

PROJECT:		PREPARED BY:	
PART #		QTY:	
NOTES:		DATE:	



SPI

Simple application, only need a single data cable can complete the transmission of data;

Breakpoint Transmission

With dual data cable, the main data cable can be automatically switched to the standby data cable when the fault, enhance the reliability of data transmission;



DMX512

Compatible with international standard protocol DMX512 (1990).
Adopting signal differential transmission mode, to ensure stronger anti-interference ability and longer transmission distance.



Product List

Model	Voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	IC Model	Page
TL-N1615V24-Crgb-WS2818	DC24V	12	262	21.8	8	125	UCS2603 WS2818	
TL-N1615V24-Crgbw-UCS2904	DC24V	14.5	342	23.6	8	125	UCS2904	01
TL-N1615V24-Crgb-DMX512	DC24V	12	266	22.2	8	125	UCS512C2L	
TL-N1615V24-Crgbw-DMX512	DC24V	15	329	21.9	8	125	UCS512C2L	
TL-N1220V24-Crgb-WS2818	DC24V	12	159	13.3	8	125	UCS2603 WS2818	
TL-N1220V24-Crgbw-UCS2904	DC24V	14.5	218	15.0	8	125	UCS2904	03
TL-N1220V24-Crgb-DMX512	DC24V	12	161	13.4	8	125	UCS512C2L	
TL-N1220V24-Crgbw-DMX512	DC24V	15	211	14.1	8	125	UCS512C2L	
TL-N1225V24-Crgb-WS2818	DC24V	12	145	12.1	8	125	UCS2603 WS2818	
TL-N1225V24-Crgbw-UCS2904	DC24V	14.5	200	13.8	8	125	UCS2904	05
TL-N1225V24-Crgb-DXM512	DC24V	12	148	12.3	8	125	UCS512C2L	
TL-N1225V24-Crgbw-DXM512	DC24V	15	208	13.9	8	125	UCS512C2L	
TL-N1212V24-Crgb-WS2811	DC24V	12.5	266	21.3	10	100	WS2811	07
TL-N0612V24-Crgb-WS2811	DC24V	12.5	162	13.0	10	100	WS2811	08
TL-N0817V24-Crgb-WS2811	DC24V	12.5	152	12.2	10	100	WS2811	09
TL-N1010V24-Crgb-WS2811	DC24V	12.5	304	24.3	10	100	WS2811	10
TL-ND16V24-Crgb-WS2811	DC24V	12.5	294	23.5	10	100	WS2811	11
TL-DN1612V24-Crgb-WS2811	DC24V	12.5	266	21.3	10	100	WS2811	12
TL-NR25V24-Crgb-WS2811	DC24V	25	474	19	10	100	WS2811	13
TL-EN0817V24-Crgb-WS2811	DC24V	12.5	177	14.2	10	100	WS2811	15
TL-EN1212V24-Crgb-WS2811	DC24V	12.5	277	22.2	10	100	WS2811	16





Note: If there are multiple IC model options for a product in the selection table, it only means that the PCB can be compatible with the listed IC models, but it does not mean that the control protocols of the listed IC are the same. When the customer chooses the controller by himself, please check whether the controller supports the IC of the specified light strip.



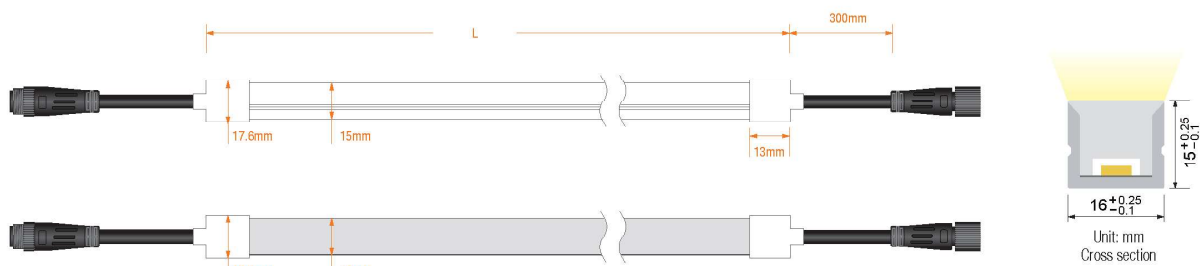


Product Features





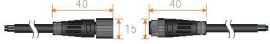






- It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
- Environmental protection grade silicone material, integrated extrusion molding process.
- Unique optical light distribution structure design, uniform lighting surface and no shadow.
- IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.
- Excellent toughness, simple and stylish appearance, delicate and unique.
- 3 years warranty, working life ≥ 30000 hours;

