

FREE CUTTING Series Specification

# C8200

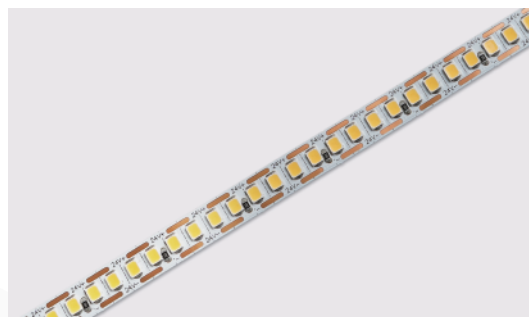
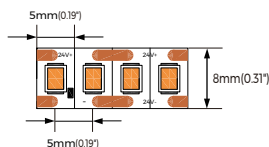
## 24V-8mm

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## 【General description】

- 24V single LED per cut for more flexible application
- Mini cutting unit up to 5mm
- Parameter matches with traditional ones,better for stock management
- Self-encapsulated design offers 6 optional 2300-6000K white lights
- With life span over 60000H
- Ta: -25-40°C; Tc: 75°C(max)
- UL/UACK/CE/ROHS/REACH certification



## 【Dimension】

Input voltage: DC24V

CRI: 90

Max.power: 18.5W(1m)

Power range: 15.1~18.5W(1m)

Rated current: 0.7A(1m)

Typical Power: 16.8W(1m)

tape IP: IP20/IP65/IP67

On-off times: 10000 (test times)

Warranty: 7 years indoor / 5 years outdoor

Max.length: 5000mm(16.4')

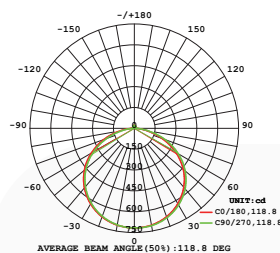
Cutting unit: 1leds/5mm(0.19")

LED pitch: 5mm(0.19")

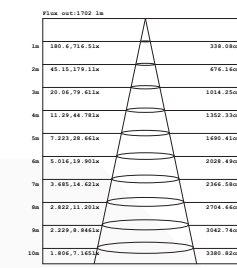
Min. bend diameter:  $\Phi$ 60mm(2.36")

