IP68

NEON IP68 Series-Side Bending / 10x18mm 14W 24V
## Product No. : FEN14WS-P8-G2 28HZ9x 24V120S 1018L05

Technical Details

Product No. FEN14WS-P8-G2 28HZ9x 24V120S 1018L05

Power	14W/M 4.39W/ft
Voltage	DC24V
CRI	90 (2835)
Led Qty	120LEDs/M 37LEDs/ft
Length/Reel	5M 16.56ft
Working Temperature	-25~60°C
Storage Temperature	-30~80°C
Voltage Range	23 ~25V dc
Reverse Voltage	25V dc

- The product has a water-repellent rating of IP68
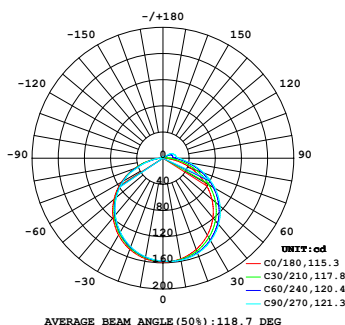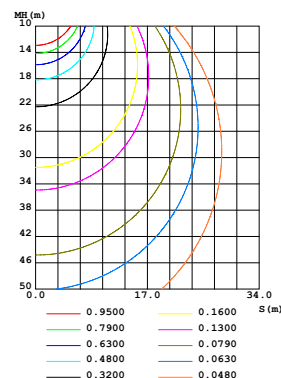- Equipped with a 2835 LED light source that is both bright and energy-efficient.

IP68 | 5M | 2835 LEDs | 3 Years Warranty | 120° | DIMMABLE

CE | LM80 | UL | RoHS | ONE BIN ONLY
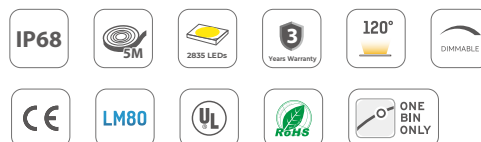
Lumens

Color Temperature		
● 2700K	520lm/m	159lm/ft
● 3000K	578lm/m	176lm/ft
● 4000K	590lm/m	180lm/ft
● 6000K	605lm/m	184lm/ft

Light Distribution

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)

UNIT:cd
C0/180,115.3
C30/210,117.8
C60/240,120.4
C90/270,121.3

AVERAGE BEAM ANGLE(50%) :118.7 DEG

MH (m)

S (m)

0.9500 | 0.1600
0.7900 | 0.1300
0.6300 | 0.0790
0.4800 | 0.0630
0.3200 | 0.0480

Dimension

Single Color

* Optional waterproof head, this picture is for reference only.

350mm(13.77")
Front
5050mm(198.81") Max Run
10mm (0.39") Wide
12mm±1
Side
50mm(1.97")Cutting Length
12mm±1
18mm (0.71") High

18mm
10mm
16mm
20mm
12.2mm
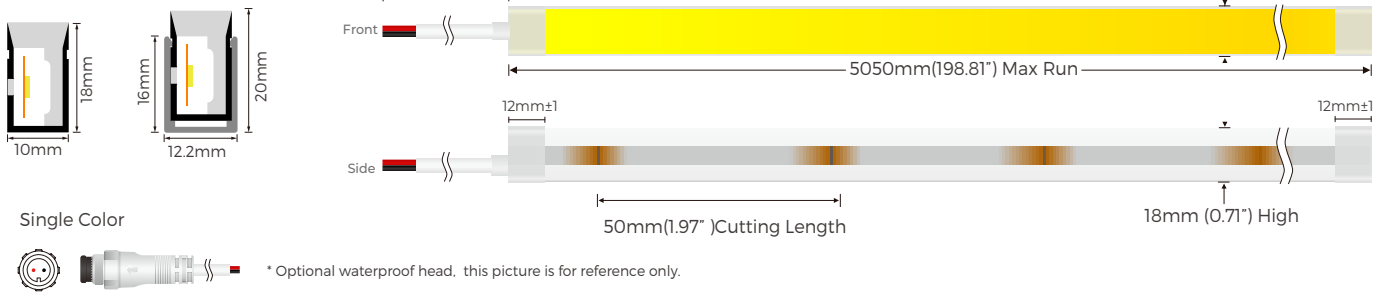
End cap

Products	Wire at end	Wire at side	Wire at bottom
Ordinary End Cap			

Accessories Specification

Name	Quantity	Note
1. End cap	4pc	
2. Front outlet end cap	2pc	*Optional
3. Clips	10pc	
4. Glue & Glue nozzle	2pc	
5. Screw	10pc	
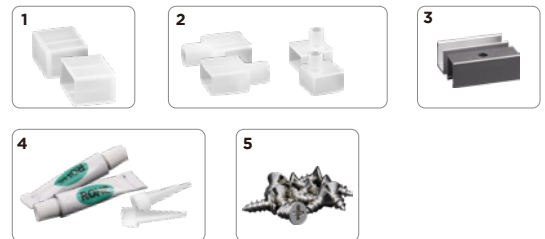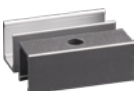
Power Connection Diagram

