STRIP LED

LX-ST-DF8-48V-10mm

IP	CRI	
20/65/67	>90	DC48V

NICHIA · CE · RoHS · (5 GARANTIE) · (60,000)

· Light line and dot-free with big emitting angle, 15m long strip driven by one end power supply.
· CRI>90,86LM/W@4000K
· suit for furniture lighting and decorative lighting application
· 7 colors optional 2700K/3000K/4000K/6500K/R/G/B)
· Rated current：0.21A(1m) 2.63A(15m)
· On-off times: 10000（test times）
· Max.length：15000mm(49.21')
· Cutting unit：33.3mm(1.31")
· Min. bend diameter：Φ60mm(2.36")
· Mounting： 3M tape
· Copper foil: 3oz

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References

Reference	Typical Power	Max Power	Luminous flux/m	CRI	CCT/K	IP Rating	Dimensions
LX-ST-DF8-48V-10mm	10W/(1m) & 126W/(15m)	11.2W(1m)	790lm	Ra>90	2700K	IP20/IP65/IP67	15000*10*1.6mm
			830lm		3000K		
			860lm		4000K		
			860lm		6500K		
			/	/	R 620-630nm		
			/		G 520-530nm		
			/		B 450-460nm		

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

48V+   48V+
48V-   48V-
10mm (0.39")
1.6 (0.06")
10mm(0.31")
10mm(0.31")
Cutting Unit :33.3mm(1.31")
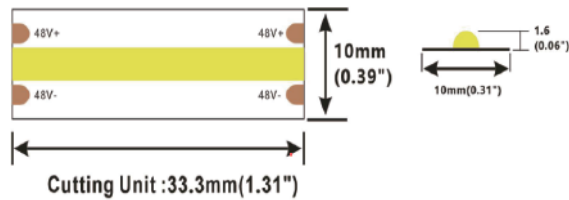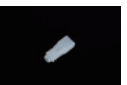
Electronic & output data

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		81-01-000002-000038	LX-CBB210-NOTA	10MM-2P solder-free connector (board-to board)\ suitable for bare board 10mm width strip light
Connector for wire and FPC		81-01-000002-000039	LX-CXB210-NOTA	10MM-2P solderless connector(wire to board)\ Compatible with 20&22AWG wire\20#(6A);22#(4A)\ Applicable to bare board 10mm width lamp strip
L-connector for FPC and FPC		81-01-000002-000053	LX-CBBL210-NOTA	10MM-2P solderless (L) connectors (board-to board)\ for bare board 10mm width light strip
Fixed Clip		94-02-00-0003	LX-FSW10SA	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC,EF/ET strip
Gas phase rubber plug		94-02-00-0040	LX-DT10EG-A	Translucent gas phase adhesive plug, suitable for 10mm wide silicone extrusion eg lamp with plug
Gas phase gel plugging		94-02-00-0041	LX-DW10EG-A	Translucent gas phase adhesive plug, suitable for 10mm wide silicone extrusion eg lamp with end plug
Silicone Plug Kit		94-02-00-0046	LX-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	LX-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	LX-CVT10EA-14100100	Transparent PVC mounting groove,suitable for 10mm 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		94-03-00-0030	LX-PT210-ETWA	Monochromatic light strip, 10mm board width, ET protection technology
ET press-fit terminals		94-03-00-0031	LX-CBX210-ETWA020	Monochromatic light strip, 10mm board width, ET protection technology
ET press-fit terminal kit		94-03-00-0032	LX-STBX210-ETWA020	Monochromatic light strip, 10mm board width, ET protection technology

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IP process information

ET	IP65	Gluing End Cap	9.5mm (0.37") · 14mm (0.55") · 32mm (1.26") 20mm (0.79")	
	IP67	Molded End Cap	3.7mm (0.15") · 5.1mm (0.2") · 5.1mm (0.2") · 5.5mm (0.33") · 20mm (0.79") · 12.3mm (0.48") · 3mm (0.12")	10mm (0.39") 12mm (0.47")
EGR	IP65	Gluing End Cap	10mm (0.39") · 11.3mm (0.44") · 32mm (1.26") 16mm (0.63")	10mm (0.39") 11.3mm (0.44")
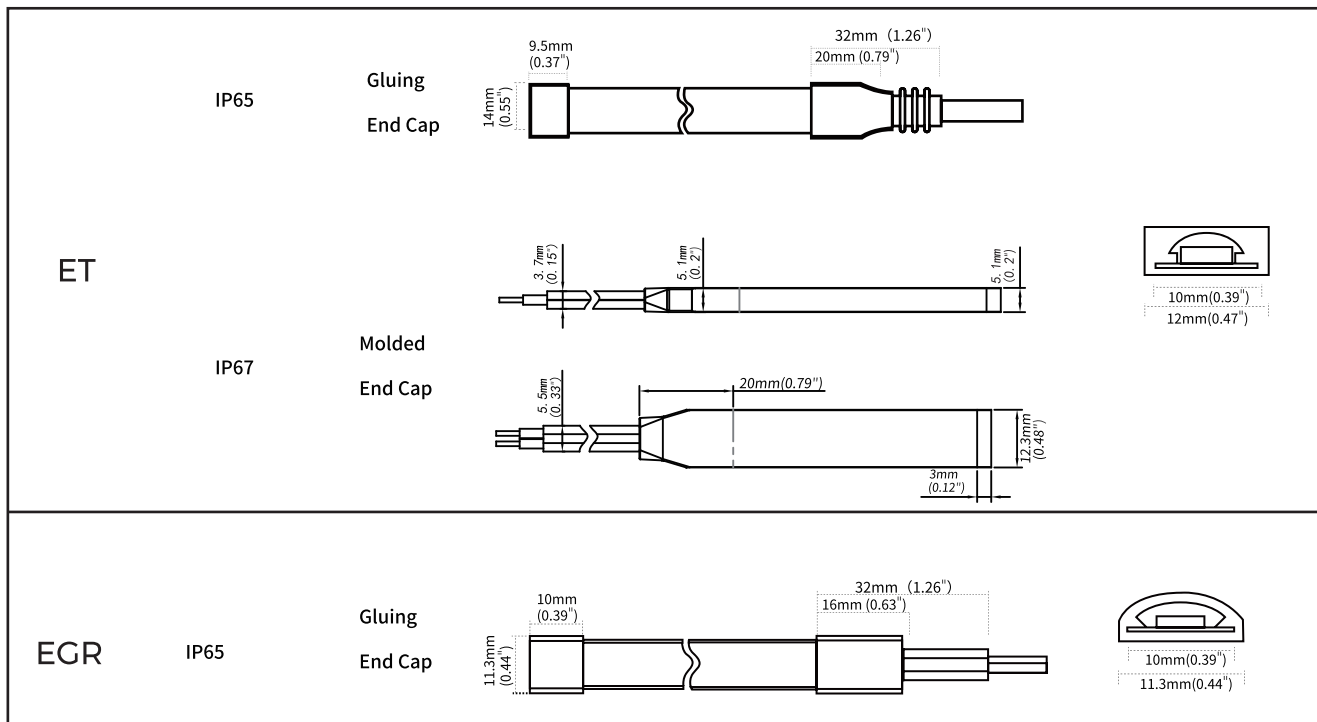
Precautions

- Please drive the led strip with 48VDC 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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