

# Specification

D8196-24V-15mm



### ▼ General description

- Self-encapsulated design offers eight optional 1900-6000K white lights
- High quality PFC, high thermal 3M adhesive
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C (max)



### ▼ Dimension

※Max.length: 5000mm

Cutting unit: 14leds/71mm

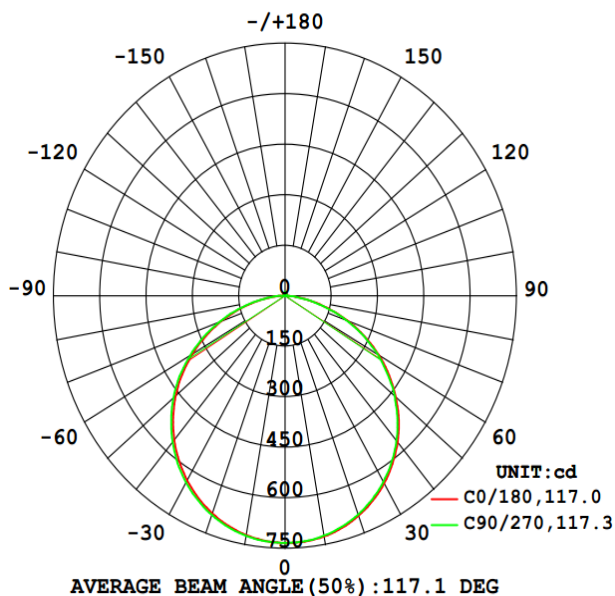
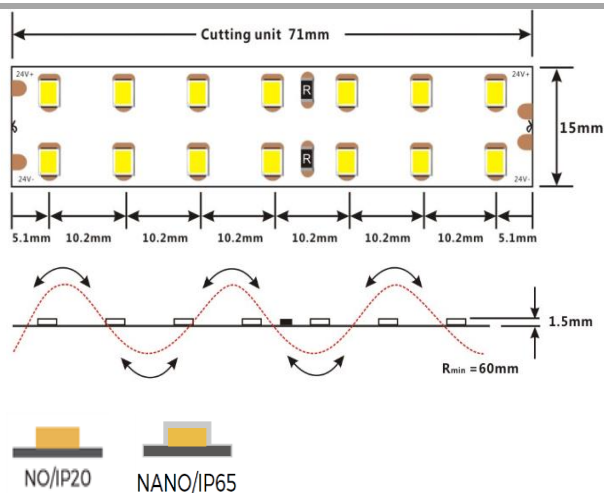
LED pitch: 10.2mm

Min. bend diameter: Φ60mm

Mounting: 3M tape

IP: IP20/IP65

※Warranty: 5years



Photometric of 1M strip

Flux out: 1690 lm

Height	Eavg, Emax	Angle: 116.94deg	Diameter
1m	194.3, 735.21x		325.98cm
2m	48.56, 183.81x		651.96cm
3m	21.58, 81.691x		977.94cm
4m	12.14, 45.951x		1303.92cm
5m	7.770, 29.411x		1629.90cm
6m	5.396, 20.421x		1955.87cm
7m	3.964, 15.001x		2281.85cm
8m	3.035, 11.491x		2607.83cm
9m	2.398, 9.0771x		2933.81cm
10m	1.943, 7.3521x		3259.79cm

AAI Figure

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

※Warranty is based on indoor use

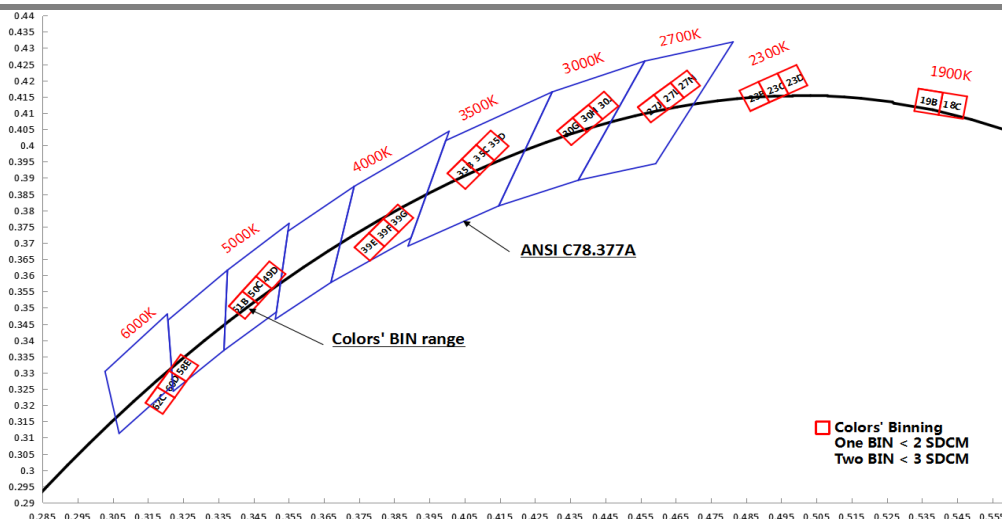
### ▼ Electronic & output data

Input voltage: DC24V	Rated current: 0.787A(1m) /3.29A(5m)
Typical Powe: 18.9W(1m) /79W(5m)	CRI: >90/95/98
Max.power: 20.2W	On-off times: 10000 (test times)
Power range: 17.5 ~ 20.2W	Copper foil: 2oz

