

# Specification

D8120M-24V-8mm



### ▼General description

- double leds per cut for 24V, easily for customized application
- mini cut unit up to 16.66mm
- parameter matches with traditional ones,better for stock management
- Self-encapsulated design offers 5 optional 2700-6000K white lights



### ▼Dimension

※Max.length: 5000mm

Cutting unit: 2leds/16.66mm

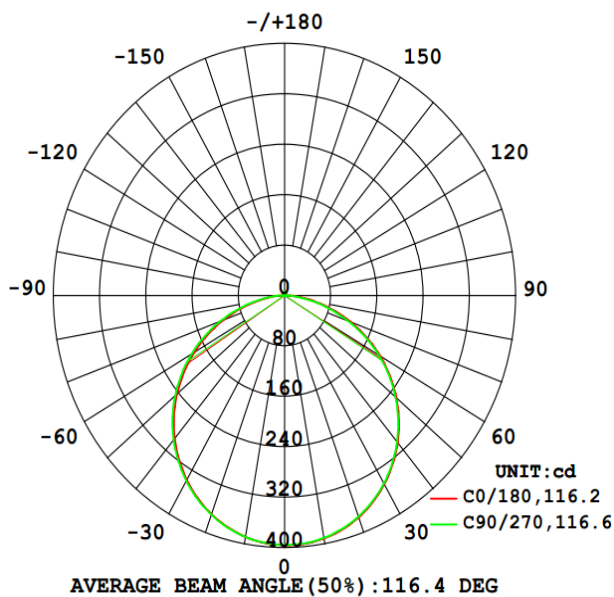
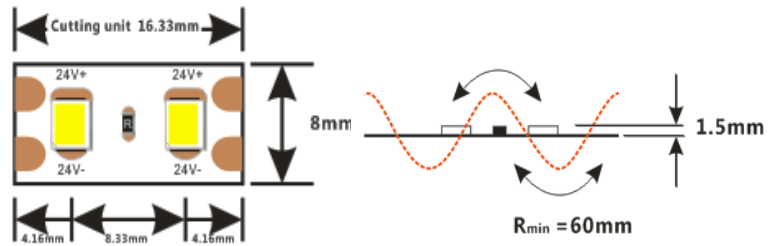
LED pitch: 8.33mm

Min. bend diameter:  $\Phi$ 60mm

Mounting: 3M tape

IP: IP20/IP55/IP65/IP67/IP68

※Warranty: 5years



Photometric of 1M strip

Flux out: 902.7 lm

Height	Eavg, Emax	Angle: 116.20deg	Diameter
1m	103.7, 396.41x		321.31cm
2m	25.94, 99.101x		642.61cm
3m	11.53, 44.041x		963.92cm
4m	6.484, 24.771x		1285.23cm
5m	4.150, 15.861x		1606.53cm
6m	2.882, 11.011x		1927.84cm
7m	2.117, 8.0891x		2249.14cm
8m	1.621, 6.1931x		2570.45cm
9m	1.281, 4.8941x		2891.76cm
10m	1.037, 3.9641x		3213.06cm

