Signcomplex
light and smart

CE RoHS Warranty 5years

SUPER HIGH QUALITY STRIP

Ppass Series

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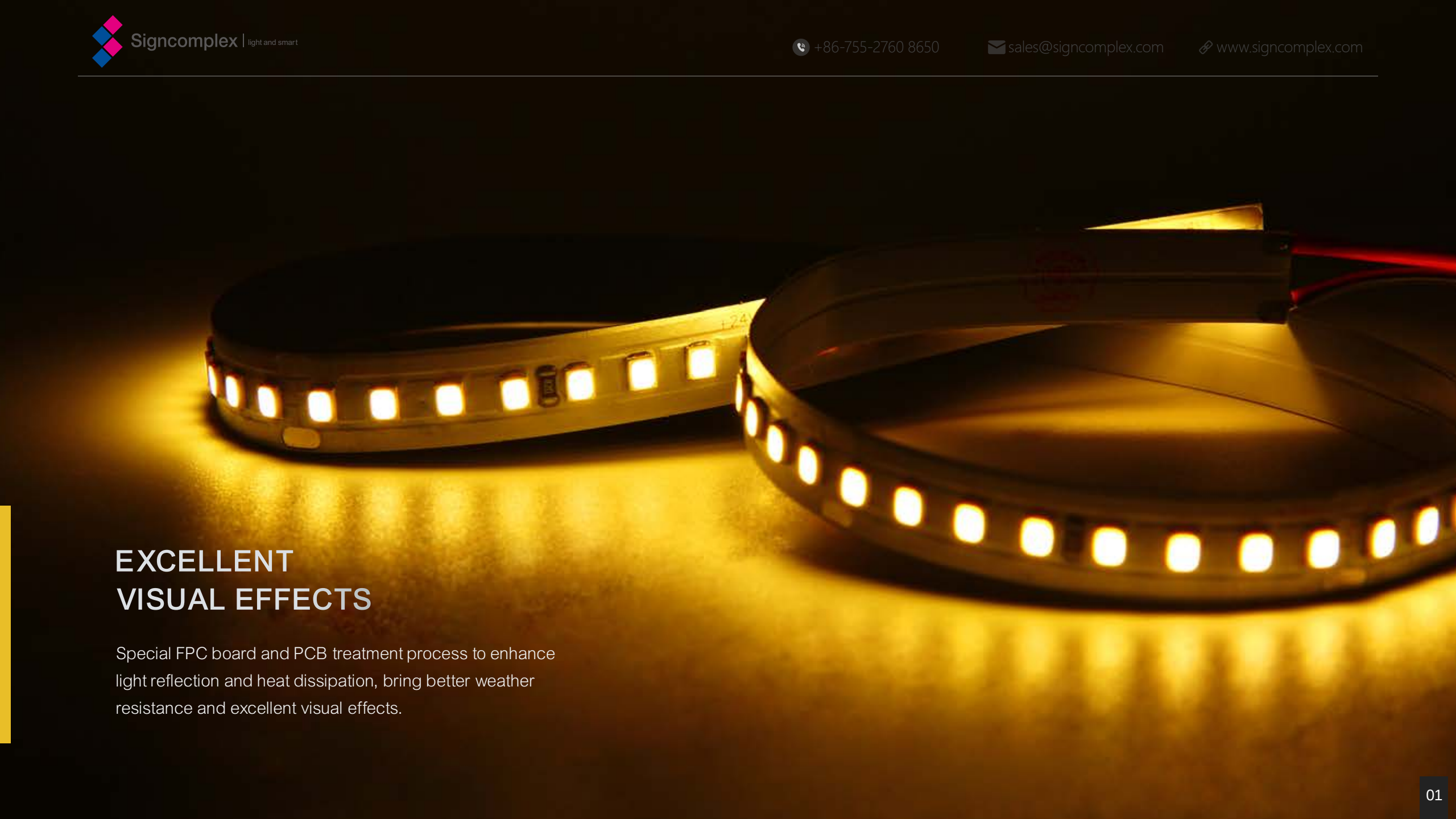

EXCELLENT VISUAL EFFECTS

Special FPC board and PCB treatment process to enhance light reflection and heat dissipation, bring better weather resistance and excellent visual effects.

