

Planar Neon Series Flexi NS1217-Plus (Side Bend)



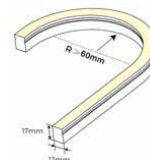
▼ Features

- ※ Light source: High luminous efficiency, SMD2835, 2735,2110, 4040 and 5050, LM80 proved.
- ※ Process & Material: High light transmittance, environmental silicone material, integrated extrusion molding technology, IP67.
- ※ 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, SAA.
- ※ Environmental Features: Resistance to saline solutions, acids & alkali, corrosive gases and UV.
- ※ Working/Storage Temperature: Ta:-20~55°C / 0°C ~ 60°C.
- ※ Life Span: 50000H, 5 years warranty.

▼ Product Application

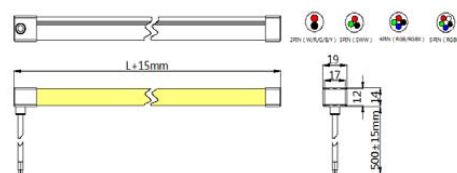
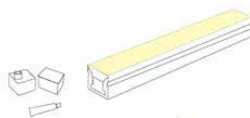
- ※ Signage lighting
- ※ Outdoor/indoor lighting
- ※ Architectural contour lighting
- ※ Waterproof lighting

▼ Product Bending Applicator

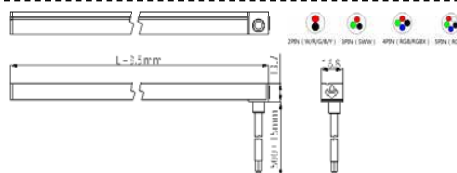
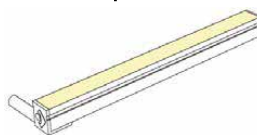


▼ Product's protective technology & structure size

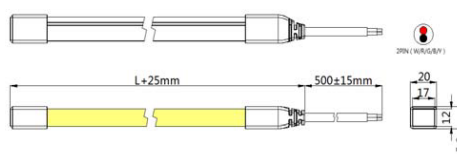
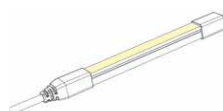
Silicone End-Cap



Shadowless End-Cap

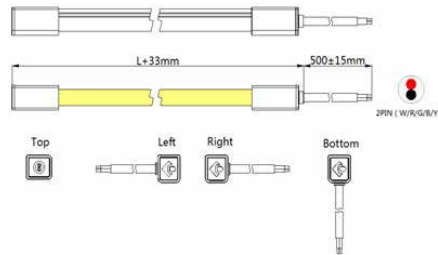
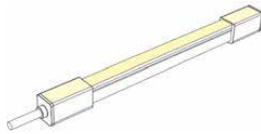


Full Protective End-Cap



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Weld-Free Waterproof End-Cap



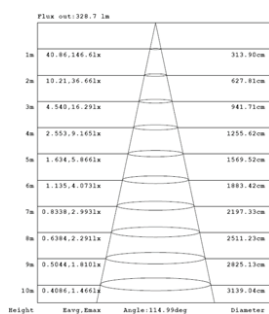
▼ Basic Parameters

Model	CCT/colours	CRI	Input voltage (V)	Rated current (A)	Rated power (w)	Lumens (LM)	Size (mm)	Max.length	Cutting unit (mm)
GCFLE-9.6W-NS1217-PLUS	2300K	>80/90	24V	0.4	9.6	510	W12*H17	5000&10000mm	50
	2700K					520			
	3000K					520			
	4000K					520			
	6000K	460							
GCFLE-8W-RGBY-NS1217-PLUS	R 620-630nm	/		0.34	8	/			
	G 525-530nm								
	B 465-470nm								
	Y 587-592nm								
GCFLE-12W-RGB-NS1217-PLUS	RGB	/		0.5	12	/			
	R 620-630nm								
	G 525-530nm B 465-470nm								
GCFLE-14.4W-RGBW-NS1217-PLUS	RGB~2700K	/	0.6	14.4	/				
	RGB~3500K								
	RGB~4000K								
GCFLE-18W-RGBX-NS1217-PLUS	RGB~5000K	/	0.75	18	/				
	RGBX								
	R 620-630nm G 525-530nm B 465-470nm								
GCFLE-12W-CCT-NS1217-PLUS	2300~4000K	>80/90	0.5	12	650				
	2700~6000K								