 Voltage 24v DC	 IP Level IP 67	 UV Protection	 Warranty 3 Years
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Dimension structure



Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5.0mm		SPI: Red V+, Green DI/DO, Black V-
		OD: 5.5mm		Breakpoint Transmission: RedV+, GreenRI/RO, BlueDI/DO, BlackV-
		OD: 5.5mm 40mm, 15mm, 40mm		DMX512: RedV+, GreenPI/PO, BlueAI/AO, WhiteBI/BO, BlackV-
Silicone Cable		OD: 5.0mm		SPI: RedV+, GreenDI/DO, BlackV-
		OD: 6.0mm		Breakpoint Transmission: RedV+, GreenRI/RO, BlueDI/DO, BlackV-
		OD: 6.0mm 40mm, 15mm, 40mm		DMX512: RedV+, GreenPI/PO, BlueAI/AO, WhiteBI/BO, BlackV-



PROJECT:		PREPARED BY:	
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TK Series DIGITAL LED NEON

Product specification	Model:TL-N1615
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RGB (TL-N1615V24-Crgb-WS2818)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	5	R	48	9.6	8	125	Breakpoint Transmission	UCS2603/WS2818
	5	G	184	36.8				
	5	B	32	6.4				
	12	RGB	262	21.8				

RGBW (TL-N1615V24-Crgbw-UCS2904)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	42	8.8	8	125	SPI	UCS2904
	4.8	G	117	24.4				
	4.8	B	36	7.5				
	4.8	W(4000K)	162	33.8				
	14.5	RGBW	342	23.6				

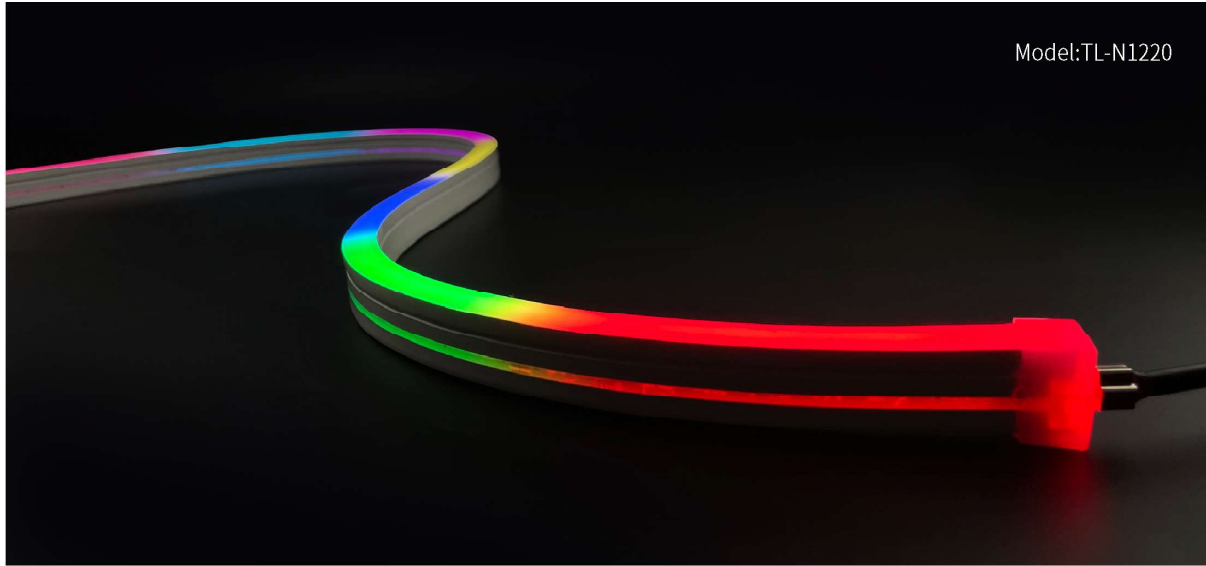
RGB (TL-N1615V24-Crgb-DMX512)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	51	10.6	8	125	DMX512	UCS512C2L
	4.8	G	191	39.8				
	4.8	B	32	6.7				
	12	RGB	266	22.2				