Mounting: 3M tape

Copper foil: 3oz



· Photometric of 1M strip

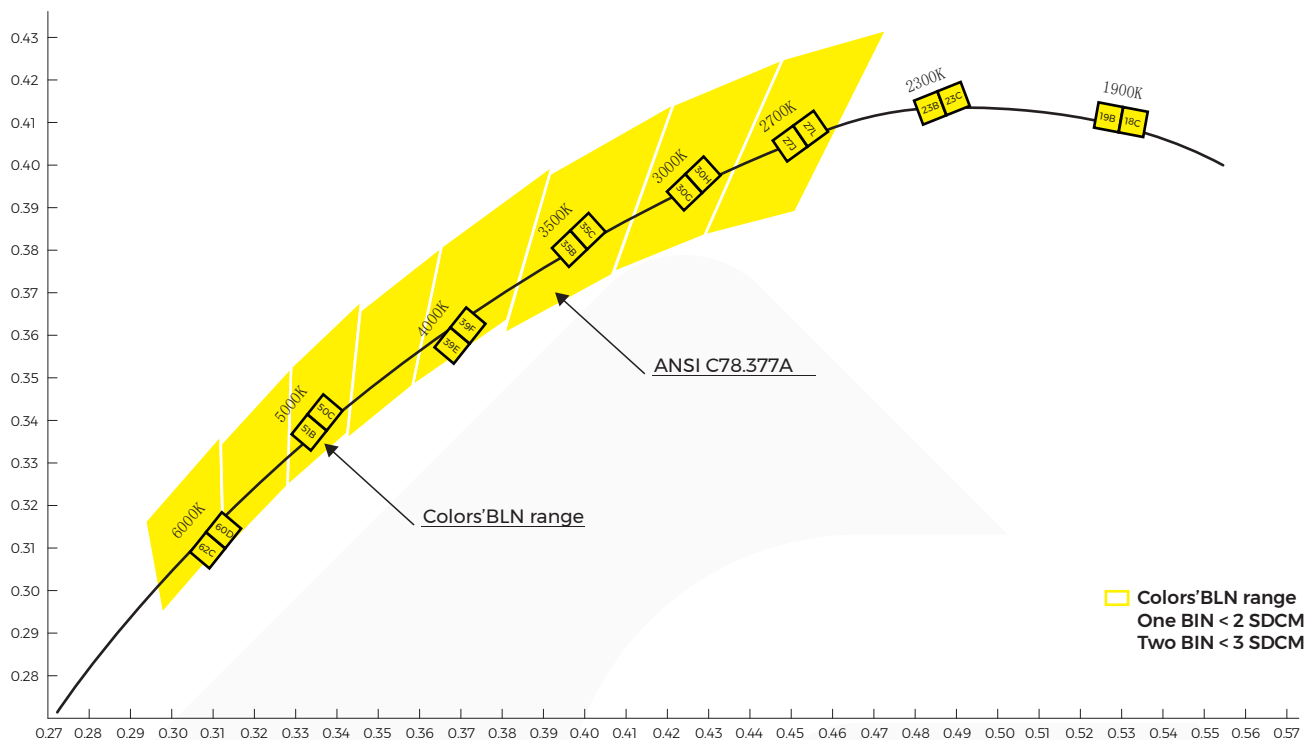


·AAI Figurestrip



## 【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	LW	2300K	1880	568	112	E
Ra>90	SW	2700K	2165	654	129	E
Ra>90	WW	3000K	2285	690	136	D
Ra>90	PW	3500K	2335	705	139	D
Ra>90	NW	4000K	2335	705	139	D
Ra>90	W	6000K	2285	690	136	D

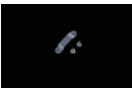










- 1.The tolerance of output data can be vary up to 10%.
- 2.the output data tested according to IES TM-30-15.
- 3.the output data is based on IP20/1merter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.



### 【Electronic & output data】

IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	8mm*1.5mm	2300K/2700K/3000K/3500K/4000K/6000K	100%
NA		Nano-proof	8mm*1.5mm	2300K/2700K/3000K/3500K/4000K/6000K	98%

## 【Accessories Information】

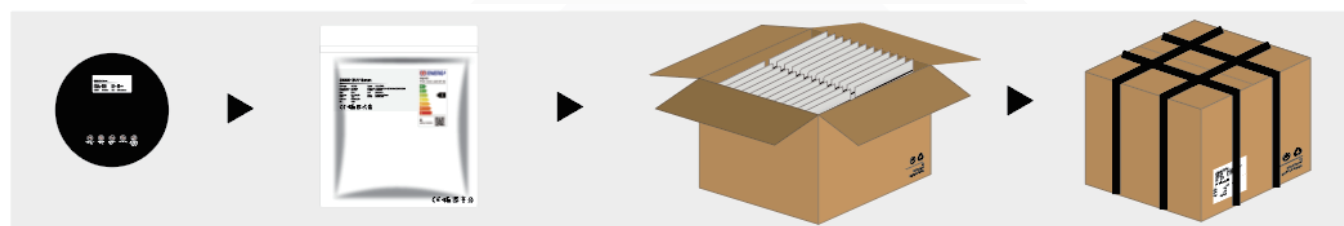
Name	Picture	Code	coding	description
Fixed Clip		94-02-00-0002	FSW08SA	Silicone clip, screw: PA 3*8mm, suitable for 8mm FPC,EF/ET strip
ET press-fit terminals		94-03-00-0027	PT208-ETWA	Monochromatic light strip, 8mm board width, ETS protection technology
ET press-fit terminals		94-03-00-0028	CBX208-ETWA020	Monochromatic light strip, 8mm board width, ETS protection technology
ET press-fit terminal kit		94-03-00-0029	STBX208-ETWA020	Monochromatic light strip, 8mm board width, ETS protection technology
Silicone Plug Kit		94-02-00-0044	DT08EA-A	Silicone plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0045	DW08EA-A	Silicone tail plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0024	CVT08EA-12100100	Transparent PVC mounting groove,suitable for 8mm FPC,silicone extruded EF/ET strip
Stopper glue		94-16-03010001	AS-PG-0003	Silicone gel,suitable for ET/EF/EG waterproof LED strip
Connector for wire and FPC		/	CXB208-DFTA	2PIN,wire to board(without wire),suitable for 8mm single color IP20 strips
Connector for FPC and FPC		/	CBB208-DFTA	2PIN,board to board,suitable for 8mm single color IP20 strips
L-connector for FPC and FPC		/	CBBL208-DFTA	2PIN,board to board(L shape),suitable for 8mm single color IP20 strips

