

# NEON FLEX



LX-NF-NMS0410

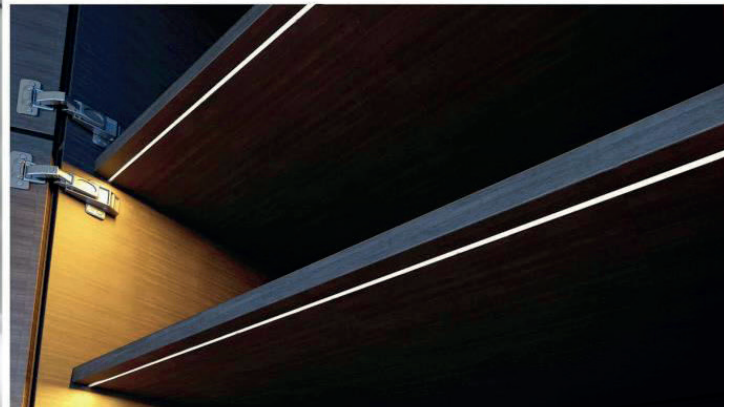
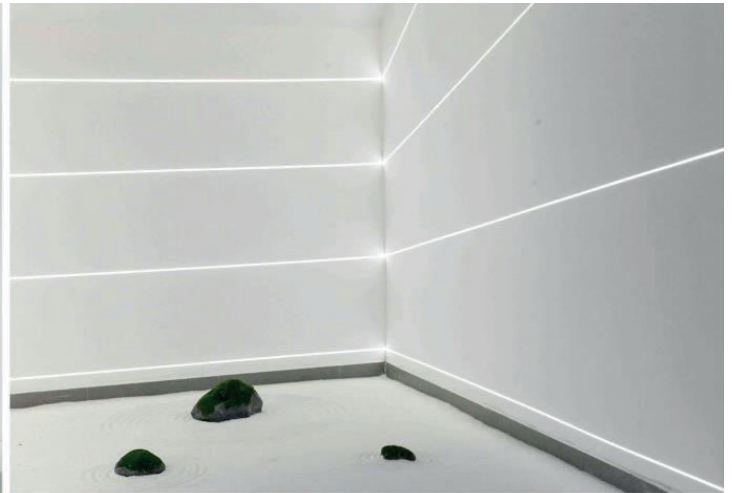
<b>IP</b> 65	<b>IK</b> 06	<b>CRI</b> >90	<b>DC12-24V</b>
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<b>UV RESISTANT</b>	<b>FLAME RESISTANT</b>	<b>SALTWATER RESISTANT</b>	<b>SOLVENT RESISTANT</b>
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<b>5</b> GARANTIE	<b>CE</b>	<b>RoHS</b>	<b>36000h</b>
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## NEON FLEX

- Light source: High luminous efficiency, LM80 test proved.
- Process & Material: High light transmittance, environmental silicone material, integrated extrusion molding technology, IP65.
- Optical Design: Unique optical light distribution structure design, uniform lighting surface and no shadow.
- Appearance Design: Compared with the traditional neon tube or PVC guardrail tube, the silicone material has good flexibility, the simple and stylish appearance, which is exquisite and unique.
- Product Certification: UL, CE, ROHS, UKCA, CB.
- Environmental Features: Resistance to saline solutions, acids & alkali, corrosive gases and UV.
- Working/Storage Temperature: Ta: -25~55°C / 0°C ~ 60°C.
- Product application : Application: Signage lighting, indoor lighting