RGBW (TL-N1615V24-Crgbw-DMX512)





Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	44	9.2	8	125	DMX512	UCS512C2L
	4.8	G	119	24.8				
	4.8	B	34	7.1				
	4.8	W(4000K)	153	31.9				
	15	RGBW	329	21.9				



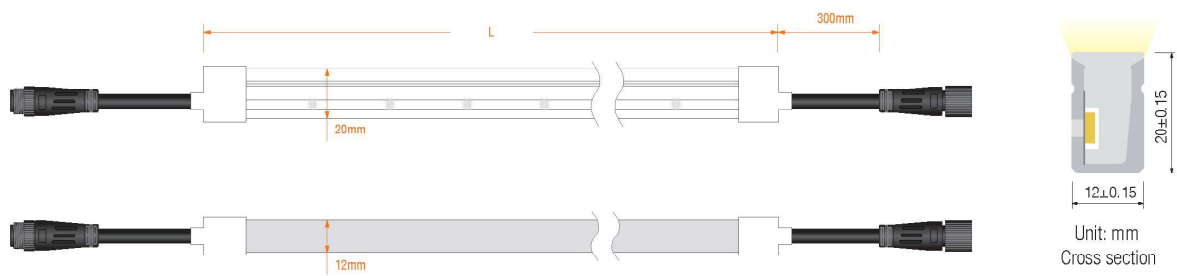


Product Features













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 Voltage 24V DC	 IP Level IP 67	 UV Protection	 Warranty 3 Years
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Dimension structure



Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5.0mm		SPI: Red V+, Green DI/DO, Black V-
		OD: 5.5mm		Breakpoint Transmission: RedV+, GreenBI/BO, BlueDI/DO, BlackV-
		OD: 5.5mm		DMX512: RedV+, GreenPI/PO, BlueAI/AO, WhiteBI/BO, BlackV-
Silicone Cable		OD: 5.0mm		SPI: RedV+, GreenDI/DO, BlackV-
		OD: 6.0mm		Breakpoint Transmission: RedV+, GreenBI/BO, BlueDI/DO, BlackV-
		OD: 6.0mm		DMX512: RedV+, GreenPI/PO, BlueAI/AO, WhiteBI/BO, BlackV-

PROJECT:		PREPARED BY:	
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TK Series DIGITAL LED NEON

Product specification

Model:TL-N1220

RGB (TL-N1220V24-Crgb-WS2818)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	5	R	28	5.6	8	125	Breakpoint Transmission	UCS2603/WS2818
	5	G	110	22.1				
	5	B	20	4.0				
	12	RGB	159	13.2				

RGBW (TL-N1220V24-Crgbw-UCS2904)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	29	6.0	8	125	SPI	UCS2904
	4.8	G	78	16.3				
	4.8	B	23	4.8				
	4.8	W(4000K)	96	20.0				
	14.5	RGBW	218	15.0				

RGB (TL-N1220V24-Crgb-DMX512)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	30	6.3	8	125	DMX512	UCS512C2L
	4.8	G	115	24.0				
	4.8	B	20	4.2				
	12	RGB	161	13.4				

