



## Side Bending Series 1018 14W 24V

Product No. : FEN14WS-P7-G1 28HZ9x 24V140S7 1018L05

### Technical Details

**Product No.** FEN14WS-P7-G1 28HZ9x 24V140S7 1018L05

Power	14W/M 4.39W/ft
Voltage	DC24V
CRI	90
Led Qty	140LEDs/M
Length/Reel	5M
Working Temperature	-25~60°C
Storage Temperature	-30~80°C
Voltage Range	23 ~25V dc
Reverse Voltage	25V dc

- 10mm light-emitting surface, uniform light, dot free.
- White / Tunable White Side emitting, meet a variety of
- side bending light shape.
- IP67, achieve temporary immersion.
- With high quality silicon, UV proof for outdoor application.

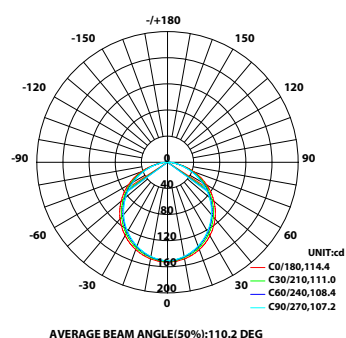


### Lumens Per Meter

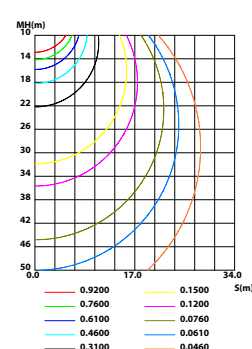
Color Temperature	
2700K	560lm
3000K	565lm
4000K	565lm
6000K	565lm

### Light Distribution

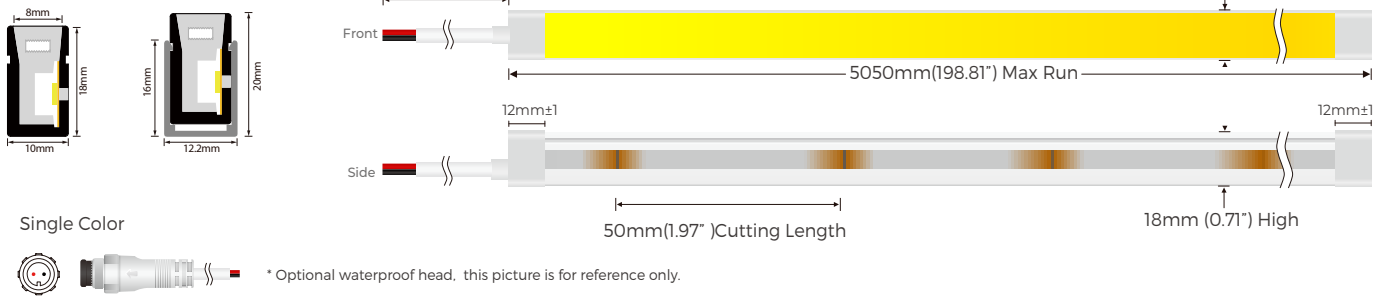
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)

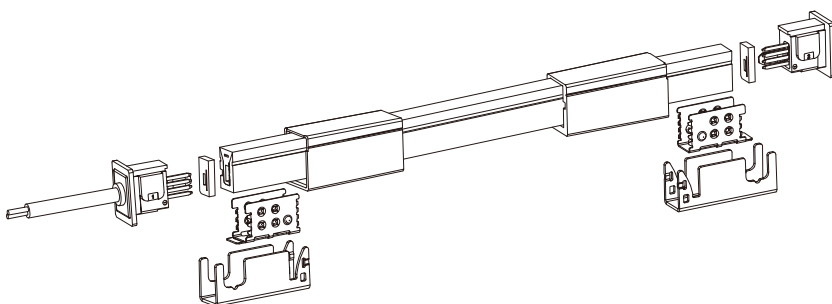


## Dimension



## End cap

Products	Wire at end	Wire at side	Wire at bottom
Ordinary End Cap			
Injection-moulded endcap			
Weldless Fast Connector			



6. Forward-wiring connector kit - single color



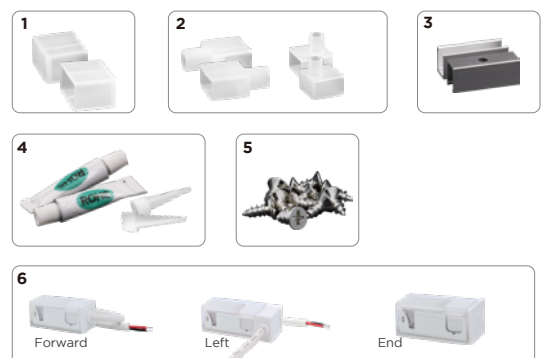
6. Left-wiring connector kit - single color





