

Specification

D8128-24V-8mm



▼ General description

- Luminance efficiency up to 159LM/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

※Max.length: 5000mm

Cutting unit: 8leds/62.5mm

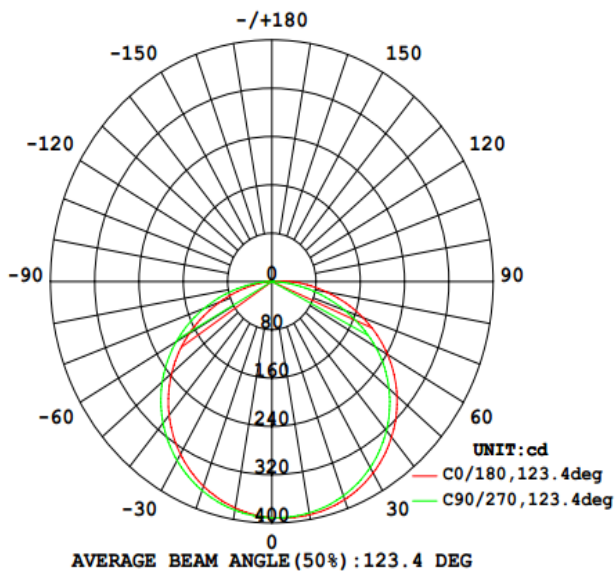
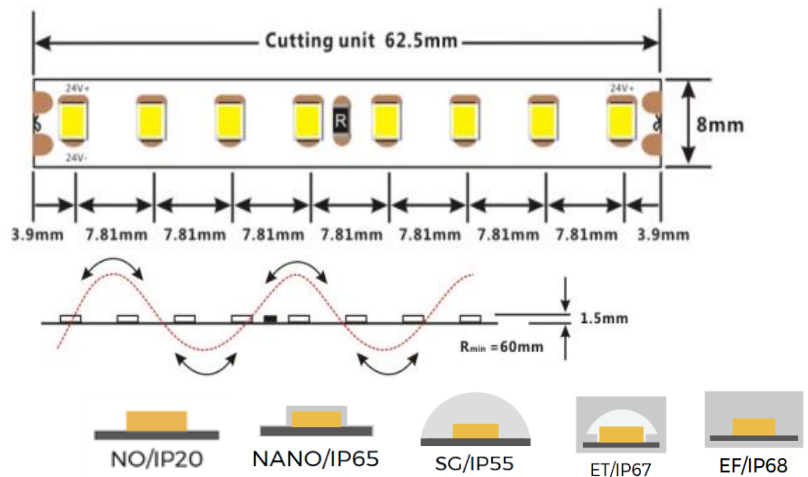
LED pitch: 7.81mm

