

NEON IP68 Series 12x20mm 14W 24V DMX RGBW

Product No. : FEN14DS-P8-G2 50ZRGB9X 24VD70S7 1220L05

Technical Details

Product No. FEN14DS-P8-G2 50ZRGB9X 24VD70S7 1220L05

Power	14W/M 4.39W/ft
Voltage	DC24V
CRI	90 (5050)
Led Qty	70LEDs/M 21LEDs/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.

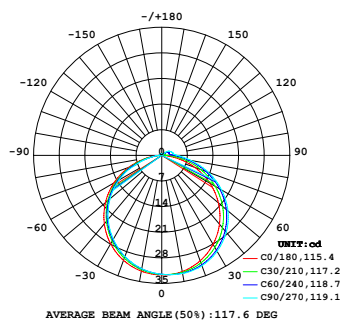


Lumens

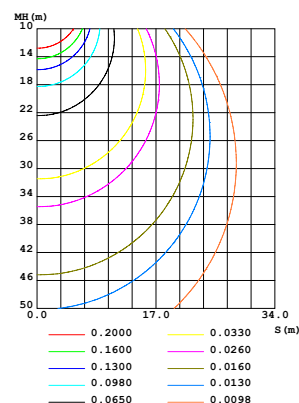
Color Temperature		
● R	45lm/m	14lm/ft
● G	138lm/m	42lm/ft
● B	26lm/m	8lm/ft
● 3000K	113lm/m	34lm/ft

Light Distribution

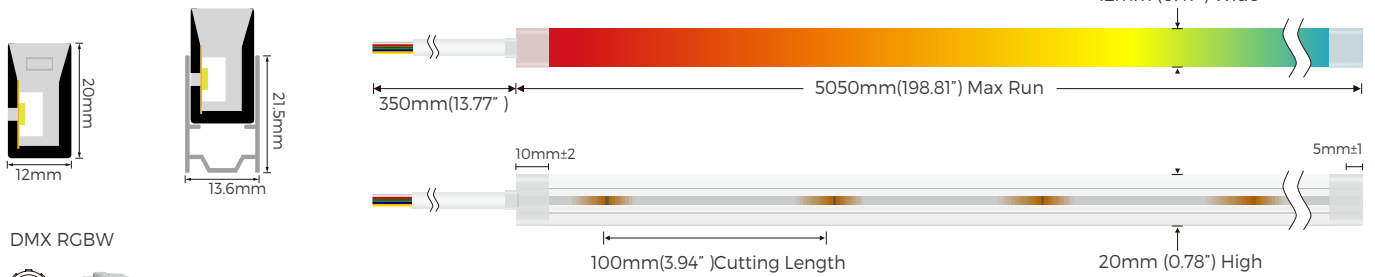
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



Dimension

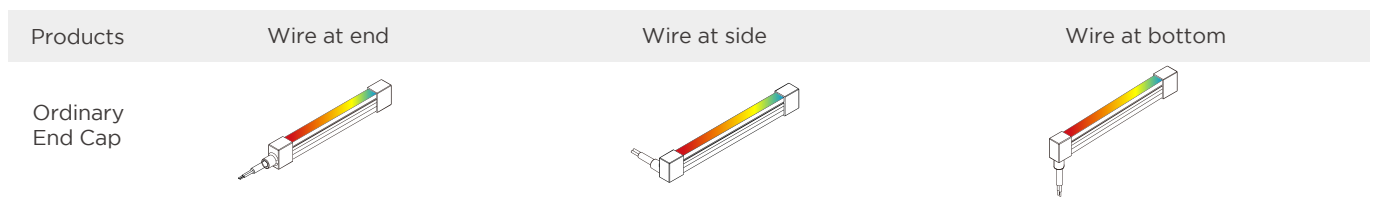


DMX RGBW



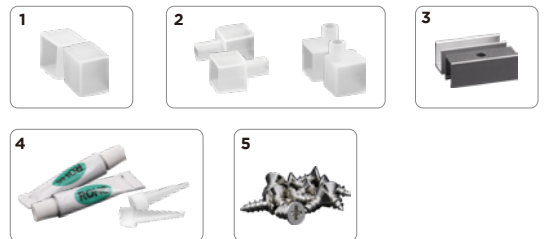
*Optional waterproof head, this picture is for reference only.