7. End-capping kit

## Accessories Specification

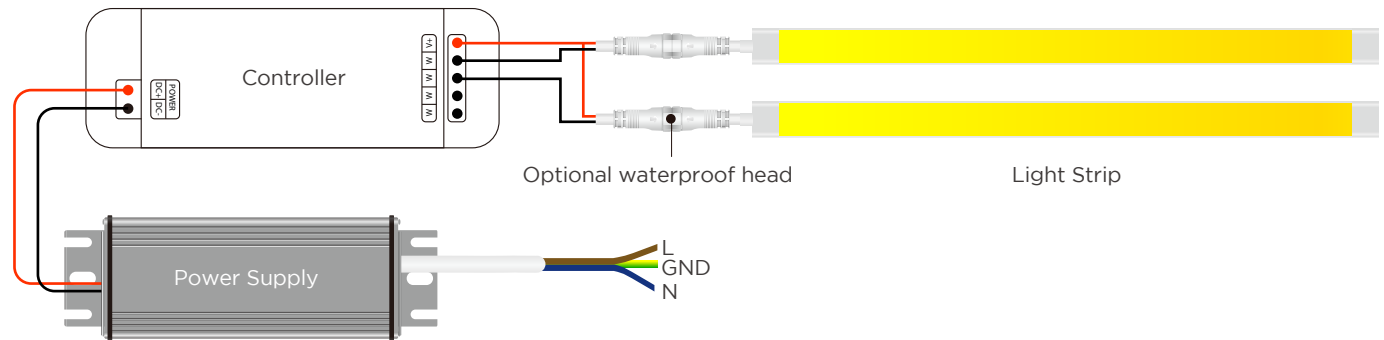
Name	Quantity	Note
1. End cap	4pc	
2. Front outlet end cap	2pc	*Optional
3. Clips	10pc	
4. Glue & Glue nozzle	2pc	
5. Screw	10pc	
6. Weldless Fast Connector / RGB		*Optional



## Aluminum Profile List

Product NO.	Size	Section diagram	install
	12.2×16mm		

## Power Connection Diagram



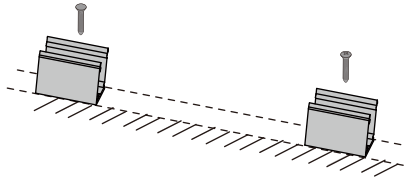
## Recommended Power Supplies

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

## Installation

### ① Clip

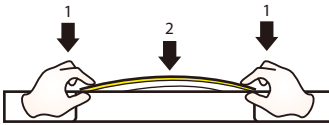
Fix the clips and aluminum profile via the screws.



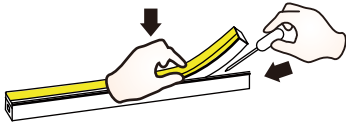
⚠ Suggestion: 2pcs clips per meter.

### ② Neon Series

Simultaneously install the neon from both ends.

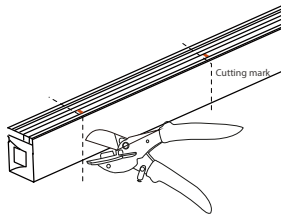


Should use tools to assist when remove the neon.

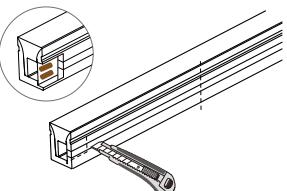


### Cutting

#### ① Cut the neon to be required length



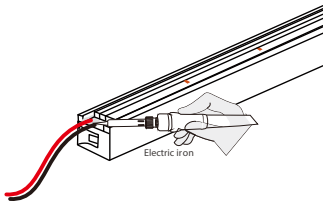
#### ② Cut the side of neon, expose the soldering pad



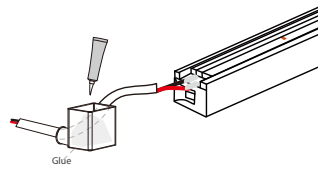
⚠ The minimum cutting unit is based on the cutting mark.

## Soldering

① Solder the cable onto the PCB



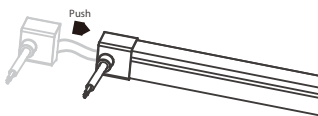
② Put the wire into and inject glue into the end cap



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

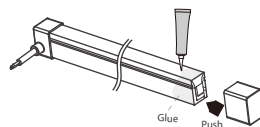
## Intall end cap

① Push the end cap to wrapp end of neon

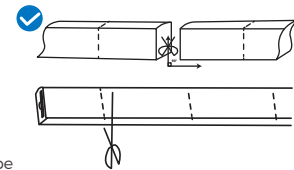


⚠ After the glue is injected, the neon needs to be laid flat for 2 hours to before other process.

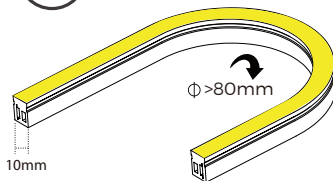
② Apply gel around the tail of neon and install the end cap



⚠ 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.