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<3 step
SDCM<3

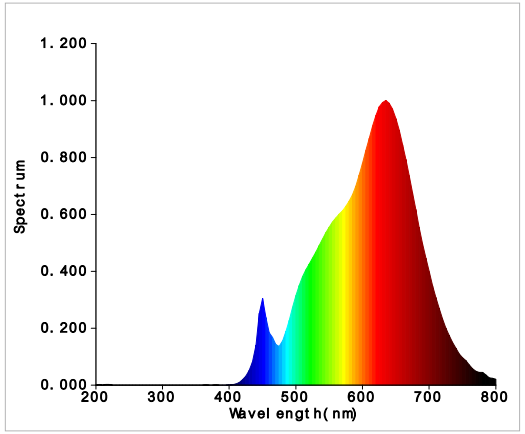
CRI
Ra>95

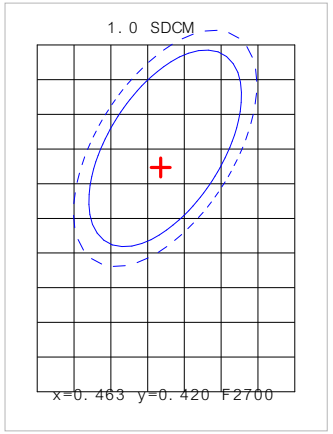
R9
R9>90

Use the latest phosphor technology for reference, improve the red purity, increase the color gamut coverage area, and make R9 and Ra improve in both directions.

SDCM<3

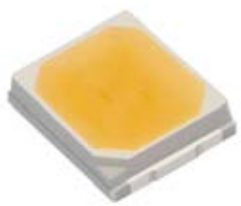
SDCM within three-step IES60081:2010 standard





HIGH QUALITY

Quality SMD2835 0.2W LED provides unparalleled design-in Flexibility for LED strips application



IP20/ IP65 OPTIONAL

Waterproof or non-waterproof optional, applicable to more scenarios

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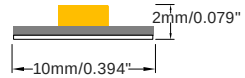
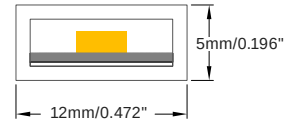
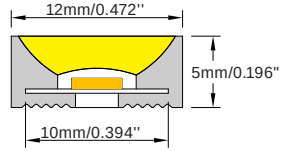
NEON STRIP

- Dot-free illumination
- Good waterproof effect, safer application
- Easy to install

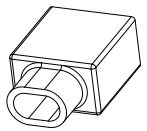
APPLICATION

SPECIFICATION

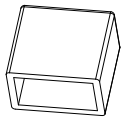
Model	CCT	Lumen (lm/m)	Efficiency (lm/W)	Beam angle (°)	Voltage (V DC)	Power (W/m)	Ra	R9	Class	IP
SC-2835-Ppass	2700K	1500	126	120	24	12	>95	>90	E	IP20 Non-waterproof 
	4000K	1560	130							
	6500K	1620	135							IP65 Silicon sleeved 
SC-TSE-2835-Ppass	SWW	1200	100	120	24	12	>95	>90	F	IP67 Neon 
	NW	1250	104							
	CW	1290	107							

