

PIXEL NEON

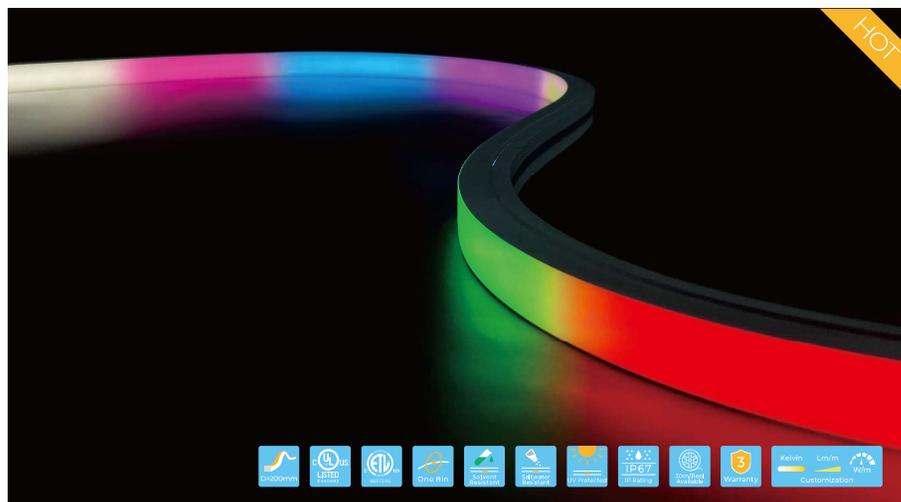
The Pixel Neon Flex series can be controlled via SPI or DMX512 and is compatible with Madrix. It supports complex color-changing effects, gradients, chases, pulsing patterns, and animations, all easily programmable.

MILK UNCONSCIOUS TRANSCENDY		DIGITALLY INFERNO		ACROSSBY	
Breakfast	€0.0	M. Heavy Song Unkissed	2.80 € 2.80	€0.0	
Old-Fashioned Drink	13.3	M. Cocktail Recipe	2.78 € 2.80	€0.0	
M. Apple Pie Muesli	9.0	Heavy Cocktail	6.00 € 6.00	€0.0	
Handcut Beer Dregs	0.0	ALM - Special 1	8.00 € 8.00	€0.0	
Ice Moulding	6.6	W			

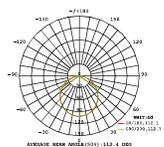
W. Apple Pie M. Heavy Song Unkissed 2.80 € 2.80
DIGITALLY INFERNO
M. Cocktail Recipe 2.78 € 2.80
Heavy Cocktail 6.00 € 6.00
ALM - Special 1 8.00 € 8.00
W

W. Apple Pie M. Heavy Song Unkissed 2.80 € 2.80
DIGITALLY INFERNO
M. Cocktail Recipe 2.78 € 2.80
Heavy Cocktail 6.00 € 6.00
ALM - Special 1 8.00 € 8.00
W

PIXEL T1615

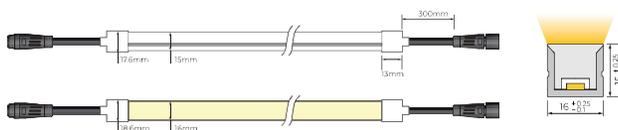


DMX512-controlled digital LED neon with stable signal and long transmission range, ideal for large outdoor projects. Supports color-changing effects, gradients, chases, pulsating patterns, and animations. Compatible with popular platforms like Madrix, Resolume, and Chromateq, easily programmed and synchronized for stunning visual displays. 3-year warranty, lifespan ≥ 30,000 hours, 1 BIN.



Light Distribution Curve

Dimensions



Basic Parameters

Model No.	NP-T1615
Voltage	DC24V
Power(w/m)	12w/15w
Storage Temperature	-25°C~60°C
Ambient Temperature	Tamin=-25°C, Tamax (Table below)

Output	Low Output	Std Output
Power(w/m)	12w	15w
Max. Ambient tempt.(Tamax)	55°C	45°C

SPI Digital	SPI RGB		
	Voltage	DC24 V	
	Circuit Design	CV	
	IC Model	UCS8603	
	Pixels/m	8	
	Power(w/m)	12w	
	Max. Run Length	5m	
	Cutting Length	125mm	

SPI Digital	SPI RGBW		
	Voltage	DC24 V	
	Circuit Design	CV	
	IC Model	UCS2904	
	Pixels/m	8	
	Power(w/m)	14.5W	
	Max. Run Length	5m	
	Cutting Length	125mm	

DMX512 Digital	DMX512 RGB		
	Voltage	DC24 V	
	Circuit Design	CV	
	IC Model	UCS512C2L	
	Pixels/m	8	
	Power(w/m)	12w	
	Max. Run Length	5m	
	Cutting Length	125mm	

DMX512 Digital	DMX512 RGBW		
	Voltage	DC24 V	
	Circuit Design	CV	
	IC Model	UCS512C2L	
	Pixels/m	8	
	Power(w/m)	15W	
	Max. Run Length	5m	
	Cutting Length	125mm	

Note:
 · CV: Constant Voltage CC: Constant Current.
 · Max. Run Length refers to single side feed in serial connection.
 · The given color temperature is the temperature of finished products.
 · The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
 · The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.