AAI Figure

※Max.length data is based on 10% voltage drop

※Warranty is based on indoor use

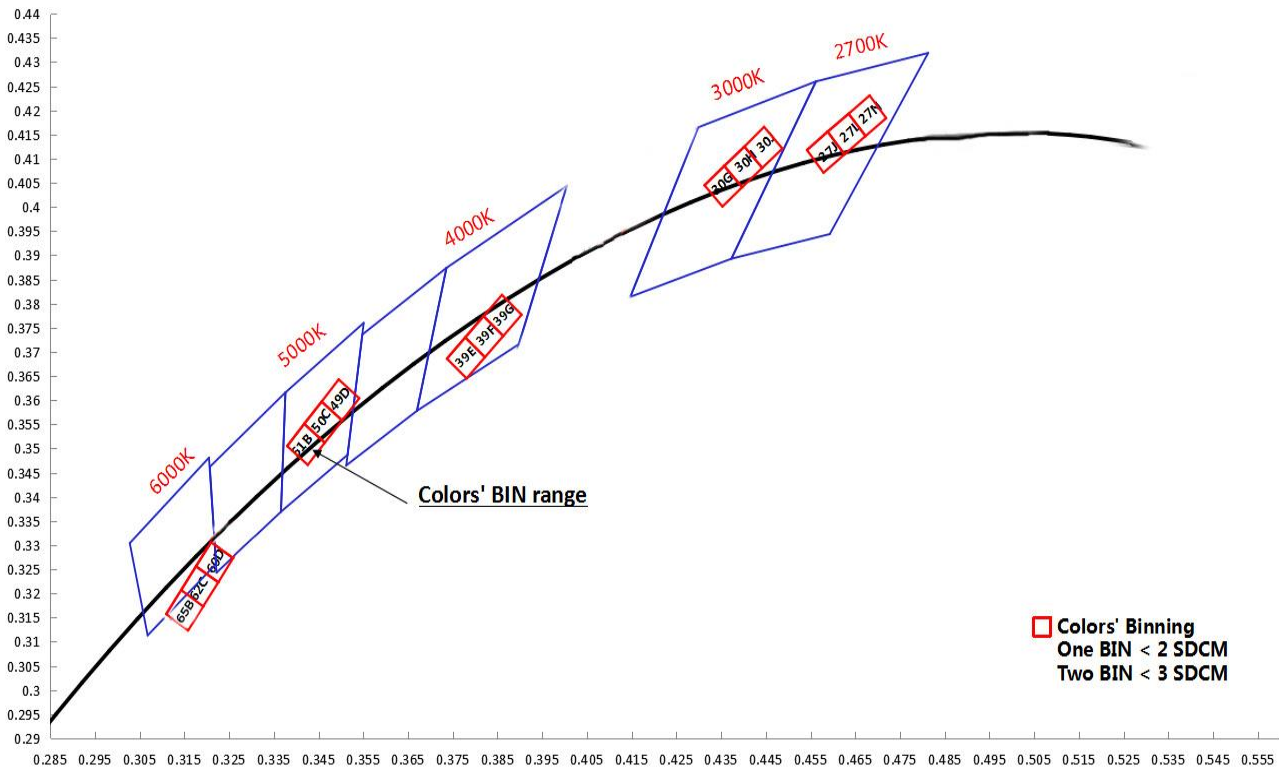
### ▼ Electronic & output data

Input voltage: DC24V	Rated current: 0.563A(1m) /2.67A(5m)
Typical Powe: 13.5W(1m) /64.08W(5m)	CRI: >90
Max.power: 14.4W	On-off times: 10000 (test times)
Power range: 12.5 ~ 14.4W	Copper foil: 3oz


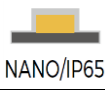

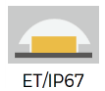

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>90	SW	2700K	1170	87	A
Ra>90	WW	3000K	1240	92	A
Ra>90	NW	4000K	1300	96	A+
Ra>90	DW	5000K	1300	96	A+
Ra>90	W	6000K	1240	92	A

- 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	8mm*1.5mm	2700K/3000K/4000K /5000K/6000K	100%
NA		Nano-proof	8mm*1.5mm	2700K/3000K/4000K /5000K/6000K	98%
SG		Gel coating	8mm*2.7mm	3500K/4000K/6000K /10000K/15000K	90%
ET		Extrusion tube	10mm*4.8mm	2700K/3000K/4000K /5000K/6000K	88%
EF		Extrusion filling	10mm*5mm	3400K/3850K/5800K /8750K/15000K	86%

### ▼ Accessories Information

Name	Picture	Code	description
Connector for wire and FPC		94-42-620800001	8mm width, 2PIN connector of wire and FPC,suitable for white color strip, NO/NA,2PIN wire18- 22AWG
Connector for FPC and FPC		94-42-620800002	8mm width, 2PIN connector of FPC and FPC,suitable for white color strip,NO/NA
Connector for wire and FPC		94-03-00-0044	8mm width, 2PIN connector of wire and FPC,suitable for white color and gel coating strip,SG, 2PIN wire 18- 22AWG
Connector for FPC and FPC		94-03-00-0048	8mm width, 2PIN connector of FPC and FPC,suitable for white color and gel coating strip, SG
Slim connector		94-03-00-0065	TSC-08-2, suitable for 8mm fpc to fpc connection , IP20, 2pin, 10pcs per bag
FPC with wire		94-03-00-0066	wire connection when using together with TSC-08-2,IP20,2PIN, 10PCS per bag
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	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	Silicone end cap set, 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

### ▼Order Code Formats

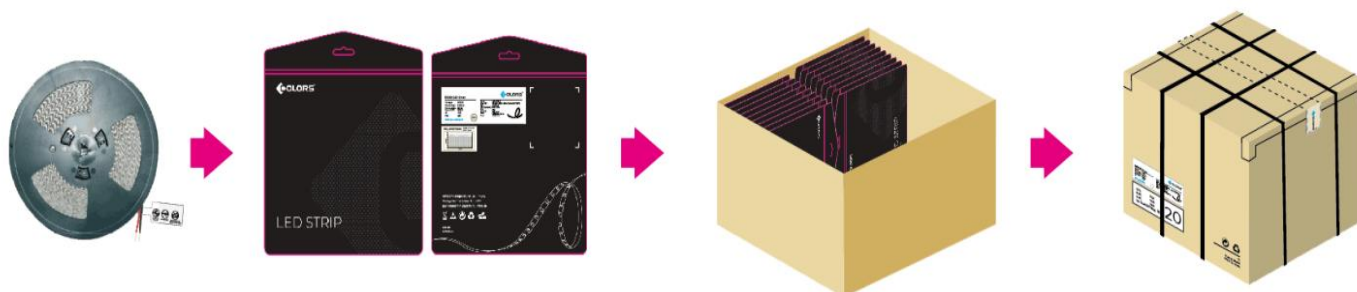
1: Category	2: LED	3: LED/m	4: Voltage	5:FPC Width	6: IP Process	7: CRI	8: CCT
D -	8 2835 120M 120 LED	24 24V	08 8mm	NO NO	9 >90	SW 2700K	
				NA NANO		WW 3000K	
				SG Gel coating		NW 4000K	
				ET Extrusion tube		DW 5000K	
				EF Extrusion filling		W 6000K	
D -	8	120M	24	08	NO	9	SW

