

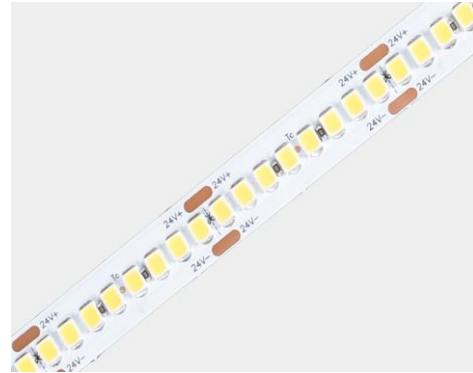
# Specification

D8240-24V-10mm



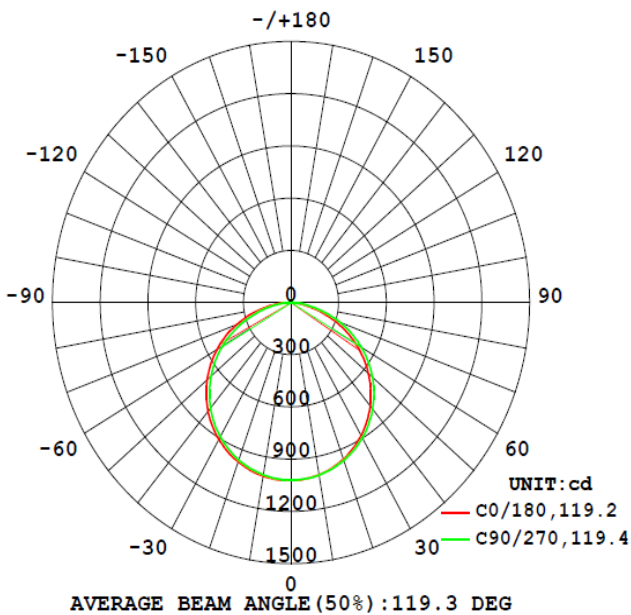
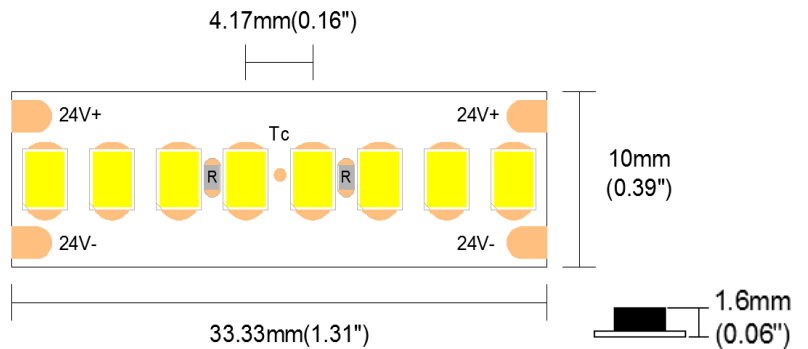
### ▼ General description

- Luminance efficiency up to 150LM/W
- Self-encapsulated design offers eight optional 1900-6000K white lights
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C (max)



### ▼ Dimension

- Max.length: 5000mm
- Cutting unit: 8leds/33.33mm(1.31")
- LED pitch: 4.17mm(0.16")
- Min. bend diameter: Φ60mm
- Mounting: 3M tape
- IP: IP20/IP55/IP65/IP67
- ※Warranty: 5years



Photometric of 1M strip

Height	Eavg, Emax	Angle: 119.20deg	Diameter
1m	257.4, 10221x		340.88cm
2m	64.36, 255.41x		681.77cm
3m	28.60, 113.51x		1022.65cm
4m	16.09, 63.851x		1363.54cm
5m	10.30, 40.861x		1704.42cm
6m	7.151, 28.381x		2045.31cm
7m	5.254, 20.851x		2386.19cm
8m	4.023, 15.961x		2727.07cm
9m	3.178, 12.611x		3067.96cm
10m	2.574, 10.221x		3408.84cm

