

FREE CUTTING Series Specification

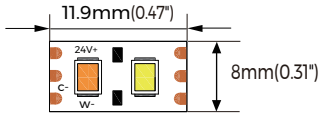
# C8168SWW

## 24V-8mm



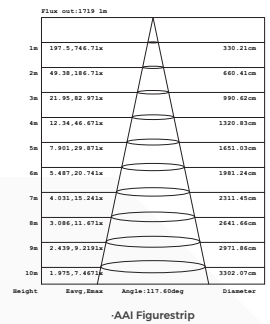
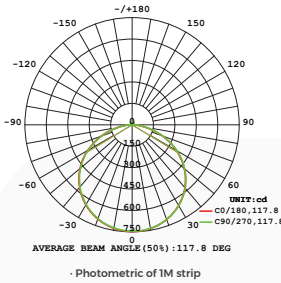
## 【General description】

- Free cutting and connecting by soldering-free connectors
- Tunable white with high lumen
- Mini cut unit up to 11.9mm
- Parameter matches with traditional ones,better for stock management
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C(max)
- UL/JACK/CE/ROHS/REACH certification



## 【Dimension】

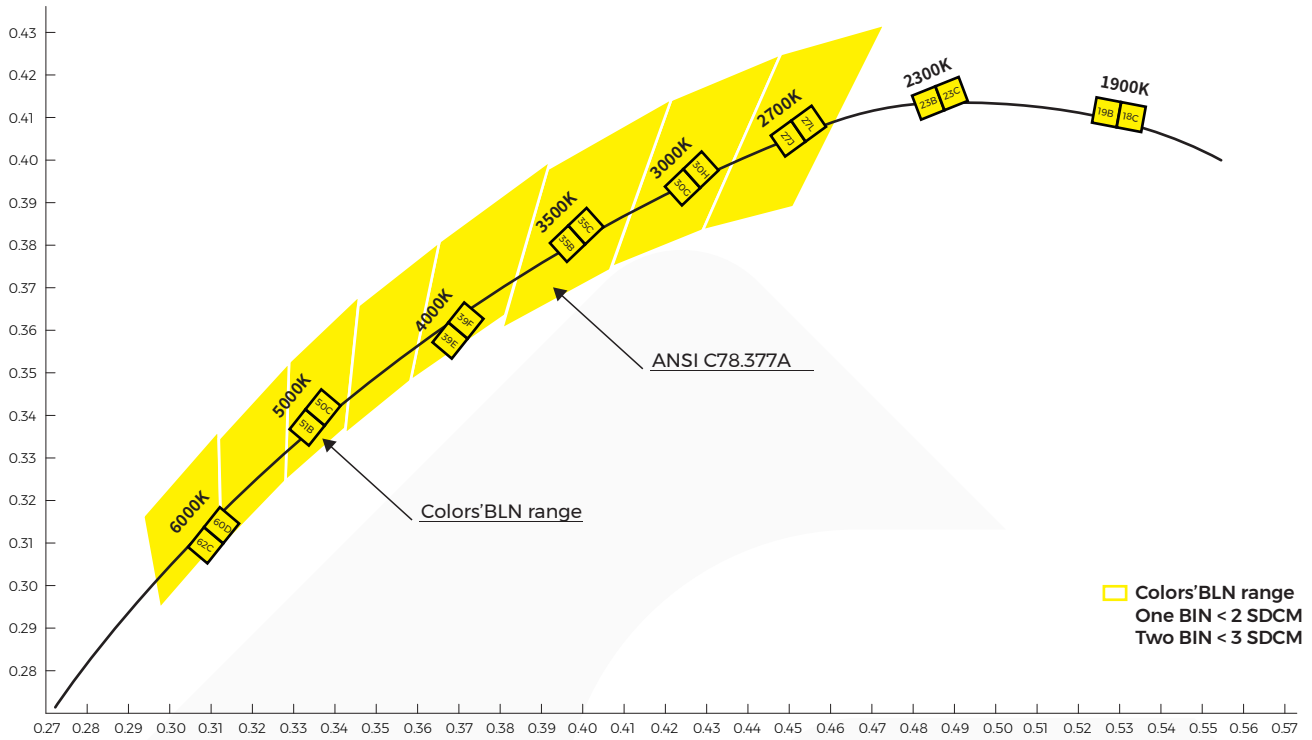
Input voltage: DC24V	Max.length: 5000mm(16.4')
CRI: 90/95	Cutting unit: 2leds/11.9mm(0.47")
Max.power: 19.8W(1m)	LED pitch: 5.95mm(0.23")
Power range: 16.2~19.8W(1m)	Min. bend diameter: Φ60mm(2.36")
Rated current: 0.92A(1m)	Mounting: 3M tape
Typical Power: 18W(1m)	Copper foil: 3oz
tape IP: IP20/IP65/IP67	
On-off times: 10000 (test times)	
Warranty: 7 years indoor / 5 years outdoor	





