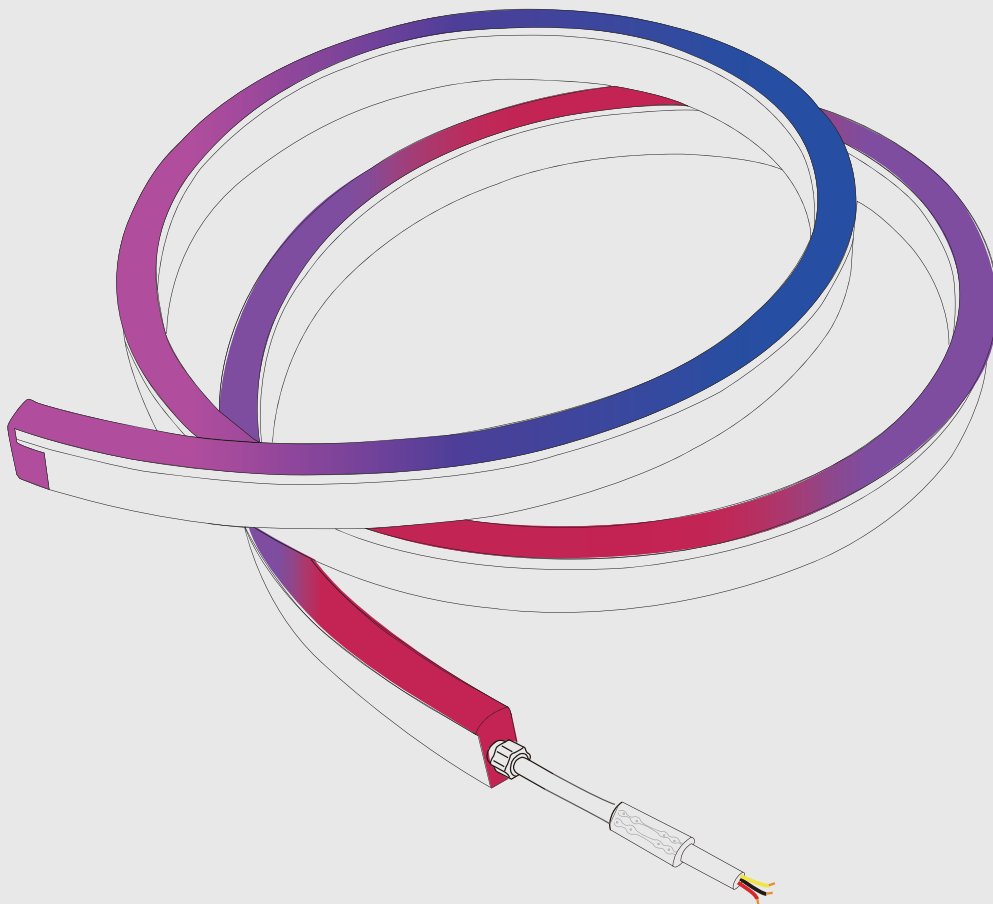








NEONLED



F15 SPI Pixel Chasing Neon Flex

Specification

Dimension

-  Gross weight: 0.4kg/m
-  Controlled: SPI controller
-  Installation Temp.: 0°C to +55°C
-  Ambient Temp.: -25°C to +55°C
-  Min. Bending : 80mm
-  Beam Angle : 120 degree



Eco-friendly PVC or Silicone Housing material optional

Features

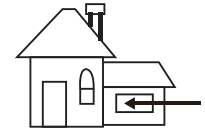
- Uniform and even light output
- Flat surface with 120 degree beam angle
- 56LEDs or 70LEDs optional, 8903/8904 IC chips built in
- Connect with SPI/TTL signal controller
- Full encapsulated with IP68 Level
- High Reliability
- 3 or 5 Years warranty

Applications

- Building facade, outline
- Cove lighting
- Sign and advertising lighting
- Linear lighting
- Additional lighting
- Decorative lighting



