

PRO Series

Specification

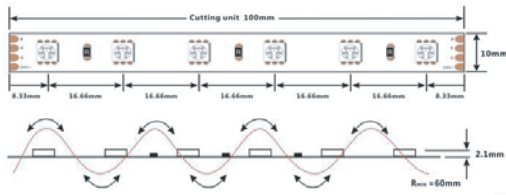
D560RGB

24V-10mm

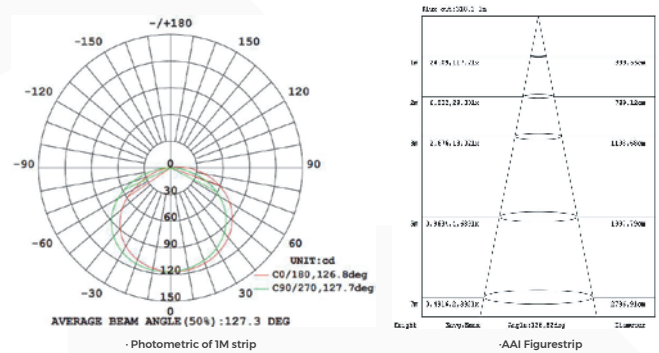


【General description】

- RGB colorful strip
- 5050 LED with broader luminous surface
- Widely adaptable to all types of controllers, Self-encapsulated design
- High quality FPC, high thermal 3M adhesive
- With life span over 60000H
- Ta: -25~40°C; Tc: 75°C (max)

**【Dimension】**

| | |
|-------------------------------------|---------------------------------|
| Input voltage: DC24V | Max.length: 5000mm |
| CRI: >0 | Cutting unit: 6leds/100mm |
| Max.power: 14.4W(1m) | LED pitch: 16.66mm |
| Power range: 11.5 ~14.4W(1m) | Min. bend diameter: Φ 60mm |
| Rated current: 0.52A(1m) /2.22A(5m) | Mounting: 3M tape |
| Typical Power: 12.5W(1m) /53.3W(5m) | Copper foil: 2oz |
| tape IP: IP20/IP65/IP67 | |
| On-off times: 10000 (test times) | |
| Warranty: 5years | |

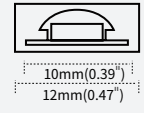
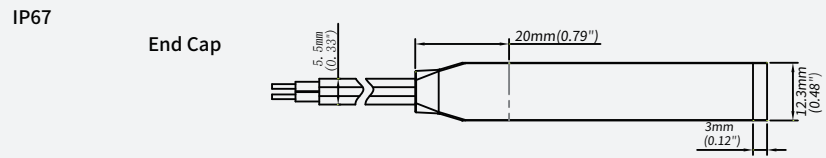
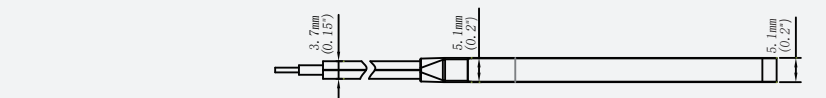
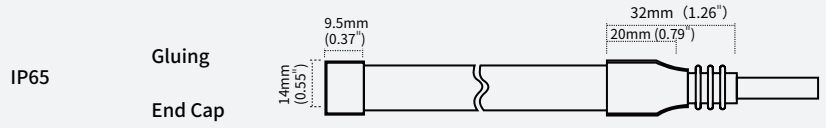
**【Photo-electric Parameters】**

| CRI | Color | Wavelength | Lumen(lm) | lm/W | Energy efficiency class |
|-----|-------|------------|-----------|------|-------------------------|
| 0 | Red | 625 | 108 | / | / |
| 0 | Green | 525 | 279 | / | / |
| 0 | Blue | 470 | 55 | / | / |
| 0 | RGB | / | 416 | / | / |

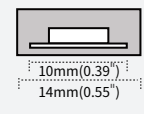
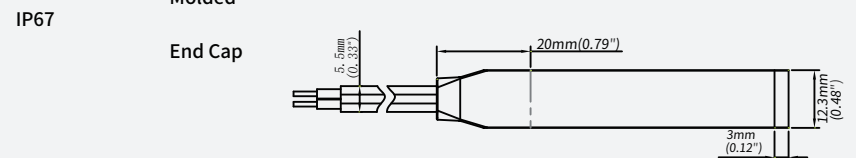
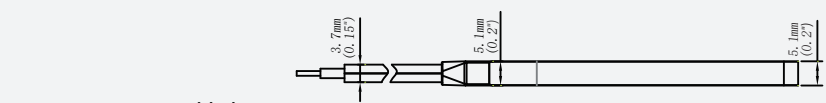
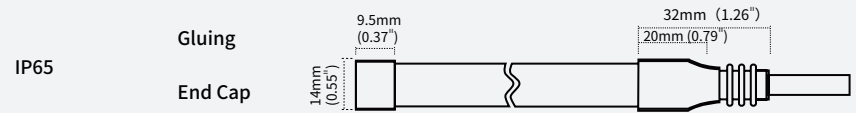
- 1.The tolerance of output data can be vary up to 15%.
- 2.the output data tested according to IES TM-30-15.
- 3.the output data is based on IP20/1merter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.