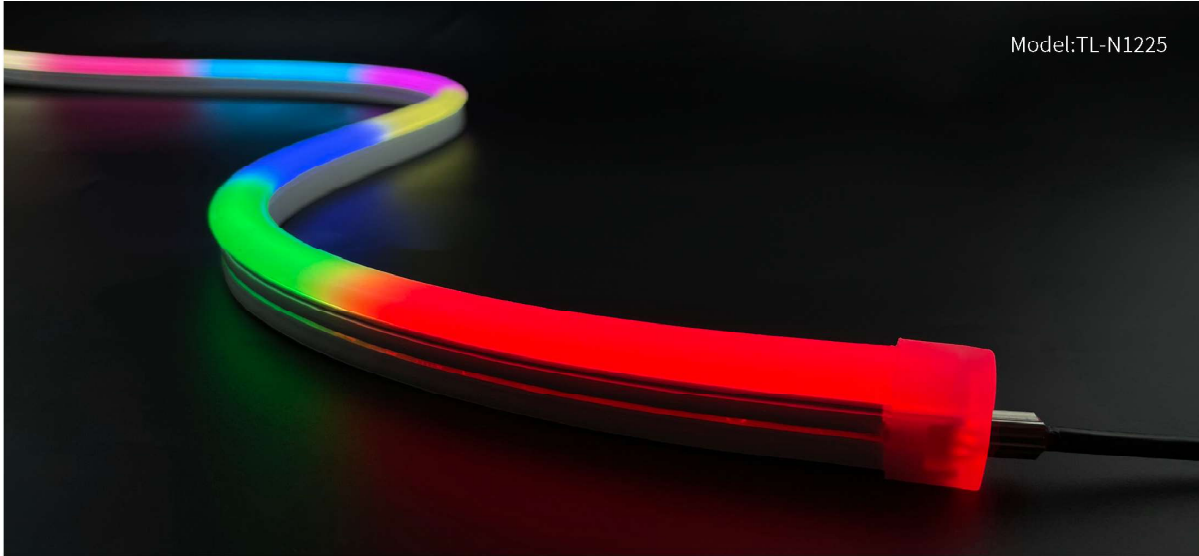
RGBW (TL-N1220V24-Crgbw-DMX512)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	28	5.8	8	125	DMX512	UCS512C2L
	4.8	G	80	16.7				
	4.8	B	16	3.3				
	4.8	W(4000K)	96	20.0				
	15	RGBW	211	14.1				



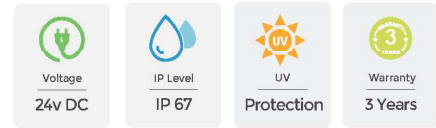
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PART #		QTY:	
NOTES:		DATE:	

TK Series DIGITAL LED NEON

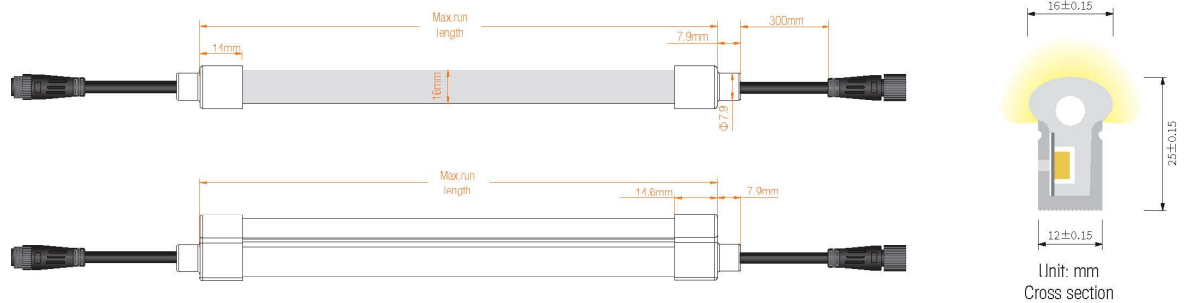


Product Features













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- Excellent toughness, simple and stylish appearance, delicate and unique.
- 3 years warranty, working life ≥ 30000 hours;



Dimension structure



Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5.0mm		SPI: Red V+, Green DI/DO, Black V-
		OD: 5.5mm		Breakpoint Transmission: RedV+, GreenBI/BO, BlueDI/DO, BlackV-
		OD: 5.5mm		DMX512: RedV+, GreenPI/PO, BlueAI/AO, WhiteBI/BO, BlackV-
Silicone Cable		OD: 5.0mm		SPI: RedV+, GreenDI/DO, BlackV-
		OD: 6.0mm		Breakpoint Transmission: RedV+, GreenBI/BO, BlueDI/DO, BlackV-
		OD: 6.0mm		DMX512: RedV+, GreenPI/PO, BlueAI/AO, WhiteBI/BO, BlackV-



PROJECT:		PREPARED BY:	
PART #		QTY:	
NOTES:		DATE:	

TK Series DIGITAL LED NEON

Product specification	Model:TL-N1225
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RGB (TL-N1225V24-Crgb-WS2818)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	5	R	25	5.0	8	125	Breakpoint Transmission	UCS2603/WS2818
	5	G	102	20.4				
	5	B	19	3.8				
	12	RGB	145	12.1				