ACCESSORIES

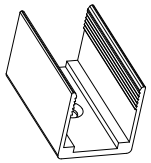
FOR SC-TSE-2835-Ppass



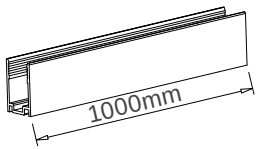
End cap with hole
2pcs/5M



End cap without hole
2pcs/5M



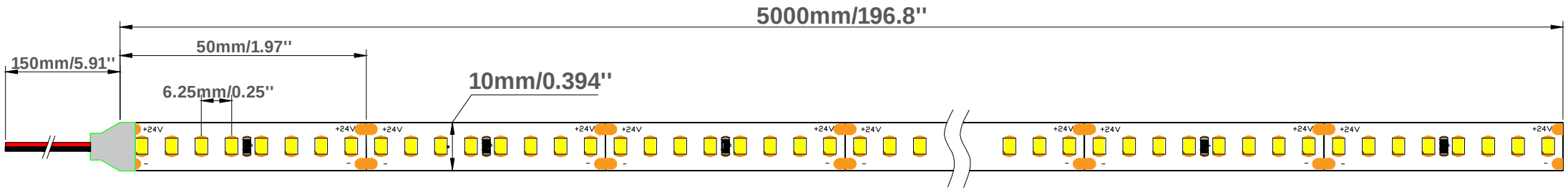
Mounting clip
20pcs/5M



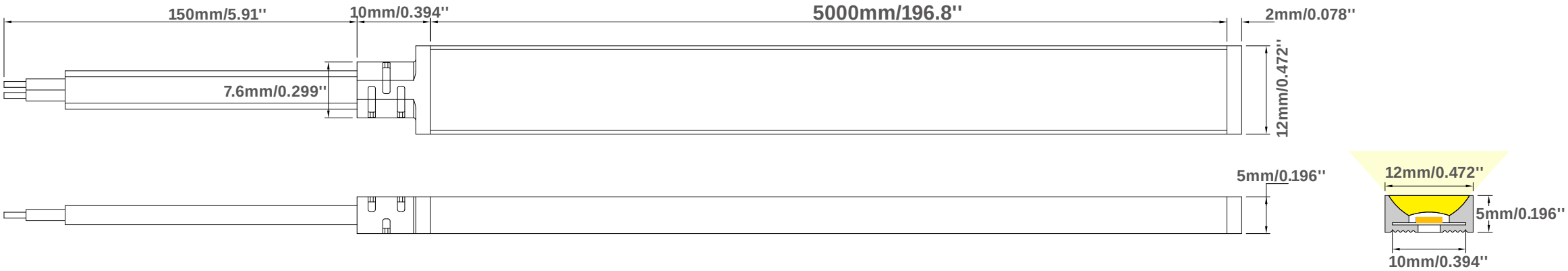
Mounting Channel
optional

DIMENSIONS (Unit: mm/inch)

SC-2835-Ppass-XW-160D-24V



SC-TSE-2835-Ppass



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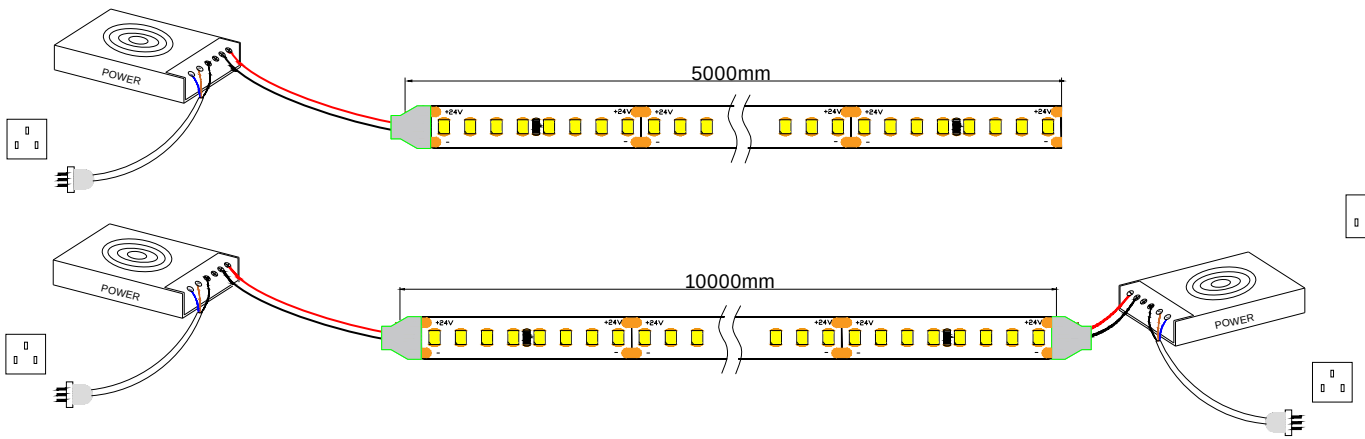
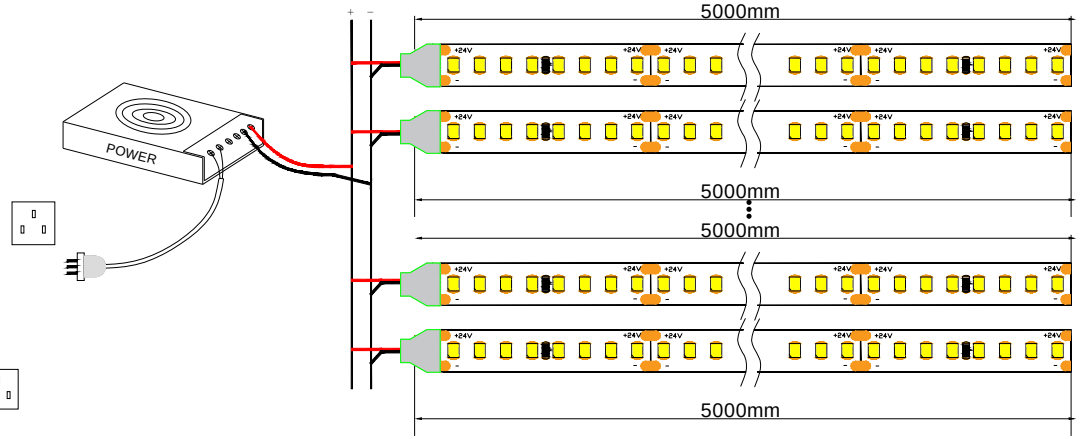
DC24V Extendable Cuttable

