

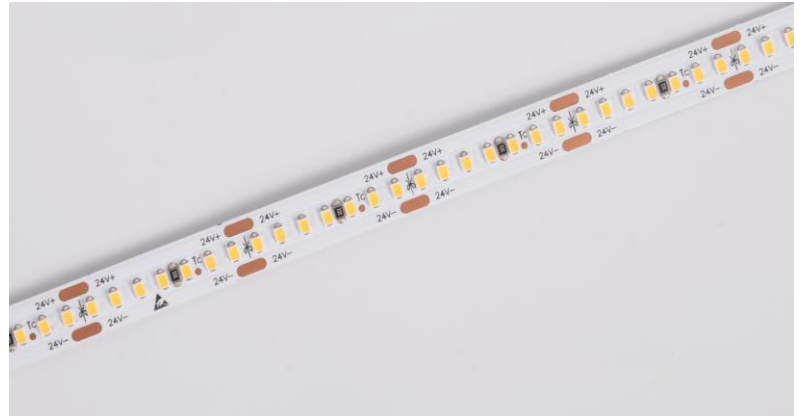
Specification

D6280-24V-8mm



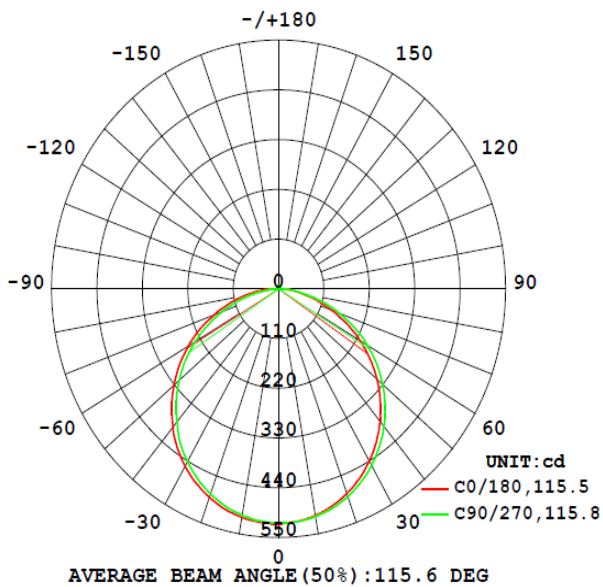
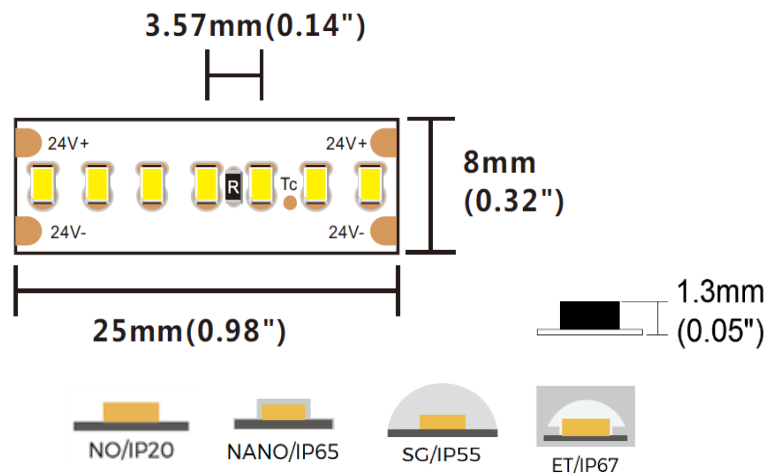
▼General description

- Super-dense LED distribution of 280 LEDs/m and ultraslim thickness of 1.2mm, matching profiles better
- Self-encapsulated design offers five optional 2700-6000K white lights, CRI 90
- With life span over 36000H
- Ta: -25~40°C; Tc: 75°C (max)



▼Dimension

- Max.length: 5000mm
- Cutting unit: 7leds/25mm
- LED pitch: 3.57mm
- Min. bend diameter: Φ60mm
- Mounting: 3M tape
- IP: IP20/IP55/IP65/IP67
- ※Warranty: 5years



Photometric of 1M strip

Height	Eavg, Emax	Angle: 115.50deg	Diameter
1m	143.1, 519.6lx		316.97cm
2m	35.77, 129.9lx		633.95cm
3m	15.90, 57.73lx		950.92cm
4m	8.944, 32.47lx		1267.90cm
5m	5.724, 20.78lx		1584.87cm
6m	3.975, 14.43lx		1901.85cm
7m	2.920, 10.60lx		2218.82cm
8m	2.236, 8.119lx		2535.80cm
9m	1.767, 6.415lx		2852.77cm
10m	1.431, 5.196lx		3169.75cm

