

FREE CUTTING Series Specification

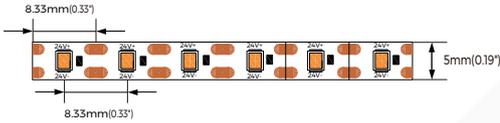
C8120

24V-5mm



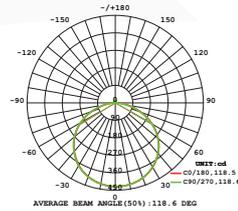
【General description】

- Super slim width with board width only 5mm
- 24V single LED per cut for more flexible application
- Mini cutting unit up to 8.33mm
- 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

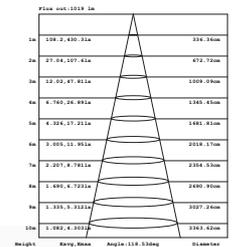


【Dimension】

- | | |
|--|--|
| Input voltage: DC24V | Max.length: 5000mm(16.4') |
| CRI: 90 | Cutting unit: 1leds/8.33mm(0.33") |
| Max.power: 10.6W(1m) | LED pitch: 8.33mm(0.33") |
| Power range: 8.8~10.6W(1m) | Min. bend diameter: Φ 60mm(2.36") |
| Rated current: 0.4A(1m) | Mounting: 3M tape |
| Typical Power: 9.6W(1m) | Copper foil: 3oz |
| tape IP: IP20/IP65 | |
| On-off times: 10000 (test times) | |
| Warranty: 7 years indoor / 5 years outdoor | |