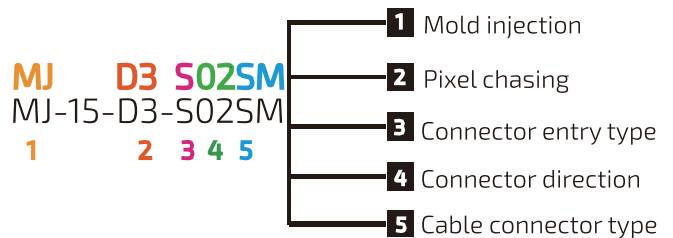
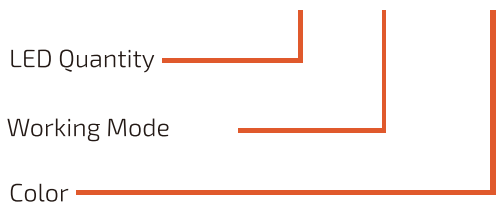
outdoor use



indoor use



Model Encoding



- 01----- right
- 02-----left
- 03-----double

- S----- Side entry
- D-----Direct entry
- B-----Bottom entry

- SM----- male connector cable
- SF-----female connector cable
- SMF-----male & female connector cable

For more information

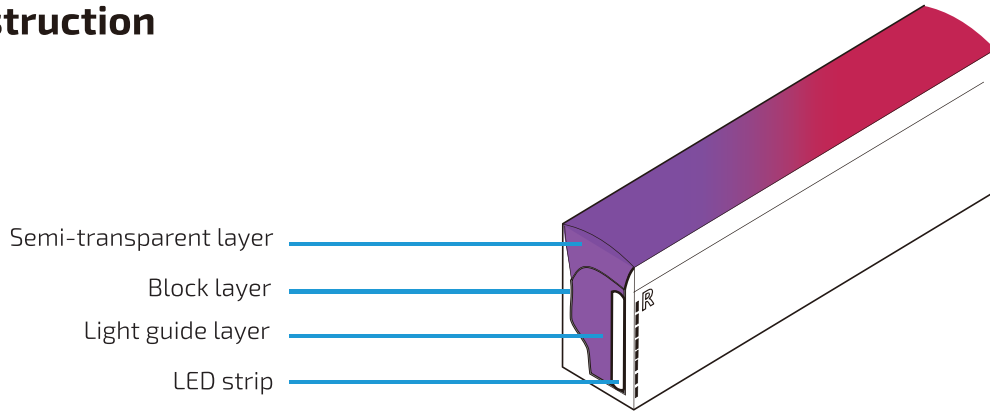
Email: info@neonled.sk

Or visit www.neonled.sk

Technical Specification

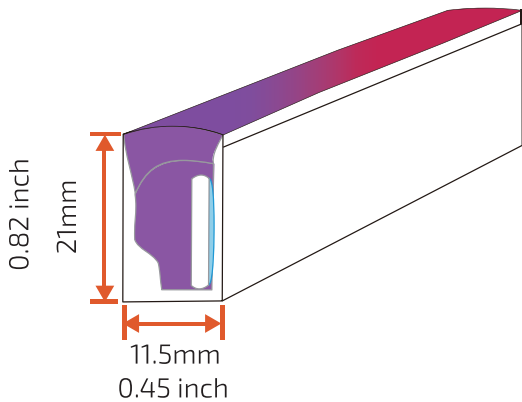
Model	F15-24V-5050-56-SPI-RGBW	F15-24V-5050-70-SPI-RGB
Operating voltage	24V	24V
Power consumption	15W/M	16W/M
Working Mode	SPI(8904)	SPI(8903)
LED type	SMD5050	SMD5050
LED Quantity	56 pcs/m	70 pcs/m
Available Color	RGB/3000K/DW	RGBW(2200K/3000K/4000K)
Min. cutting Unit	7 LEDs	7 LEDs
Min. cutting length	12.5cm	10cm
Pixels Qty/m	8 Pixels	10 Pixels
Max. length single feed	8m	8m
Max. length double feed	16m	16m
Bending direction	Horizontally	
Lumen maintenance	70 000 Hours L70 25°C , 50 000 Hours L70 50°C	
Housing material	Eco PVC or Silicone	
Installation temperature	0°C to -55°C	
Ambient temperature	-25°C to +55°C	
Ingress protection	IP68 wet location submersible* to 2m	
Warranty	3 years as standard, 5 years warranty maximum	