AAI Figure

※Warranty is based on indoor use

### ▼Electronic & output data

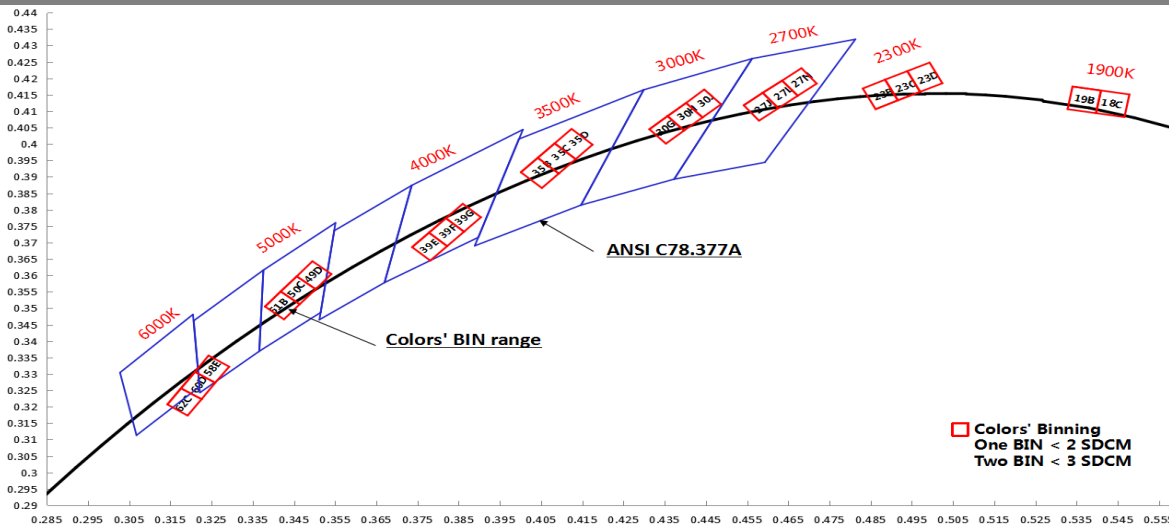
Input voltage: DC24V  
 Typical Power: 20W(1m) /84W(5m)  
 Max.power: 22W(1m)  
 Power range: 18~22W(1m)

Rated current: 0.83A(1m) /3.5A(5m)  
 CRI: 80/90/95  
 On-off times: 10000 (test times)  
 Copper foil: 3oz





CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>80	GW	1900K	2280	114	E
Ra>80	LW	2300K	2530	127	E
Ra>80	SW	2700K	2735	137	E
Ra>80	WW	3000K	2880	144	D
Ra>80	PW	3500K	2925	146	D
Ra>80	NW	4000K	3000	150	D
Ra>80	DW	5000K	3000	150	D
Ra>80	W	6000K	2880	144	D
Ra>90	GW	1900K	1880	94	/
Ra>90	LW	2300K	2090	105	F
Ra>90	SW	2700K	2260	113	F
Ra>90	WW	3000K	2380	119	E
Ra>90	PW	3500K	2420	121	E
Ra>90	NW	4000K	2480	124	E
Ra>90	DW	5000K	2480	124	E
Ra>90	W	6000K	2380	119	E
Ra>95	GW	1900K	1865	93	/
Ra>95	LW	2300K	2075	104	F
Ra>95	SW	2700K	2240	112	F
Ra>95	WW	3000K	2360	118	F
Ra>95	PW	3500K	2400	120	E
Ra>95	NW	4000K	2460	123	E
Ra>95	DW	5000K	2460	123	E
0	G	525nm	1800	90	/
0	B	470nm	400	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	10mm*1.6mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	100%
NA	 NANO/IP65	Nano-proof	10mm*1.7mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	98%
SG	 SG/IP55	Gel coating	10mm*2.7mm	2300K/3000K/3500K/4000K/6000K/10000K/15000K/G/B	90%
ET	 ET/IP67	Extrusion tube	12mm*4.8mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	88%

▼ Accessories Information

Name	Picture	Code	description
Connector for wire and FPC		94-03-00-0037	10mm width, 2PIN connector of wire and FPC,suitable for white color strip, NO/NA,2PIN wire18- 22AWG
Connector for FPC and FPC		94-42-621020004	10mm width, 2PIN connector of FPC and FPC,suitable for white color strip,NO/NA
Connector for wire and FPC		94-03-00-0045	10mm 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		94-03-00-0049	10mm width, 2PIN connector of FPC and FPC,suitable for white color and gel coating strip, SG

Slim connector		94-03-00-0064	TSC-10-2, suitable for 10mm fpc to fpc connection , IP20, 2pin, 10pcs per bag
FPC with wire		94-03-00-0067	wire connection when using together with TSC-10-2,IP20,2PIN, 10PCS per bag
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	transparent, 3*8mm self-tapping screws, suitable for 10mm FPC, NO/NA LED strip
Fixed Clip		94-02-00-0016	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 10mm FPC, SG 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