RGBW (TL-N1225V24-Crgbw-UCS2904)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	24	5.0	8	125	SPI	UCS2904
	4.8	G	72	15.0				
	4.8	B	22	4.6				
	4.8	W(4000K)	87	18.1				
	14.5	RGBW	200	13.8				

RGB (TL-N1225V24-Crgb-DXM512)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	27	5.6	8	125	DMX512	UCS512C2L
	4.8	G	107	22.3				
	4.8	B	19	4.0				
	12	RGB	148	12.3				

RGBW (TL-N1225V24-Crgbw-DXM512)

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	26	5.4	8	125	DMX512	UCS512C2L
	4.8	G	74	15.4				
	4.8	B	23	4.8				
	4.8	W(4000K)	90	18.8				
	15	RGBW	208	13.9				



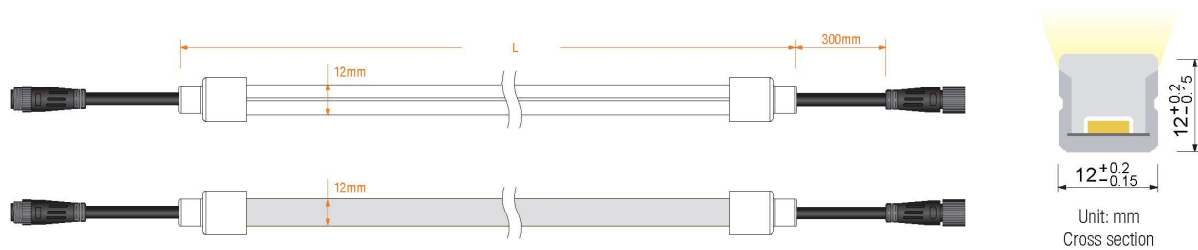


Product Features



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- 3 years warranty, working life ≥ 30000 hours;



Dimension structure



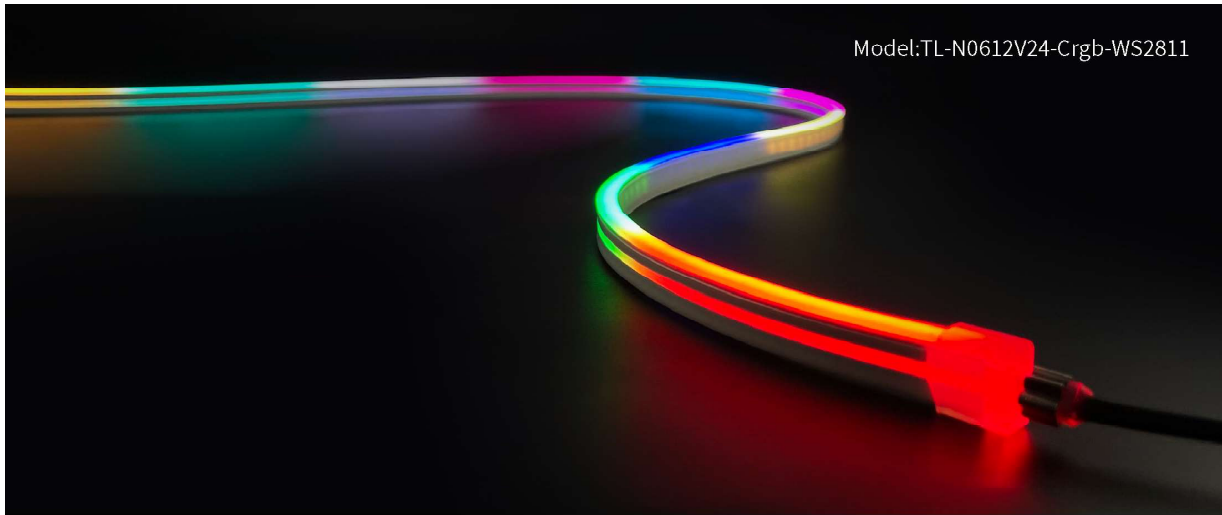
Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5,0mm		SPI: Red V+, Green DI/D.O, Black V-

RGB

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	60	12.5	10	100	SPI	WS2811
	4.8	G	194	40.4				
	4.8	B	33	6.9				
	12.5	RGB	266	21.3				