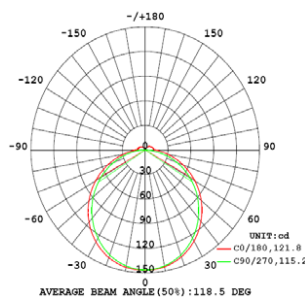
Note :

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

▼ Light Distribution



Effective average illuminance

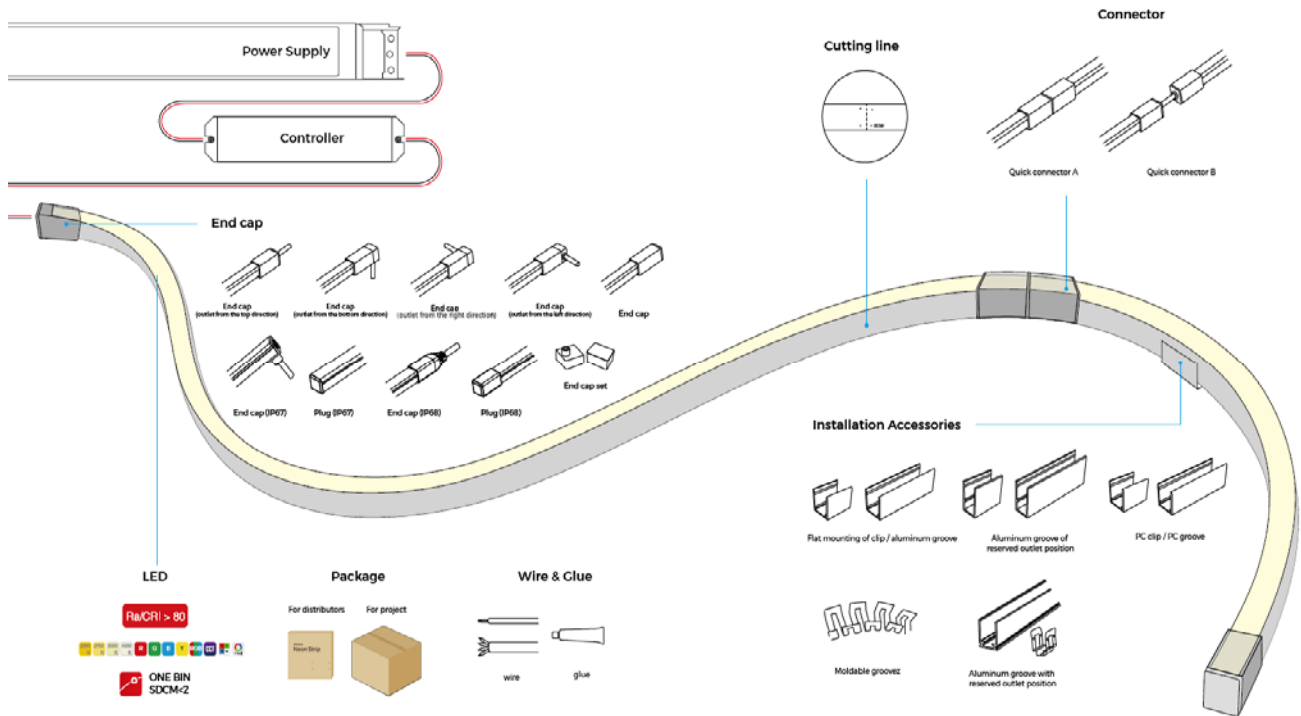


Light distribution

Note: The above data is the testing result of CCT 4000K.

