

FREE CUTTING Series Specification

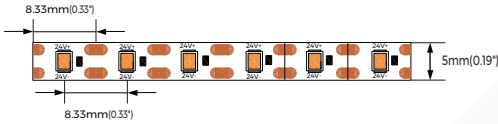
C8120

24V-5mm



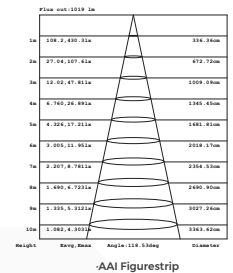
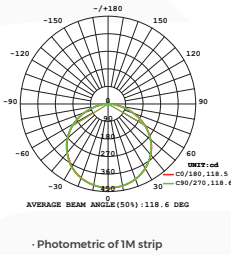
【General description】

- 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/ULACK/CE/ROHS/REACH certification



【Dimension】

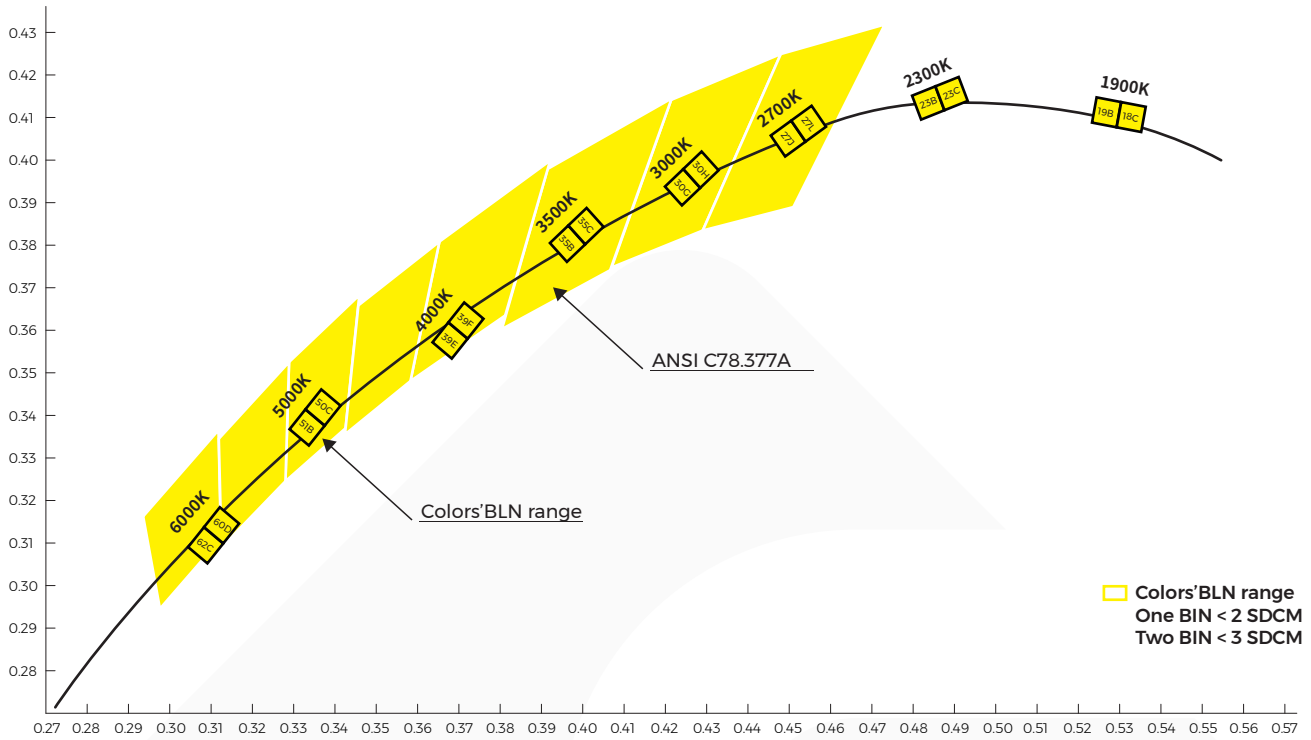
- | | |
|--|--|
| Input voltage: DC24V | Max.length: 5000mm(16.4') |
| CRI: 90/95 | Cutting unit: 1leds/8.33mm(0.33") |
| Max.power: 10.6W(1m) | LED pitch: 8.33mm(0.33") |
| Power range: 8.8~10.6W(1m) | Min. bend diameter: Φ 60mm(2.36") |
| Rated current: 0.4A(1m) | Mounting: 3M tape |
| Typical Power: 9.6W(1m) | Copper foil: 3oz |
| tape IP: IP20/IP65 | |
| On-off times: 10000 (test times) | |
| Warranty: 7 years indoor / 5 years outdoor | |