Construction

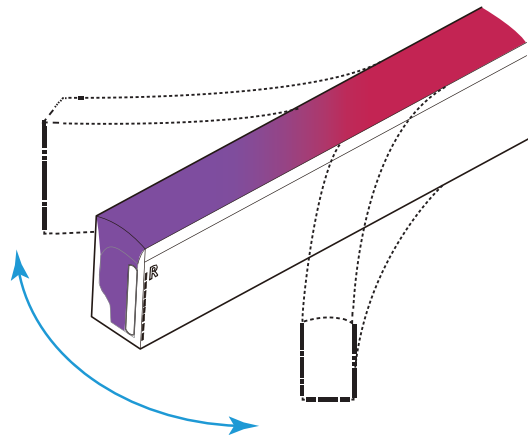


Physical Specification

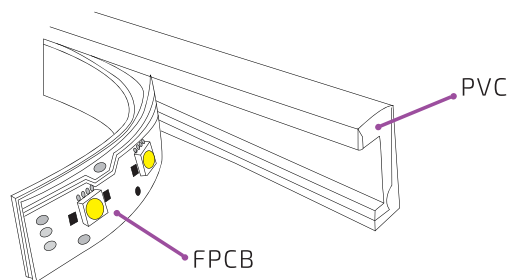
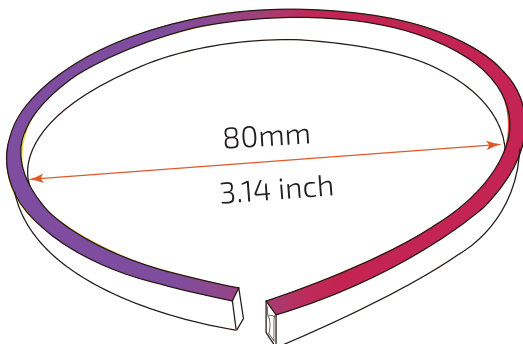
Light profile



Bending direction



Min. bending diameter



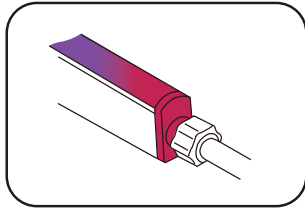
For more information

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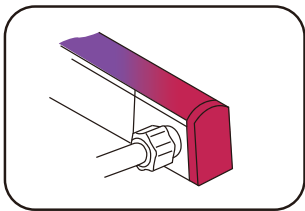
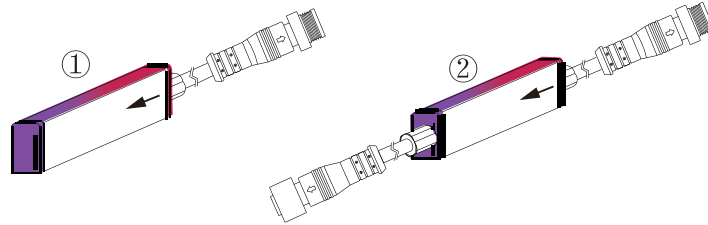
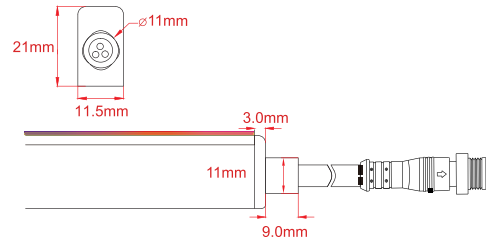
Mold injection connector

(IP68 Factory Assembly only)



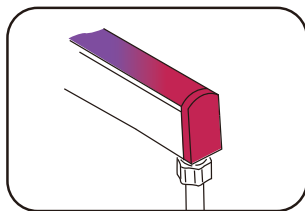
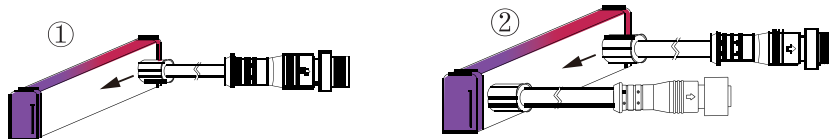
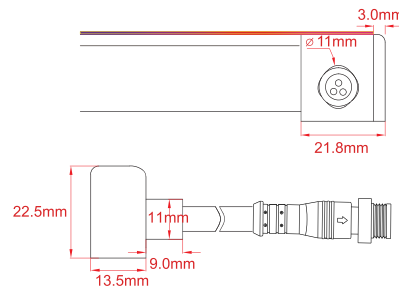
Direct entry Connector