Parameters					
CRI	CCT	lm/m	w/m	lm/w	
--	R	48	4.8	9.6	
	G	148	4.8	36.8	
	B	32	4.8	6.5	
	RGB	262	12	21.8	

Parameters					
CRI	CCT	lm/m	w/m	lm/w	
--	R	42	4.8	8.8	
	G	117	4.8	24.4	
	B	36	4.8	7.5	
>90	W(4000K)	126	4.8	33.8	
	RGBW	342	14.5	23.6	

Parameters					
CRI	CCT	lm/m	w/m	lm/w	
--	R	51	4.8	10.6	
	G	191	4.8	39.8	
	B	32	4.8	6.7	
	RGB	266	12	22.2	

Parameters					
CRI	CCT	lm/m	w/m	lm/w	
--	R	44	4.8	9.2	
	G	119	4.8	24.8	
	B	34	4.8	7.1	
>90	W(4000K)	153	4.8	31.9	
	RGBW	329	15	21.9	

SPI
Digital

SPI RGB

Voltage	DC24 V
Circuit Design	CV
IC Model	WS2811
Pixels/m	10
Power(w/m)	12w
Max. Run Length	5m
Cutting Length	100mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	73.68	4.8	15.35
	G	215.47	4.8	44.89
	B	34.56	4.8	7.2
	RGB	305.4	12	25.45

Note:

- CV: Constant Voltage, CC: Constant Current.
- Max. Run length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished products.
- The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
- The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5.0mm		SPI: Red V+, Green D1/DO, Black V-

Cable Lead

End Cap & Cable Lead Option

Silicone end cap (IP67)



Front Cable Entry



Closed End cap

Accessory

Accessories

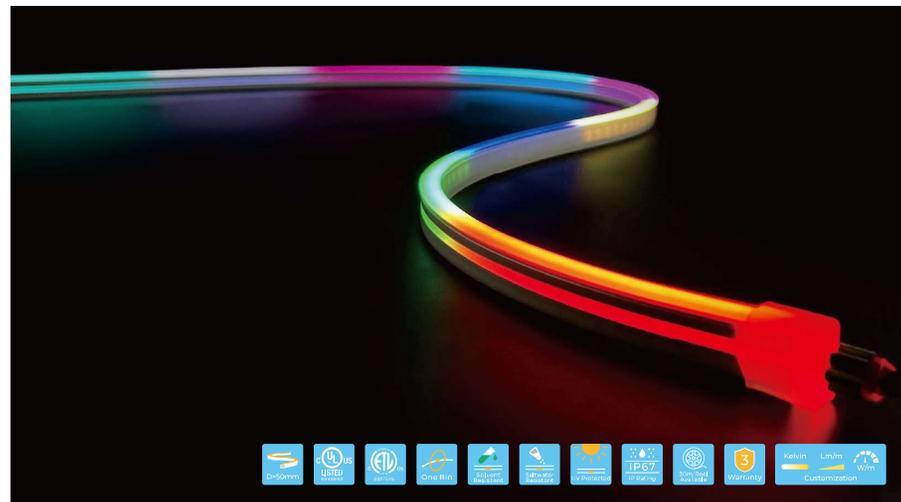


PC Profile
20x16.6x15.3mm(L x W x H)
Accessories:Screw M3x15mm

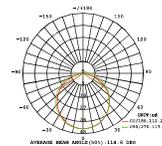


PC Profile
1000(±5)x16.6x15.3mm(L x W x H)
Accessories:Screw M3x15mm

PIXEL S0612



SPI-controlled digital LED neon with WS2811 IC, easy to set up and cost-effective, ideal for small indoor projects. Supports color-changing effects, gradients, chases, pulsating patterns, and animations. Compatible with popular platforms like Madrix, Resolume, and Chromateq, easily programmed and synchronized for stunning visual displays. 3-year warranty, lifespan ≥ 30,000 hours, 1 BIN.



Light Distribution Curve

Dimensions



Basic Parameters

Model No.	NP-S0612
Voltage	DC24V
Power(w/m)	12W
Storage Temperature	-25°C-60°C
Ambient Temperature	Tamin=-25°C, Tamax (Tamax45°C)

SPI
Digital

SPI RGB

Voltage	DC24 V
Circuit Design	CV
IC Model	WS2811
Pixels/m	10
Power(w/m)	12w
Max. Run Length	5m
Cutting Length	100mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	29.09	4.8	6.06
	G	84.19	4.8	17.54
	B	13.54	4.8	2.82
	RGB	119.52	12	9.96

Note:

- CV: Constant Voltage CC: Constant Current.
- Max. Run length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished products.
- The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
- The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 4.0mm		SPI: Red V+, Green D/DO, Black V-

Cable Lead

End Cap & Cable Lead Option

Silicone End Cap (IP67)



Front Cable Entry



Side Cable Entry



Bottom Cable Entry



Closed End cap

Integral End Cap (IP44)



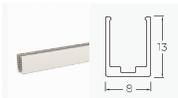
Front Cable Entry



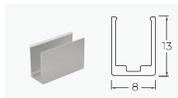
Closed End cap

Accessory

Accessories



Aluminium Profile
Length: 1m/2m/3m



Aluminium Mounting clips
Length: 2cm

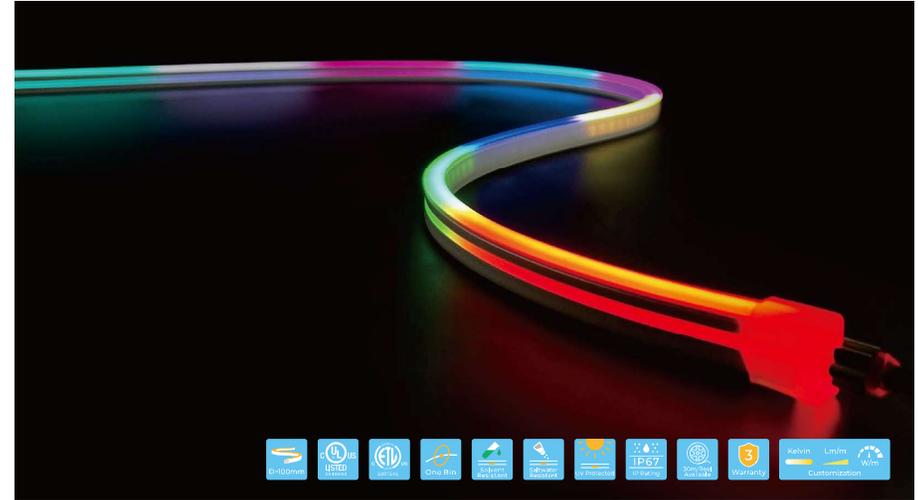


Stainless Steel Mounting clips
Length: 2cm

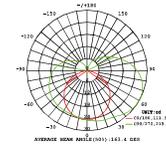


Curved Stainless Steel
mounting profile

PIXEL S0817

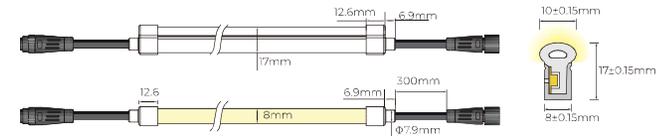


SPI-controlled digital LED neon with WS2811 IC and an arched, wide-angle design, easy to set up and cost-effective, ideal for small indoor projects. Supports color-changing effects, gradients, chases, pulsating patterns, and animations. Compatible with popular platforms like Madrix, Resolume, and Chromateq, easily programmed and synchronized for stunning visual displays. 3-year warranty, lifespan ≥ 30,000 hours, 1 BIN.