## 【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	LW	2300K	1010	304	112	E
Ra>90	SW	2700K	1125	340	125	E
Ra>90	NW	4000K	1215	367	135	E
Ra>90	W	6000K	1170	353	130	E
Ra>90	LWNW	2300+4000K	2200	664	122	E
Ra>90	SWW	2700+6000K	2305	695	128	E
Ra>95	LW	2300K	1070	326	119	E
Ra>95	SW	2700K	1195	364	133	E
Ra>95	NW	4000K	1295	394	144	E
Ra>95	W	6000K	1240	378	138	E
Ra>95	LWNW	2300+4000K	2395	729	133	E
Ra>95	SWW	2700+6000K	2520	768	140	E

- 1.The tolerance of output data can be vary up to 10%.
- 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.

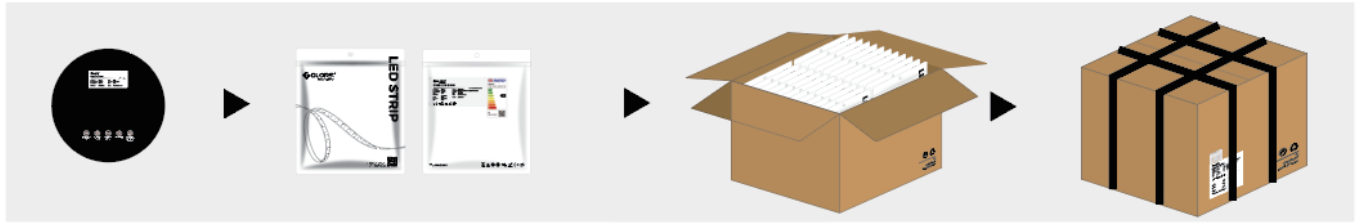


**【Electronic & output data】**

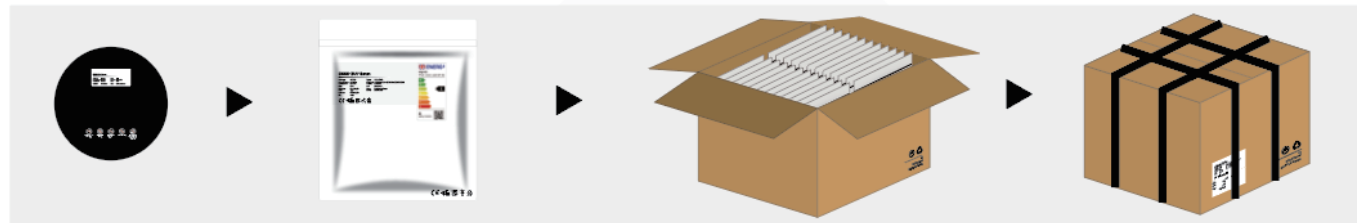
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	No proof	8mm*1.5mm	2300+4000K/2700+6000K	100%
NA	 NANO/IP65	Nano-proof	8mm*1.5mm	2300+4000K/2700+6000K	98%

## 【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*81.5	5	250	0.161	8.05	9.257	41*41*26
NA	5000*8*1.5	5	250	0.164	8.2	9.43	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*1.5	50	500	1.61	16.1	18.515	41*41*26
NA	50000*8*1.5	50	500	1.64	16.4	18.86	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).
- Do not scratch the product when IP process of the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.