- ① MJ-15-D3-D02SM
- ② MJ-15-D3-D03SFM



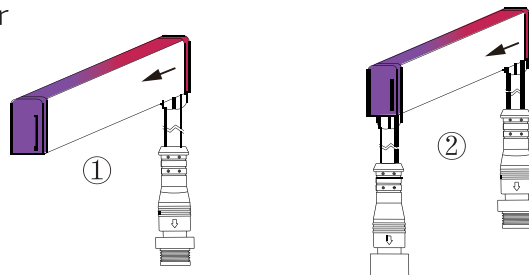
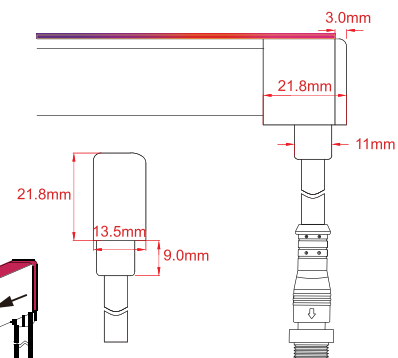
Side entry Connector

- ① MJ-15-D3-S02SM
- ② MJ-15-D3-S03SFM



Bottom entry Connector

- ① MJ-15-D3-B02SM
- ② MJ-15-D3-B03SFM



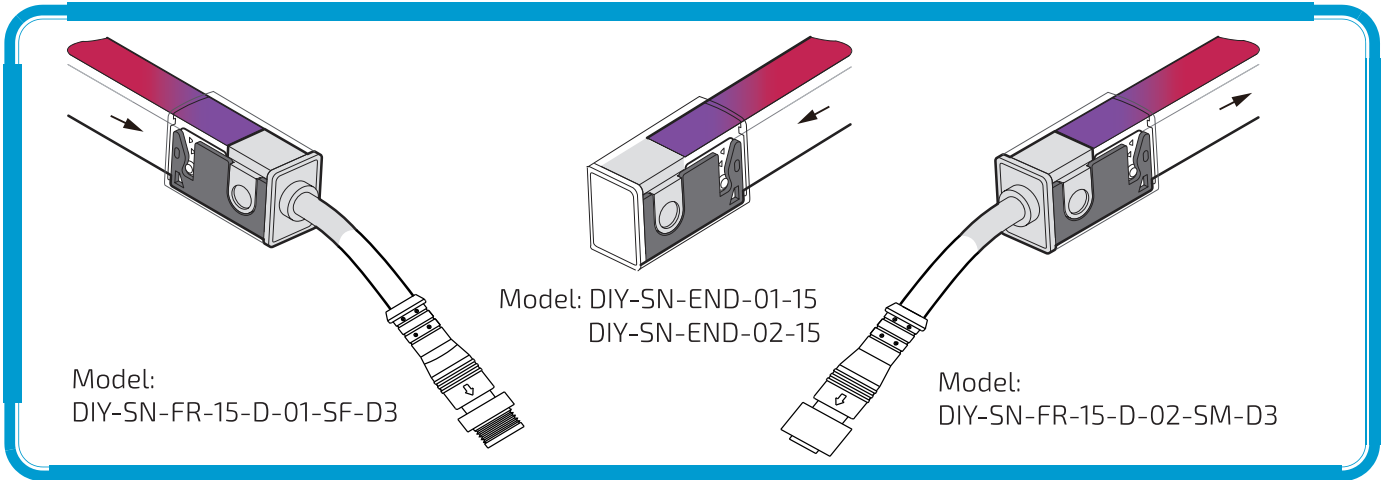
For more information

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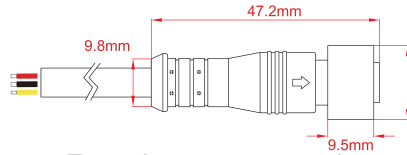
DIY Snap Connector Kit (IP67 Only)

