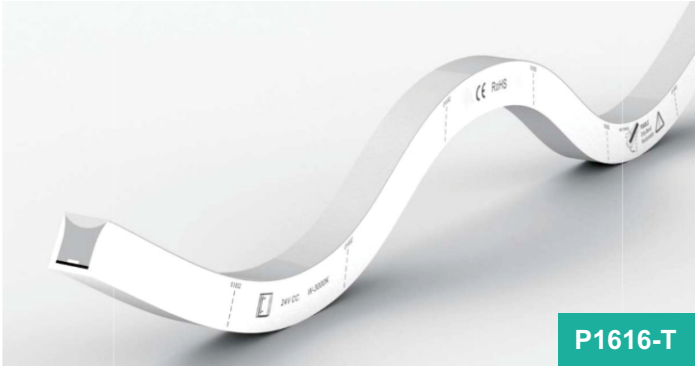
Premium LED Flex Neon Light

P1616-T
P1616-S

P1616-Tri

Featuring advanced tri-color silicone co-extrusion and full silicone encapsulation technologies, the P1616 Series delivers uniform illumination, enhanced visual presence, and reliable long-term outdoor performance. Its balanced profile provides greater flexibility for architectural integration while creating clear and continuous linear lighting effects. With an IP67 protection rating, it offers excellent resistance to water, dust, UV exposure, and yellowing, making it ideal for architectural façades, building contours, landscape features, and premium outdoor decorative lighting applications.





Tri-Color Silicone Co-Extrusion Technology

Tri-Color Silicone Co-Extrusion Technology delivers higher luminous efficiency and consistent light output.

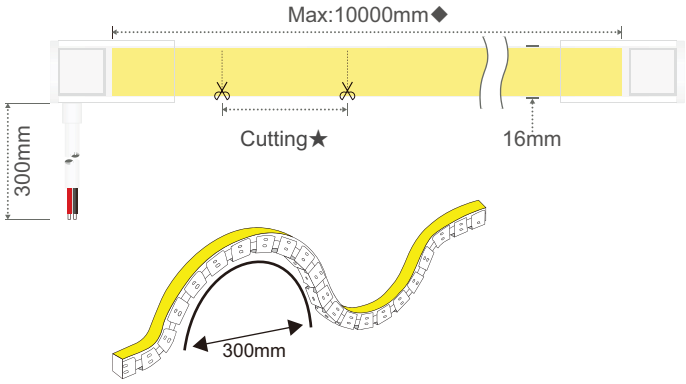
IP67

Full silicone encapsulation technology, LED&PCB fully sealed, no any water immersion risk.

Dotless

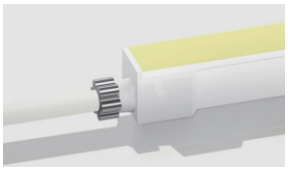
Uniform light emission, no dark areas.

BENDING DIAGRAM



VARIOUS CABLE ENTRY

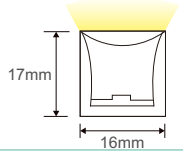

Side Out(Default)

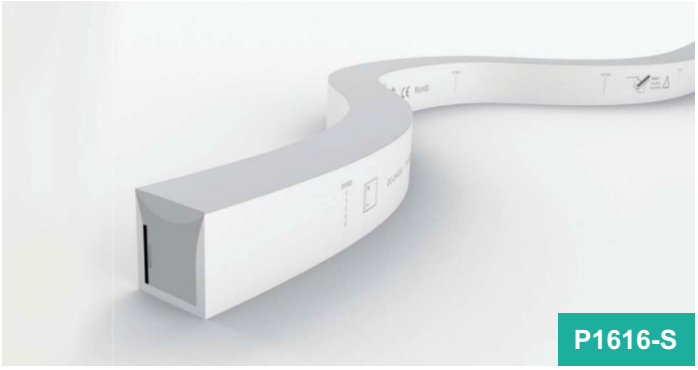

Direct Out


Bottom Out


End cap

PRODUCT PARAMETERS

NEON/P1616-T	Single	TW	RGB	RGBW	Single / RGB DMX	RGBW DMX
						
Input	DC24V					
LED type	SMD					
CRI	>80					
IP rating	IP67					
LED/M | Pixel/M	120pcs/M	120pcs/M	84pcs/M	84pcs/M	84pcs/M | 12pixel/M	84pcs/M | 12pixel/M
M/Reel◆	10M/Reel	8M/Reel	7M/Reel	5M/Reel	7M/Reel	7M/Reel
Power	13W/M	15W/M	15W/M	15W/M	16W/M	16W/M
Lumen/M	1040 lm/M @3000K	480+580 lm/M	550 lm/M	740 lm/M	950 lm/M(Single) 580 lm/M(RGB)	790 lm/M
Cutting★	50mm	50mm	71.4mm	71.4mm	83.3mm	83.3mm
BA						
CCT	2700K 3000K 3500K 4000K 5000K 6500K R G B	2200K 5700K			DMX	DMX DMX



Tri-Color Silicone Co-Extrusion Technology

Tri-Color Silicone Co-Extrusion Technology delivers higher luminous efficiency and consistent light output.