### ▼ Order Code Formats

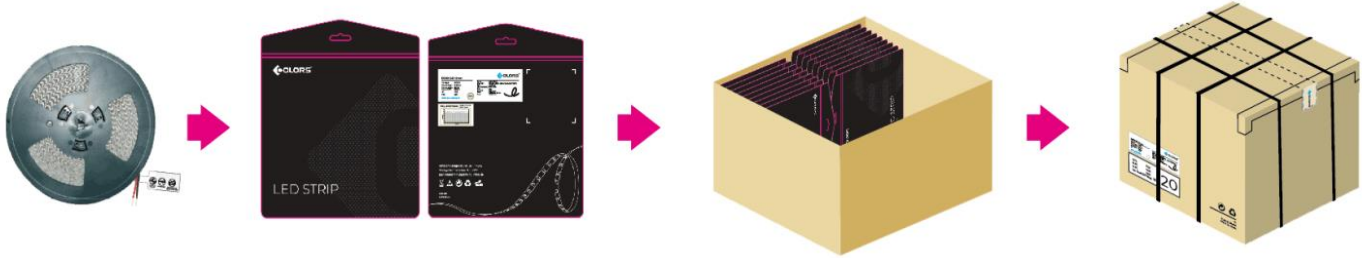
1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	8	2835	240	240 LED	24	24V	10	10mm	NO	NO	8	> 80	GW	1900K
										NA	NANO	9	> 90	LW	2300K
										SG	Gel coating	H	> 95	SW	2700K
										ET	Extrusion tube	0	0	WW	3000K
														PW	3500K
														NW	4000K
														DW	5000K
														W	6000K
														G	Green
														B	Blue
D	-	8		240		24		10		NO		8		GW	

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	5000	50m
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	

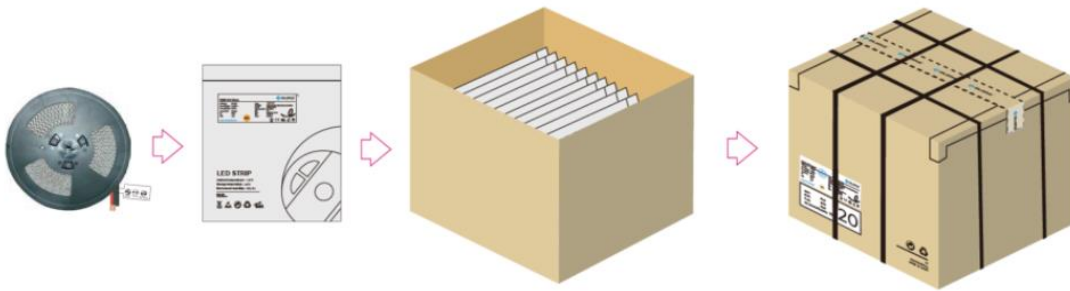
D82402410NO-8GWNSA012WC0500

▼ Packing

**Colors brand package**



**General customized package**

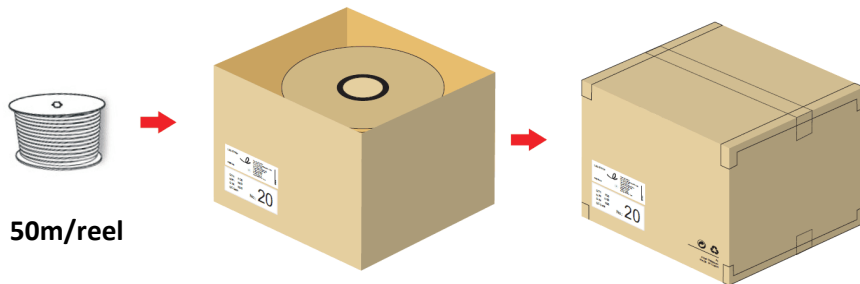


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
NO	5000*10*1.6	5	300	0.14	8.4	9.66	41*41*26
NA	5000*10*1.7	5	300	0.143	8.58	9.867	41*41*26
SG	5000*10*2.8	5	300	0.228	13.68	15.73	41*41*26
ET	5000*12*4.8	5	200	0.465	18.6	21.378	41*41*26

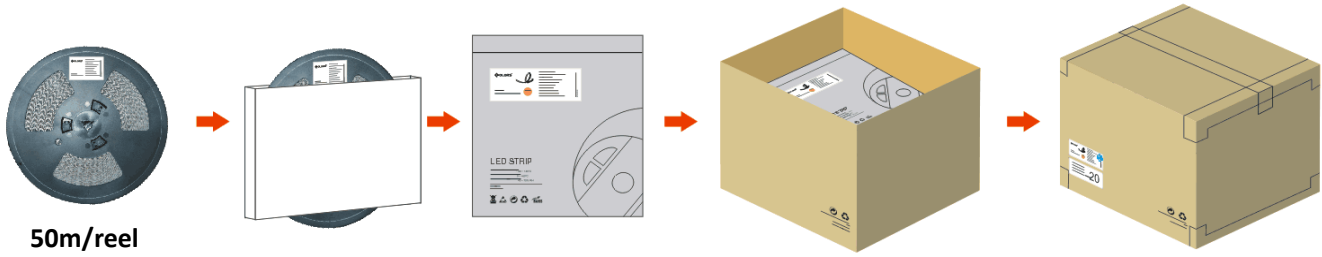
Remark: data with 10% tolerance

**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*10*1.6	50	650	1.4	18.2	20.93	41*41*26
NA	50000*10*1.7	50	650	1.43	18.59	21.378	41*41*26
ET	50000*12*4.8	50	100	4.74	9.48	10.902	25.5*25.5*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).