DIY snap front connector & end cap Kit

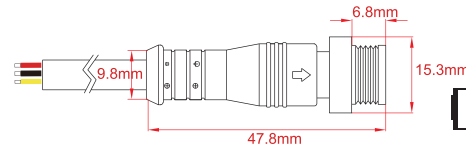


Other Accessories

Female & Male Connector

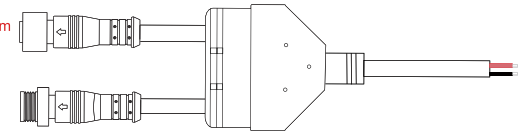


Female connector wire
SYZ-M12-F-3C-05-W

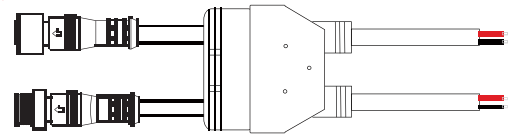


Male connector wire
SYZ-M12-M-3C-05-W

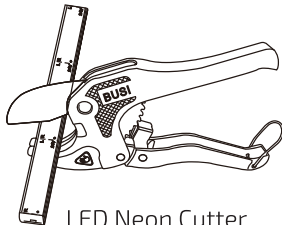
Middle power connector



MID-CNR-8904-1T2



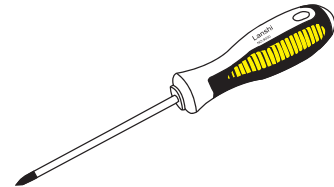
MID-CNR-8904-2T2



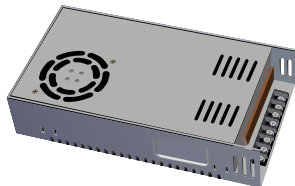
LED Neon Cutter
ACC-TOOL-C1



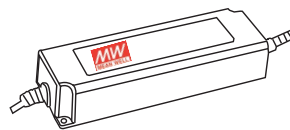
Silicone Rubber
K-5905



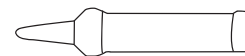
Screwdriver
ACC-TOOL-C2



Mean Well Transformer
Non-waterproof Series



Mean Well Transformer
Waterproof Series



Assistant Tool
ACC-TOOL-C3

For more information

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Mounting Channel

Model	Description	Dimension	Drawing
ALC15S01	Use for : F15 & F21 Length option:1m,2m,35mm Material:Aluminum alloy Optional color:AS/AB/PW Type: Standard		
ALC15S02	Use for : F15 & F21 Length option:1m,2m,35mm Material:Aluminum alloy Optional color:AS/AB/PW Type: Anti-drop for upside down installation		
ALC15H01	Use for : F15 & F21 Length option:1m,2m,35mm Material:Aluminum alloy Optional color:AS/AB/PW Type: Cable hiding		
ALC15V01	Use for : F15 & F21 Length option:1m,2m,35mm Material:Aluminum alloy Optional color:AS/AB/PW Type: Vertical installation		
SSC15FLX	Use for : F15 & F21 Length option:10cm,30cm,50cm,100cm Material: Stainless steel Optional color: Polished Type: Flexible		
SSC15S01	Use for : F15 & F21 Length option: 5cm Material: Stainless steel Optional color: Natural color Type: 316 stainless steel		

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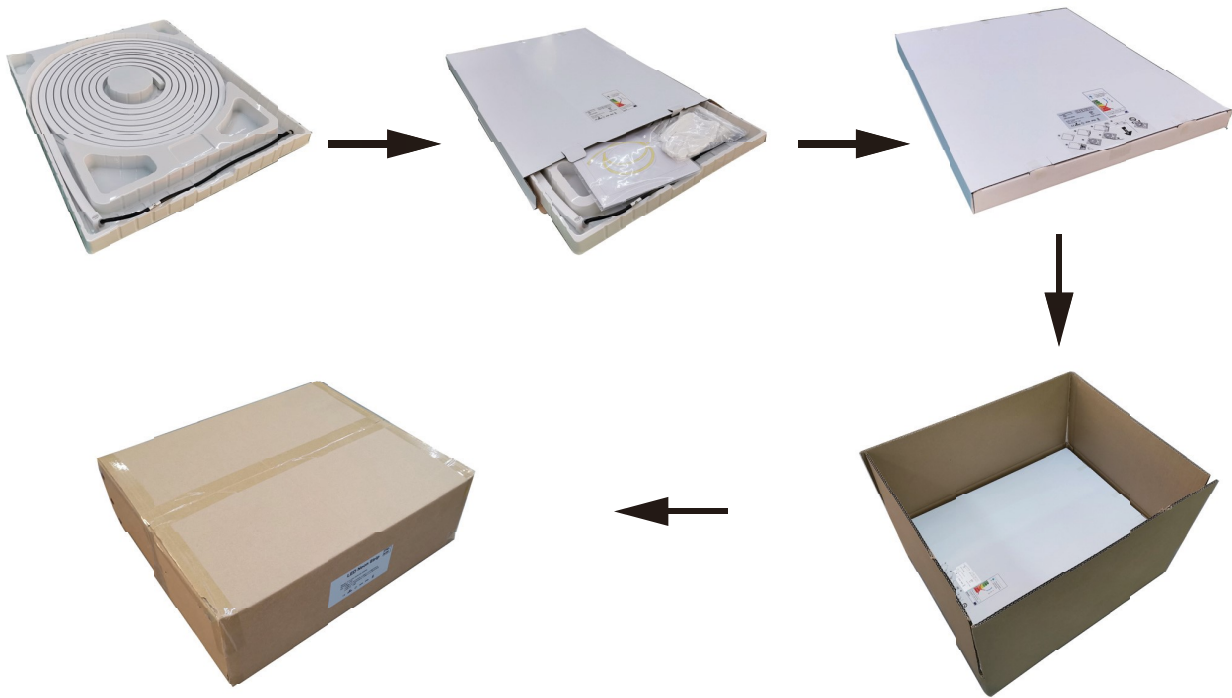
Packing