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






















▼ System Solution



▼ Accessory

Name	Description	Image	Sectional size	Ordering code	Product quantity/case (PCS)	Product quantity/case (kg)	Net weight per box (kg)	Gross weight (kg)	Gross weight (mm)	Remark
Alumina carrier	Flat mounting aluminum groove			GC-NMS1217A-1000	12	0.159	1.9908	3.0408	1290*112*50	Size : L1000*W14.4*H18.85m with screws
Aluminum clip	Flat mounting of clip			GC-NMS1217A-25	350	0.004	2.205	2.355	250*250*150	Size : L25*W14.4*H18.85mm with screws
Alumina carrier	Aluminum groove reserved outlet position			GC-NMS1217A1-1000	8	0.1755	1.4592	2.5092	1290*112*50	Size : L1000*W14.4*H24.85m with screws
Aluminum clip	Clip of reserved outlet position			GC-NMS1217A1-25	300	0.0044	2.01	2.16	250*250*150	Size:L25*W14.4*H24.85 mm with screws
Alumina carrier	Pre-installed aluminium groove			GC-NMS1217A2-1000	12	0.17	2.25	3.2	1290*112*50	Size : L1000*W15.8*H21mm with screws , 5 clips for 1 meter
PC carrier	Flat mounting PC groove			GC-NMS1217P-1000	12	0.08	1.0428	2.0928	1290*112*50	Size:L1000*W14.6*H19.35mm with screws
PC carrier	Flat mounting of PC clip			GC-NMS1217P-25	350	0.004	1.505	1.655	250*250*150	Size : L25*W14.6*H19.35mm with screws

