# STRIP LED



## LX-ST-DF10-24V-8mm

| IP 20/65/67 | CRI >90 | DC24V |
|---|---|---|

5 GARANTIE · NICHIA · CE · RoHS · 60,000 h

· Light line and dot-free with big emitting angle
· CRI>90,100LM/W,1000LM/M
· Easy installation and maintaining
· 7 optional 2700K/3000K/4000K/6500K/R/G/B
· Rated current：0.42A(1m) 1.8A(5m)
· On-off times: 10000 （test times）
· Max.length： 5000mm(16.4')
· Cutting unit：29.41mm(1.16")
· Min. bend diameter：Φ60mm(2.36")
· Mounting： 3M tape
· Copper foil: 2oz



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# References

| Reference | Typical Power | Max Power | Luminous flux/m | CRI | CCT/K | IP Rating | Dimensions |
|---|---|---|---|---|---|---|---|
| LX-ST-DF10-24V-8mm | 10W/(1m) & 43.2W/(5m) | 11.2W(1m) | 820lm | Ra>90 | 2700K | IP20/IP65/IP67 | 5000*10*1.6mm |
| | | | 900lm | | 3000K | | |
| | | | 980lm | | 4000K | | |
| | | | 1000lm | | 6500K | | |
| | | | 65lm | / | R 620-630nm | | |
| | | | 1190lm | | G 515-520nm | | |
| | | | 85lm | | 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.
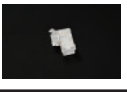4.IP protection process leads changes to size, CCT and luminous flux.

# Dimensions



**Cutting Unit :29.41mm(1.16")**
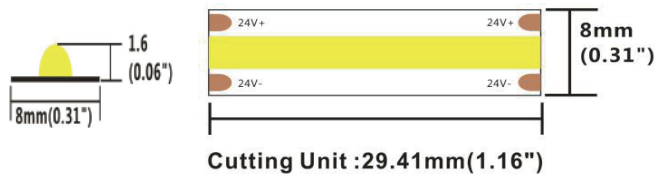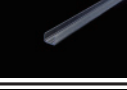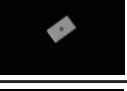
# Electronic & output data

| IP Process | Picture | Picture description | Size | Optional CCT/color for finished product | Lumen output rate |
|---|---|---|---|---|---|
| NO | NO/IP20 | No proof | 10mm*1.6mm | 2700K/3000K/4000K/6500K/R/G/B | 100% |
| NA | NANO/IP65 | Nano-proof | 10mm*1.6mm | 2700K/3000K/4000K/6500K/R/G/B | 98% |
| ET | ET/IP67 | Extrusion tube | 12mm*4.8mm | 2700K/3000K/4000K/6500K/R/G/B | 88% |
| EGR | EGR/IP65 | Milky white all-inclusive hollow arc extrusion | 11.3mm*3.8mm | 2700K/5000K/R/G/B | 80% |

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# IP process information

| Name | Picture | Code | coding | description |
|------|---------|------|--------|-------------|
| Connector for FPC and FPC | | 81-01-000002-000034 | LX-CBB208-NOTA | 8MM-2P solder-free connector (board-to board)\ suitable for bare board 8mm width strip light |
| Connector for wire and FPC | | 81-01-000002-000035 | LX-CXB208-NOTA | 8MM-2P solderless connector(wire to board)\ Compatible with 20&22AWG wire\20#(6A);22#(4A)\ Applicable to bare board 8mm width lamp strip |
| L-connector for FPC and FPC | | 81-01-000002-000052 | LX-CBBL208-NOTA | 8MM-2P solderless (L) connectors (board-to board)\ for bare board 8mm width light strip |
| Fixed Clip | | 94-02-00-0002 | LX-FSW08SA | Silicone clip, screw: PA 3*8mm, suitable for 8mm FPC,EF/ET strip |
| Gas phase rubber plug | | 94-02-00-0038 | LX-DT08EG-A | Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with |
| Gas phase gel plugging | | 94-02-00-0039 | LX-DW08EG-A | Translucent gas phase adhesive plug, suitable for 8mm wide silicone extrusion eg lamp with end plug |
| Silicone Plug Kit | | 94-02-00-0044 | LX-DT08EA-A | Silicone plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip |
| Silicone stopper kit | | 94-02-00-0045 | LX-DW08EA-A | Silicone tail plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip |
| Mounting groove | | 94-02-00-0024 | LX-CVT08EA-12100100 | Transparent PVC mounting groove,suitable for 8mm FPC,silicone extruded EF/ET strip |
| Stopper glue | | 94-16-03010001 | LX-AS-PG-0003 | Silicone gel,suitable for ET/EF/EG waterproof LED strip |
| ET solderless plug | | 94-03-00-0027 | LX-PT208-ETWA | Monochromatic light strip, 8mm board width, ETS protection technology |
| ET press-fit terminals | | 94-03-00-0028 | LX-CBX208-ETWA020 | Monochromatic light strip, 8mm board width, ETS protection technology |
| ET press-fit terminal kit | | 94-03-00-0029 | LX-STBX208-ETWA020 | Monochromatic light strip, 8mm board width, ETS protection technology |