Light Distribution Curve

Dimensions



Basic Parameters

Model No.	NP-S0817
Voltage	DC24V
Power(w/m)	12W
Storage Temperature	-25°C~60°C
Ambient Temperature	Tamin=-25°C, Tamax (Tamax45°C)

SPI
Digital

SPI RGB

Voltage	DC24 V
Circuit Design	CV
IC Model	WS2811
Pixels/m	10
Power(w/m)	12w
Max. Run Length	5m
Cutting Length	100mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	38.78	4.8	8.08
	G	111.21	4.8	23.17
	B	17.80	4.8	3.71
	RGB	157.92	12	13.16

Note:

- CV: Constant Voltage CC: Constant Current.
- Max. Run length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished products.
- The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
- The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5.0mm		SPI: Red V+, Green DI/DO, Black V-

Cable Lead

End Cap & Cable Lead Option

Silicone end cap (IP67)



Front Cable Entry



Side Cable Entry



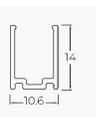
Closed End Cap

Accessory

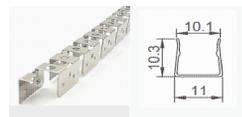
Accessories



Aluminium Mounting clips
Length: 2cm

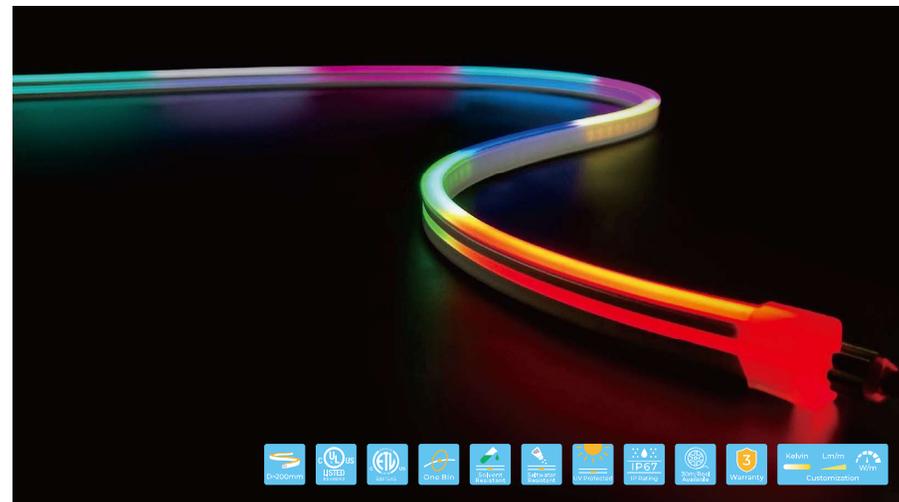


Aluminium Profile
Length: 1m/2m/3m

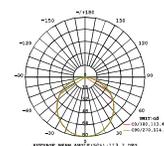


Curved Stainless Steel mounting profile

PIXEL S1212

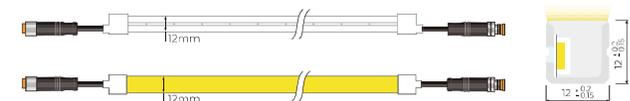


SPI-controlled digital LED neon with WS2811 IC, easy to set up and cost-effective, ideal for small indoor projects. Supports color-changing effects, gradients, chases, pulsating patterns, and animations. Compatible with popular platforms like Madrix, Resolume, and Chromateq, easily programmed and synchronized for stunning visual displays. 3-year warranty, lifespan ≥ 30,000 hours, 1 BIN.



Light Distribution Curve

Dimensions



Basic Parameters

Model No.	NP-S1212
Voltage	DC24V
Power(w/m)	12W
Storage Temperature	-25°C-60°C
Ambient Temperature	Tamin=-25°C, Tamax (Tamax45°C)

SPI
Digital

SPI RGB

Voltage	DC24 V
Circuit Design	CV
IC Model	UCS8603
Pixels/m	8
Power(w/m)	12w
Max. Run Length	5m
Cutting Length	125mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	28	5	5.6
	G	110	5	22.1
	B	20	5	4.0
	RGB	159	12	13.2

SPI
Digital

SPI RGBW

Voltage	DC24 V
Circuit Design	CV
IC Model	UCS2904
Pixels/m	8
Power(w/m)	14.5W
Max. Run Length	5m
Cutting Length	125mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	29	4.8	6.0
	G	78	4.8	16.3
	B	23	4.8	4.8
>90	W(4000K)	96	4.8	20.0
	RGBW	218	14.5	15.0

DMX 512
Digital

DMX512 RGB

Voltage	DC24 V
Circuit Design	CV
IC Model	UCS512C2L
Pixels/m	8
Power(w/m)	12w
Max. Run Length	5m
Cutting Length	125mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	30	4.8	6.3
	G	115	4.8	24.0
	B	20	4.8	4.2
	RGB	161	12	13.4

DMX 512
Digital

DMX512 RGBW

Voltage	DC24 V
Circuit Design	CV
IC Model	UCS512C2L
Pixels/m	8
Power(w/m)	15W
Max. Run Length	5m
Cutting Length	125mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	28	4.8	5.8
	G	80	4.8	16.7
	B	16	4.8	3.3
>90	W(4000K)	96	4.8	20.0
	RGBW	211	15	14.1

