STRIP LED

LX-ST-D8160-48V-10mm

IP	CRI	
20/65/67	>80/90	DC48V

5 GARANTIE　CE　RoHS　60,000

· Single-ended power supply for 15m,Consistent luminance
· Provide 2700-6000K 5 kinds of white light optional
· With life span over 60000H
· One stop linear light source solution
· Ta: -25~40°C；Tc：75°C（max）
· Rated current：0.25A(1m) 3.75A(15m)
· On-off times: 10000（test times）
· Max.length：15000mm(49.2')
· Cutting unit：：4leds/25mm(0.98")
· 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-D8160-48V-10mm	12W/(1m) & 180W/(15m)	13.8W(1m)	1330lm	Ra>80	2700K	IP20/65/67	15000*10*1.5mm
			1350lm		3000K		
			1400lm		4000K		
			1420lm		5000K		
			1290lm		6000K		
			1080lm	Ra>90	2700K		
			1140lm		3000K		
			1200lm		4000K		
			1165lm		5000K		
			1140lm		6000K		

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 25mm(0.98")

48V+ 48V+
R R
48V- 48V-

10mm(0.39")

3.125mm   6.25mm(0.25")

1.5mm(0.06")

R_{min} =60mm(2.36inch)
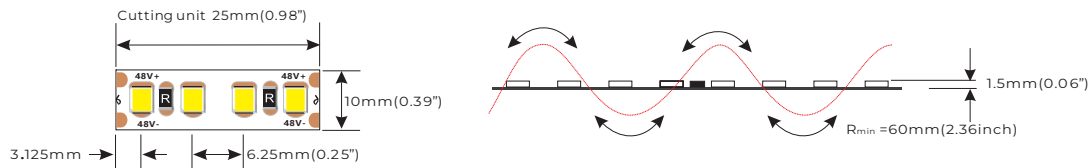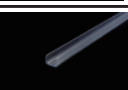
Electronic & output data

IP Process	Picture	Picture description	Size	Optional CCT/color for finished product	Lumen output rate
NO	NO/IP20	No proof	10mm*1.5mm	2700K/3000K/4000K/5000K/6000K	100%
NA	NANO/IP65	Nano-proof	10mm*1.5mm	2700K/3000K/4000K/5000K/6000K	98%
ET	ET/IP67	Extrusion tube	12mm*4.8mm	2700K/3000K/4000K/5000K/6000K	88%
EG	EG/IP65	Extrusion	11.3mm*3.8mm	2700K/3000K/4000K/5000K/6000K	88%
EF	EF/IP67	Milky white all-inclusive hollow arc extrusion	12mm*5mm	3400K/3850K/5800K/8750K/15000K	86%

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Accessories 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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IP process information

ET

IP65 — Gluing End Cap

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

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

32mm（1.26"）
20mm (0.79")
9.5mm (0.37")
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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Controller & Power Supply

Product Image	Product Name	Product number	Order Code	Product Specifications	Applicable Products
	Dimmer For LED Strip	LX-CR1-GBA	402-01-000000-00001	Input voltage :12-48VDC Max load current :15A*1CH 10A*1CH,Max10A@36/48V。 Max load power:180/360W@12/24V, 360W/480W@36/48V Operating temperature :-30-55 Product Size :L175*W45*H27(mm)	single light strip Use with (LX-CK1-GBA)
	Remote	LX-CK1-GBA	402-02-000000-00001	Operating Voltage : 3VDC（Battery Working frequency :2.4GHz Remote control distance : 30m Operating temperature : -30°C-55°C Product Size : L107*W58.5*H9(mm)	single light strip (Use with LX-CR1-) GBA
	Constant Voltage LED Driver	LX-BN-V48-100P	401-01-000000-00004	Input voltage : 220-240V Output voltage :48V Output Power:0-100W Output current :2.1A,PF>0.95 350×30×18mm, 5 years warranty.	48V light

Wiring diagram

LX-CR1-GBA

OUTPUT

IN PUT 12-48VAC

Switch Push

MATCH

LED Light Strip

AC220-240V

L

N

Constant voltage LED Driver AC48V

－ ＋

Rf Remote
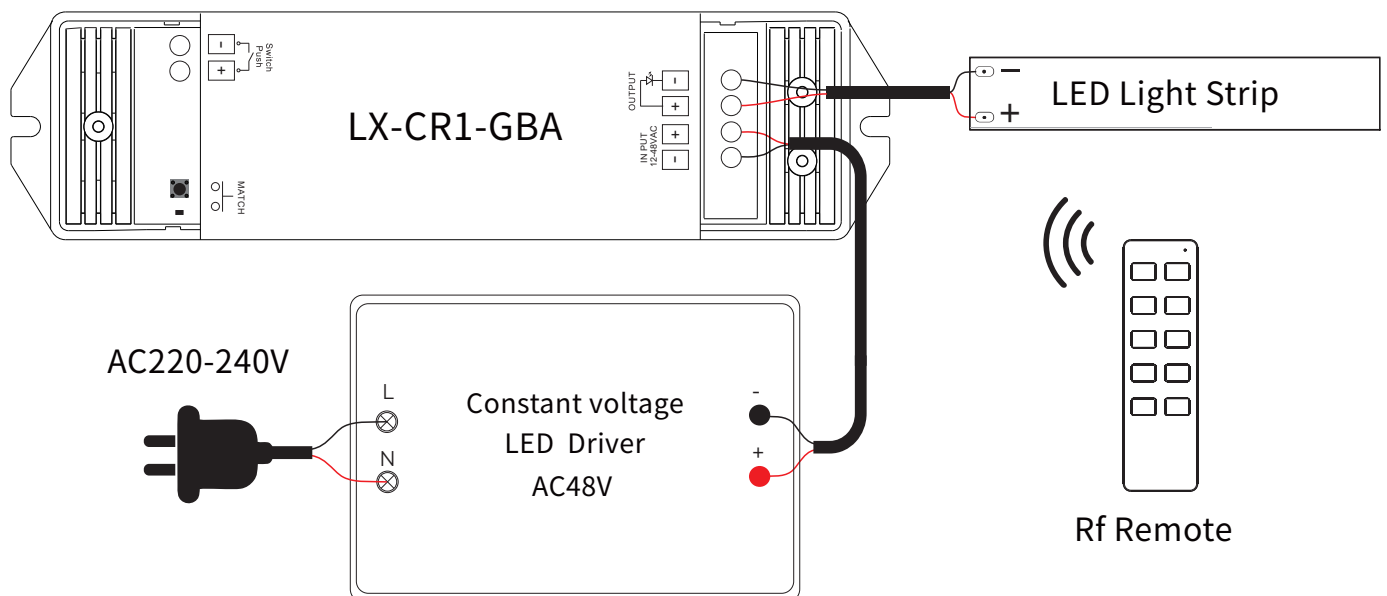
Note: This controller supports the Push function, and the 0-10V/Dall dimming function can be found in the EUCHIPS specification.

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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: -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.