

PROTECH LED

be creative



LED NEON FLEX SPECIFICATION

AN-S1220



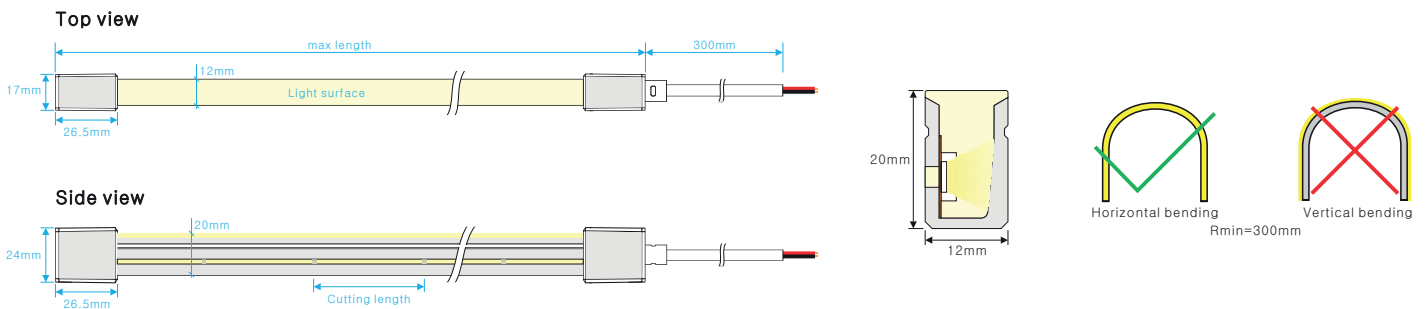


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Regular power 5W/m, 10W/m and 15W/m for option
 Max length 35 meters with one end power
 Soldering-free and silicone end cap
 Eight CCT optional from 2100K to 6150K



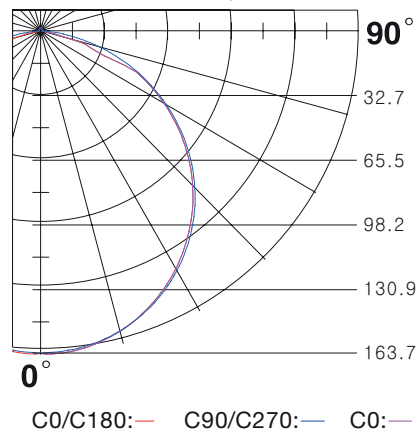
DIMENSIONS & WATERPROOF



PRODUCT SPECIFICATION

Voltage	DC24 V
CRI/Ra	>90
Ambient temperature	-25°C~45°C
Color Type	Cutting length (mm)
Single color	50 mm
Tunable white	50 mm
RGB color	62.5 color
RGBW color	62.5 color
SPI RGB color	62.5 color

POLAR CURVE (The data base on 15W6000K)



WHITE COLOR PARAMETERS

	CCT (K)	Low power (5w/m) (lm/m)	(5w/m) (max length)	Medium power (10w/m) (lm/m)	(10w/m) (max length)	High power (15w/m) (lm/m)	(15w/m) (max length)
W21	2000-2200K	131.7	27 m	258.7	17 m	360.9	14 m
W24	2300-2500K	150.4	27 m	293.0	17 m	410.1	14 m
W27	2600-2800K	152.7	27 m	303.2	17 m	431.7	14 m
W30	2900-3100K	156.7	27 m	307.2	17 m	432.3	14 m
W35	3400-3700K	176.9	27 m	345.1	17 m	475.4	14 m
W40	3800-4300K	170.1	27 m	335.6	17 m	470.1	14 m
W50	4800-5300K	170.0	27 m	329.4	17 m	461.8	14 m
W60	5900-6400K	168.2	27 m	328.3	17 m	465.1	14 m

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TUNABLE COLOR PARAMETERS

	CCT (K)	Low power (lm/m)	(5w/m) (max length)	Medium power (lm/m)	(10w/m) (max length)	High power (lm/m)	(15w/m) (max length)
TW	2500-2900K	80.2	5 m	171.3	5 m	229.0	5 m
TW	5000-5800K	85.6	5 m	186.0	5 m	244.3	5 m
TW	3500-4200K	167.4	5 m	353.5	5 m	476.3	5 m

RGB & RGBW COLOR PARAMETERS

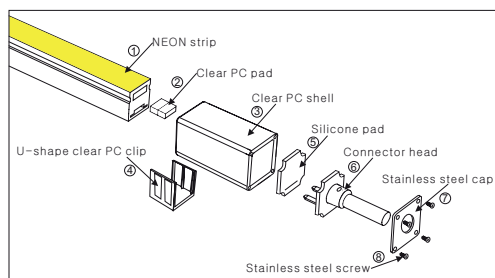
	Color	Low power (lm/m)	(5w/m) (max length)	Medium power (lm/m)	(10w/m) (max length)	High power (lm/m)	(15w/m) (max length)
R	Red	73.8	35 m	155.4	23 m	204.7	18 m
G	Green	198.2	27 m	372.6	17 m	473.2	14 m
B	Blue	35.2	27 m	69.8	17 m	93.3	14 m
Y	Yellow	15.5	35 m	30.4	23 m	40.8	18 m
P	Pink	74.6	27 m	148.2	17 m	199.0	14 m
RGB	RGB	86.1	5 m	160.2	5 m	200.3	5 m
RGBW	RGBW	110.7	5 m	211.2	5 m	301.8	5 m