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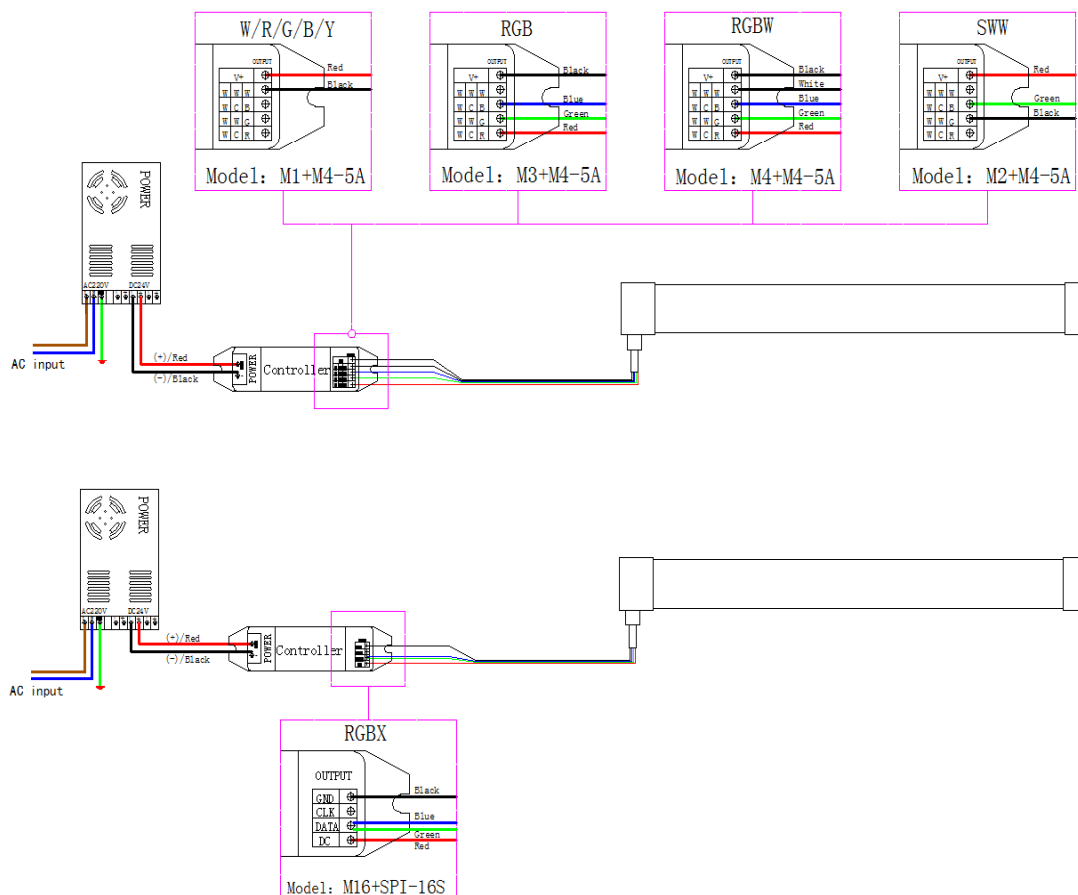
Moldable carrier	Moldable groovez			GC-NMS1217M-500	100	0.0377	3.77	6.49	500*290*290	Size : L500*W13.1*H11.9mm with screws
End cap set	End cap set, including end cap and plug (outlet from the left direction)			GC-NMS1217GS0-EC	400	0.0035	1.4	1.7	250*250*150	/
End cap set	End cap set, including end cap and plug (outlet from the top direction)			GC-NMS1217GH0-EC	400	0.0035	1.4	1.7	250*250*150	/
End cap set	End cap set, including end cap and plug (outlet from the bottom direction)			GC-NMS1217GD0-EC	400	0.0035	1.4	1.7	250*250*150	/
Soldering-free waterproof end cap	Quick connector(outlet from the top direction)			GC-NMS1217HT0-FL	48	0.048	2.3	4.115	365x365x190	Outlet length 500mm\IP67
Soldering-free waterproof end cap	Quick connector(outlet from the bottom direction)			GC-NMS1217HB0-FL	48	0.048	2.3	4.115	365x365x190	Outlet length500mm\IP67
Soldering-free waterproof end cap	Quick connector(outlet from the left direction)			GC-NMS1217HL0-FL	48	0.048	2.3	4.115	365x365x190	Outlet length500mm\IP67
Soldering-free waterproof end cap	Quick connector(outlet from the right direction)			GC-NMS1217HR0-FL	48	0.048	2.3	4.115	365x365x190	Outlet length500mm\IP67
Soldering-free waterproof end cap	Quick connector(end cap)			GC-NMS1217TX0-FL	48	0.035	1.68	3.495	365x365x190	IP67
Soldering-free waterproof connector	Quick connector(without wire)			GC-NMS1217MX0-FL	96	0.028	2.688	2.96	365x365x190	IP67
Soldering-free waterproof connector	Quick connector(with wire in the middle)			GC-NMS1217MH0-FL	48	0.058	2.784	3.062	365x365x190mm	The middle wire length300mm , IP67
Glue	588G acidic glue		/	GC-PG-0002	150	0.014	2.1	2.4	250*250*150	10ml/pcs
Wire	2P PVC wire (0.5M)		/	GC-WS-0001	150	0.01541	2.31	2.61	250*250*150	Suitable for single color strip
Wire	2P PVC wire (2M)		/	GC-WS-0002	125	0.0616	7.7	8	250*250*150	Suitable for single color strip
Wire	4P PVC wire (0.5M)		/	GC-WS-0003	150	0.0194	2.91	3.21	250*250*150	Suitable for RGB strip
Wire	4P PVC wire (2M)		/	GC-WS-0004	125	0.0776	9.7	10	250*250*150	Suitable for SWW strip
Wire	5P PVC wire (0.5M)		/	GC-WS-0013	150	0.0195	2.925	3.364	250*250*150	Suitable for RGBW strip
Wire	5P PVC wire (2M)		/	GC-WS-0014	125	0.0755	9.4375	10.86	250*250*150	Suitable for RGBW strip
Connector	2PIN IP68 waterproof connector		/	GC-FC-0001	512	0.016	8.192	9.5	365*365*190	Suitable for single color strip
Connector	3PIN IP68 waterproof connector		/	GC-FC-0002	512	0.018	9.216	10.2	365*365*190	Suitable for SWW strip
Connector	4PIN IP68 waterproof connector		/	GC-FC-0003	288	0.03	8.64	9.6	365*365*190	Suitable for RGB strip Suitable for RGBX strip