Min. bend diameter: Φ60mm

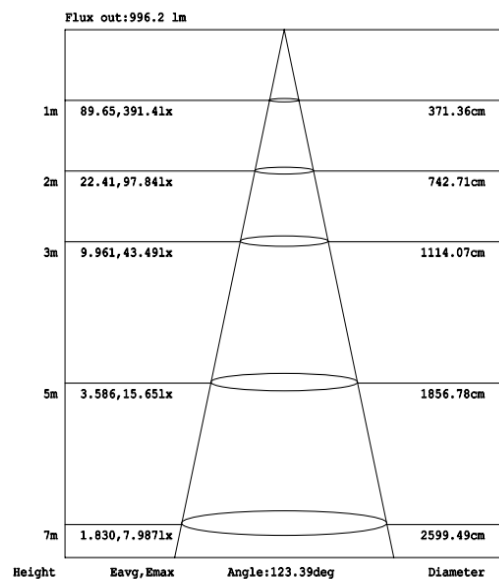
Mounting: 3M tape

IP: IP20/IP55/IP67/IP68

※Warranty: 5years



Photometric of 1M strip



AAI Figure

※Max.length data is based on 10% voltage drop

※Warranty is based on indoor use

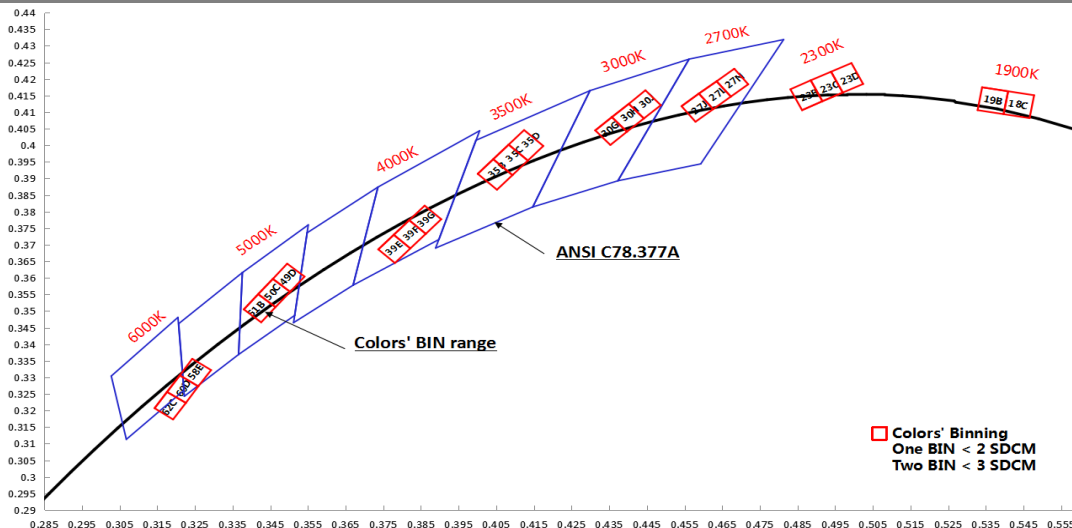
▼ Electronic & output data

| | |
|-----------------------------------|--------------------------------------|
| Input voltage: DC24V | Rated current: 0.363A(1m) /1.56A(5m) |
| Typical Powe: 8.7W(1m) /37.4W(5m) | CRI: >80/95/98 |
| Max.power: 9.6W | On-off times: 10000 (test times) |
| Power range: 7.8~9.6W | Copper foil: 2oz |





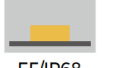
| CRI | Color | CCT | Lumen(lm) | lm/W | Energy efficiency class |
|-------|-------|-----------|-----------|------|-------------------------|
| Ra>80 | GW | 1900K | 1071 | 123 | A+ |
| Ra>80 | LW | 2300K | 1190 | 137 | A++ |
| Ra>80 | SW | 2700K | 1273 | 146 | A++ |
| Ra>80 | WW | 3000K | 1342 | 154 | A++ |
| Ra>80 | PW | 3500K | 1342 | 154 | A++ |
| Ra>80 | NW | 4000K | 1383 | 159 | A++ |
| Ra>80 | DW | 5000K | 1383 | 159 | A++ |
| Ra>80 | W | 6000K | 1342 | 154 | A++ |
| Ra>95 | SW | 2700K | 940 | 108 | A++ |
| Ra>95 | WW | 3000K | 1022 | 118 | A++ |
| Ra>95 | PW | 3500K | 1124 | 129 | A++ |
| Ra>95 | NW | 4000K | 1124 | 129 | A++ |
| Ra>98 | SW | 2700K | 850 | 91 | A+ |
| Ra>98 | WW | 3000K | 870 | 94 | A+ |
| Ra>98 | NW | 4000K | 930 | 100 | A+ |
| 0 | G | 525~530nm | / | / | / |
| 0 | B | 465~470nm | / | / | / |

- 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

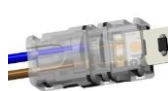








▼ BIN






▼ IP Process

| IP Process | Picture | description | Size | optional CCT/color for finished product | lumen output rate |
|------------|--|-------------------|------------|---|-------------------|
| NO |  NO/IP20 | No proof | 8mm*1.5mm | 1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B | 100% |
| NA |  NANO/IP65 | Nano-proof | 8mm*1.5mm | 1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B | 98% |
| SG |  SG/IP55 | Gel coating | 8mm*2.7mm | 2300K/3000K/3500K/4000K/6000K/10000K/15000K/G/B | 90% |
| ET |  ET/IP67 | Extrusion tube | 10mm*4.8mm | 1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B | 88% |
| EF |  EF/IP68 | Extrusion filling | 10mm*5mm | 2300K/2900K/3400K/3850K/5800K/8750K/15000K/G/B | 86% |

▼ Accessories Information

| Name | Picture | Code | description |
|----------------------------|---|-----------------|--|
| Connector for wire and FPC |  | 94-42-620800001 | 8mm width, 2PIN connector of wire and FPC,suitable for white color strip, NO/NA,2PIN wire18- 22AWG |
| Connector for FPC and FPC |  | 94-42-620800002 | 8mm width, 2PIN connector of FPC and FPC,suitable for white color strip,NO/NA |
| Connector for wire and FPC |  | 94-03-00-0044 | 8mm width, 2PIN connector of wire and FPC,suitable for white color and gel coating strip,SG,2PIN wire18- 22AWG |
| Connector for FPC and FPC |  | 94-03-00-0048 | 8mm width, 2PIN connector of FPC and FPC,suitable for white color and gel coating strip,SG |
| Slim connector |  | 94-03-00-0065 | TSC-08-2, suitable for 8mm fpc to fpc connection , IP20, 2pin, 10pcs per bag |
| FPC with wire |  | 94-03-00-0066 | wire connection when using together with TSC-08-2,IP20,2PIN, 10PCS per bag |
| Fixed Clip |  | 94-02-00-0002 | Silicone clip, screw: PA 3*8mm, suitable for 8mm FPC,EH/EF/ET strip |
| Fixed Clip |  | 94-02-00-0017 | Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 8mm FPC,NO/NA LED strip |
| Fixed Clip |  | 94-02-00-0015 | Fixed clip, transparent, 3*8mm self-tapping screws,suitable for 8mm FPC,SG LED strip |

