

# Specification

D6140-24V-8mm



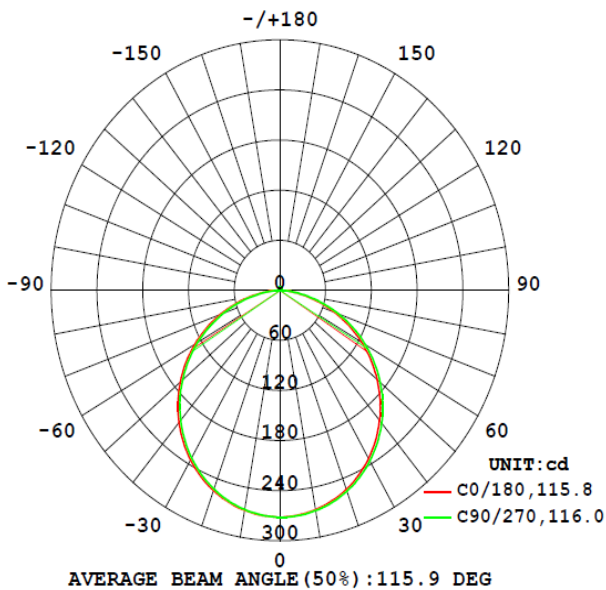
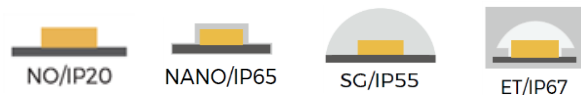
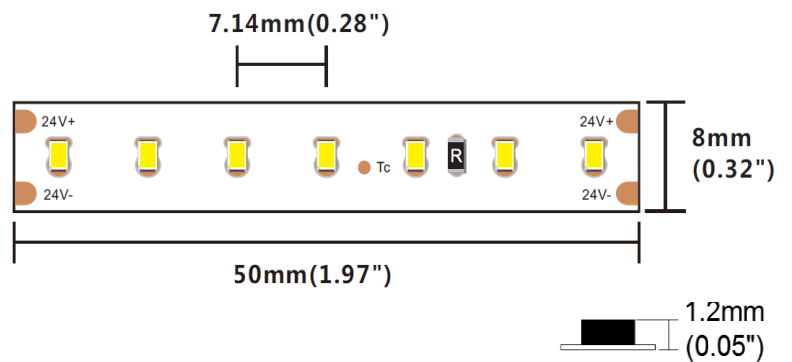
### ▼General description

- 140 LEDs/m with ultra-slim thickness of 1.2mm, matching profiles better
- Self-encapsulated design offers 4 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/50mm
- LED pitch: 7.14mm
- Min. bend diameter: Φ60mm
- Mounting: 3M tape
- IP: IP20/IP55/IP65/IP67
- ※Warranty: 5years



Photometric of 1M strip

Height	Eavg, Emax	Angle: 115.78deg	Diameter
1m	75.06, 271.61x		318.70cm
2m	18.76, 67.911x		637.39cm
3m	8.340, 30.181x		956.09cm
4m	4.691, 16.981x		1274.79cm
5m	3.002, 10.871x		1593.48cm
6m	2.085, 7.5451x		1912.18cm
7m	1.532, 5.5431x		2230.88cm
8m	1.173, 4.2441x		2549.57cm
9m	0.9267, 3.3531x		2868.27cm
10m	0.7506, 2.7161x		3186.97cm