Standard: Carton (Paper reel inside)



Fixture Length	Paper Reel	Carton Dimension	Gross Weight
787.4in(20m)	D12.99*H6.18in(33*15.7cm)	33*33*18cm	17.63 lbs (8 kg)
787.4in(30m)	D12.99*H6.18in(33*15.7cm)	33*33*18cm	26.45 lbs (12 kg)

Custom: Carton (White box+plastic plate inside)



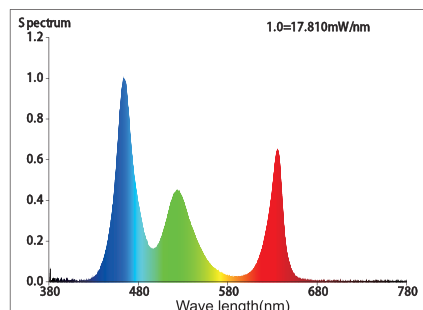
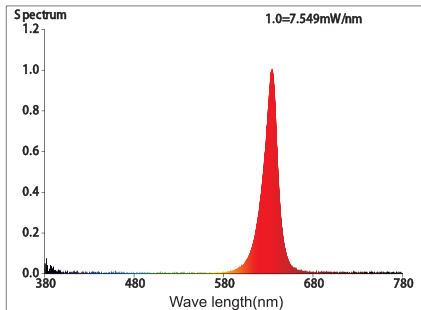
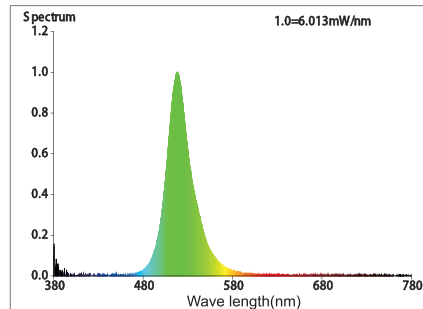
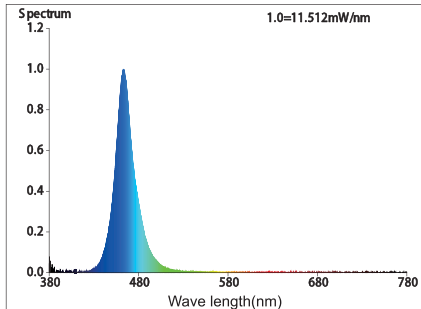
Fixture Length	White box Dimension	Carton Dimension	White box Quantity	Gross Weight
196.85in(5m)	13.78*1.65*18.11in(38*3*38 cm)	41*41*16cm	Max 4pcs	17.63 lbs (8 kg)
393.7in(10m)	21.6*1.38*18.9in(55*3.5*48cm)	57*49*19cm	Max 5pcs	44.09 lbs (20 kg)

[For more information](#)

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Testing

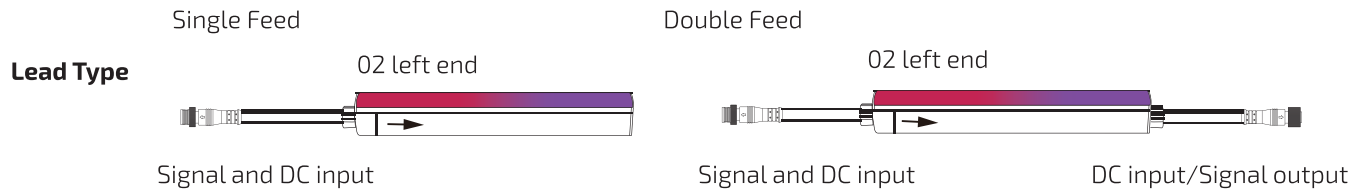


1. Please note it is under normal range if there is 20-30% yellowing of PVC housing material when the product is used under direct sunlight or long-term high temperature & wet environment in 3 years.
2. About the tolerance range of optical parameters (luminance, CCT, Watt, RA) for all product, the volume is plus and minus 10% fluctuation referring to IEC Standard.
3. It's normal for the tolerance range in total length, it occurs from the different production technology, environmental temperature and installation. the volume would be 0.1-5M±7mm, 5.1-10M±15mm, 10.1-20M±30mm.