| | | | |
|----------------------|---|----------------|--|
| Silicone end cap set |  | 94-02-00-0021 | including end cap and plug,suitable for 8mm FPC,EH/ET/EF silicone extrusion strip |
| Mounting groove |  | 94-02-00-0024 | Transparent PVC mounting groove,suitable for 8mm FPC,silicone extruded EF/ET strip |
| Stopper glue |  | 94-16-03010001 | Silicone gel,suitable for ST/ET/EH/EF/SF waterproof LED strip |

▼ Order Code Formats

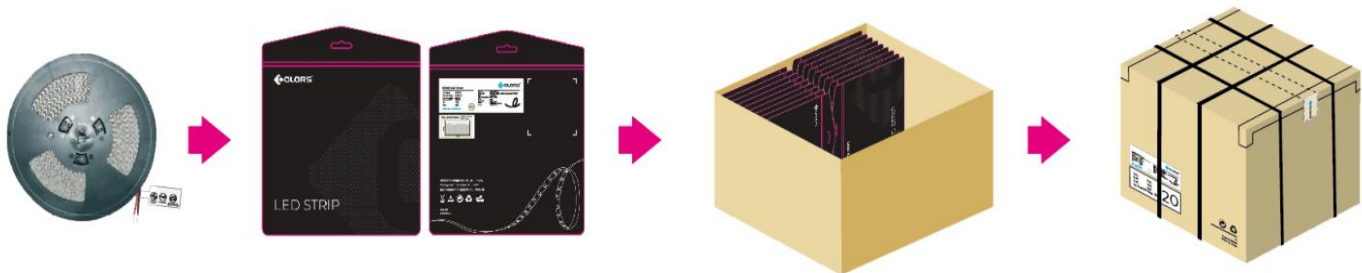
| 1: Category | | 2: LED | | 3: LED/m | | 4: Voltage | | 5:FPC Width | | 6: IP Process | | 7: CRI | | 8: CCT | |
|-------------|---|--------|------|----------|---------|------------|-----|-------------|-----|---------------|-------------------|--------|------|--------|-------|
| D | - | 8 | 2835 | 128 | 128 LED | 24 | 24V | 08 | 8mm | NO | NO | 8 | > 80 | GW | 1900K |
| | | | | | | | | | | NA | NANO | H | > 95 | LW | 2300K |
| | | | | | | | | | | SG | Gel coating | F | > 98 | SW | 2700K |
| | | | | | | | | | | ET | Extrusion tube | 0 | 0 | WW | 3000K |
| | | | | | | | | | | EF | Extrusion filling | | | PW | 3500K |
| | | | | | | | | | | | | | | NW | 4000K |
| | | | | | | | | | | | | | | DW | 5000K |
| | | | | | | | | | | | | | | W | 6000K |
| | | | | | | | | | | | | | | G | Green |
| | | | | | | | | | | | | | | B | Blue |
| D | - | 8 | | 128 | | 24 | | 08 | | NO | | 8 | | GW | |

| 9: Silk Printing | | 10: Entry cable | | 11: Wire type | | 12: Wire length | | 13: Tape type | | 14: Label Type | | 15: Strip Length | |
|------------------|------------|-----------------|---------|---------------|---------------------|-----------------|---------|---------------|-----------|----------------|------------|------------------|-----|
| N | Neutral | S | Single | A | red and black cable | 012 | 12cm | W | White 3M | C | COLORS | 0500 | 5m |
| C | COLORS | D | Doubel | B | SM-male wire | 020 | 20cm | Y | Yellow 3M | S | Customized | 5000 | 50m |
| S | Customized | X | Nothing | C | SM-female wire | 050 | 50cm | R | Red tape | | | 4000 | 40m |
| | | | | X | Nothing | 100 | 100cm | X | Nothing | | | | |
| | | | | | | 0 | Nothing | | | | | | |
| N | | S | | A | | 012 | | W | | C | | 0500 | |