[IP process information]





ET



EF


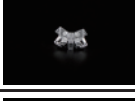









【IP Process Parameters】

| IP Process | Picture | Picture description | Size | optional CCT/color for finished product | lumen output rate |
|------------|---|---------------------|-------------|---|-------------------|
| NO |  | No proof | 10mm*1.5mm | RGB | 100% |
| NA |  | Nano-proof | 10mm*1.6mm | RGB | 98% |
| ET |  | Extrusion tube | 12 mm*4.8mm | RGB | 88% |
| EF |  | Extrusion filling | 12 mm*5mm | RGB | 86% |

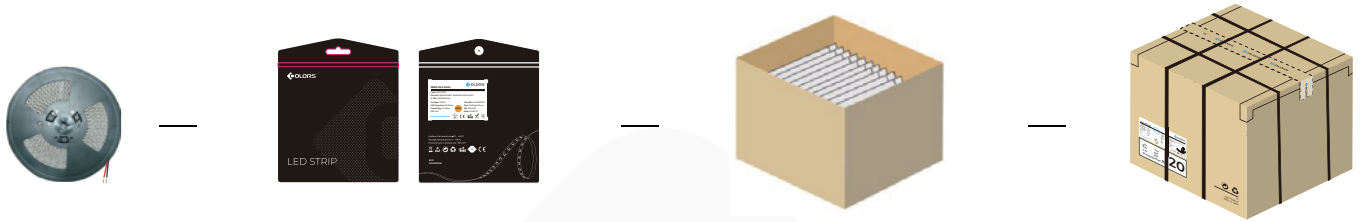
【Accessories Information】

• Connector Accessories

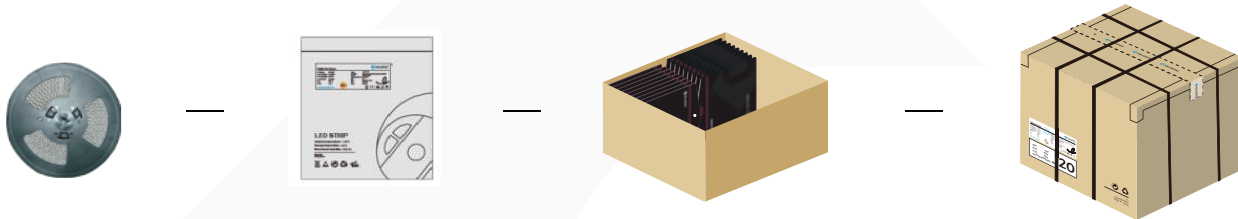
| Name | Picture | Code | coding | description |
|----------------------------|---|---------------------|------------------|---|
| Connector for wire and FPC |  | 94-42-621040001 | TXB410-NOGA | 10mm width, 4PIN connector of wire and FPC, suitable for RGB color strip, NO/NA |
| Connector for FPC and FPC |  | 94-42-621040002 | TBB410-NOGA | 10mm width, 4PIN connector of FPC and FPC, suitable for RGB color strip,NO/NA |
| Fixed Clip |  | 94-02-00-0003 | FSW10SA | Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EF/ET strip |
| Silicone Plug Kit |  | 94-02-00-0046 | DT10EA-A | Silicone plug kit is suitable for 10mm board width, ET/EF series silicone extrusion light strip |
| Silicone stopper kit |  | 94-02-00-0047 | DW10EA-A | Silicone tail plug kit is suitable for 10mm board width, ET/EF series silicone extrusion light strip |
| Mounting groove |  | 94-02-00-0025 | CVT10EA-14100100 | Transparent PVC mounting groove,suitable for 10mm FPC,silicone extruded EF/ET strip |
| Stopper glue |  | 94-16-03010001 | AS-PG-0003 | Silicone gel,suitable for ET/EF/EG waterproof LED strip |
| RGB RF Controller |  | 402-01-000000-00003 | CR3-GBA | Input voltage: 12-48VDC Maximum loaded current: 6A*3CH Max 18A Maximum loaded power: 216W/432W@12V/24V 648W/864W@36V/48V |
| RGB RF Remote |  | 402-02-000000-00003 | CK4-GBA | Working voltage : 3VDC Remote Distance : 30m Output Singal: RF2.4GHz |

【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*10*2.1 | 5 | 250 | 0.15 | 7.5 | 8.625 | 41*41*26 |
| NA | 5000*10*2.1 | 5 | 250 | 0.153 | 7.65 | 8.798 | 41*41*26 |
| ET | 5000*12*4.8 | 5 | 200 | 0.5 | 20 | 23 | 41*41*26 |
| EF | 5000*12*5.0 | 5 | 200 | 0.567 | 22.68 | 26.082 | 41*41*26 |

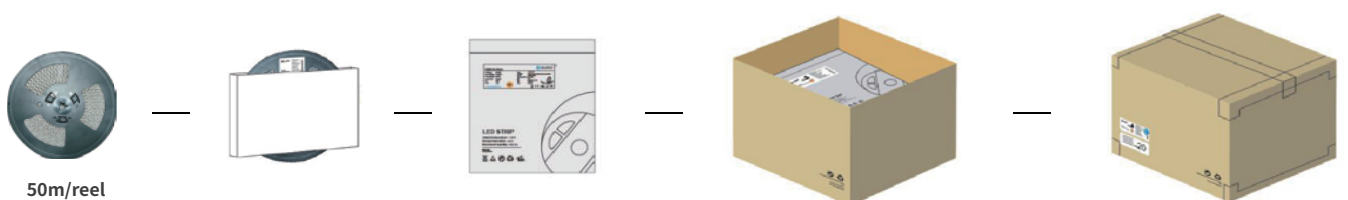
Remark: data with 10% tolerance

· Engineering packaging of ET(IP67)/EF(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 | 5000*10*2.1 | 50 | 500 | 1.5 | 15 | 17.25 | 41*41*26 |
| NA | 5000*10*2.1 | 50 | 500 | 1.53 | 15.3 | 17.595 | 41*41*26 |
| ET | 5000*12*4.8 | 50 | 100 | 5.1 | 10.2 | 11.73 | 25.5*25.5*26 |
| EF | 5000*12*5.0 | 50 | 100 | 5.72 | 11.44 | 13.156 | 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.