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▼ Product Control System Solution

	Name	Model	Ordering code	Parameters	Dimming constant-voltage acceptor	Suitable products
	Single color dimming set	M1+M4-5A	23-01-00-0045	Operating voltage: 3VDC (Battery CR2032) Operating frequency: 433.92MHz Remote control distance: 30m Operating temperature: -30°C 55°C	Input voltage: 12-24VDC Maximum loaded current: 5A*4CH Max 20A Maximum loaded power:240W/480W(12V/24V) Operating temperature: -30°C 55°C Size: L170*W44*H30(mm) Package size: L228*W155*H32(mm)	White color strip
	CCT set	M2+M4-5A	23-01-00-0005	Operating voltage: 3VDC (Battery CR2032) Operating frequency: 433.92MHz Remote control distance: 30m Operating temperature: -30°C 55°C	Input voltage: 12-24VDC Maximum loaded current: 5A*4CH Max 20A Maximum loaded power:240W/480W(12V/24V) Operating temperature: -30°C 55°C Size: L170*W44*H30(mm) Package size: L228*W155*H32(mm)	SWW dual CCT LED strip
	RGB set	M3+M4-5A	23-01-00-0046	Operating voltage: 3VDC (Battery CR2032) Operating frequency: 433.92MHz Remote control distance: 30m Operating temperature: -30°C 55°C	Input voltage: 12-24VDC Maximum loaded current: 6A*3CH Max 18A Maximum loaded power:216W/432W(12V/24V) Operating temperature: -30°C 55°C Size: L170*W44*H30(mm) Package size: L228*W155*H32(mm)	RGB LED strip
	RGBW set	M4+M4-5A	23-01-00-0047	Operating voltage: 3VDC (Battery CR2032) Operating frequency: 433.92MHz Remote control distance: 30m Operating temperature: -30°C 55°C	Input voltage: 12-24VDC Maximum loaded current: 5A*4CH Max 20A Maximum loaded power : 240W/480W (12V/24V) Operating temperature: -30°C 55°C Size: L170*W44*H30(mm) Package size: L228*W155*H32(mm)	RGBW LED strip
	Independent digital controller	M16+SPI-16S	23-01-00-0041	(Parameters of remote controller) Operating voltage: 3VDC (Battery CR2032) Operating frequency: 2.4GHz Changing mode: 16 Operating temperature: -30°C 55°C	(Dimming constant-voltage acceptor) Input voltage: 5-24VDC Output: SPI WiFi: 2.4GHz Operating temperature: -30°C 55°C Product size: L135*W30*H20(mm) Package size: L132*W198*H22 (mm)	Professional for SPI digital LED strip

▼ Wiring Diagram



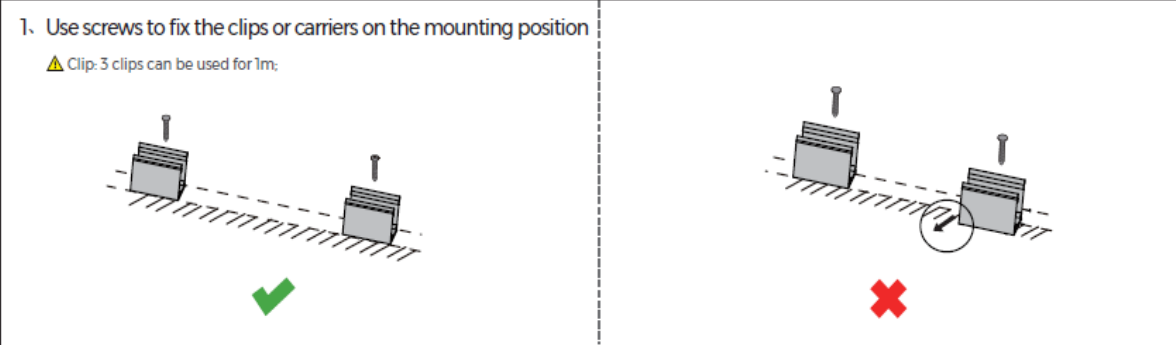
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▼ Installation Guidance