## 【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*1.6	50	500	1.64	16.4	18.86	41*41*26

Remark: data with 10% tolerance

## 【Warning】

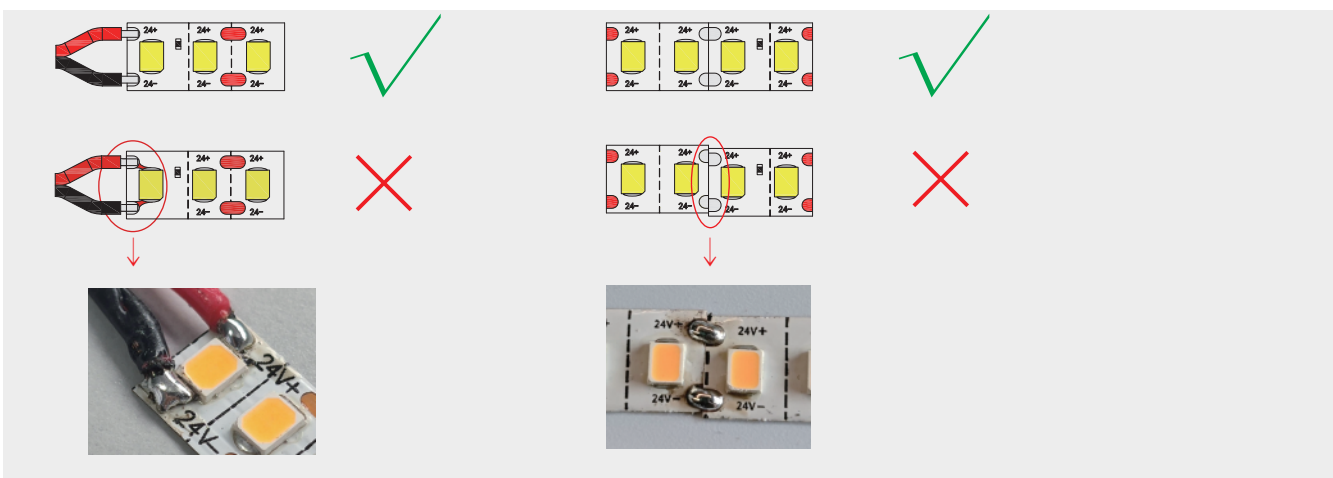
• **Risk of improper soldering:** During the soldering process (including wiring soldering and FPCB splicing), if the positive and negative input wires come into direct contact with the positive and negative poles of the SMD LED light source, a short circuit may occur. This can lead to abnormal brightness in the LED strip, accompanied by a continuous rise in temperature.

If such an abnormal brightness condition occurs, immediately disconnect the power supply and inspect the solder joints for any irregularities. If the issue cannot be resolved, please contact your local distributor or the manufacturer for assistance.

• **Risk of Misaligned Soldering:** Misaligned soldering may result in a short-circuit on the resistor, causing the LED strip to fail to illuminate properly when powered, the temperature of the strip increases, and the resistor may eventually burn out.

• **Note:** Such LED strips are not recommended for use in flammable environments.

Proper soldering alignment and quality check after soldering are critical to prevent circuit faults, ensure safe operation and proper functionality of the LED strip lighting systems.



## 【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℃~40℃. Storage temperature: 0℃~60℃. Please use the strips without waterproof within indoor environment with humidity less than 70%.

• 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.