

PRO Series Specification

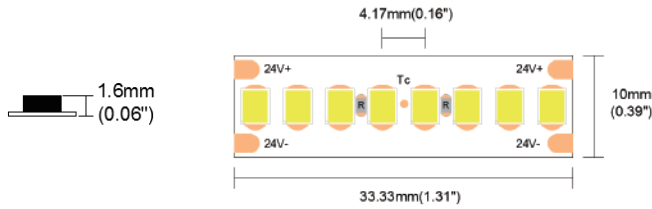
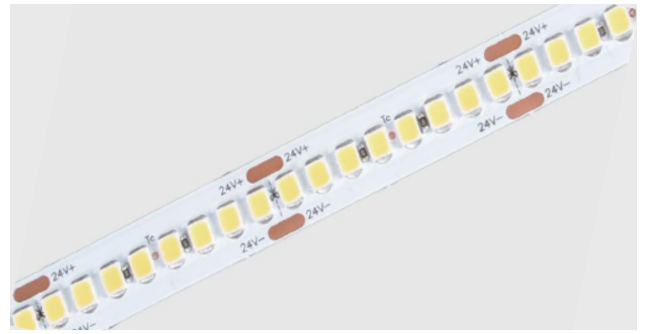
D8240

24V-10mm



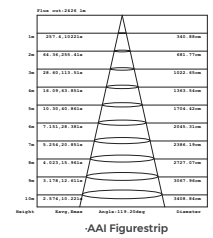
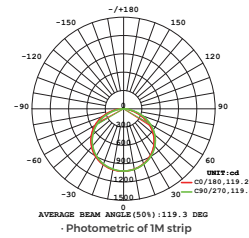
【General description】

- Luminance efficiency up to 150LM/W
- Self-encapsulated design offers eight optional 1900-6000K white lights
- With life span over 60000H
- Ta: -25-40°C; Tc: 75°C (max)



【Dimension】

- | | |
|------------------------------------|--|
| Input voltage: DC24V | Max.length: 5000mm(16.4') |
| CRI: 80/90/95 | Cutting unit: 8leds/33.33mm(1.31") |
| Max.power: 22W(1m) | LED pitch: 4.17mm(0.16") |
| Power range: 18~22W(1m) | Min. bend diameter: Φ 60mm(2.36") |
| Rated current: 0.83A(1m) /3.5A(5m) | Mounting: 3M tape |
| Typical Power: 20W(1m) /84W(5m) | Copper foil: 3oz |
| tape IP: IP20/IP65 | |
| On-off times: 10000 (test times) | |
| Warranty: 5years | |

