

PRO Series Specification

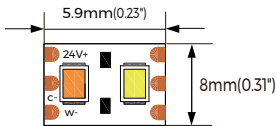
C8168SWW

24V-8mm



【General description】

- Free cutting and connecting by soldering-free connectors
- Tunable white with high lumen
- Mini cut unit up to 5.92mm
- Parameter matches with traditional ones,better for stock management
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C(max)



【Dimension】

Input voltage: DC24V

CRI: 90

Max.power: 19.8W(1m)

Power range: 16.2~19.8W(1m)

Rated current: 0.92A(1m)

Typical Power: 18W(1m)

tape IP: IP20/IP65/IP67

On-off times: 10000 (test times)

Warranty: 5years

Max.length: 5000mm(16.4')

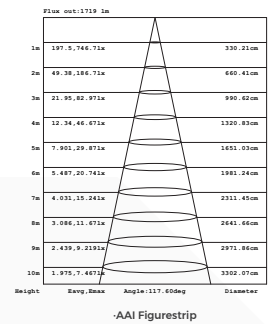
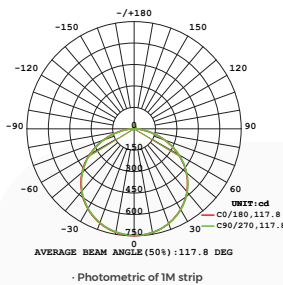
Cutting unit: 2leds/5.9mm(0.23")

LED pitch: 5.95mm(0.23")

Min. bend diameter: Φ 60mm(2.36")