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>90	GW	1900K	1680	89	A
Ra>90	LW	2300K	1870	99	A+
Ra>90	SW	2700K	2000	106	A+
Ra>90	WW	3000K	2100	111	A+
Ra>90	PW	3500K	2140	113	A+
Ra>90	NW	4000K	2190	116	A+
Ra>90	DW	5000K	2190	116	A+
Ra>90	W	6000K	2100	111	A+
Ra>95	SW	2700K	1527	81	A
Ra>95	WW	3000K	1675	89	A+
Ra>95	PW	3500K	1862	99	A+
Ra>95	NW	4000K	1862	99	A+
Ra>98	SW	2700K	1470	77	A
Ra>98	WW	3000K	1490	78.5	A
Ra>98	NW	4000K	1540	81	A
0	G	525~530nm	/	/	/
0	B	465~470nm	/	/	/

- 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*1.5mm	1900K/2300K/2700K/3000K/ 3500K/4000K/5000K/6000K/G/B	100%
NA	 NANO/IP65	Nano-proof	10mm*1.5mm	1900K/2300K/2700K/3000K/ 3500K/4000K/5000K/6000K/G/B	98%

### ▼ Order Code Formats

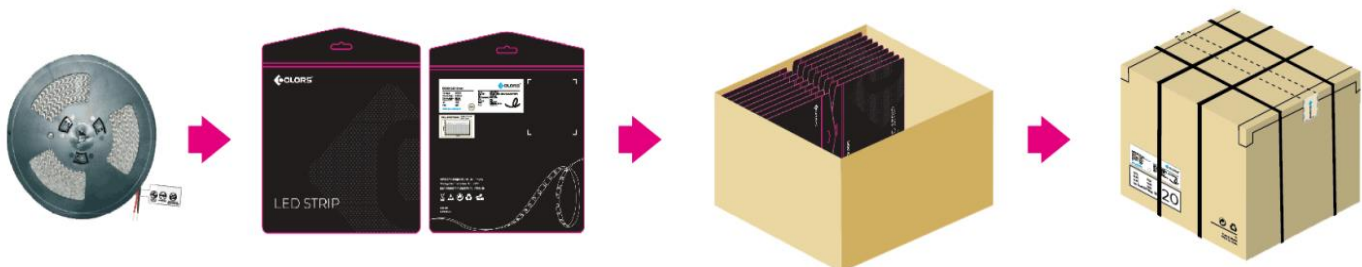
1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
D	-	8	2835	196	196 LED	24	24V	15	15mm	NO	NO	9	> 90	GW	1900K
										NA	NANO	H	>95	LW	2300K
												F	> 98	SW	2700K
												0	0	WW	3000K
														PW	3500K
														NW	4000K
														DW	5000K
														W	6000K
														G	Green
														B	Blue
D	-	8		196		24		15		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	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	

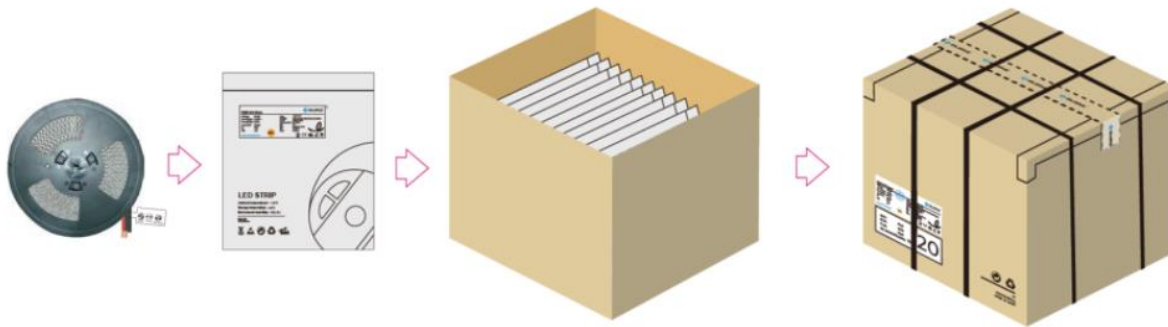
D81962415NO-9GWNSA012WC0500

### ▼ 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*15*1.5	5	200	0.16	6.4	7.36	41*41*26
NA	5000*15*1.5	5	200	0.165	6.6	7.59	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).