

ECO Series

Specification

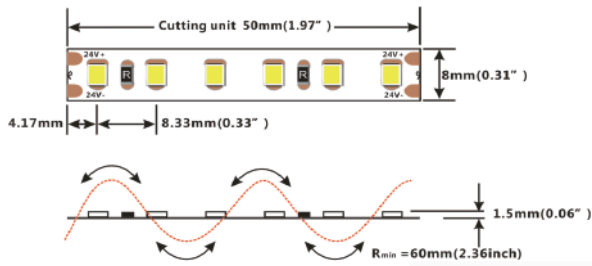
DJ120

24V-8mm



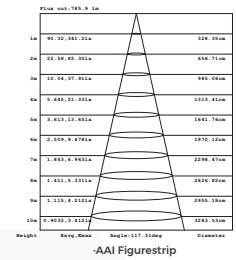
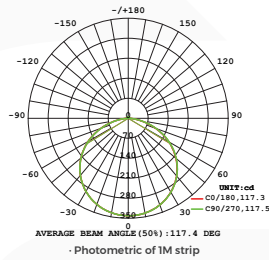
【General description】

- Reel without soldering joint, high cost effective
- IP20/IP65 applied
- Life longer than 36000H, Ta: -25~40°C; Tc: 75°C (max)
- UL/UACK/CE/ROHS/REACH certification



【Dimension】

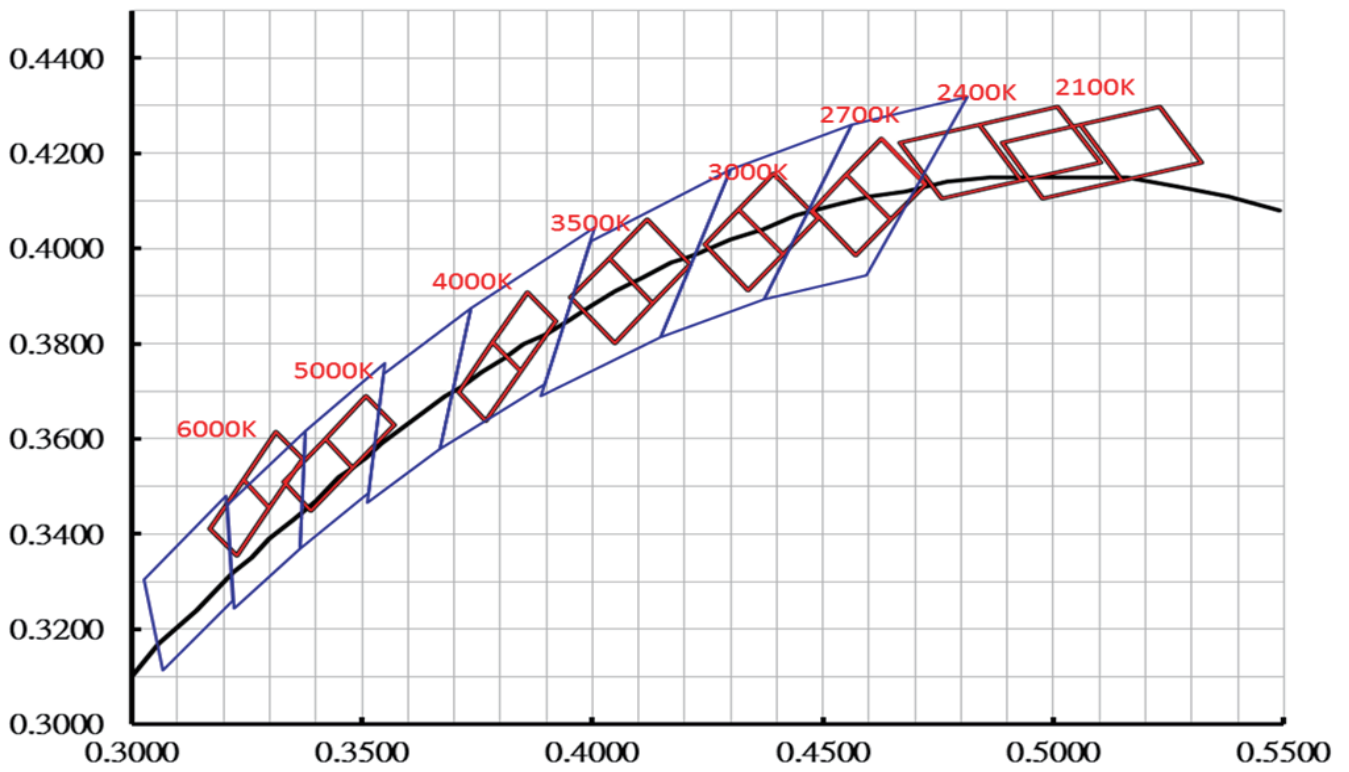
| | |
|--|----------------------------------|
| Input voltage: DC24V | Max.length: 5000mm(16.4') |
| CRI: 80 | Cutting unit: 6leds/50mm(1.97") |
| Max.power: 9.6W(1m) | LED pitch: 8.33mm(0.33") |
| Power range: 8~9.6W(1m) | Min. bend diameter: Φ60mm(2.36") |
| Rated current: 0.37A(1m) /1.79A(5m) | Mounting: 3M tape |
| Typical Power: 8.8W(1m) /43W(5m) | Copper foil: 2oz |
| tape IP: IP20/IP65 | |
| On-off times: 10000 (test times) | |
| Warranty: 3 years indoors / 2 years outdoors | |