Mounting: 3M tape

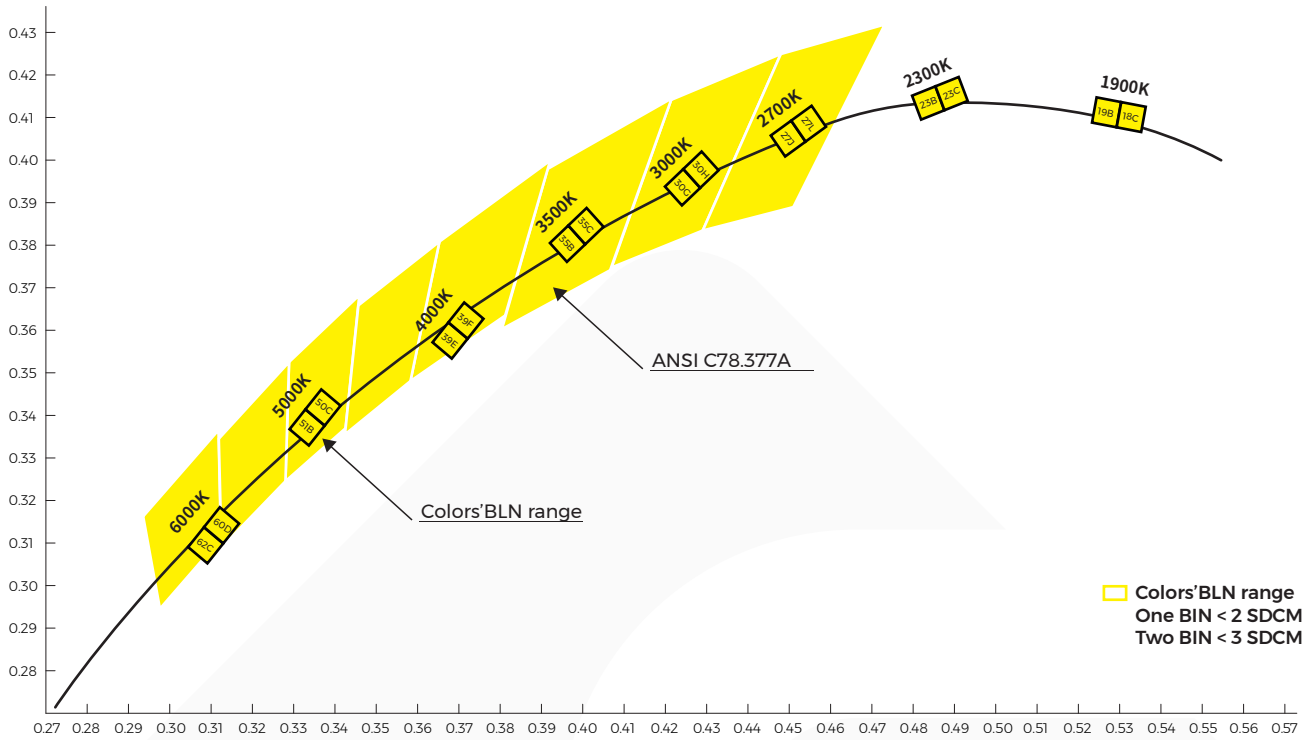
Copper foil: 3oz







【Photo-electric Parameters】

| CRI | Color | CCT | Lumen(lm/m) | Lumen(lm/ft) | lm/W | ErP 2019 |
|-------|-------|------------|-------------|--------------|------|----------|
| Ra>90 | SW | 2700K | 1245 | 379 | 130 | E |
| Ra>90 | W | 6000K | 1220 | 371 | 129 | E |
| Ra>90 | SWW | 2700+6000K | 2300 | 701 | 130 | E |



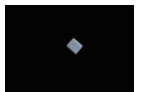
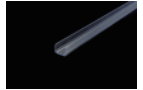

- 1.The tolerance of output data can be vary up to 15%.
- 2.the output data tested according to IES TM-30-15.
- 3.the output data is based on IP20/lmerter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.



【Electronic & output data】

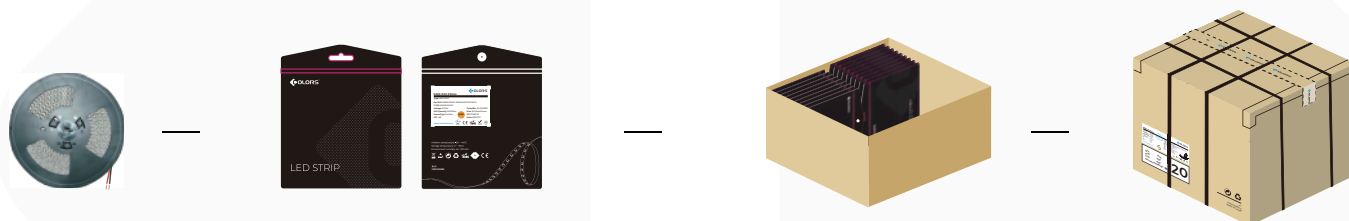
| IP Process | Picture | Picture description | Size | optional CCT/color for finished product | lumen output rate |
|------------|--|---------------------|------------|---|-------------------|
| NO |  NO/IP20 | No proof | 8mm*1.5mm | 2700K+6000K | 100% |
| NA |  NANO/IP65 | Nano-proof | 8mm*1.6mm | 2700K+6000K | 98% |
| ET |  ET/IP67 | Extrusion tube | 10mm*4.8mm | 2700K+6000K | 88% |
| ETS |  ETS/IP65 | Extrusion tube | 10mm*4.8mm | 2700K+6000K | 88% |

【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 |
| 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 |

【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*1.6 | 5 | 250 | 0.164 | 8.2 | 9.43 | 41*41*26 |
| ET | 5000*10*4.8 | 5 | 200 | 0.511 | 20.44 | 23.506 | 41*41*26 |
| ETS | 5000*10*4.8 | 5 | 200 | 0.5 | 20 | 23 | 41*41*26 |

Remark: data with 10% tolerance

· Engineering packaging of ET(IP67)

(free-soldering end caps with 40 cover per box could be ordered separately if needed)



· 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 |
| ET | 50000*10*4.8 | 50 | 100 | 5.21 | 10.42 | 11.983 | 25.5*25.5*26 |
| ETS | 50000*10*4.8 | 50 | 100 | 5.21 | 10.42 | 11.983 | 25.5*25.5*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.