CONNECTION DIAGRAM

SC-2835-Ppass





INSTALLATION OPERATION SC-TSE-2835-Ppass

1. Cut along the cutting line with scissors, as shown in Figure 3.

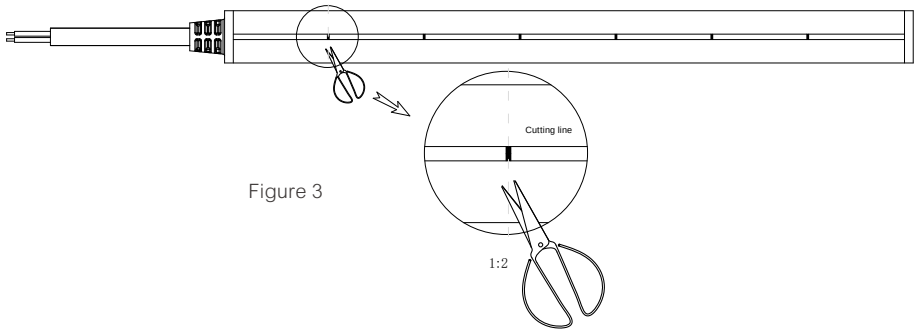


Figure 3

2. The plug will be filled with glue, and put the neon flex into the plug, the installation is complete, as shown in Figure 4.

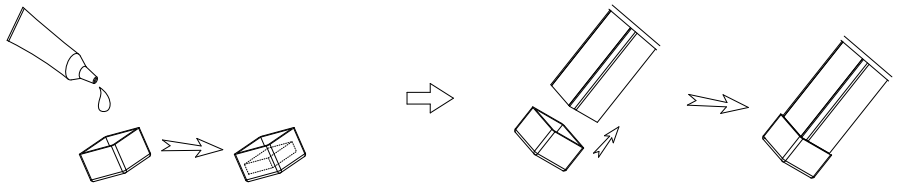


Figure 4

3. Cut off the adhesive on the back of the PCB to reveal the welding points, as shown in Figure 5.

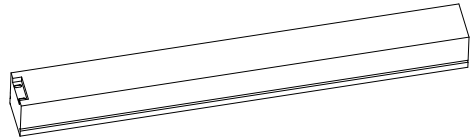


Figure 5

4. Use the soldering iron to solder the wire, as shown in Figure 6.

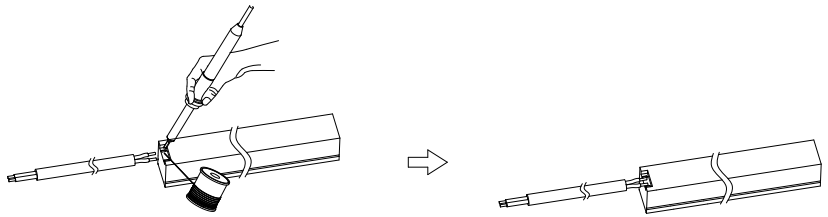


Figure 6

5. Put the plug encased into the line, and repeat Figure 4 gluing steps, and then insert the neon flex into the plug, the installation is complete, as shown in Figure 7.

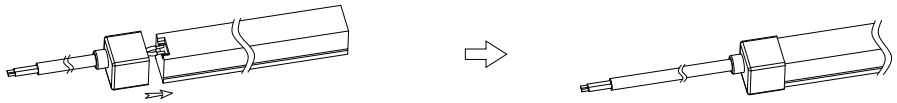


Figure 7

TECHNICAL PARAMETER

ERP TEST REFERENCE

Type of light source:	
- Lighting technology used	☐ HL ☐ LFLT5HE ☐ LFL T5HO ☐ CFLni ☐ other FL ☐ HPS ☐ MH ☐ other HID ☒ LED ☐ OLED ☐ mixed ☐ other
- Non-directional or directional	☒ NDLS ☐ DLS
- Mains or non-mains	☐ MLS ☒ NMLS
- Connected light source (CLS)	☐ Yes ☒ No
- Colour-tuneable light source	☐ Yes ☒ No
- Envelope	☒ no ☐ second ☐ non-clear
- High luminance light source	☐ Yes ☒ No
- Anti-glare shield	☐ Yes ☒ No
- Dimmable	☐ Yes ☐ only with specific dimmers ☒ No
- Control gear	☒ Integrated ☐ External
- Use of light source:	☒ Indoor ☐ Outdoor ☐ Industry
Lamp cap installed:	N/A
General product parameters :	
Energy consumption in on-mode (kWh/1 000 h)	6.0W
Energy efficiency class	☐ A ☐ B ☐ C ☐ D ☒ E ☐ F ☐ G
Rated useful luminous flux……(lm):	780lm
Rated CCT ……(K):	3800-4200K
On-mode power (Pon), expressed in W.....:	6.0W/0.5m
Standby power (Psb)……(W):	0
Networked standbypower(Pnet)for CLS (W):	N/A

