

# STRIP LED



LX-ST-D8160-24V-8mm

<b>IP</b> 20/65/67	<b>CRI</b> >80/90/95	<b>DC24V</b>
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- Luminance efficiency up to 155LM/W
- Self-encapsulated design offers eight optional 1900-6000K white lights
- With life span over 60000H
- Ta: -25~40°C ; Tc : 75°C (max)
- Rated current : 0.54A(1m) /2.4A(5m)
- On-off times: 10000 (test times)
- Max.length : 5000mm(9.84')
- Cutting unit : 8leds/50mm(1.97")
- Min. bend diameter :  $\Phi$ 60mm(2.36")
- Mounting : 3M tape
- Copper foil: 3oz



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L I G H T I N G

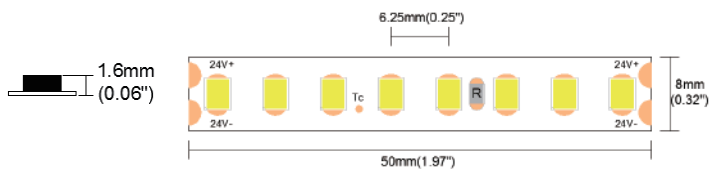
[www.luxio-lighting.com](http://www.luxio-lighting.com)

## References

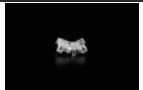











Reference	Typical Power	Max Power	Luminous flux/m	CRI	CCT/K	IP Rating	Dimensions
LX-ST-D8160-24V-8mm	13W/(1m) & 57.6W/(5m)	14.4W(1m)	1530lm	Ra>80	1900K	IP20/IP65/IP67	5000*8*1.6mm
			1700lm		2300K		
			1835lm		2700K		
			1935lm		3000K		
			1965lm		3500K		
			2015lm		4000K		
			2015lm		5000K		
			1935lm		6000K		
			1250lm	Ra>90	1900K		
			1390lm		2300K		
			1505lm		2700K		
			1585lm		3000K		
			1610lm		3500K		
			1650lm		4000K		
			1650lm		5000K		
			1585lm	Ra>95	6000K		
			1225lm		1900K		
			1360lm		2300K		
			1470lm		2700K		
			1545lm		3000K		
			1570lm		3500K		
			1610lm		4000K		
			1610lm	5000K			
			1170lm	Ra>0	G 525nm		
			260lm		B 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 IP20/1 merter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.

## Dimensions







## IP process information

Name	Picture	Code	coding	description
Connector for wire and FPC		94-42-620800001	LX-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	LX-TBB208-NOGA	8mm width, 2PIN connector of FPC and FPC, suitable for white color strip,NO/NA
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

# IP process information

ET	IP65	Gluing End Cap		
	IP67	Molded End Cap		
EG/EGR	IP65	Gluing End Cap		
EF	IP65	Gluing End Cap		
	IP67	Molded End Cap		

## 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	1900K/2300K/2700K/3000K/3500K/ 4000K/5000K/6000K/G/B	100%
NA	 NANO/IP65	Nano-proof	8mm*1.6mm	1900K/2300K/2700K/3000K/3500K/ 4000K/5000K/6000K/G/B	98%
ET	 ET/IP67	Extrusion tube	10mm*4.8mm	1900K/2300K/2700K/3000K/3500K/ 4000K/5000K/6000K/G/B	88%
EG	 EG/IP65	Extrusion curved tube	9.3mm*3.8mm	1900K/2300K/2700K/3000K/3500K/ 4000K/5000K/6000K/G/B	88%
EGR	 EGR/IP65	Milky white all-inclusive hollow arc extrusion	9.3mm*3.8mm	2300K/2700K/3000K/4000K/G/B	85%
EF	 EF/IP67	Extrusion filling	10mm*5mm	2300K/2900K/3400K/3850K/5800K/ 8750K/15000K/G/B	86%

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