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	5000 50m
S Customized	X Nothing	C SM-female wire	050 50cm	R Red tape		4000 40m
		X Nothing	100 100cm	X Nothing		
			0 Nothing			
N	S	A	012	W	C	0500

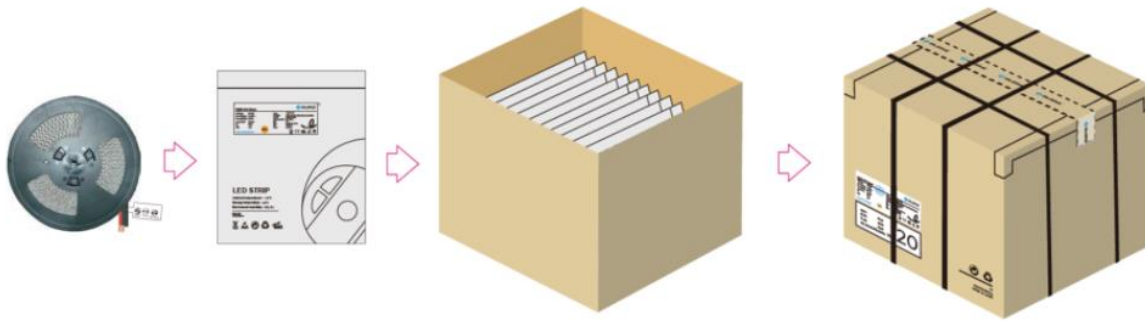
D8120M2408NO-9SWNSA012WC0500

### ▼Packing

#### Colors brand package



### General customized package

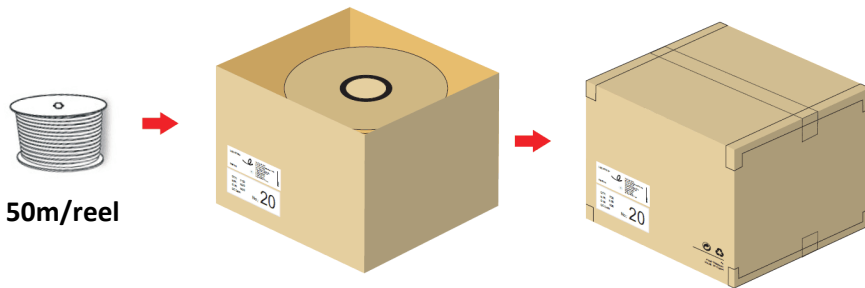


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
NO	5000*8*1.5	5	300	0.135	8.1	9.315	41*41*26
NA	5000*8*1.5	5	300	0.137	8.22	9.453	41*41*26
SG	5000*8*2.7	5	300	0.223	13.38	15.387	41*41*26
ET	5000*10*4.8	5	200	0.46	18.4	21.16	41*41*26
EF	5000*10*5	5	200	0.506	20.24	23.276	41*41*26

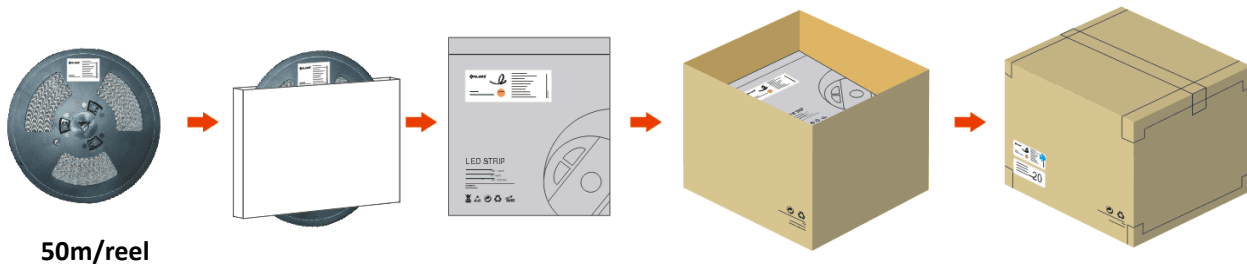
Remark: data with 10% tolerance

### Engineering packaging of ET(IP67)/EF(IP68)

(free-soldering end caps with 40 cover per box could be ordered separately if needed)



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



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*8*1.5	50	650	1.35	17.55	20.182	41*41*26
NA	50000*8*1.5	50	650	1.37	17.81	20.481	41*41*26
ET	50000*10*4.8	50	100	4.7	9.4	10.81	25.5*25.5*26
EF	50000*10*5	50	100	5.16	10.32	11.868	25.5*25.5*26

Remark: data with 10% tolerance

## ▼ Precautions

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- ※ 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).