

# Specification

D8120-24V-5mm



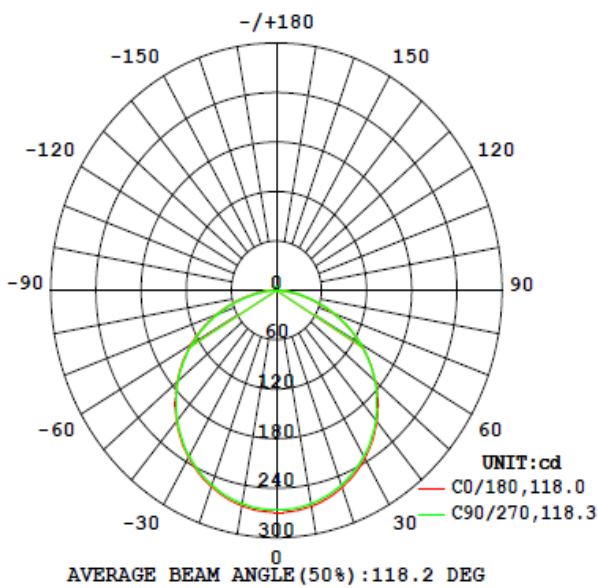
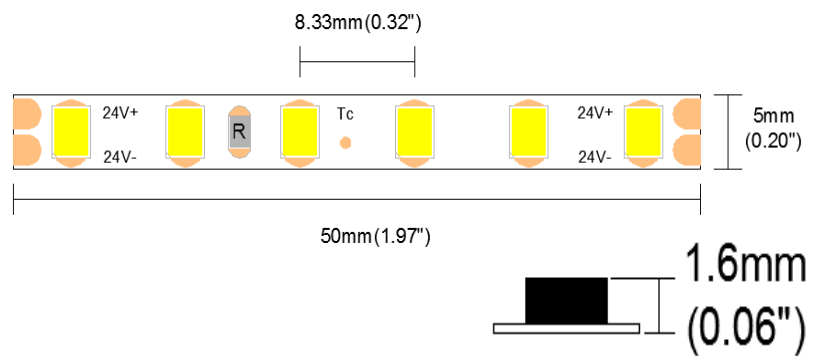
### ▼General description

- 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	17.78,67.251lx		661.72cm
3m	7.902,29.891lx		992.58cm
4m	4.445,16.811lx		1323.43cm
5m	2.845,10.761lx		1654.29cm
6m	1.975,7.4721lx		1985.15cm
7m	1.451,5.4891lx		2316.01cm
8m	1.111,4.2031lx		2646.87cm
9m	0.8780,3.3211lx		2977.73cm
10m	0.7111,2.6901lx		3308.58cm