Rated Ra.....:	95
Outer dimensions.....(mm):	N/A
Spectral power distribution.....:	See attachment 2
Claim of equivalent power .....:	☐ Yes: ☒ N/A
Chromaticity coordinates (x and y).....:	x:0.3820, y:0.3765
Peak luminous intensity .....(cd) :	N/A
Beam angle in degrees.....(°):	N/A
R9 colour rendering index valueR9.....:	0
Survival factor .....:	100%
The lumen maintenance factor.....:	98%
Displacement factor (cos Φ1).....:	0.9
Colour consistency in McAdam ellipses.....:	2.8
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.....:	☐ Yes: ☒ N/A
Flicker metric (Pst LM) .....:	1.0
Stroboscopic effect metric (SVM).....:	0.4
Rated CCT ……..……..(K):	3800-4200K
Rated life time ……..…..(h):	70000h

Attachments:

The test report includes: ATTACHMENT 1(S) of product photos

Summary of testing:

1、 These results are in compliance with the ecodesign requirements of the Commission Regulation (EU) 2019/2020.

2、 Measurement was conducted at voltage 230V 50Hz and a stable ambient temperature 25±10℃.

3、 THD≤ 3%

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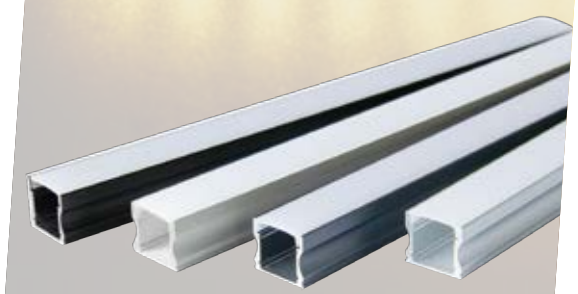
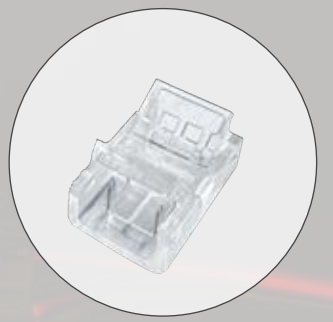
ACCESSORIES

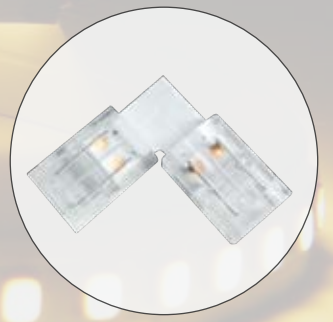
LED Aluminum Channel



Non-waterproof LED Power Supply

LED Flex Strip Connectors





Reliability test items and conditions, failure judgment standards

Test item	Performance	Standard/price/description
Photometry	Integrating sphere test	IES LM79(lumen,CCT,CRI,XY,SDCM,wave length)
	Light distribution test	IES LM79(Lumen intensity distribution)
	Long-term aging experiment	IES L M84&IES TM28
Heating test	Power-on temperature test under normal temperature conditions	UL1598&UL 2388&IEC60598-1&IEC60598-2-21
	High temperature and humidity test	UL1598&UL 2388&IEC60598-1&IEC60598-2-21
Technical test& physical test	Bending test	Manufacturer's definition, 500 cycles
	Vibration test	UL2388＞750 cycles
	Tensile test	Manufacturer definition
	Twist test	The maximum connection length of the feed at both ends is defined by the manufacturer> 200 cycles
	Drop test	UL1598&UL 2388&IEC60598-1&IEC60598-2-21
	IK test	IEC62262
Environment test	Heat resistance test	UL94
	UV illuminant test	ASTMG154,ISO4892-3,UVA@340nm
	IP test	IEC60529
	Salt spary test	IEC68-2-11
Endurance test& thermal test	Thermal shock test	Without lighting -40℃-55℃ (25 minutes)
		Temperature conversion time within 5 minutes,100 cycles
	Power-on temperature test under high temperature conditions	Manufacturer's definition 55℃(standard temperature)

Item	Symbol	Failure Criteria
Luminous Flux	Lm	≥70%
Forward voltage	VF	±10%
Colour	CIE_X CIE_y	+0.01