**luxio**  
L I G H T I N G

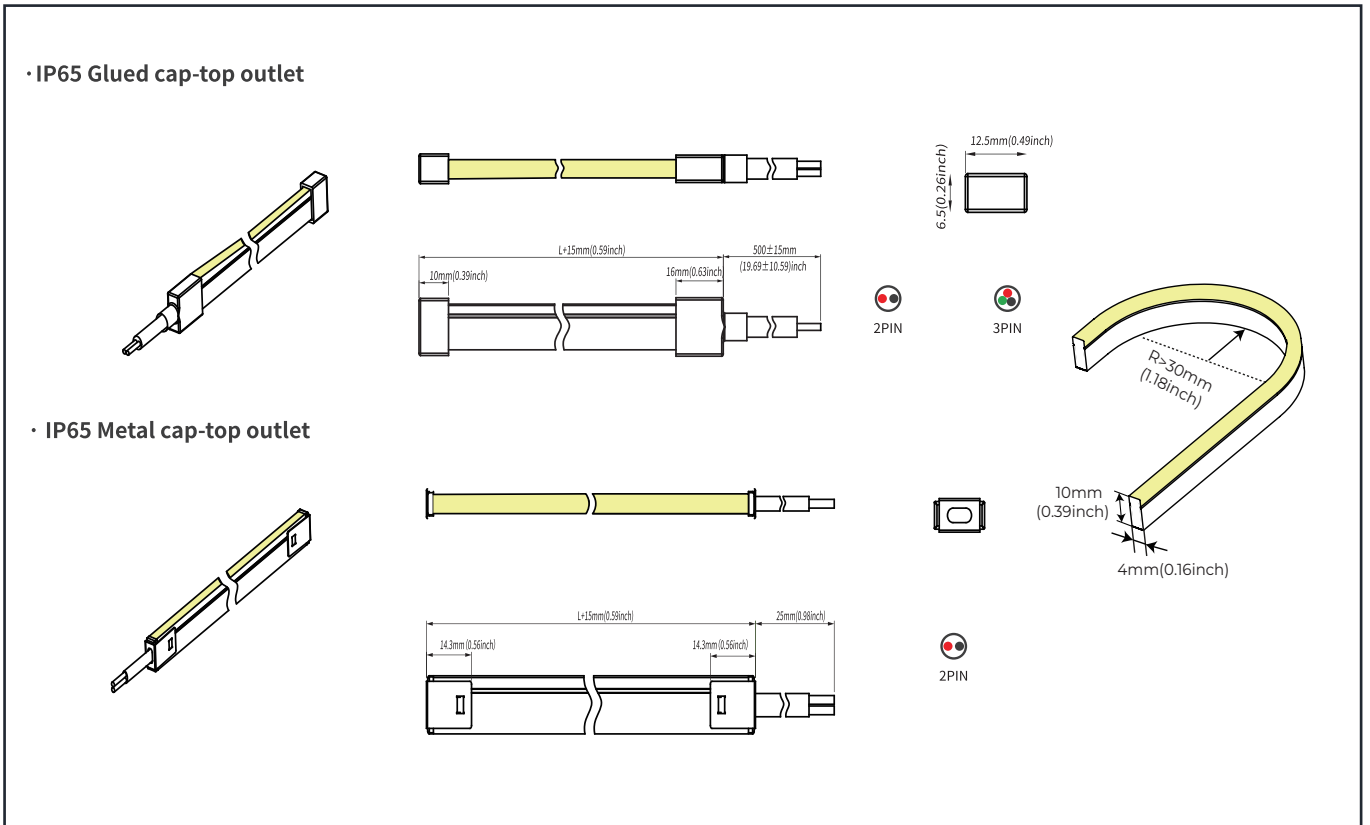
[www.luxio-lighting.com](http://www.luxio-lighting.com)

# References


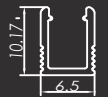













Reference	Rated power (w/m)	Maximum power (w/m)	Input Voltage	Rated current (A/m)	CRI	CCT/colors	Luminous flux	IP Rating	Dimensions	Remark
LX-NF-NMS0410	7.2W	7.9W	12V/24V	0.6	>90	2300K	240Lm	IP65	5000mm	3LED/ 15.6mm
						2700K				
						3000K				
						4000K	270Lm			
						G 525-530nm	/			
						B 465-470nm				
						2300K~4000K	220Lm			

1. The above data is the testing result of 1M standard product;
2. The lumens of output data can be vary up to  $\pm 10\%$ ;
3. The above parameters are all typical values ;
4. Standard glue plugs are shipped.