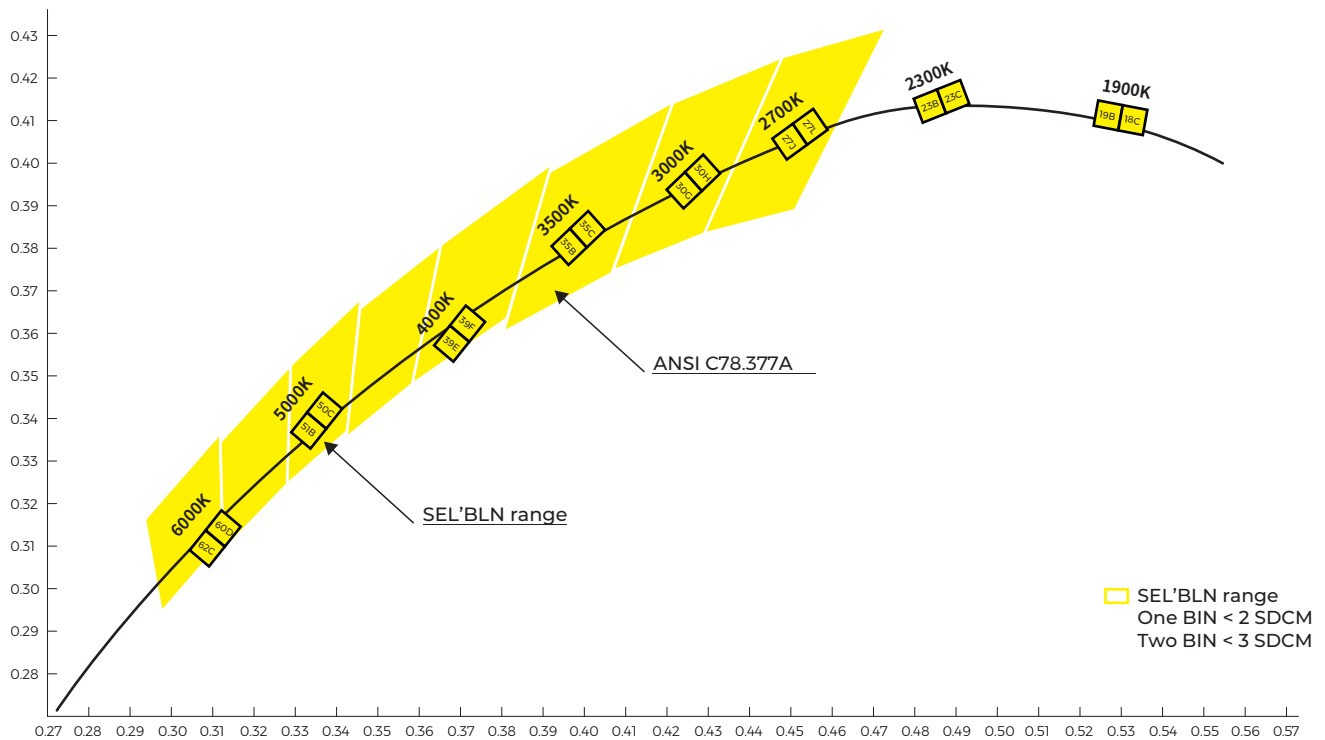


【Photo-electric Parameters】


| CRI | Color | CCT | Lumen(lm/m) | Lumen(lm/ft) | lm/W | ErP 2019 |
|-------|-------|-------|-------------|--------------|------|----------|
| Ra>80 | CW | 1900K | 2280 | 695 | 114 | E |
| Ra>80 | LW | 2300K | 2530 | 770 | 127 | E |
| Ra>80 | SW | 2700K | 2735 | 830 | 137 | E |
| Ra>80 | WW | 3000K | 2880 | 875 | 144 | D |
| Ra>80 | PW | 3500K | 2925 | 890 | 146 | D |
| Ra>80 | NW | 4000K | 3000 | 910 | 150 | D |
| Ra>80 | DW | 5000K | 3000 | 910 | 150 | D |
| Ra>80 | W | 6000K | 2880 | 875 | 144 | D |
| Ra>90 | CW | 1900K | 1880 | 570 | 94 | / |
| Ra>90 | LW | 2300K | 2090 | 635 | 105 | F |
| Ra>90 | SW | 2700K | 2260 | 685 | 113 | F |
| Ra>90 | WW | 3000K | 2380 | 725 | 119 | E |
| Ra>90 | PW | 3500K | 2420 | 735 | 121 | E |
| Ra>90 | NW | 4000K | 2480 | 755 | 124 | E |
| Ra>90 | DW | 5000K | 2480 | 755 | 124 | E |
| Ra>90 | W | 6000K | 2380 | 725 | 119 | E |

| CRI | Color | CCT | Lumen(lm/m) | Lumen(lm/ft) | lm/W | ErP 2019 |
|-------|-------|-------|-------------|--------------|------|----------|
| Ra>95 | GW | 1900K | 1865 | 565 | 93 | F |
| Ra>95 | LW | 2300K | 2075 | 630 | 104 | F |
| Ra>95 | SW | 2700K | 2240 | 680 | 112 | F |
| Ra>95 | WW | 3000K | 2360 | 715 | 118 | F |
| Ra>95 | PW | 3500K | 2400 | 730 | 120 | E |
| Ra>95 | NW | 4000K | 2460 | 750 | 123 | E |
| Ra>95 | DW | 5000K | 2460 | 750 | 123 | E |
| Ra>0 | C | 525nm | 1800 | 545 | 90 | / |
| Ra>0 | B | 470nm | 400 | 120 | 20 | / |

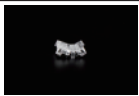



- 1.The tolerance of output data can be vary up to 15%.
- 2.the output data tested according to IES TM-30-15.
- 3.the output data is based on IP20/1merter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.