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Outdoor-Indoor/Stripled

# IP process information

**ET**

IP65 — Gluing End Cap

| 9.5mm (0.37") | 12mm (0.47") | 32mm (1.26") 20mm (0.79") |

8mm (0.31")
10mm (0.39")

IP67 — Molded End Cap

3.7mm / 5mm(0.2") / 5mm(0.2")

5.5mm(0.2") / 20mm(0.79") / 10.3mm (0.41") / 3mm(0.12")

**EGR**

IP65 — Gluing End Cap

| 10mm (0.39") | 9.3mm (0.37") | 32mm (1.26") 16mm (0.63") |

8mm(0.31")
9.3mm(0.37")
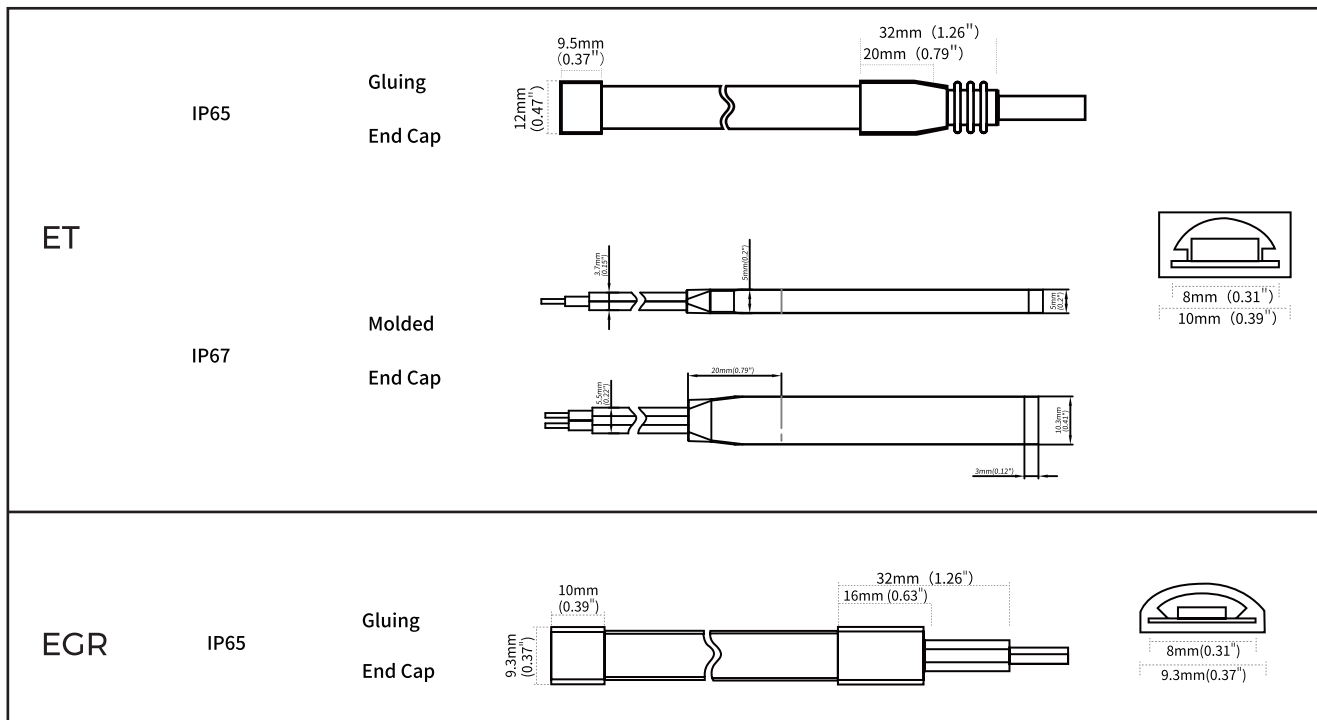
# Precautions

- 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 processof the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.

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