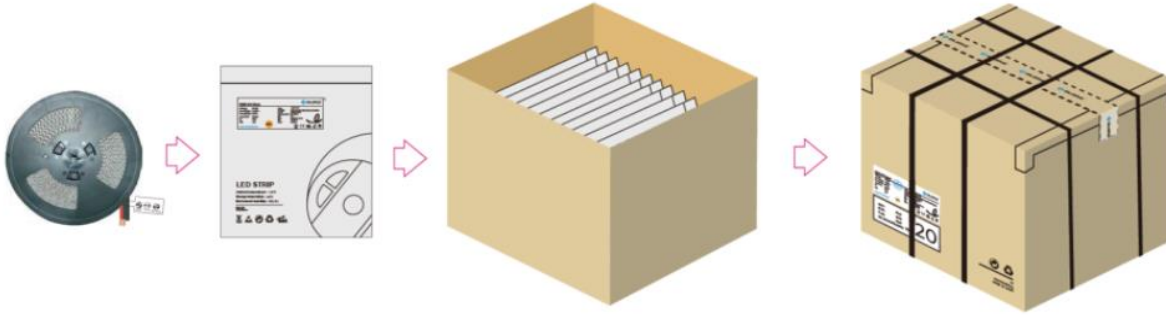
D81282408NO-8GWNSA012WC0500

▼ Packing

Colors brand package



General customized package

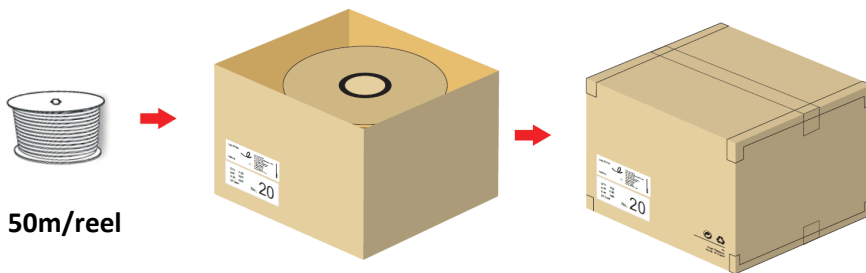


| IP Process | Product size(mm) | Product quantity (m/reel) | Product quantity (m/case) | Product net weight(kg) | Net weight per box (kg) | Gross weight (kg) | Package size (cm) |
|------------|------------------|---------------------------|---------------------------|------------------------|-------------------------|-------------------|-------------------|
| NO | 5000*8*1.5 | 5 | 300 | 0.134 | 8.04 | 9.246 | 41*41*26 |
| NA | 5000*8*1.6 | 5 | 300 | 0.137 | 8.22 | 9.453 | 41*41*26 |
| SG | 5000*8*2.8 | 5 | 300 | 0.222 | 13.32 | 15.318 | 41*41*26 |
| ET | 5000*10*4.8 | 5 | 200 | 0.459 | 18.36 | 21.114 | 41*41*26 |
| EF | 5000*10*5 | 5 | 200 | 0.505 | 20.2 | 23.23 | 41*41*26 |

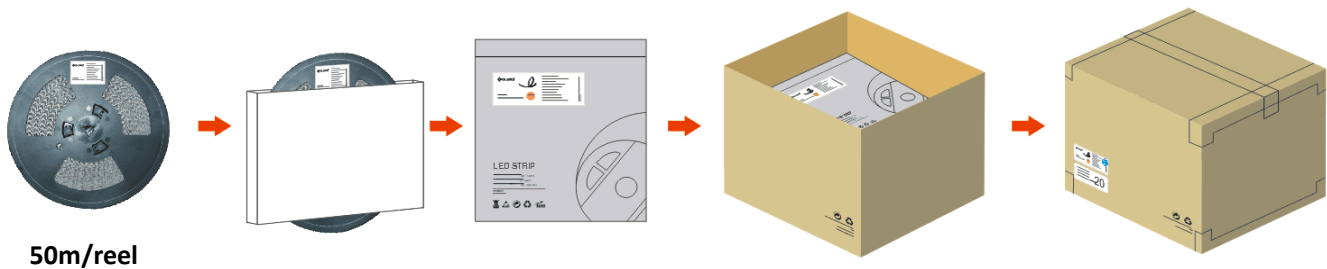
Remark: data with 10% tolerance

Engineering packaging of ET(IP67)/EF(IP68)

(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 | 650 | 1.34 | 17.42 | 20.033 | 41*41*26 |
| NA | 50000*8*1.6 | 50 | 650 | 1.37 | 17.81 | 20.48 | 41*41*26 |
| ET | 50000*10*4.8 | 50 | 100 | 4.68 | 9.36 | 10.764 | 25.5*25.5*26 |
| EF | 50000*10*5 | 50 | 100 | 5.15 | 10.3 | 11.845 | 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).