AAI Figure

※Warranty is based on indoor use

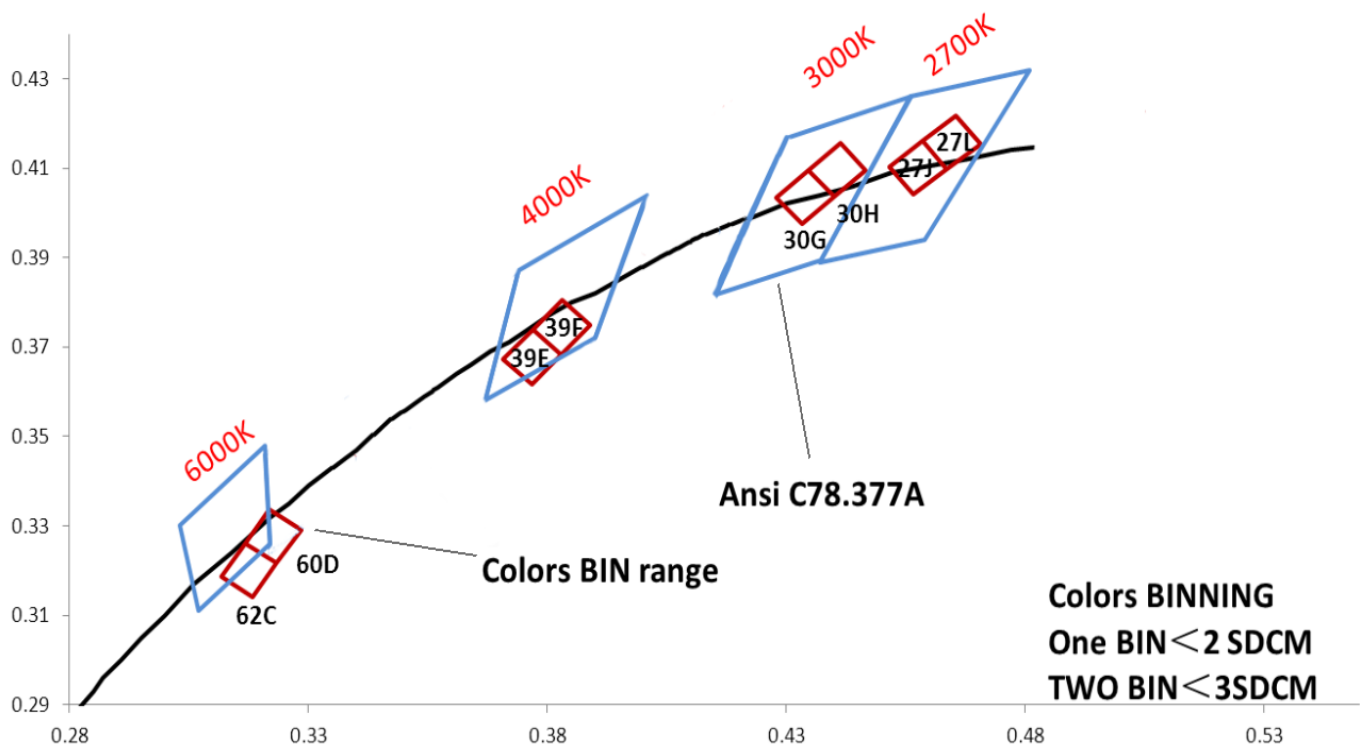
▼ Electronic & output data

Input voltage: DC24V	Rated current: 0.625A(1m) /2.6A(5m)
Typical Power: 15W(1m) /62.4W(5m)	CRI: >90
Max.power: 16.5W(1m)	On-off times: 10000 (test times)
Power range: 13.5 ~ 16.5W(1m)	Copper foil: 3oz





CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>90	SW	2700K	1500	100	F
Ra>90	WW	3000K	1590	106	F
Ra>90	NW	4000K	1650	110	F
Ra>90	W	6000K	1590	106	F

- 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	8mm*1.3mm	2700K/3000K/4000K/6000K	100%
NA	 NANO/IP65	Nano-proof	8mm*1.4mm	2700K/3000K/4000K/6000K	98%
SG	 SG/IP55	Gel coating	8mm*2.7mm	3000K/3500K/5000K/12000K	90%
ET	 ET/IP67	Extrusion tube	10mm*4.8mm	2700K/3000K/4000K/6000K	88%