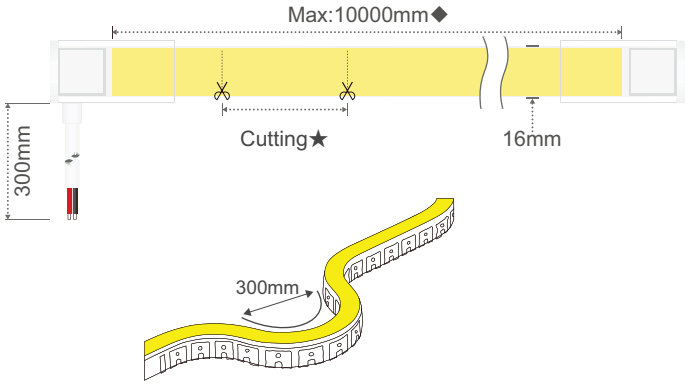
IP67

Full silicone encapsulation technology, LED&PCB fully sealed, no any water immersion risk.

Dotless

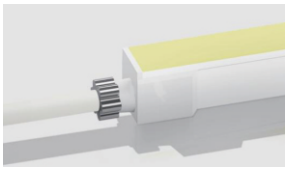
Uniform light emission, no dark areas.

BENDING DIAGRAM



VARIOUS CABLE ENTRY

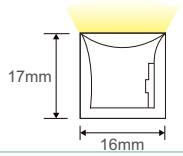

Side Out(Default)


Direct Out


Bottom Out


End cap

PRODUCT PARAMETERS

NEON/P1616-S	Single	TW	RGB	RGBW	Single / RGB DMX	RGBW DMX
						
Input	DC24V					
LED type	SMD					
CRI	>80					
IP rating	IP67					
LED/M | Pixel/M	120pcs/M	120pcs/M	84pcs/M	84pcs/M	84pcs/M | 12pixel/M	84pcs/M | 12pixel/M
M/Reel◆	10M/Reel	8M/Reel	7M/Reel	5M/Reel	7M/Reel	5M/Reel
Power	13W/M	15W/M	15W/M	15W/M	16W/M	16W/M
Lumen/M	910 lm/M @3000K	450+530 lm/M	470 lm/M	640 lm/M	820 lm/M(Single) 500 lm/M(RGB)	680 lm/M
Cutting★	50mm	50mm	71.4mm	71.4mm	83.3mm	83.3mm
BA						
CCT	2700K 3000K 3500K 4000K 5000K 6500K R G B	2200K 5700K			DMX	DMX DMX



Tri-Color Silicone Co-Extrusion Technology

Tri-Color Silicone Co-Extrusion Technology delivers higher luminous efficiency and consistent light output.

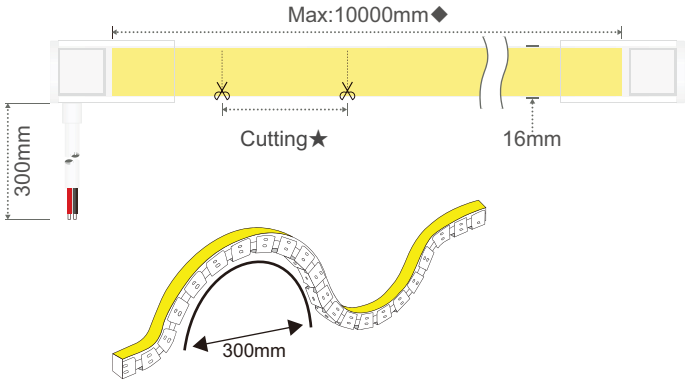
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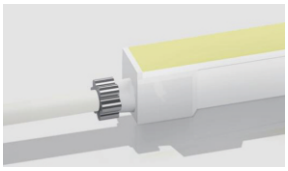
Uniform light emission, no dark areas.