Note:

- CV: Constant Voltage CC: Constant Current.
- Max. Run Length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished products.
- The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
- The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5.0mm		SPI (Single data cable): Red V+, Green DI/DO, Black V-
		OD: 5.5mm		SPI (Dual data cable): Red V+, Green BI/BO, Blue DI/DO, Black V-
		OD: 5.5mm		DMX512: Red V+, Green PI/PO, Blue AI/AO, White BI/BO, Black V-
Silicone Cable		OD: 5.0mm		SPI: Red V+, Green DI/DO, Black V-
		OD: 6.0mm		Breakpoint Transmission: RedV+, Green BI/BO, Blue DI/DO, Black V-
		OD: 6.0mm		DMX512: RedV+, Green PI/PO, Blue AI/AO, White BI/BO, Black V-

Cable Lead

End Cap & Cable Lead Option

Integral end cap (IP67)

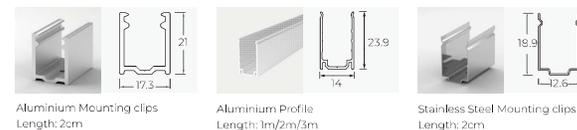


Silicone end cap (IP67)

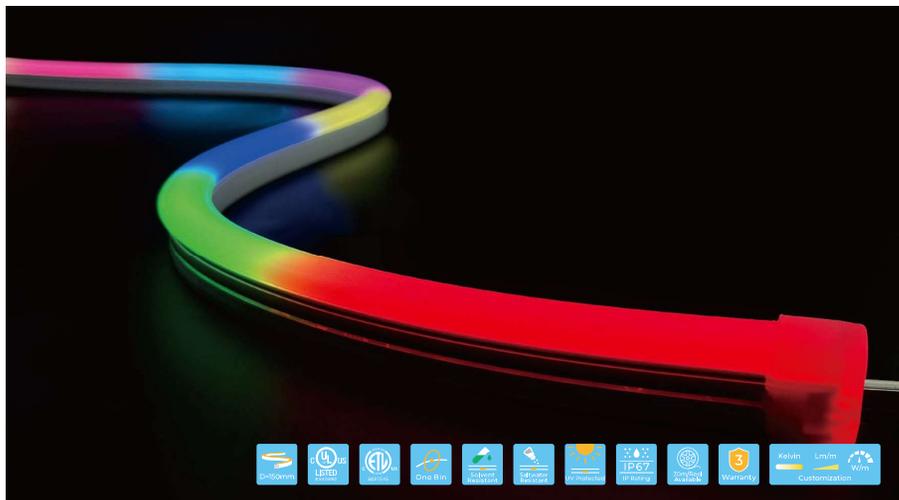


Accessory

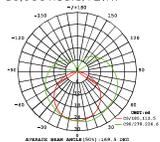
Accessories



PIXEL S1225

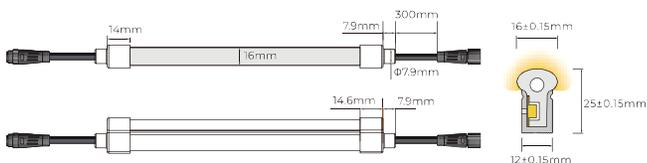


DMX512-controlled digital LED neon with an arched, wide-angle design, offering stable signal and long transmission range—perfect for large outdoor projects. Supports color-changing effects, gradients, chases, pulsating patterns, and animations. Compatible with popular platforms like Madrix, Resolume, and Chromateq, easily programmed and synchronized for stunning visual displays. 3-year warranty, lifespan ≥ 30,000 hours, 1 BIN.



Light Distribution Curve

Dimensions



Basic Parameters

Model No.	NP-S1225
Voltage	DC24V
Power(w/m)	12w/15w
Storage Temperature	-25°C~60°C
Ambient Temperature	Tamin=-25°C, Tamax (Table below)

Output	Low Output	Std Output
Power(w/m)	12w	15w
Max. Ambient tempt.(Tamax)	55°C	45°C

SPI Digital

SPI RGB	
Voltage	DC24 V
Circuit Design	CV
IC Model	UCS8603
Pixels/m	8
Power(w/m)	12w
Max. Run Length	5m
Cutting Length	125mm

SPI Digital

SPI RGBW	
Voltage	DC24 V
Circuit Design	CV
IC Model	UCS2904
Pixels/m	8
Power(w/m)	14.5W
Max. Run Length	5m
Cutting Length	125mm

DMX 512 Digital

DMX512 RGB	
Voltage	DC24 V
Circuit Design	CV
IC Model	UCS512C2L
Pixels/m	8
Power(w/m)	12w
Max. Run Length	5m
Cutting Length	125mm

DMX 512 Digital

DMX512 RGBW	
Voltage	DC24 V
Circuit Design	CV
IC Model	UCS512C2L
Pixels/m	8
Power(w/m)	15W
Max. Run Length	5m
Cutting Length	125mm

Note:
 - CV: Constant Voltage; CC: Constant Current.
 - Max. Run length refers to single side feed in serial connection.
 - The given color temperature is the temperature of finished products.
 - The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
 - The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2KHz.

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	24	5	5.0
	G	102	5	20.4
	B	19	5	3.8
	RGB	145	12	12.1

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	24	4.8	5.0
	G	72	4.8	15.0
	B	22	4.8	4.6
>90	W(4000K)	87	4.8	18.1
	RGBW	200	14.5	13.8

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	27	4.8	5.6
	G	107	4.8	22.3
	B	19	4.8	4.0
	RGB	148	12	12.3

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	26	4.8	5.4
	G	74	4.8	15.4
	B	23	4.8	4.8
>90	W(4000K)	90	4.8	18.8
	RGBW	208	15	13.9