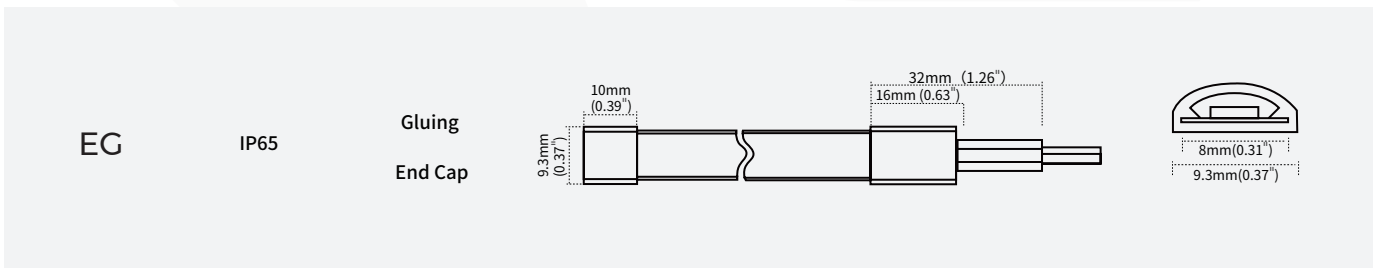
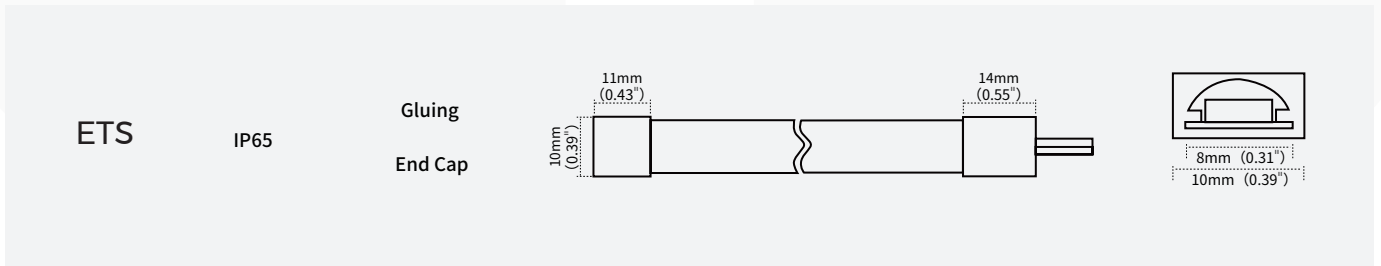
【Photo-electric Parameters】

| CRI | Color | CCT | Lumen(lm/m) | Lumen(lm/ft) | lm/W | ErP 2019 |
|-------|-------|-------|-------------|--------------|------|----------|
| Ra>80 | SW | 2700K | 900 | 270 | 93 | F |
| Ra>80 | WW | 3000K | 960 | 290 | 100 | F |
| Ra>80 | PW | 3500K | 955 | 290 | 99 | F |
| Ra>80 | NW | 4000K | 1040 | 315 | 112 | F |
| Ra>80 | W | 6500K | 1000 | 300 | 104 | F |
| Ra>90 | SW | 2700K | 750 | 228 | 89 | F |
| Ra>90 | WW | 3000K | 825 | 251 | 97 | F |
| Ra>90 | PW | 3500K | 815 | 248 | 98 | F |
| Ra>90 | NW | 4000K | 840 | 256 | 98 | F |
| Ra>90 | W | 6500K | 830 | 253 | 100 | F |





- 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 IP20/1mterter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.