BENDING DIAGRAM



VARIOUS CABLE ENTRY

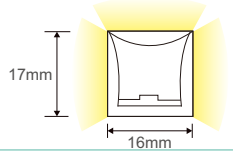

Side Out(Default)


Direct Out


Bottom Out


End cap

PRODUCT PARAMETERS

NEON/P1616-Tri	Single	TW	RGB	RGBW	Single / RGB DMX	RGBW DMX
						
Input	DC24V					
LED type	SMD					
CRI	>80					
IP rating	IP67					
LED/M | Pixel/M	120pcs/M	120pcs/M	84pcs/M	84pcs/M	84pcs/M | 12pixel/M	84pcs/M | 12pixel/M
M/Reel◆	10M/Reel	8M/Reel	7M/Reel	5M/Reel	7M/Reel	5M/Reel
Power	13W/M	15W/M	15W/M	15W/M	16W/M	16W/M
Lumen/M	1300 lm/M @3000K	450+530 lm/M	580 lm/M	780 lm/M	990 lm/M(Single) 610 lm/M(RGB)	830 lm/M
Cutting★	50mm	50mm	71.4mm	71.4mm	83.3mm	83.3mm
BA						
CCT	2700K 3000K 3500K 4000K 5000K 6500K R G B	2200K 5700K			DMX	DMX DMX



COMPATIBILITY

ON/OFF | Triac | 0/1-10V | DALI | DMX

KEY STRUCTURAL FEATURES



A waterproof barrier ring is fitted on the cable 120 mm away from the front connector to prevent water ingress inside the cable.



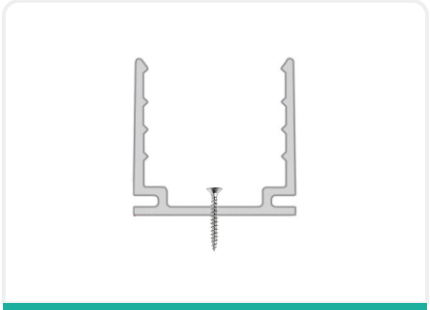
Anti-dust surface treatment delivers an ultra-smooth touch and excellent dust resistance for the neon light.



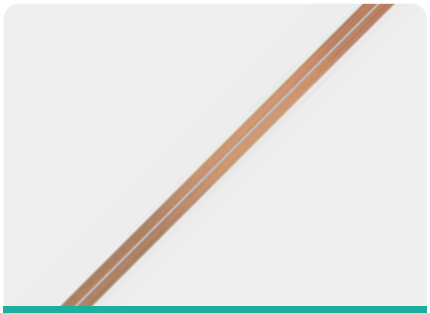
Tri-Color Silicone Co-Extrusion Technology delivers higher luminous efficiency and consistent light output.



DIY solder-free connectors, making on-site wiring simpler.

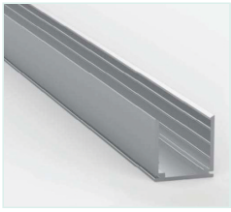
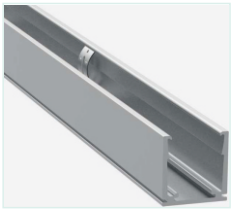
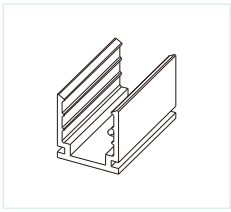
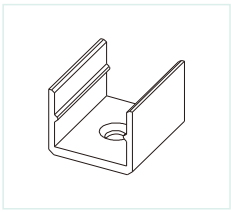
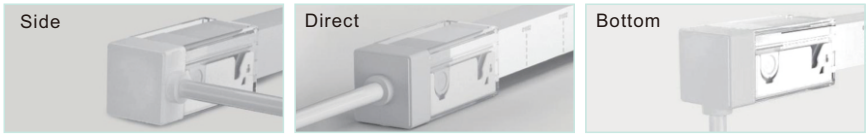
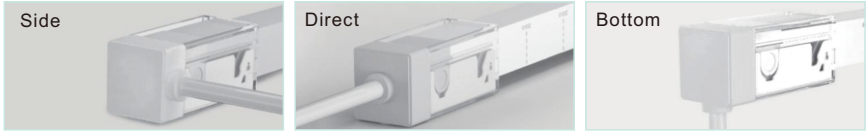


Screw Head Recess Design



Features calendered copper FPC with a thickness of 4oz

INSTALLATION ACCESSORIES

Category	Model	Description	Picture
NEON/P1616-T NEON/P1616-S	Aluminum Profile	Size:19x17x2000mm	
	3D Flexible Profile	SUS304 SUS316 Size:19x17mm	
	Alu Profile with Clips	Size:21x22x1000mm	
	Aluminum Clip	Size:19x17x50mm	
NEON/P1616-Tri	Aluminum Profile	Size:20x8x2000mm	
	Transparent PC	Size:20x8x25mm	
NEON/P1616-T NEON/P1616-Tri	Input cap		
NEON/P1616-S	Input cap		
NEON/P1616-T NEON/P1616-S NEON/P1616-Tri	End cap		