TK Series DIGITAL LED NEON

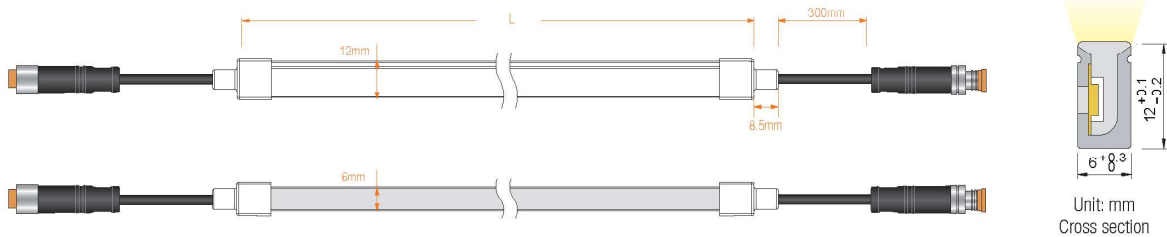


Product Features



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Dimension structure



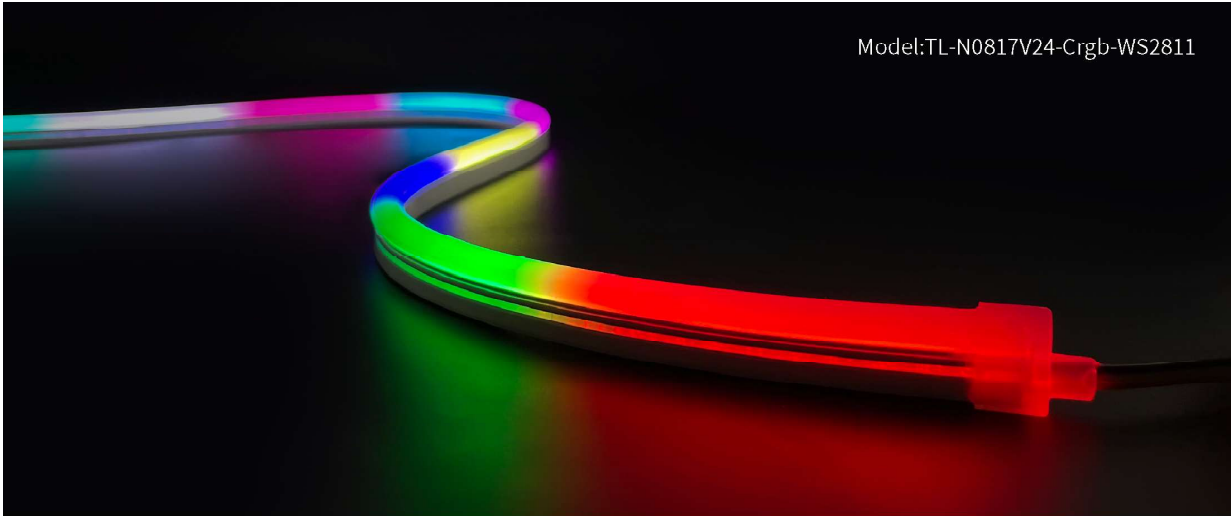
Cable

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

RGB

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	42	8.8	10	100	SPI	WS2811
	4.8	G	122	25.4				
	4.8	B	22	4.6				
	12.5	RGB	162	13.0				