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5.0mm	● ● ●	SPI (Single data cable): Red V+, Green DI/DO, Black V-
		OD: 5.5mm	● ● ● ●	SPI (Dual data cable): Red V+, Green BI/BO, Blue DI/DO, Black V-
Silicone Cable		OD: 5.0mm	● ● ●	SPI: Red V+, Green DI/DO, Black V-
		OD: 6.0mm	● ● ● ●	Breakpoint Transmission: RedV+, Green BI/BO, Blue DI/DO, Black V-
Silicone Cable		OD: 5.0mm	● ● ●	SPI: Red V+, Green DI/DO, Black V-
		OD: 6.0mm	● ● ● ●	DMXS12: RedV+, Green PI/PO, Blue AI/AO, White BI/BO, Black V-



End Cap & Cable Lead Option

Silicone end cap (IP67)



Front Cable Entry



Closed End Cap

Integral End Cap (IP67)



Front Cable Entry



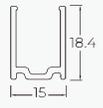
Closed End cap



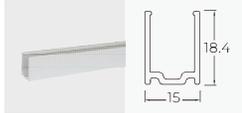
Accessories



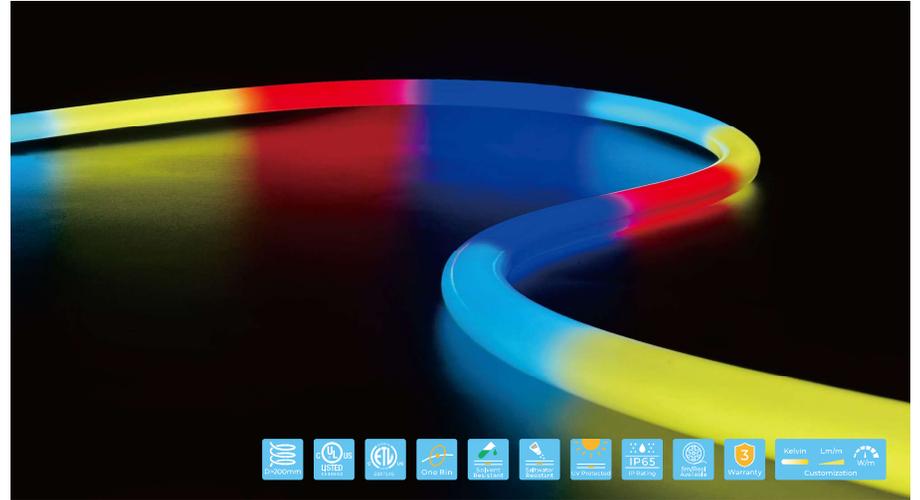
Aluminium Mounting clips
Length: 2cm



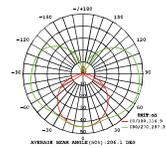
Aluminium Profile
Length: 1m/2m/3m



PIXEL R25

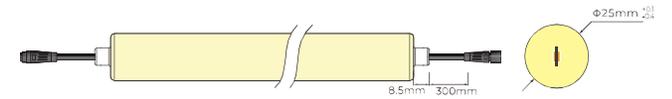


SPI-controlled digital LED neon with WS2811 IC, 25mm diameter, 360° uniform lighting, easy to set up and cost-effective, ideal for small indoor projects. Supports color-changing effects, gradients, chases, pulsating patterns, and animations. Compatible with popular platforms like Madrix, Resolume, and Chromateq, easily programmed and synchronized for stunning visual displays. 3-year warranty, lifespan ≥ 30,000 hours, 1 BIN.



Light Distribution Curve

Dimensions



Basic Parameters

Model No.	NP-R25
Voltage	DC24V
Power(w/m)	25w
Storage Temperature	-25°C-60°C
Ambient Temperature	Tamin=-25°C, Tamax (Tamax45°C)

SPI
Digital

SPI RGB

Voltage	DC24 V
Circuit Design	CV
IC Model	WS2811
Pixels/m	10
Power(w/m)	25w
Max. Run Length	5m
Cutting Length	100mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	91.0	9.1	10.0
	G	268.0	9.1	29.45
	B	41.0	9.1	4.5
	RGB	372.52	22.28	16.72

Note:

- CV: Constant Voltage CC: Constant Current.
- Max. Run length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished products.
- The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
- The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5.5mm		SPI: Red V+, Green DI/DO, Black V-
Silicone Cable		OD: 5.0mm		SPI: Red V+, Green DI/DO, Black V-

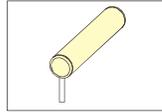
Cable Lead

End Cap & Cable Lead Option

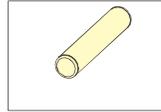
Integral end cap (IP67)



Front Cable Entry



Side Cable Entry



Closed End cap

Accessory

Accessories



PC Clips Set
Transparent PC mounting clips, Tapping screws, Expandable rubber plugs



PC Profile Set
Transparent PC mounting profile, Tapping screws, Expandable rubber plugs



Hanging PC Clips Set
Type: "Ω" Shape installation
Transparent PC mounting clips, Kit of hanging rope, Screws



Hanging PC Profile Set
Type: "Ω" Shape installation
Transparent PC mounting profile, Kit of hanging rope, Screws



Mounting Metal Base Set
Type: "I" Shape installation
Kit of metal base, Tapping screws, Expandable rubber plugs



Mounting Metal Base Set
Type: "U" Shape installation
Kit of metal base, Tapping screws, Expandable rubber plugs



Hanging Metal Base Set
Type: "I" Shape installation
Kit of "I" type hanging mounting with rope, Tapping screws, Expandable rubber plugs



Metal Connector for Side Cable Entry
Metal connector with side outlet, Tapping screws



Metal Connector for Front Cable Entry
Metal connector, Tapping screws



Mounting PC clips Set
Type: "Ω" Shape installation
Transparent PC clips, Transparent PC pedestals with one hole, Tapping screws, Expandable rubber plugs



Hanging PC clips Set
Type: "Ω" Shape installation
"Ω" type transparent PC clips, Transparent PC pedestals with one hole, Kit of hanging rope, Machine screws



Mounting Concealed PC clips Set
Transparent PC pedestals with two holes, Transparent PC pedestals with five holes, Tapping screws, Expandable rubber plugs



Hanging Concealed PC clips Set
Type: "Ω" Shape installation
Transparent PC pedestals with five holes, Tapping screws, Kit of hanging rope, Machine screws