Installation of clip

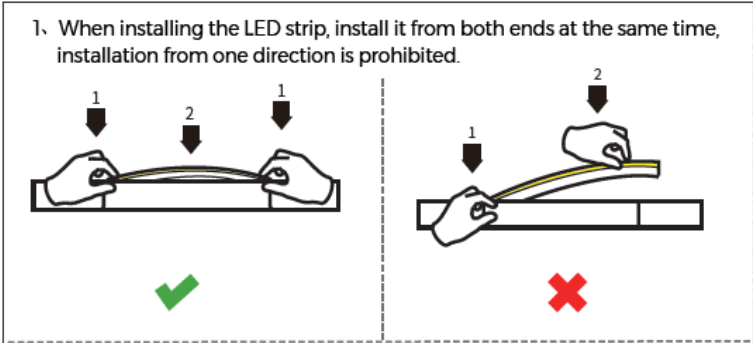
1. Use screws to fix the clips or carriers on the mounting position

⚠ Clip: 3 clips can be used for 1m:



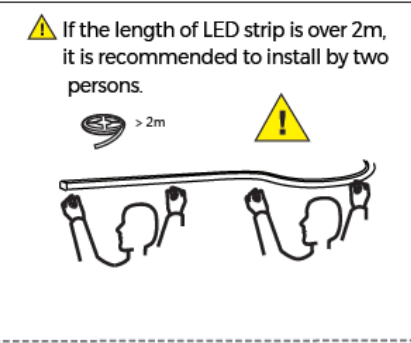
Installation of carrier

1. When installing the LED strip, install it from both ends at the same time, installation from one direction is prohibited.

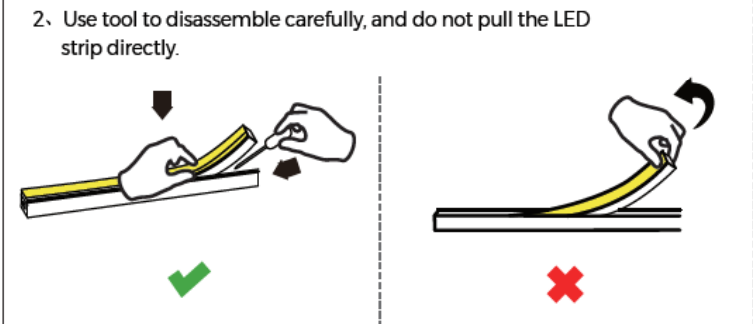


⚠ If the length of LED strip is over 2m, it is recommended to install by two persons.

> 2m

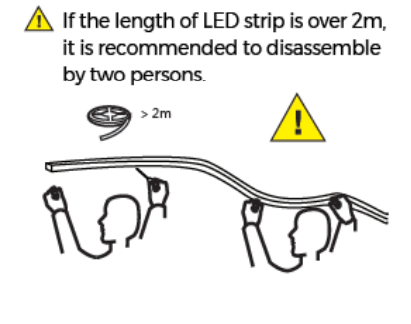


2. Use tool to disassemble carefully, and do not pull the LED strip directly.



⚠ If the length of LED strip is over 2m, it is recommended to disassemble by two persons.

> 2m



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▼ 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.
- If the actual length of application exceeds the specified using length, it will lead to overload heating and uneven brightness.
- To keep the eyes from being harmed, try to avoid staring at the glowing side of the LED strip for a long time.
- 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, the colour of the product might be slightly different due to their structural differences.
- When IP67 protective products are installed and applied, the waterproofing grade should be degraded after self-processing and cutting.