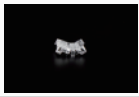



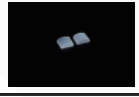
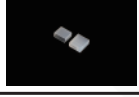





【IP process information】



【Electronic & output data】

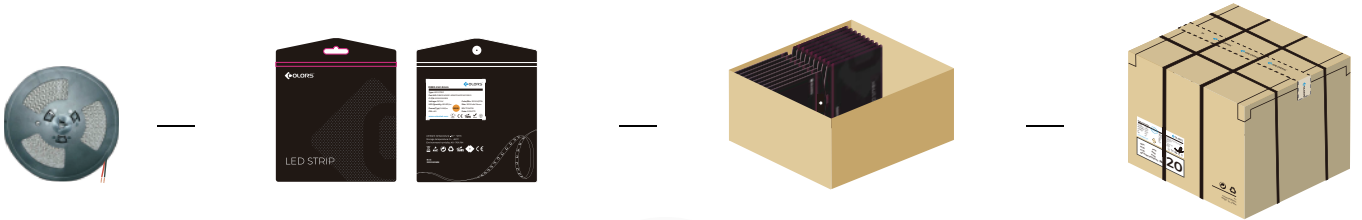
| IP Process | Picture | Picture description | Size | optional CCT/color for finished product | lumen output rate |
|------------|---|-----------------------|-------------|---|-------------------|
| NO |  NO/IP20 | No proof | 8mm*1.5mm | 2700K/3000K/4000K/6000K | 100% |
| NA |  NANO/IP65 | Nano-proof | 8mm*1.6mm | 2700K/3000K/4000K/6000K | 98% |
| ETS |  ETS/IP65 | Extrusion tube | 10mm*4.8mm | 2700K/3000K/4000K/6000K | 88% |
| EG |  EG/IP65 | Extrusion curved tube | 9.3mm*3.8mm | 2700K/3000K/4000K/6000K | 88% |

【Accessories Information】

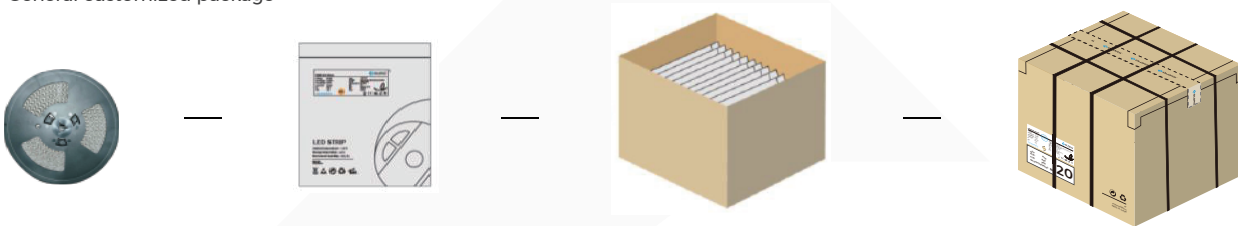
| Name | Picture | Code | coding | description |
|----------------------------|---|-----------------|------------------|--|
| Connector for wire and FPC |  | 94-42-620800001 | TXB208-NOGA | 8mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire18- 22AWG |
| Connector for FPC and FPC |  | 94-42-620800002 | TBB208-NOGA | 8mm width, 2PIN connector of FPC and FPC, suitable for white color strip,NO/NA |
| Fixed Clip |  | 94-02-00-0002 | FSW08SA | Silicone clip, screw: PA 3*8mm, suitable for 8mm FPC,EF/ET strip |
| Gas phase rubber plug |  | 94-02-00-0038 | DT08EG-A | Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with |
| Gas phase gel plugging |  | 94-02-00-0039 | DW08EG-A | Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with end plug |
| Silicone end cap set |  | 94-03-00-0069 | TW08ETS-A | Suitable for 8mm board width, ETS 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 |
| ET solderless plug |  | 94-03-00-0027 | PT208-ETWA | Monochromatic light strip, 8mm board width, ETS protection technology |
| ET press-fit terminals |  | 94-03-00-0028 | CBX208-ETWA020 | Monochromatic light strip, 8mm board width, ETS protection technology |
| ET press-fit terminal kit |  | 94-03-00-0029 | STBX208-ETWA020 | Monochromatic light strip, 8mm board width, ETS protection technology |

[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 (mm) |
|------------|------------------|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|
| NO | 5000*8*1.5 | 5 | 300 | 0.11 | 6.6 | 7.6 | 410*410*260 |
| NA | 5000*8*1.6 | 5 | 300 | 0.115 | 6.9 | 7.935 | 410*410*260 |
| ETS | 5000*10*4.8 | 5 | 200 | 0.42 | 16.9 | 19.3 | 410*410*260 |
| EG | 5000*9.3*3.8 | 5 | 200 | 0.42 | 16.9 | 19.3 | 410*410*260 |

Remark: data with 10% tolerance

· Engineering packaging of ETS(IP65)

(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 (mm) |
|------------|------------------|---------------------------|---------------------------|------------------------|------------------------|------------------|-------------------|
| NO | 50000*8*1.5 | 50 | 650 | 0.92 | 12.1 | 13 | 410*410*260 |
| NA | 50000*8*1.6 | 50 | 650 | 0.97 | 12.6 | 13.6 | 410*410*260 |
| ETS | 50000*10*4.8 | 50 | 100 | 4.5 | 8.5 | 9 | 255*255*260 |
| EG | 50000*9.3*3.8 | 50 | 100 | 4.5 | 8.5 | 9 | 255*255*260 |

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.