Loading Chart

Power supply

Rated power	35W	60W	75W	80W	100W	120W	150W	185W	240W	320W
15W	1.5m	3m	4m	4.3m	5m	6m	6.5m	9.5m	12.5m	17m
16W	1.5m	3m	3.5m	4m	5m	6m	7m	9m	12m	16m



Note: These are the max recommended run lengths based on power supply, the signal transfer from the left end. For example: It is recommended to use one 80W power supply for a single-feed run of 4.3m at 15W/m.

Recommendation of extension wire

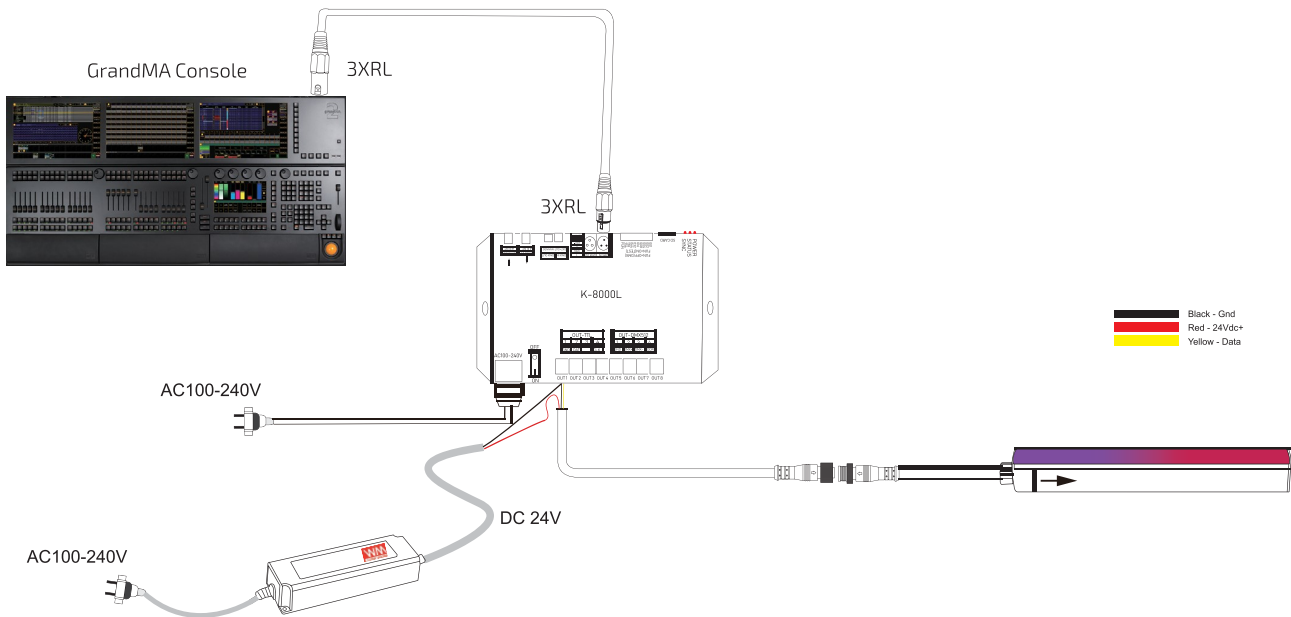
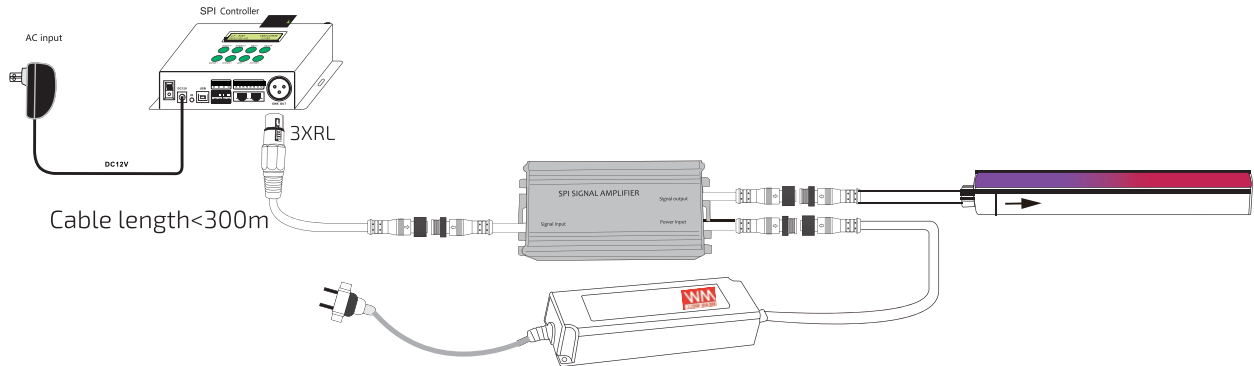
Maximum extension wire length according to Light power