Adjustable Hanging PC Clips Set
Type: "Ω" Shape installation
Transparent PC mounting clips, Machine screws, Kit of telescopic rod



Adjustable Hanging PC profile Set
Type: "Ω" Shape installation
Transparent PC mounting profile, Machine screws, Kit of telescopic rod



Adjustable Hanging PC clips Set
Type: "Ω" Shape installation
"Ω" type transparent PC clips, Transparent PC pedestals with one hole, Kit of telescopic rod



Adjustable Hanging with Concealed PC clips
Type: "Ω" Shape installation
Transparent PC pedestals with five holes, Tapping screws, Kit of telescopic rod, Machine screws



PC Connector for Side Cable Entry
Screws, Transparent side outlet connector



Hanging PC Connector for Side Cable Entry
Screws, Kit of hanging rope, Expandable rubber plugs, Tapping screws, Transparent side outlet connector



PC Connector for Front Cable Entry
Screws, Transparent connector



Hanging PC Connector Set
Screws, Kit of hanging rope, Expandable rubber plugs, Tapping screws, Transparent connector



Hanging PC Tube Set
Tube Length: 1m
Type: "Ω" Shape installation
Screws, Kit of hanging rope, Expandable rubber plugs, Tapping screws, Transparent circular tube



Hanging PC Tube Set
Tube Length: 1m
Type: "Ω" Shape installation
Screws, Kit of hanging rope, Expandable rubber plugs, Tapping screws, Transparent circular tube



The Head



The End

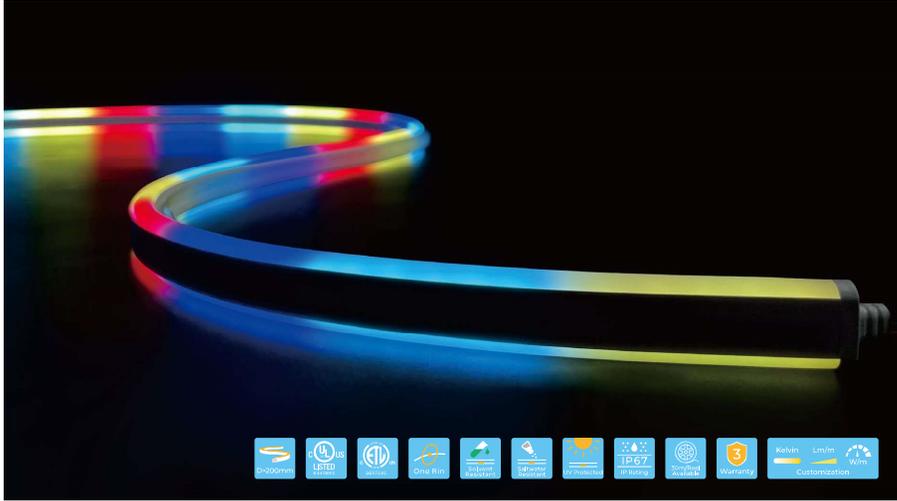


The Head

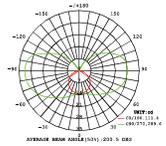


The End

PIXEL DUAL 1612

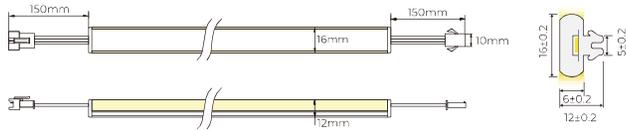


SPI-controlled digital LED neon with WS2811 IC and a unique two-sided luminous structure. Easy to set up and cost-effective, ideal for small indoor projects. Supports color-changing effects, gradients, chases, pulsating patterns, and animations. Compatible with popular platforms like Madrix, Resolume, and ChromaQ, easily programmed and synchronized for stunning visual displays. 3-year warranty, Lifespan ≥ 30,000 hours, 1 BIN.



Light Distribution Curve

Dimensions



Basic Parameters

Model No.	NP-DUAL-1612
Voltage	DC24V
Power(w/m)	12w
IP Rating	IP65
Storage Temperature	-25°C~60°C
Ambient Temperature	Tamin=-25°C, Tamax (Tamax45°C)

SPI Digital

SPI RGB

Voltage	DC24 V
Circuit Design	CV
IC Model	WS2811
Pixels/m	10
Power(w/m)	12w
Max. Run Length	5m
Cutting Length	100mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	47.66	4.8	9.93
	G	132.82	4.8	27.67
	B	21.02	4.8	4.38
	RGB	189.12	12	15.76

Note:

- CV: Constant Voltage CC: Constant Current.
- Max. Run length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished products.
- The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
- The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5.0mm		SPI: Red V+, Green DI/DO, Black V-