End cap

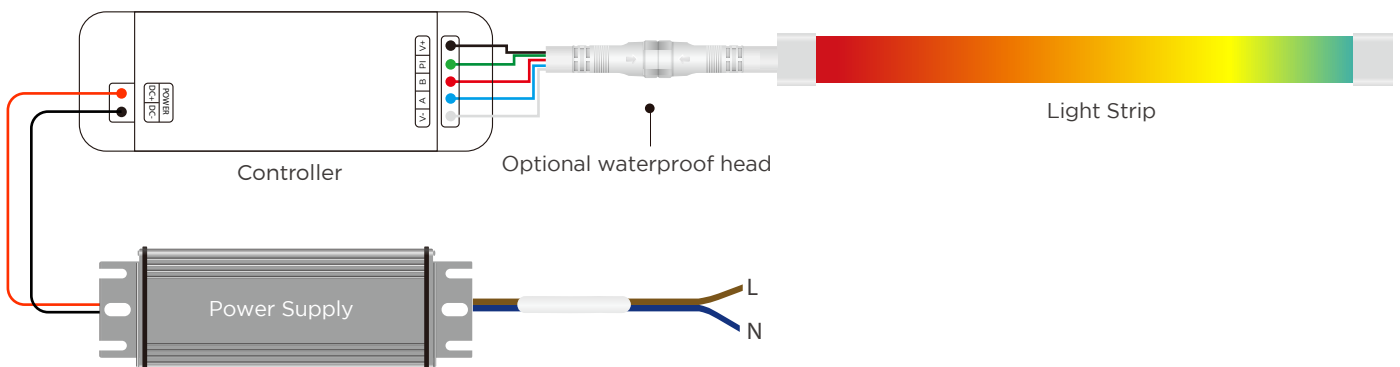


Accessories Specification

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	






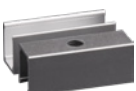
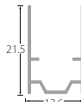
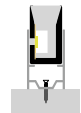
Power Connection Diagram



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

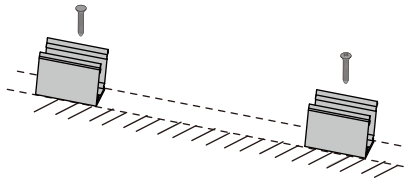
Aluminum Profile List

Product NO.	Size	Section diagram	install
	13.6×21.5mm		
	13.6×21.5mm		

Installation

① Clip

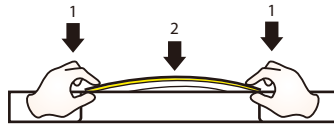
Fix the clips and aluminum profile via the screws.



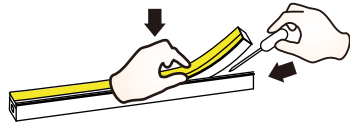
⚠ Suggestion: 2pcs clips per meter.

② Neon Series

Simultaneously install the neon from both ends.

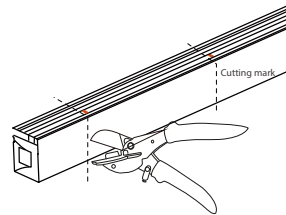


Should use tools to assist when remove the neon.



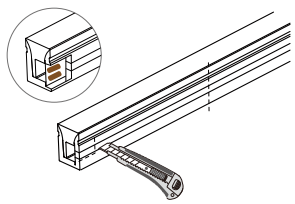
Cutting

① Cut the neon to be required length



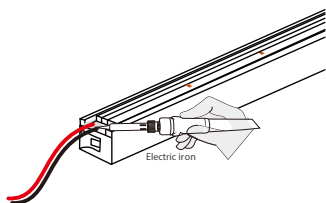
⚠ The minimum cutting unit is based on the cutting mark.

② Cut the side of neon, expose the soldering pad

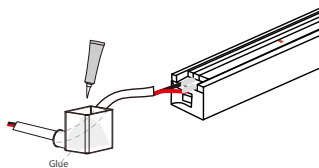


Soldering

① Solder the cable onto the PCB



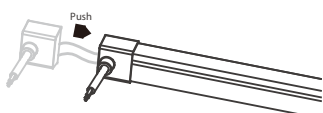
② Put the wire into and inject glue into the end cap



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

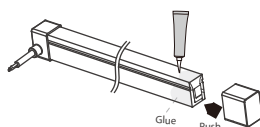
Intall end cap

① Push the end cap to wrapp end of neon

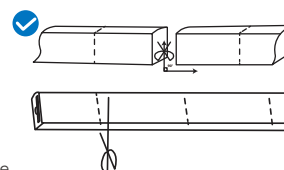


⚠ After the glue is injected, the neon needs to be laid flat for 2 hours to before other process.

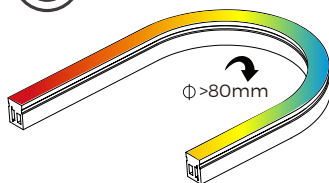
② Apply gel around the tail of neon and install the end cap



⚠ 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.

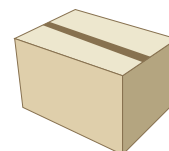
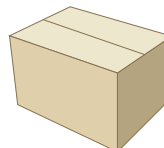


Side bending series correct bending way.



PACKING

N.W /CTN(KG)	QTY / CTN(reel)	G.W/CTN(KG)	CTN Size(mm)
1.8	5	13	420×420×320



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