▼ Accessories Information

Name	Picture	Code	description
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 wire18- 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	Fixed clip, 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		94-03-00-0069	Silicone end cap with hole&without hole, suitable for 8mmFPC, ET waterproof LED strip
Stopper glue		94-16-03010001	Silicone gel,suitable for ST/ET/EH/EF/SF waterproof LED strip

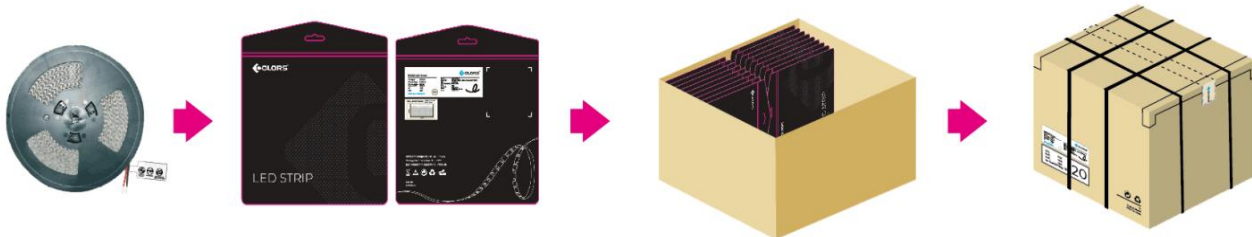
▼Order Code Formats

1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	6	2216	280	280 LED	24	24V	08	8mm	NO	NO	9	> 90	SW	2700K
										NA	NANO			WW	3000K
										SG	Gel coating			NW	4000K
										ET	Extrusion tube			W	6000K
D	-	6		280		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						
				X	Nothing	100	100cm	X	Nothing						
						0	Nothing								
N		S		A		012		W		C		0500			

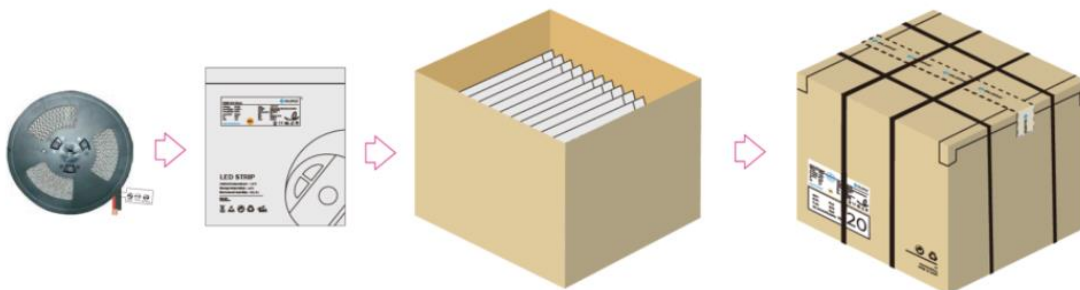
D62802408NO-9SWNSA012WC0500

▼Packing

Colors brand package



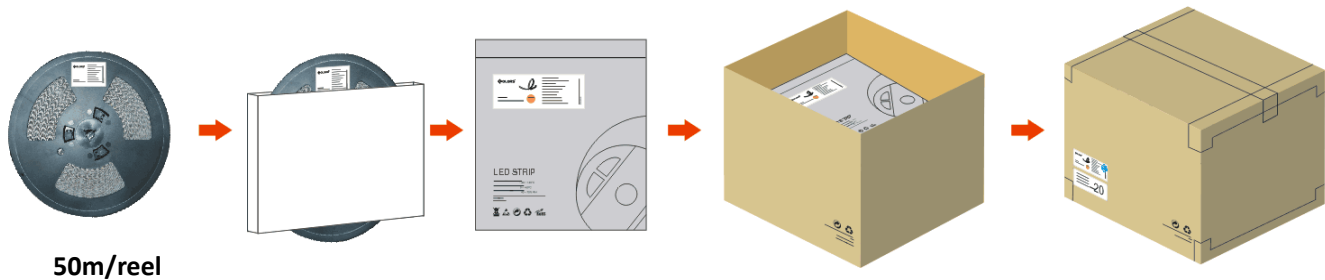
General customized package



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*1.3	5	300	0.127	7.62	8.763	41*41*26
NA	5000*8*1.4	5	300	0.129	7.74	8.901	41*41*26
SG	5000*8*2.7	5	300	0.215	12.9	14.835	41*41*26
ST	5000*10.5*4.2	5	200	0.338	13.52	15.548	41*41*26

Remark: data with 10% tolerance

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*1.3	50	650	1.27	16.51	18.987	41*41*26
NA	50000*8*1.4	50	650	1.29	16.77	19.286	41*41*26
ET	50000*10*4.8	50	100	4.68	9.36	10.764	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).