# Product mechanical parameters



# Accessory Information

Name	Description	Image	Sectional size	Ordering code	Quantity case (PCS)	net weight (kg)	Per box net weight (kg)	Gross weight (kg)	Packing (mm)	Remark		
Alumina carrier	Flat mounting aluminum groove			LX-NMS0410A-1000	160	0.06	9.6	10.68	1180*135*130	Size : L1000*W6.5*H10.1mm		
Fixed clip	Fixed clip, 0.3mm stainless steel, sprayed with white paint on the surface			LX-NMS0410S-18	2000	0.0006	1.2	1.5	250*250*150	Size: L18*W5.4*H9.9mm with screws		
End cap set	End cap set, including end cap and plug			LX-NMS0410GH0-EC	400	0.0035	1.4	1.7		/		
Metal end cap kit	End cap set, including silicone end cap, isolation sheet, and metal end cap clip			LX-NMS0410SH0-EC	2000	0.0015	1.2	1.5		/		
Gray wire	2P PVC wire (0.5M)		/	LX-WS-0005	150	0.0128	1.92	2.22		250*250*150	Suitable for single color strip	
Gray wire	2P PVC wire (2M)			LX-WS-0006	125	0.0512	6.4	6.7				
Gray wire	3P PVC wire (0.5M)		/	LX-WS-0017	150	0.0154	2.31	2.61			250*250*150	Suitable for SWW strip
Gray wire	3P PVC wire (2M)			LX-WS-0018	125	0.0616	7.7	8				
Gray wire	2P JST wire (0.2M)		/	LX-FC-0007	100	0.015	1.5	2			250*250*150	Suitable for single color strip
Gray wire	3P JST wire (0.2M)			LX-FC-0008	100	0.015	1.5	2				Suitable for SWW strip
Gray wire	2PIN gray wire (0.5M)		/	LX-WS-0009	200	0.0077	1.54	1.84			250*250*150	Suitable for single color strip
Gray wire	2PIN gray wire (2M)			LX-WS-0010	100	0.031	3.1	3.4				Suitable for single color strip
Glue	588G acidic glue		/	LX-PG-0002	150	0.014	2.1	2.4			250*250*150	10ml/pcs
Connector	2PIN IP68 waterproof connector		/	LX-FC-0001	512	0.016	8.192	9.5	365*365*190		Suitable for single color strip	
Connector	3PIN IP68 waterproof connector			LX-FC-0002	512	0.018	9.216	10.2			Suitable for SWW strip	

## Solution of control system

Product Image	product name	Product number	Order code	Product specifications	Applicable Products
	Monochrome remote	LX-CK1-GBA	402-02-000000-00001	output signal : RF Working voltage:3VDC(CR2032) Remote control distance : 30m Working temperature:Ta:0-30°C-0+55°C	Monochrome light strip (Use with LX-CR1-GBA)
	Monochrome light controller	LX-CR1-GBA	402-01-000000-00001	Input voltage :DC12-48V Output current : 15A@12V/24V,10A@36V/48V Output Power : Max 180W@12V/Max 360W @24V/Max 360W@36V/Max 480W@48V Working temperature:30°C— +55°C	Monochrome light strip (Use with LX-CR1-GBA)
	CCT remote control	LX-CK2-GBA	402-02-000000-00002	output signal : RF Working voltage: 3VDC(CR2032) Remote control distance : 30m Working temperature:Ta:0-30°C-0+55°C	CCT light strip (Use with LX-CR2-GBA)
	Color temperature controller	LX-CR2-GBA	402-01-000000-00002	Input voltage :DC12-48V Output current : 8A Output Power : Max 192W@12V/Max 284W @24V/Max 576W@36V/Max 768W@48V Working temperature:30°C— +55°C	CCT light strip (Use with LX-CK2-GBA)

## Precautions

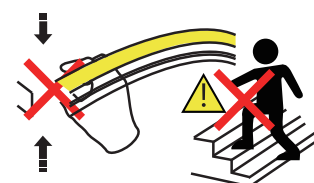
- Use a 24V DC isolated power supply to drive the neon lamp strip and the ripple wave of constant voltage source shall be less than 5%. It is not allowed to use RC voltage reduction or non-isolated power supply to drive the neon lamp strip.
- In actual applications, 20% of the power supply shall be kept (only 80% of the power is used) to guarantee that sufficient voltage is available to drive the product.
- Attention shall be paid to safe operation. After powering on, it is not allowed to touch the AC power supply to avoid an electric shock.
- Attention shall be paid to the positive and negative poles of the wires during installation and whether the power supply conforms to required voltages to avoid damages.
- Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.
- Please do not bend the strip into an arc with a diameter less than 60mm to ensure the longevity and reliability, the bending diameter too small will damage the product itself.
- If the actual length of application exceeds the specified using length, it will lead to overload heating and uneven brightness.
- Non-professionals are prohibited from installing, disassembling and repairing the product.
- Do not use any acid or alkaline adhesive to fix products (including not limited to glass cement, etc.)
- Product is not suitable for use in swimming pools and fountains.
- Please confirmed before usage as products of varied sizes show slight differences in their color under same color temperature due to their structural differences.
- When IP65 protective products are installed and applied, the waterproofing grade should be degraded after self-processing and cutting.
- In mass production, 1-2 splices are allowed within every 5 meters.
- Please use professional cutting tools when cutting.



No stretching



No distortion



No trampling