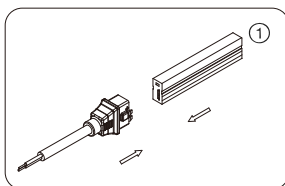


Top bending series correct bending way.

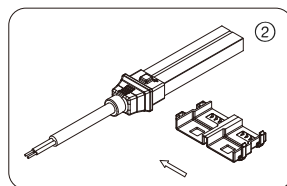


## Installation of No-Soldering Connector

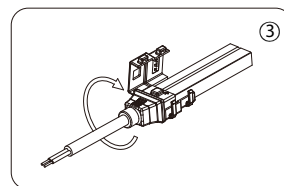
1. Installation of power cord connector



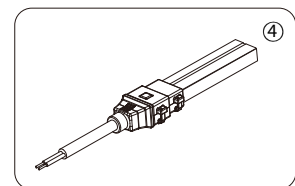
Push Neon into the connector.



Wrap the connector with the faster.

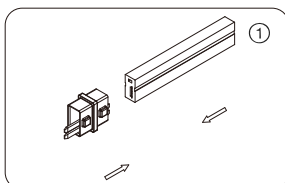


Press the fastener, let the bayonet slid into the corresponding slot.

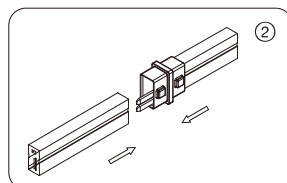


Check if nstallation is firm & in place.

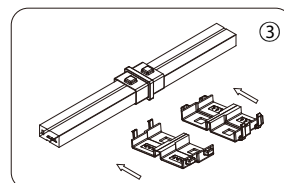
2. Installation of connector



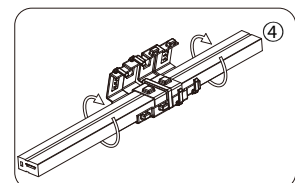
Push 1st part neon into the connector.



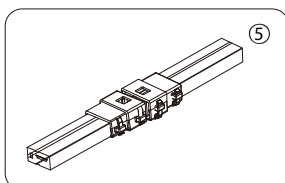
Push 2nd strip light part into another end.



Wrap the both sides of connector with the fastener.



Press the fastener, let the bayonet slid into the corresponding slot.

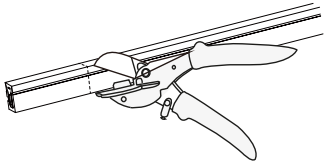
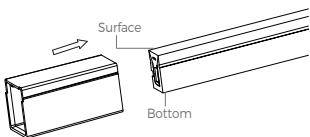
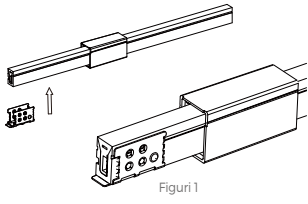
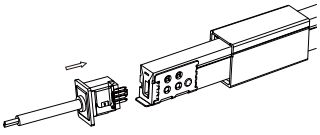
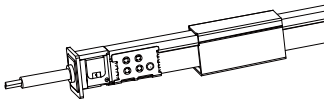
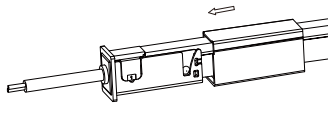


Check if installation is firm&in place



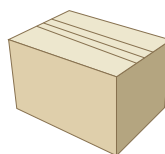
Note: We need to add glue to make the connection waterproof.

## NEON Weldless Fast Connector Installation Instructions

 <p><b>1. Cut neon strip.</b> The cutting to be aligned the cutting line and the cutting cuts should be flat; The PCB backing silk print lines need to be cut completely to avoid leaving the silk print line insulation to cause connection failure.</p>	 <p><b>2. Put on transparent PC Cover.</b> The screen print direction on the bottom of the PC Cover is aligned with the bottom of the neon light, as arrow direction.</p>
 <p><b>3. Install the stainless steel inner clips.</b> Open the inner clips slightly to fit the neon strip, the end of the neon is about 1-2mm away from the edge of the inner clips. (figure 1).</p>	 <p><b>4. Push the end connector into.</b> To check whether the waterproof silicone is flat and aligned, and the cut corner is opposite to the negative terminal of the end connector; lit test after installation.</p>
 <p><b>5. Inner clips installation.</b> Align the left end connector and the right ending of the inner clips with the middle stainless steel clips and push into the middle stainless steel clips.</p>	 <p><b>5. Install the transparent PC outer clips: tighten the outer clips as shown in the figure.</b></p>

## PACKING

N.W /CTN(KG)	QTY / CTN(reel)	G.W/CTN(KG)	CTN Size(mm)
1.3	10	13.66	330×320×330



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