SPI-RGB COLOR PARAMETERS

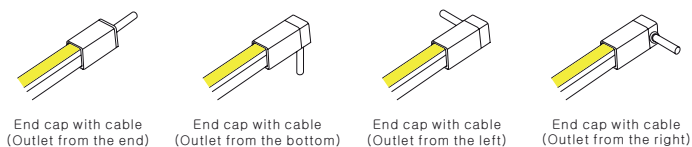
	Chip type	Power (w/m)	Lumen (lm/m)	Pixel (pix/m)	Max length (meter)
SPI	TM1914	18	R:65 G:86 B:15 RGB:158	16	5

INSTALLATION OF SOLDER-FREE CONNECTOR WITH CABLE

Explosive drawing of Solder-free connector with cable



Cable outlet



Note:

1. The same installation step suit for different outlet cable of the connector
2. Please keep the cutting place as flat as possible to achieve better waterproof effect.
3. This installation instruction is suitable of all the solder-free connector with similar structures.

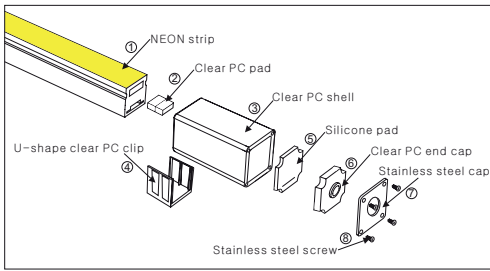
Installation instruction of Solder-free connector with cable

<p>Step 1: Insert the clear PC pad into the hole of the NEON strip</p>	<p>Step 2: Insert NEON strip into the clear PC shell</p>	<p>Step 3: Install the U-shape clear PC clip on the bottom</p>	<p>Step 4: Insert the connector head into the silicone pad</p>
<p>Step 5: Insert the connector head into the NEON strip, please make sure the connector plug on the back of PCB soldering spot</p>	<p>Step 6: Use screws to fix the stainless steel cap on the clear PC shell</p>	<p>Step 7: Finish the whole installation of NEON strip end cap with cable</p>	

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INSTALLATION OF SOLDER-FREE CONNECTOR WITHOUT CABLE

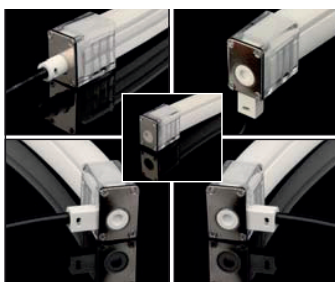
Explosive drawing of Solder-free connector without cable



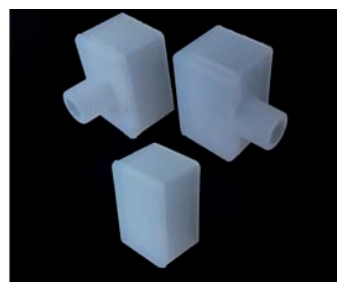
Installation instruction of Solder-free connector without cable

<p>Step 1: Insert the clear PC pad into the hole of the NEON strip</p>	<p>Step 2: Insert NEON strip into the clear PC shell</p>	<p>Step 3: Install the U-shape clear PC clip on the bottom</p>	<p>Step 4: Press the silicone pad into the Clear PC shell</p>
<p>Step 5: Press the clear PC end cap into the Clear PC shell</p>	<p>Step 6: Use screws to fix the stainless steel cap on the clear PC shell</p>	<p>Step 7: Finish the whole installation of NEON strip end cap without cable</p>	

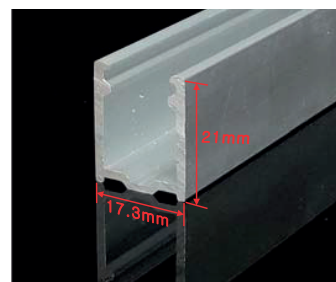
ACCESSORY



IP65 Solder-free endcap



IP67 Silicone end cap

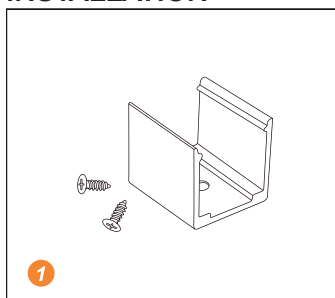


Mounting clip(length: 2cm)
Mounting channel(length: 1m, 2m,3m)

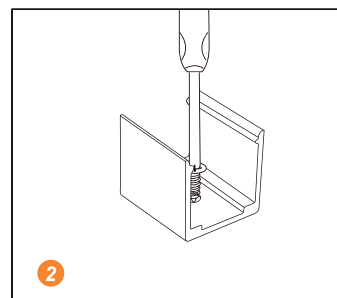


Scissors with angular scale

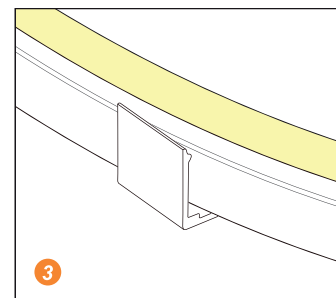
INSTALLATION



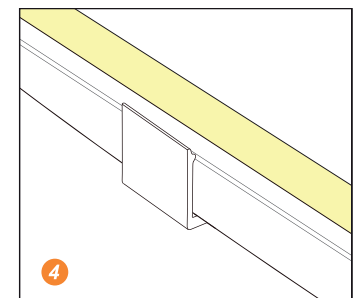
1 Prepare the screws and mounting clips



2 Adjust the fixed clips to the appropriate place, use a screwdriver to fix the screw.



3 Put the light emitting surface upwards, then insert the LED strip into the fixed clips.



4 Fix NEON strip completely into the fixed clip.