AAI Figure

※Warranty is based on indoor use

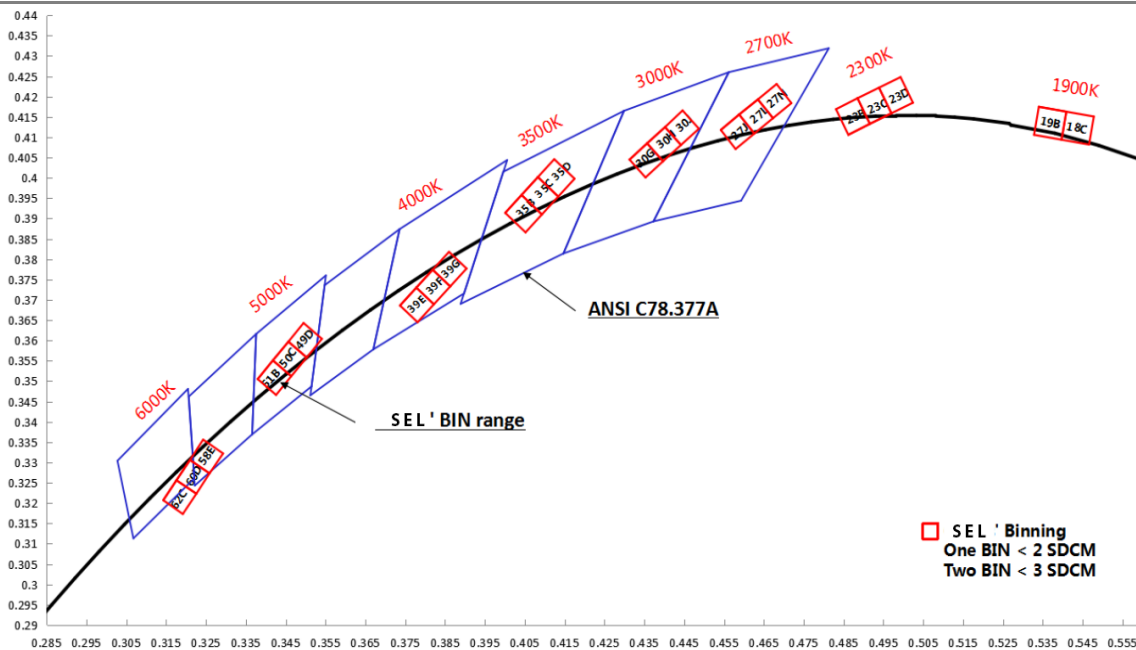
### ▼ Electronic & output data

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/IP20	No proof	5mm*1.6mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	100%
NA	 NANO/IP65	Nano-proof	5mm*1.7mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	98%

### ▼ Order Code Formats

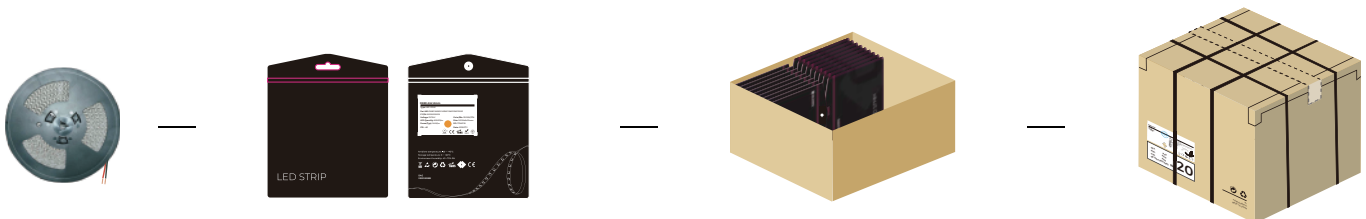
1: Category	2: LED	3: LED/m	4: Voltage	5:FPC Width	6: IP Process	7: CRI	8: CCT
D	-	8 2835	120 120 LED	24 24V	05 5mm	NO NO NA NANO	9 > 90 GW 1900K LW 2300K SW 2700K WW 3000K PW 3500K NW 4000K DW 5000K W 6000K G / B /
D	-	8	120	24	05	NO	9 GW

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	L SEL	0500 5m
L SEL	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	L	0500

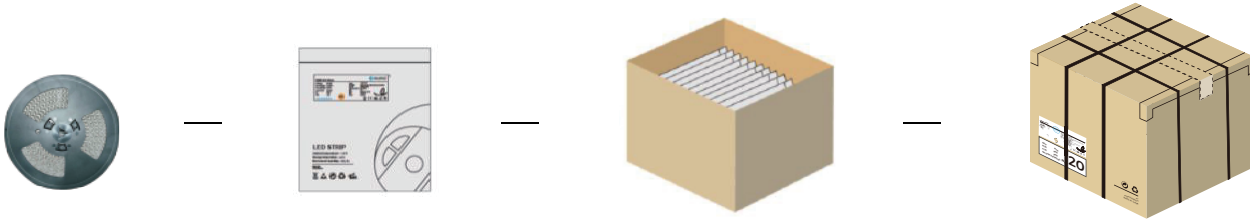
D81202405NO-9SWNSA012WL0500

### ▼ Packing

#### SEL 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).