Watts of light	22AWG 0.34mm ²	20AWG 0.53mm ²	18AWG 0.82mm ²	17AWG 1.04mm ²	16AWG 1.38mm ²	14AWG 2.07mm ²	12AWG 3.29mm ²	10AWG 5.62mm ²
10W	36m	60m	100m	120m	140m	240m	400m	600m
20W	18m	30m	50m	60m	70m	120m	200m	300m
30W	12m	20m	30m	38m	45m	80m	130m	200m
40W	8m	15m	22m	28m	35m	60m	95m	140m
50W	6m	12m	18m	22m	28m	48m	75m	105m
60W	5m	10m	15m	18m	22m	36m	60m	88m
70W	/	8m	12m	14m	18m	30m	50m	72m
80W	/	6m	10m	11m	14m	24m	40m	58m
90W	/	4m	7m	8m	10m	18m	30m	45m
100W	/	/	5m	6m	7m	12m	22m	32m
110W	/	/	3m	4m	5m	8m	15m	22m
120W	/	/	2m	2.5m	3m	0m	8m	12m

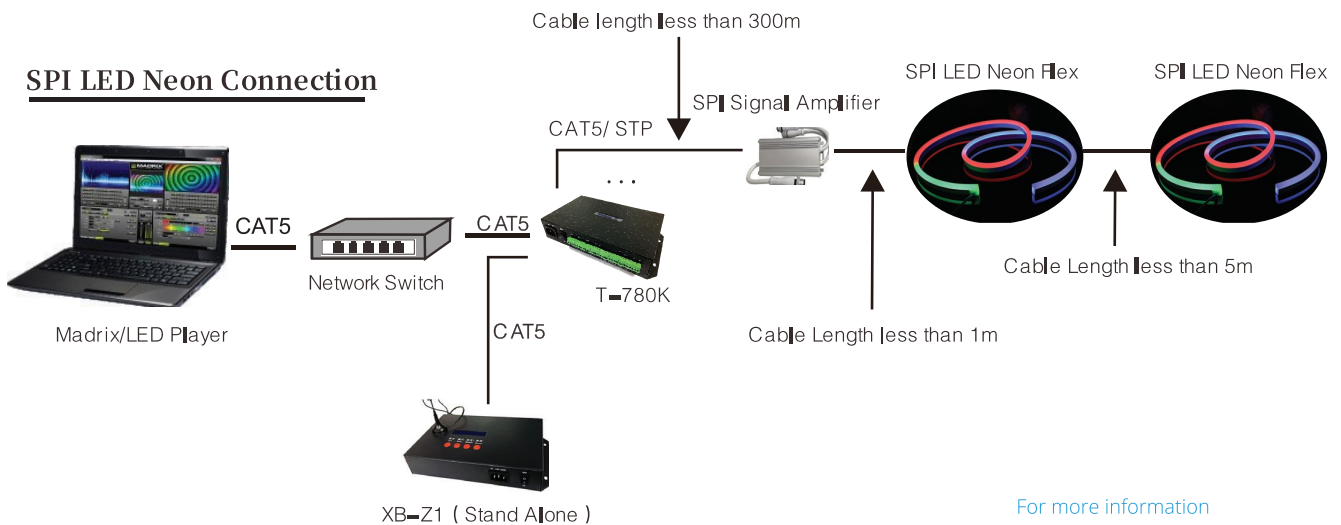
Note:

1. The values doesn't include the 0.6m cable connected to the front connector.
2. To ensure the reliability of wire connection and avoid problem of voltage drop, the extension wire length should be smaller than the above recommended values.

Connection Diagram



SPI LED Neon Connection



For more information

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