【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 | E |
| Ra>90 | PW | 3500K | 1335 | 403 | 139 | E |
| Ra>90 | NW | 4000K | 1350 | 409 | 141 | E |
| Ra>90 | W | 6000K | 1295 | 391 | 135 | E |
| Ra>95 | LW | 2300K | 1325 | 403 | 138 | E |
| Ra>95 | SW | 2700K | 1365 | 416 | 142 | E |
| Ra>95 | WW | 3000K | 1400 | 426 | 146 | D |
| Ra>95 | PW | 3500K | 1400 | 426 | 146 | D |
| Ra>95 | NW | 4000K | 1440 | 439 | 150 | D |
| Ra>95 | W | 6000K | 1355 | 413 | 141 | 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】

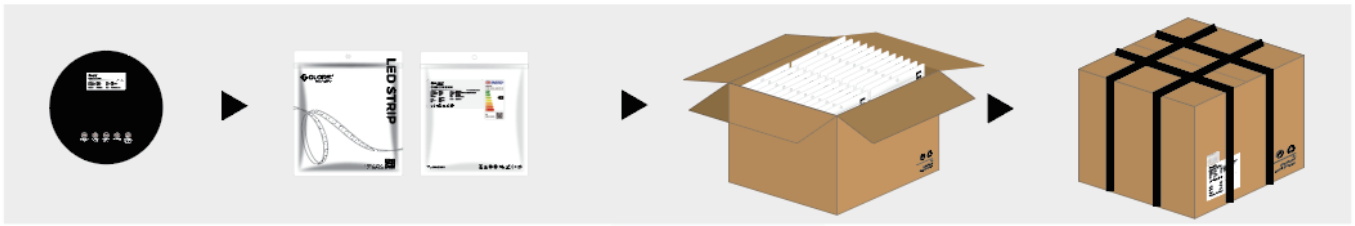
| IP Process | Picture | Picture description | Size | optional CCT/color for finished product | lumen output rate |
|------------|---|---------------------|-----------|---|-------------------|
| NO |  | No proof | 5mm*1.5mm | 2300K/2700K/3000K/3500K/4000K/6000K | 100% |
| NA |  | Nano-proof | 5mm*1.5mm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

【Accessories Information】

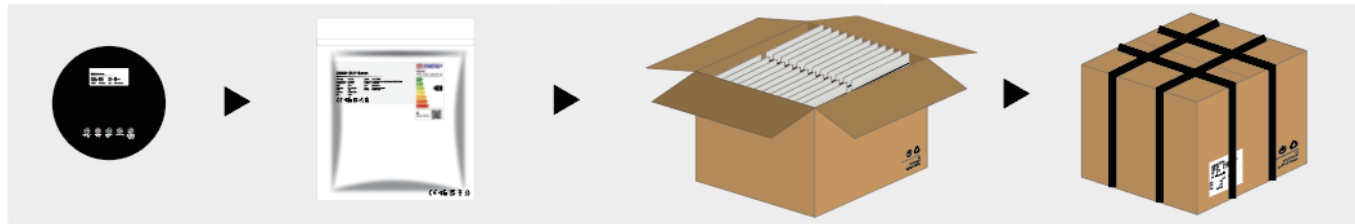
| Name | Picture | Code | coding | description |
|-----------------------------|---|------|--------------|--|
| Connector for wire and FPC |  | / | CXB205-DFTA | 2PIN,wire to board(without wire),suitable for 5mm single color IP20 strips |
| Connector for FPC and FPC |  | / | CBB205-DFTA | 2PIN,board 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.