· Photometric of 1M strip

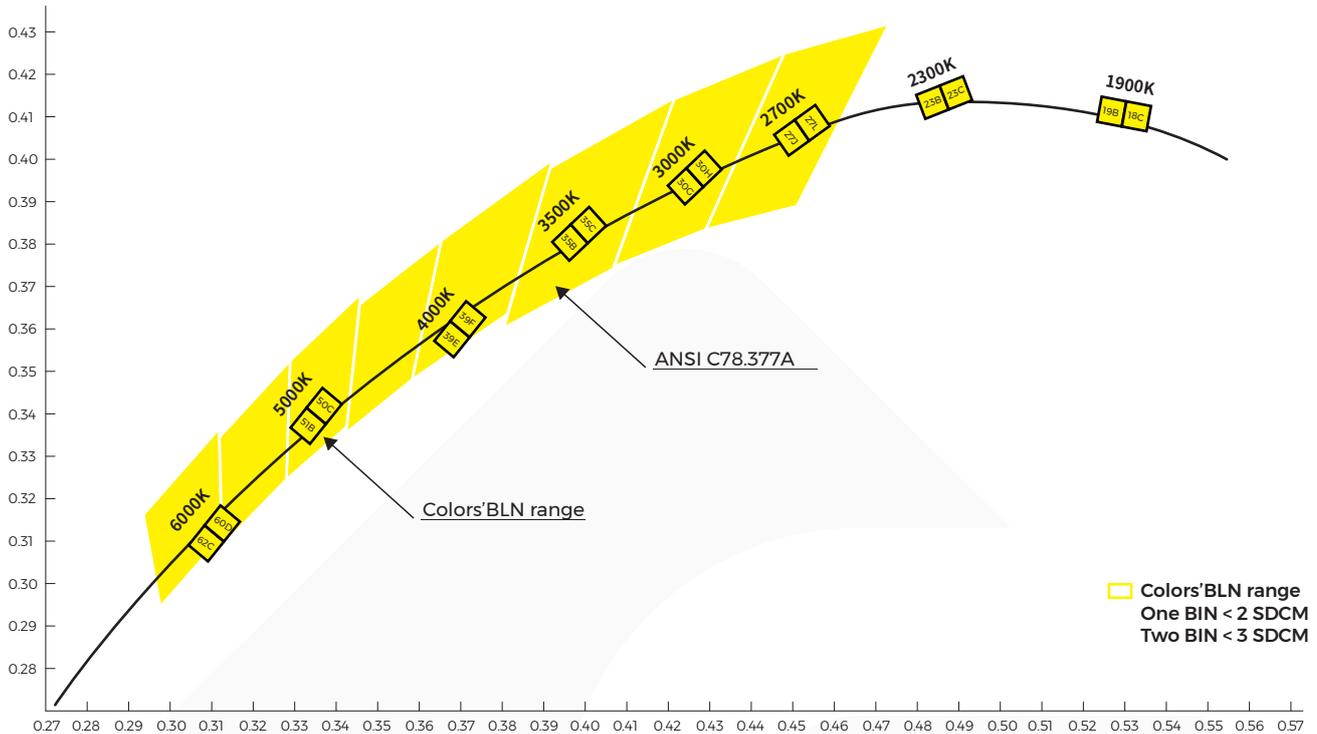


· AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	LW	2300K	1085	327	113	E
Ra>90	SW	2700K	1250	377	130	E
Ra>90	WW	3000K	1305	394	136	D
Ra>90	PW	3500K	1335	403	139	D
Ra>90	NW	4000K	1350	409	141	D
Ra>90	W	6000K	1295	391	135	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/lmerter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.



【Electronic & output data】

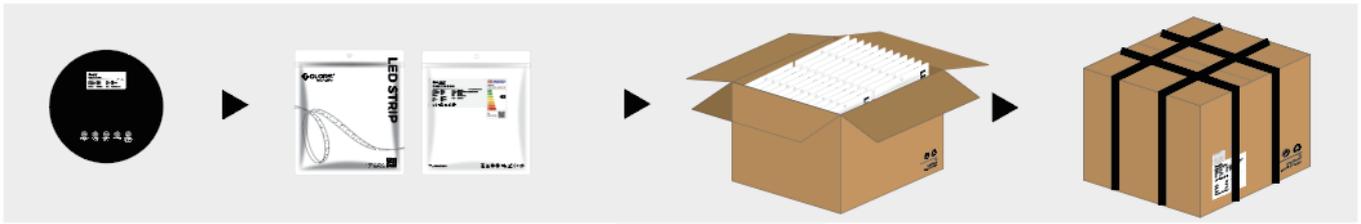
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	5mm*1.5mm	2300K/2700K/3000K/3500K/4000K/6000K	100%
NA		Nano-proof	5mm*1.5mm	2300K/2700K/3000K/3500K/4000K/6000K	98%

【Accessories Information】

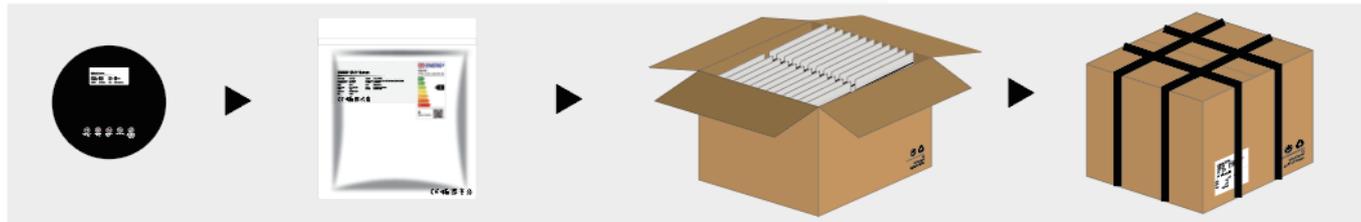
Name	Picture	Code	coding	description
Connector for wire and FPC		/	CXB205-DFTA	2PIN,wire to board(without wire),suitable for 5mm single color IP20 strips
Connector for FPC and FPC		/	CBB205-DFTA	2PIN,board to board,suitable for 5mm single color IP20 strips
L-connector for FPC and FPC		/	CBBL205-DFTA	2PIN,board to board(L shape),suitable for 5mm 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*5*1.5	5	400	0.048	3.84	5	41*41*26
NA	5000*5*1.5	5	400	0.054	4.32	5.52	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℃~40℃. Storage temperature: 0℃~60℃. 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.