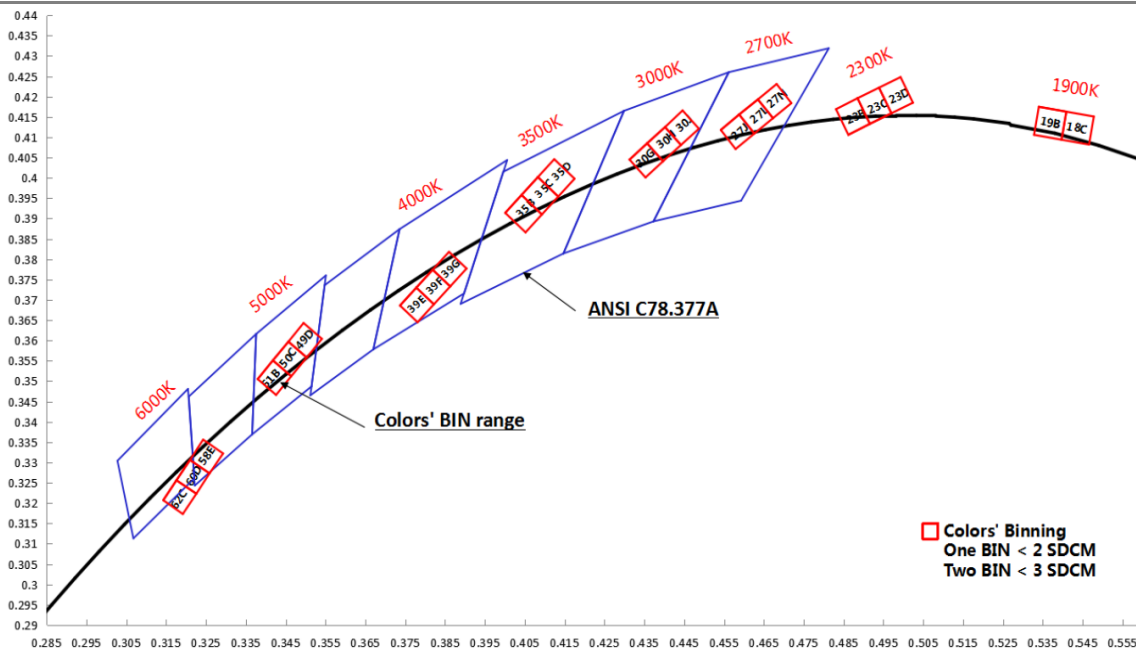
▼ Electronic & output data

Input voltage: DC24V	Rated current: 0.35A(1m) /1.4A(5m)
Typical Power: 8.4W(1m) /33.6W(5m)	CRI: 90
Max.power: 9.6W(1m)	On-off times: 10000 (test times)
Power range: 7.6 ~ 9.6W(1m)	Copper foil: 3oz

CRI	Color	CCT(K)	Lumen(lm)	lm/W	Energy efficiency class
Ra>90	GW	1900K	610	73	G
Ra>90	LW	2300K	675	80	G
Ra>90	SW	2700K	730	87	G
Ra>90	WW	3000K	770	92	G
Ra>90	PW	3500K	780	93	F
Ra>90	NW	4000K	800	95	F
Ra>90	DW	5000K	800	95	F
Ra>90	W	6000K	770	92	G
0	G	525nm	755	90	/
0	B	470nm	170	20	/

- 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

▼ BIN



▼ IP Process

IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	5mm*1.6mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	100%
NA		Nano-proof	5mm*1.7mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	98%

▼ Order Code Formats

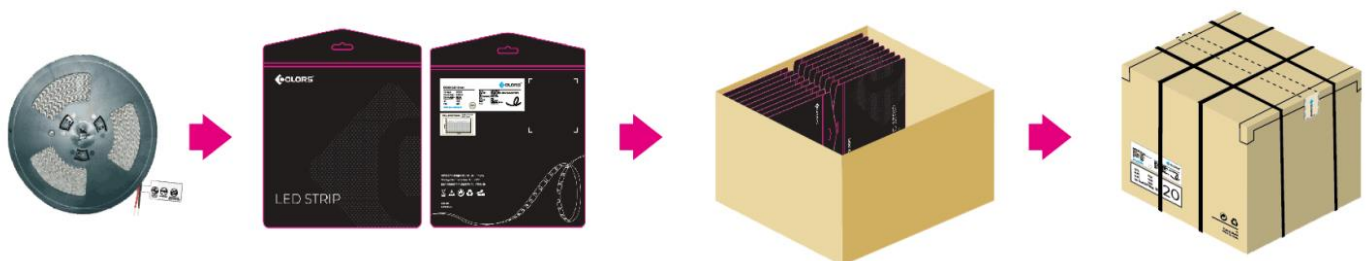
1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	8	2835	120	120 LED	24	24V	05	5mm	NO	NO	9	> 90	GW	1900K
										NA	NANO			LW	2300K
														SW	2700K
														WW	3000K
														PW	3500K
														NW	4000K
														DW	5000K
														W	6000K
														G	/
														B	/
D	-	8		120		24		05		NO		9		GW	

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	Double	B	SM-male wire	020	20cm	Y	Yellow 3M	S	Customized	2500	25m
S	Customized	X	Nothing	C	SM-female wire	050	50cm	X	Nothing				
				X	Nothing	100	100cm						
						0	Nothing						
N		S		A		012		W		C		0500	

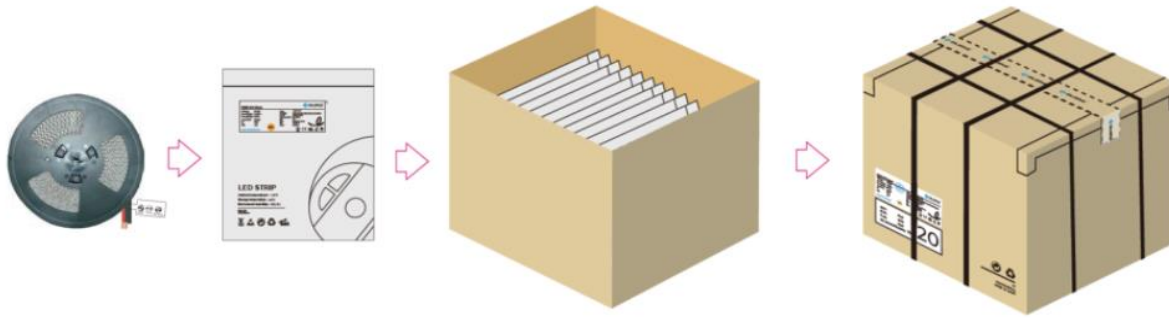
D81202405NO-9SWNSA012WC0500

▼ 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*5*1.6	5	350	0.078	5.46	0.819	41*41*26
NA	5000*5*1.7	5	350	0.082	5.74	0.861	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).