STRIP LED

LX-ST-D8180-24V-10mm

IP	CRI	
20/65/67	>80	DC24V

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· Luminance efficiency Max up to 215LM/W
· Self-encapsulated design offers 4 optional 2700-6500K white lights
· With life span over 60000H
· Ta: -25~40℃；Tc：75℃（max）
· Rated current：0.36A(1m) /1.45A(5m)
· On-off times: 10000（test times）
· Max.length： 5000mm(16.4')
· Cutting unit：9leds/50mm(1.97")
· 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-D8180-24V-10mm	8.7W/(1m) & 34.5W/(5m)	9.6W(1m)	1765lm	Ra>80	2700K	IP20/IP65/IP67	5000*10*1.6mm
			1780lm		3000K		
			1870lm		4000K		
			1740lm		6500K		

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

5.56mm(0.22")
1.6mm (0.06")
10mm (0.39")
50mm(1.97")
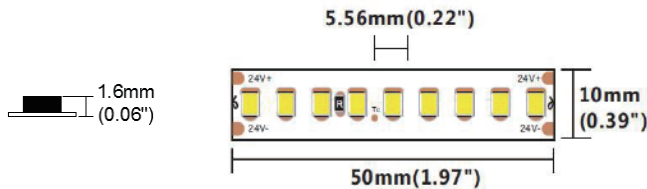
Electronic & output data

IP Process	Picture	Picture description	Size	Optional CCT/color for finished product	Lumen output rate
NO	NO/IP20	No proof	10mm*1.6mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	100%
NA	NANO/IP65	Nano-proof	10mm*1.7mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	98%
ET	ET/IP67	Extrusion tube	12mm*4.8mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	88%
EG	EG/IP65	Extrusion curved tube	11.3mm*3.8mm	1900K/2300K/2700K/3000K/3500K/4000K/5000K/6000K/G/B	88%
EGR	EGR/IP65	Milky white all-inclusive hollow arc extrusion	11.3mm*3.8mm	2300K/2700K/3000K/4000K/G/B	85%
EF	EF/IP67	Extrusion filling	12mm*5mm	2300K/2900K/3400K/3850K/5800K/8750K/15000K/G/B	86%

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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
Protective connector for FPC and FPC		81-01-000002-000056	LX-CBB210-EFWA	10MM-2P protective solderless connector (board to-board)\applicable to 10mm width\ EF lamp strip
Protective connector for FPC and FPC		81-01-000002-000057	LX-CXB210-EFWA	10MM-2P protective solderless connector(wire to board)\20AWG wire(6A)\applicable to 10mm width\EF 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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Outdoor-Indoor/Stripled

IP process information

ET

IP65
Gluing End Cap

9.5mm (0.37")
32mm (1.26")
20mm (0.79")
14mm (0.55")

IP67
Molded End Cap

3.7mm (0.15")
5.1mm (0.2")
5.1mm (0.2")

10mm(0.39")
12mm(0.47")

5.5mm (0.33")
20mm(0.79")
12.3mm (0.48")
3mm (0.12")

EG/EGR

IP65
Gluing End Cap

10mm (0.39")
32mm (1.26")
16mm (0.63")
11.3mm (0.44")

10mm(0.39")
11.3mm(0.44")

EF

IP65
Gluing End Cap

9.5mm (0.37")
32mm (1.26")
20mm (0.79")
14mm (0.55")

IP67
Molded End Cap

3.7mm (0.15")
5.1mm (0.2")
5.1mm (0.2")

10mm(0.39")
14mm(0.55")

5.5mm (0.33")
20mm(0.79")
12.3mm (0.48")
3mm (0.12")

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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: -250°C~400°C

- Storage temperature: 0°C~600°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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