Controller

POWER DC-DC

Power Supply

L
GND
N

Optional waterproof head

Light Strip
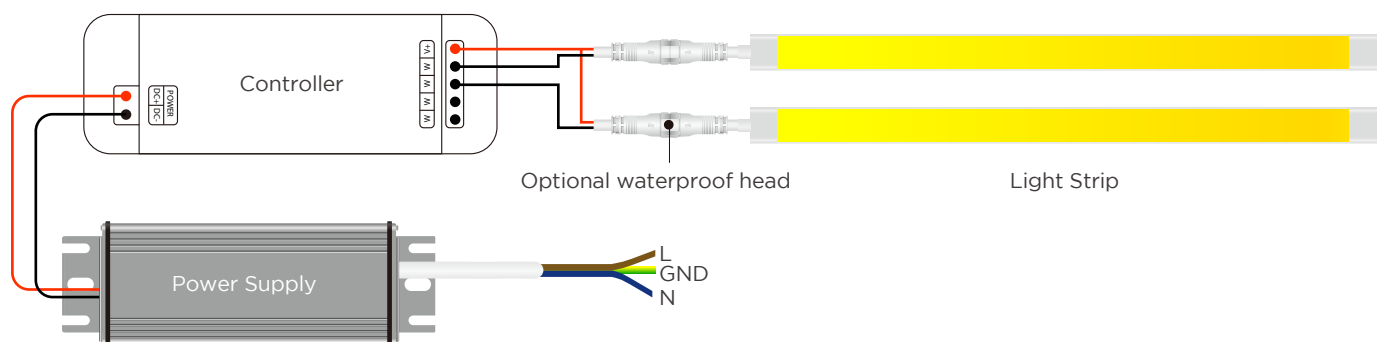
Recommended Power Supplies

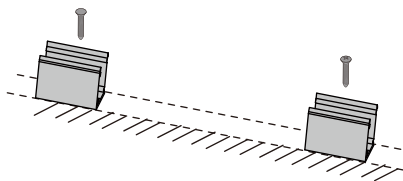| Item Number	Description	Input Voltage	Output Voltage	Dimmable	Dimensions
DVH75-24-P7-G1LS AL	Waterproof Driver 75W	220-240	DC24V 3.12A	NO	165×60×36.5mm
DVH100-24-P7-G1 LS AL	Waterproof Driver 100W	220-240	DC24V 4.16A	NO	167×60×34.6mm
DVH150-24-P7-G1 LS AL	Waterproof Driver 150W	220-240	DC24V 6.25A	NO	167×60×34.6mm
DVH200-24-P7-G1LS AL	Waterproof Driver 200W	220-240	DC24V 8.33A	NO	216×65×39.5mm
DVH300-24-P7-G1 LS AL	Waterproof Driver 300W	220-240	DC24V 12.5A	NO	265×65×39.5mm

Aluminum Profile List

Product NO.		Size	Section diagram	install
		12.2×16mm		
		12.2×16mm		

Installation

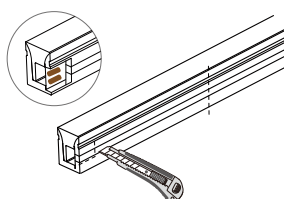| ① Clip	② Neon Series	
Fix the clips and aluminum profile via the screws.	Simultaneously install the neon from both ends.	Should use tools to assist when remove the neon.
⚠ Suggestion: 2pcs clips per meter.		
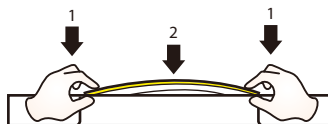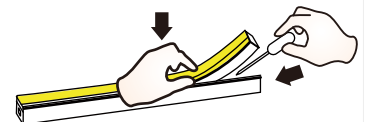
Cutting

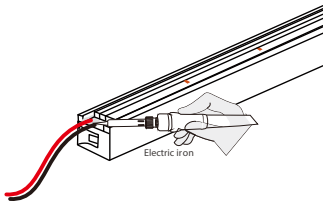① Cut the neon to be required length
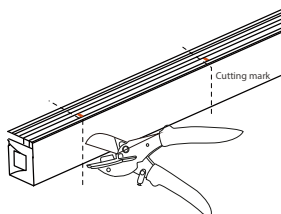
⚠ The minimum cutting unit is based on the cutting mark.

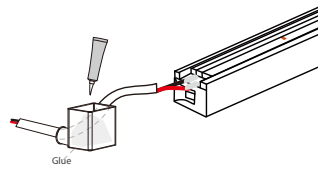② Cut the side of neon, expose the soldering pad
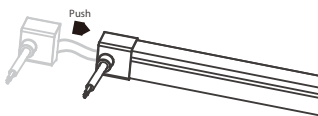
Soldering

① Solder the cable onto the PCB

Electric iron

② Put the wire into and inject glue into the end cap

Glue

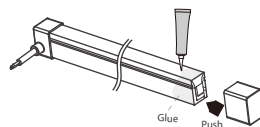⚠ The amount of glue is about1/3-1/2 of end cap.

Intall end cap

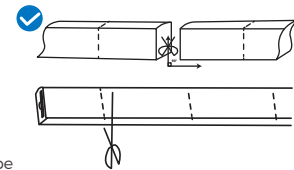① Push the end cap to wrapp end of neon

Push

⚠ After the glue is injected, the neon needs to be laid flat for 2 hours to before other process.
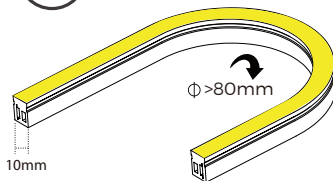
② Apply gel around the tail of neon and install the end cap

Glue   Push

⚠ After the glue is injected, the neon needs to be laid flat for 2 hours to before project process. Glue will complete dry after 24hours.

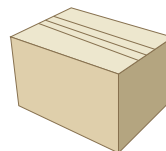## Side bending series correct bending way.

TIPS

Φ>80mm

10mm

PACKING

N.W /CTN(KG)	QTY / CTN(reel)	G.W/CTN(KG)	CTN Size(mm)
1.1	10	14	330×305×330

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