【Electronic & output data】

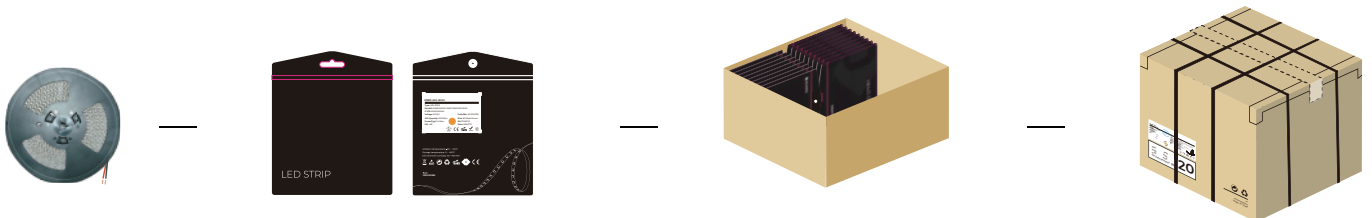
| IP Process | Picture | Picture description | Size | optional CCT/color for finished product | lumen output rate |
|------------|---|---------------------|------------|--|-------------------|
| NO |  | No proof | 10mm*1.6mm | 1900K/2300K/2700K/3000K/3500K/ 4000K/5000K/6000K/ G/B | 100% |
| NA |  | Nano-proof | 10mm*1.7mm | 1900K/2300K/2700K/3000K/3500K/ 4000K/5000K/6000K/ G/B | 98% |

【Accessories Information】

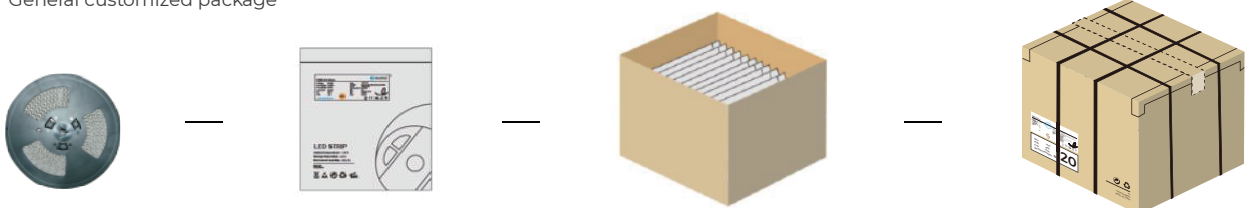
| Name | Picture | Code | coding | description |
|----------------------------|---|---------------------|----------------|---|
| Connector for wire and FPC |  | 94-03-00-0037 | TXB210-NOGA | 10mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire18- 22AWG |
| Connector for FPC and FPC |  | 94-42-621020004 | TBB210-NOGA | 10mm width, 2PIN connector of FPC and FPC, suitable for white color strip,NO/NA |
| Slim connector |  | 81-01-000000-000065 | TBB210-NOTA | Suitable for 10mm board width, IP20, 2PIN board-to-board solderless terminal |
| Slim connector |  | 81-01-000000-000067 | TXB210-NOTA012 | Suitable for 10mm board width, IP20, 2PIN wire- to-board solderless terminal |

【Packing】

SEL brand package



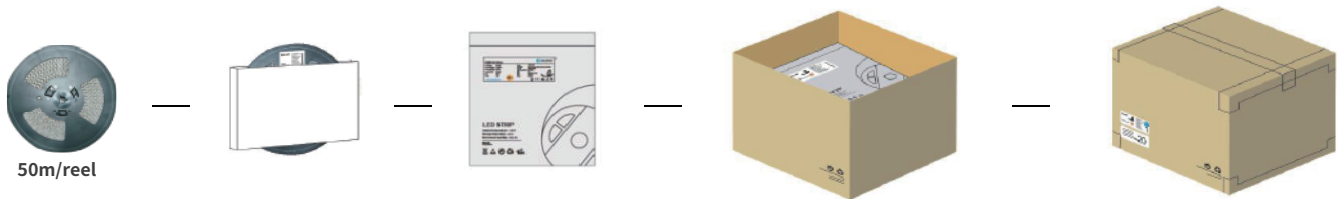
General customized package



| 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*10*1.6 | 5 | 300 | 0.14 | 8.4 | 9.66 | 41*41*26 |
| NA | 5000*10*1.7 | 5 | 300 | 0.143 | 8.58 | 9.867 | 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*10*1.6 | 50 | 650 | 1.4 | 18.2 | 20.93 | 41*41*26 |
| NA | 50000*10*1.7 | 50 | 650 | 1.43 | 18.59 | 21.378 | 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.