Cable Lead

End Cap & Cable Lead Option

Front Cable Entry

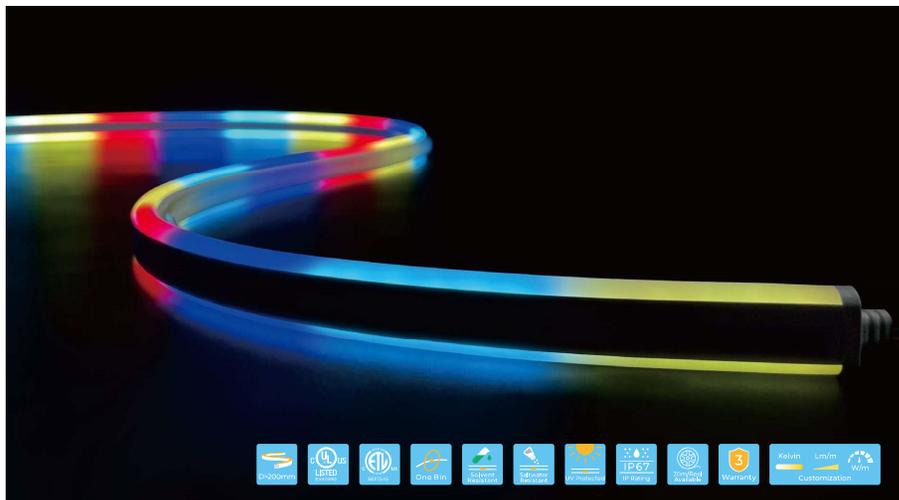


Front Cable Entry

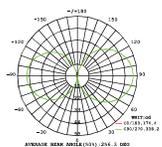


Closed End Cap

PIXEL DUAL 1615

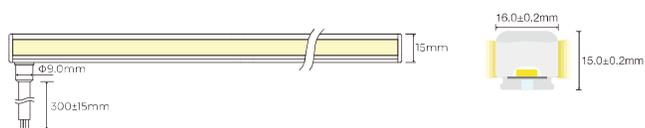


SPI-controlled digital LED neon with WS2811 IC and a unique two-sided luminous structure. Easy to set up and cost-effective, ideal for small indoor projects. Supports color-changing effects, gradients, chases, pulsating patterns, and animations. Compatible with popular platforms like Madrix, Resolume, and Chromateq, easily programmed and synchronized for stunning visual displays. 3-year warranty, lifespan ≥ 30,000 hours, 1 BIN.



Light Distribution Curve

Dimensions



Basic Parameters

Model No.	NP-DUAL-1615
Voltage	DC24V
Power(w/m)	12w/15w
IP Rating	IP67
Storage Temperature	-25°C~60°C
Ambient Temperature	Tamin=-25°C, Tamax (Tamax)45°C

SPI Digital

SPI RGB

Voltage	DC24 V
Circuit Design	CV
IC Model	UCS1903
Pixels/m	8
Power(w/m)	12w
Max. Run Length	5m
Cutting Length	125mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	37	5	7.4
	G	107	5	21.3
	B	18	5	3.7
	RGB	153	12	12.8

SPI Digital

SPI RGBW

Voltage	DC24 V
Circuit Design	CV
IC Model	UCS2904
Pixels/m	8
Power(w/m)	15w
Max. Run Length	5m
Cutting Length	125mm

Parameters

CRI	CCT	lm/m	w/m	lm/w
--	R	26	4.8	5.4
	G	74	4.8	15.4
	B	23	4.8	4.8
	W(4000K)	90	4.8	18.8
	RGBW	208	15	13.9

Note:

- CV: Constant Voltage CC: Constant Current.
- Max. Run Length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished products.
- The given data are typical values. Due to tolerances of the production process and the electrical components testing parameters can vary up to 10%.
- The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
Silicone Cable		OD: 5.0mm		SPI: Red V+, Green DI/DO, Black V-

Cable Lead

End Cap & Cable Lead Option

Integral End Cap (IP67)