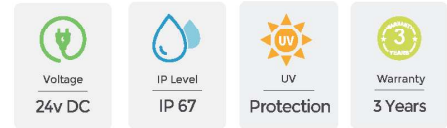
TK Series DIGITAL LED NEON



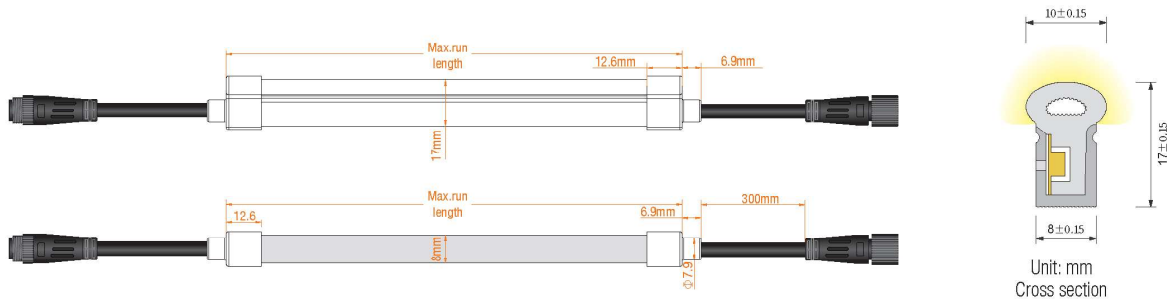
Model: TL-N0817V24-Crgb-WS2811

Product Features



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Dimension structure



Cable

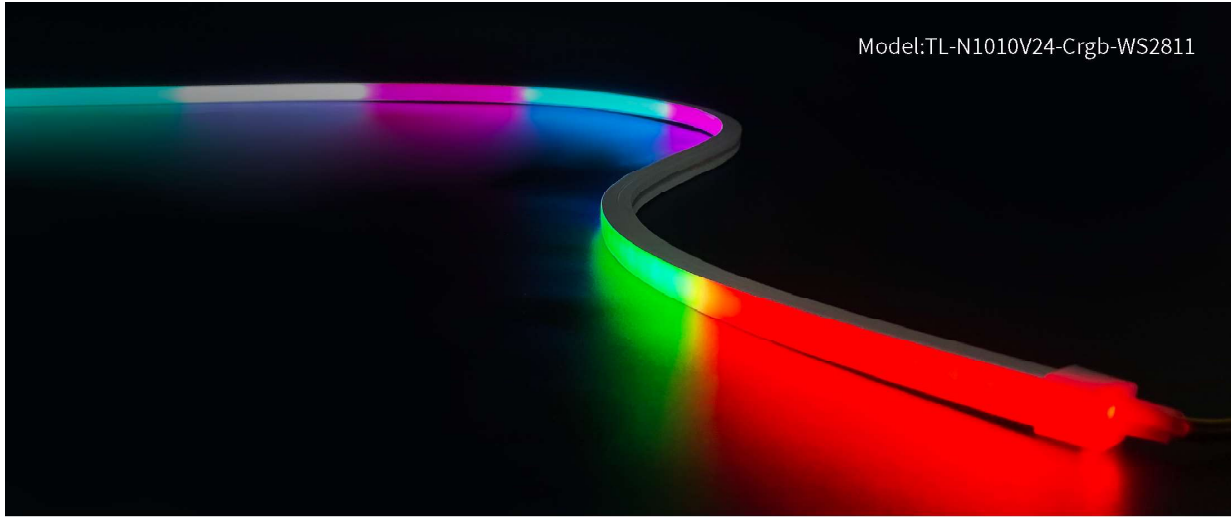
Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD: 5.0mm		SPI: Red V+, Green DI/DO, Black V-

RGB

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	36	7.5	10	100	SPI	WS2811
	4.8	G	114	23.8				
	4.8	B	19	4.0				
	12.5	RGB	152	12.2				



PROJECT:		PREPARED BY:	
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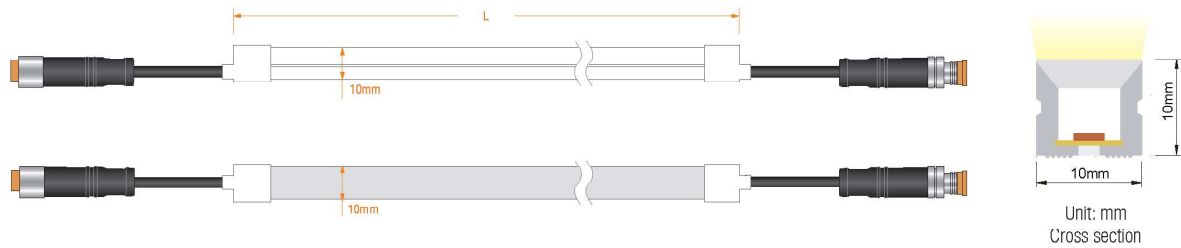


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- Excellent toughness, simple and stylish appearance, delicate and unique.
- 3 years warranty, working life \geq 30000 hours;

 Voltage 24v DC	 IP Level IP 67	 UV Protection	 Warranty 3 Years
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Dimension structure



Cable

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

RGB

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	69	14.4	10	100	SPI	WS2811
	4.8	G	216	45.0				
	4.8	B	35	7.3				
	12.5	RGB	304	24.3				