AAI Figure

※Warranty is based on indoor use

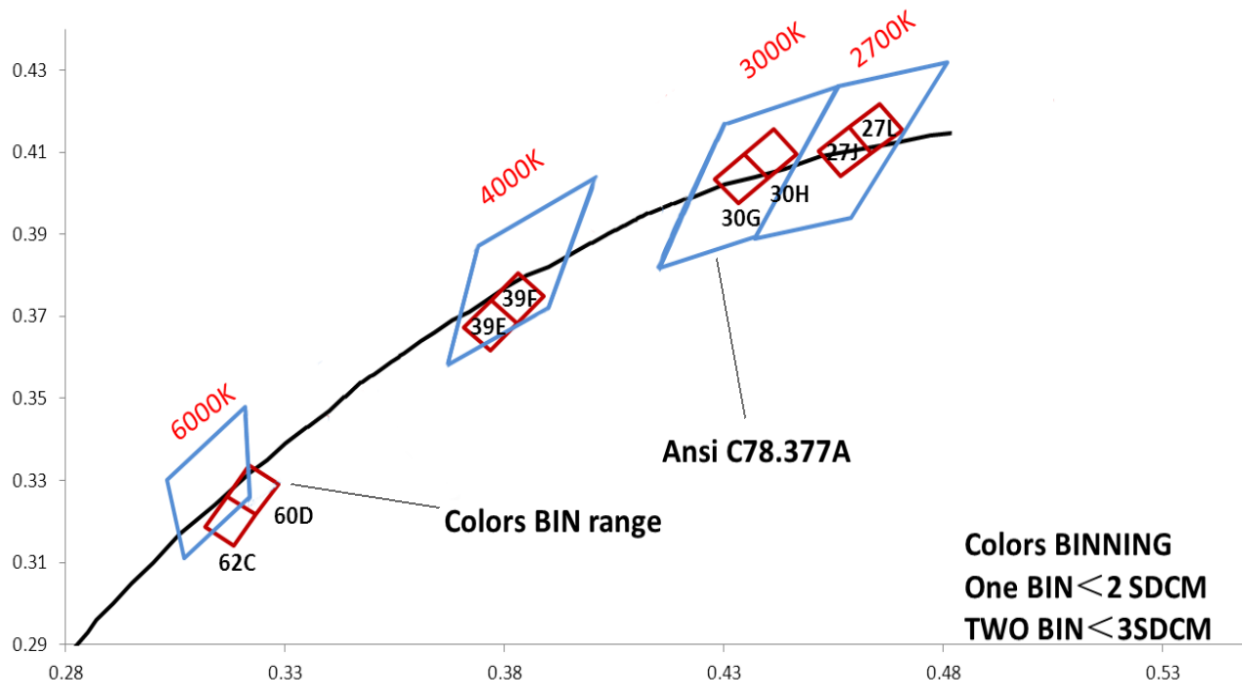
### ▼ Electronic & output data

Input voltage: DC24V	Rated current: 0.275A(1m) /1.1A(5m)
Typical Power: 6.6W(1m) /26.4W(5m)	CRI: >90
Max.power: 7.2W(1m)	On-off times: 10000 (test times)
Power range: 6 ~ 7.2W(1m)	Copper foil: 2oz


CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>90	SW	2700K	660	100	F
Ra>90	WW	3000K	685	104	F
Ra>90	NW	4000K	710	108	F
Ra>90	W	6000K	685	104	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 proof	8mm*1.2mm	2700K/3000K/4000K/6000K	100%

NA	 NANO/IP65	Nano-proof	8mm*1.3mm	2700K/3000K/4000K/6000K	98%
SG	 SC/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		94-42-620800001	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 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

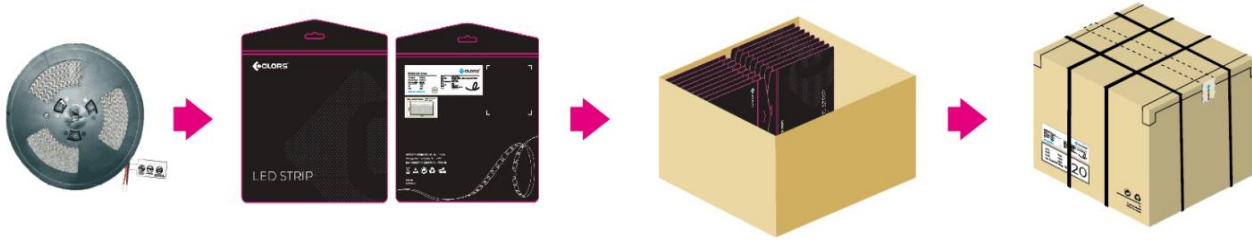
## ▼ Order Code Formats

1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	6	2216	140	140 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		140		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			

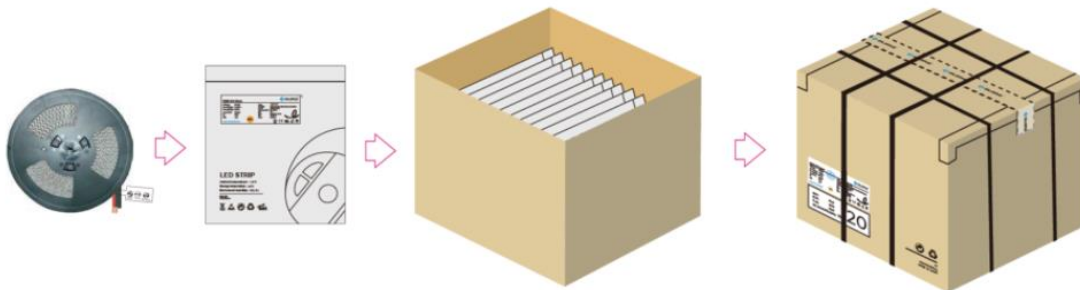
D61402408NO-9SWNSA012WC0500

## ▼ Packing

### Colors brand package



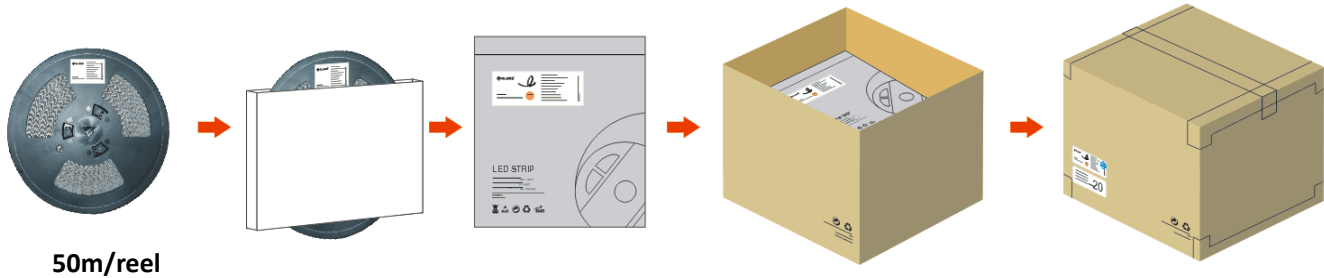
### General customized package



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*1.2	5	300	0.115	6.9	7.935	41*41*26
NA	5000*8*1.3	5	300	0.12	7.2	8.28	41*41*26
SG	5000*8*2.7	5	300	0.203	12.18	14.007	41*41*26
ET	5000*10*4.8	5	200	0.459	18.36	21.114	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*1.2	50	650	1.15	14.95	17.192	41*41*26
NA	50000*8*1.3	50	650	1.2	15.6	17.94	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).