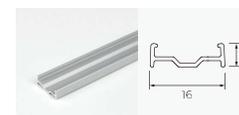
Front Cable Entry

Bottom End Cap

Closed End Cap

Accessory

Accessories

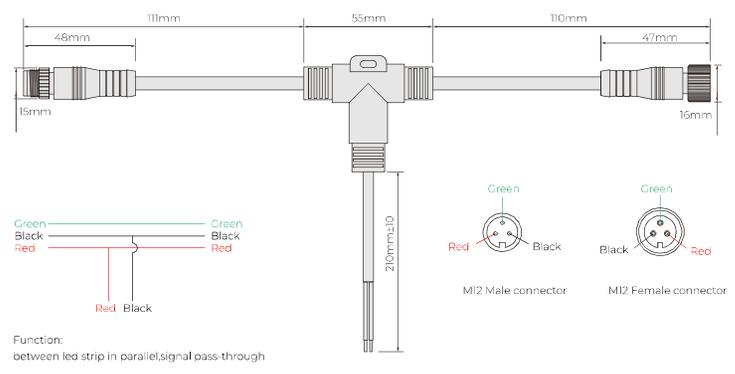


Aluminium Profile
Length: 1m/2m/3m

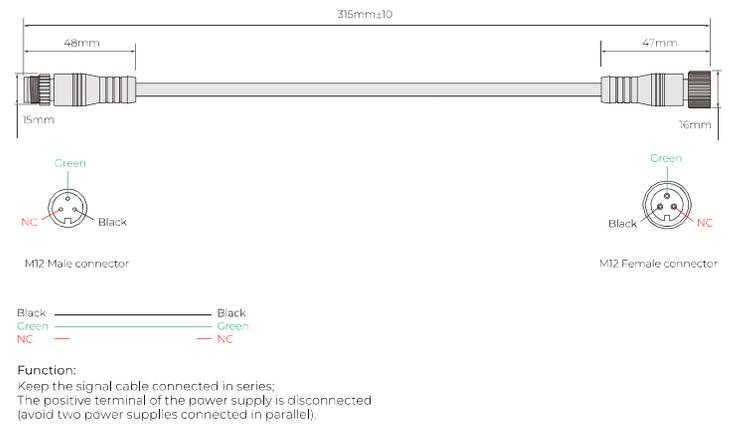
SPI
Digital

>>> SPI Cable Connector

T-type 3 channel connector

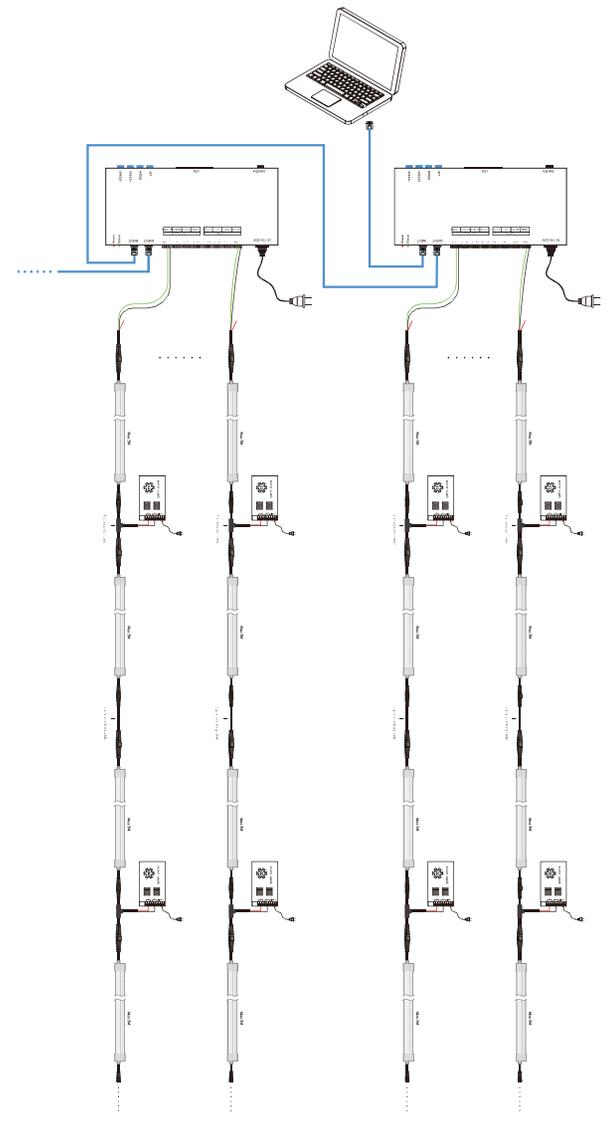


Signal switching cable



SPI
Digital

>>> Control system connection diagram-SPI Signal

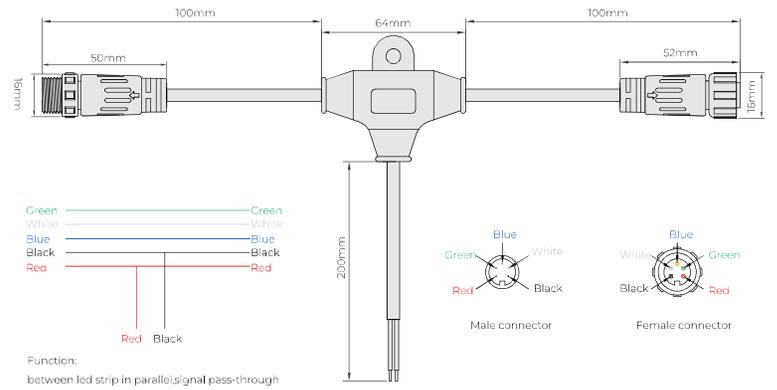


DMX 512
Digital

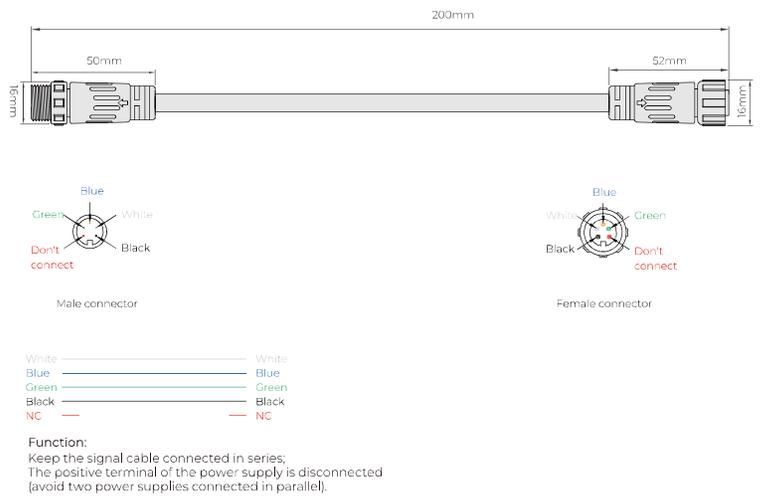


DMX512 Cable Connector

T-type 5 channel connector



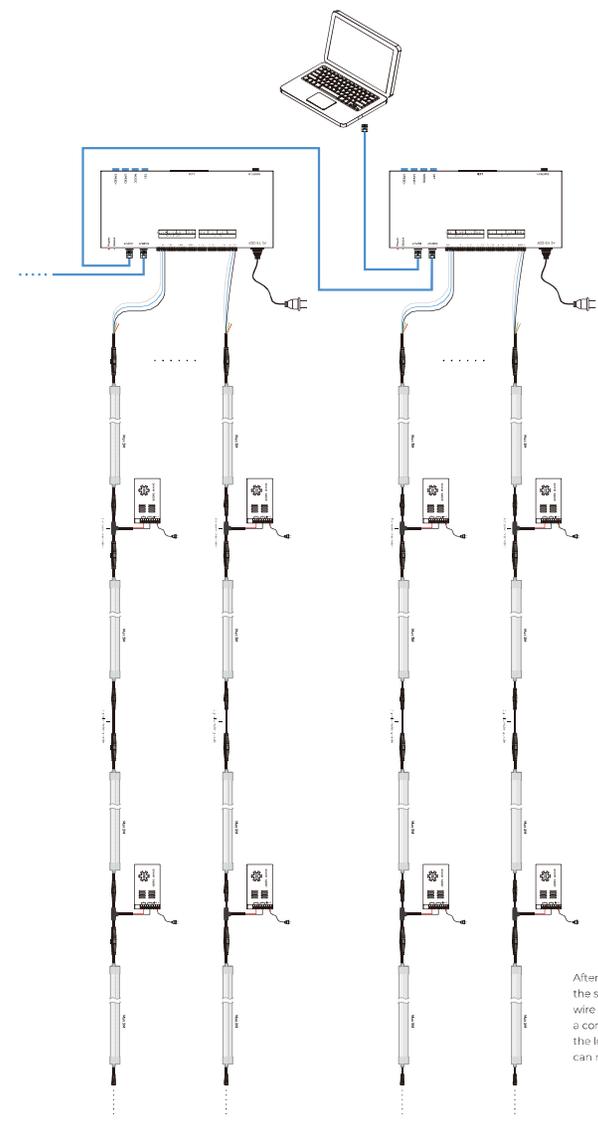
Signal switching cable



DMX 512
Digital



Control system connection diagram-DMX512



After the led strip is connected to the signal wire and power supply wire correctly, it is necessary to use a controller or order to address the led strip, then the controller can run the control effect program.