LINIO NEON 1228X SV RGBW

Horizontal Bending · RGBW

Date | Fixture type

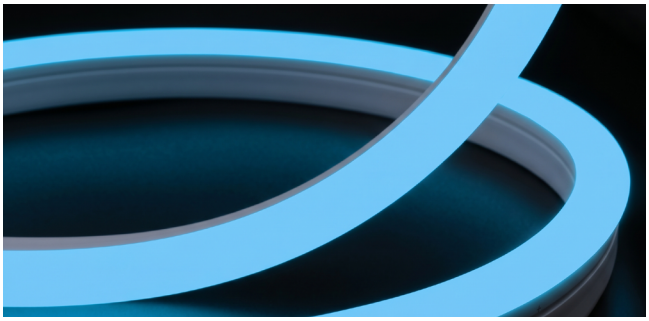
Project name | Project phase

Features

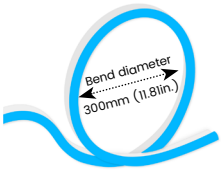
- Dome top, eye-catching at three angles, changeable RGBW colors
- IP68 rated, ideal for outdoor uses, not for underwater project
- 3 years warranty

Applications

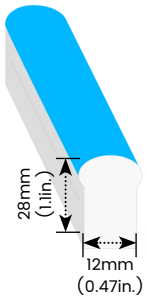
Museums, malls, amusement parks, restaurants, resorts, etc.

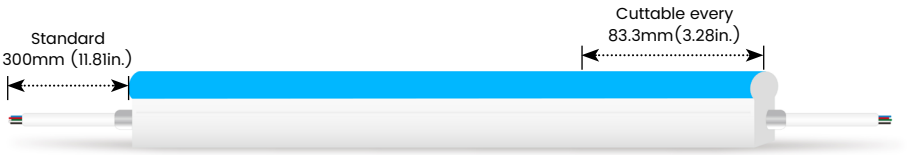


Bending Directions & Diameters



Dimensions





Order Code

Model	Environment	Voltage	CCT	Power	End Cap
LN1228XSV	**W8**-Wet (IP68)	**24V**-DC24V	**RGBW27K**-RGBW2700K **RGBW30K**-RGBW3000K **RGBW35K**-RGBW3500K **RGBW40K**-RGBW4000K	**170**-17W/M	**FT** Flush Translucent **FO** Flush Opaque

Assembly Builder

Left Feed Entry	
F Front	**OW** Open wire 300mm (11.81in.)
B Bottom	**OA** Open Wire with Anti-Wicking Ferrule
S Side	**MC** Male connector with 300mm (11.81in.) cable
C Closed	**FC** Female connector with 300mm (11.81in.)cable
	NA Only for Closed Feed Entry

Assembly Builder

Right Feed Entry	
F Front	**OW** Open wire 300mm (11.81in.)
B Bottom	**OA** Open Wire with Anti-Wicking Ferrule
S Side	**MC** Male connector with 300mm (11.81in.) cable
C Closed	**FC** Female connector with 300mm (11.81in.)cable
	NA Only for Closed Feed Entry

Length	
Max. nominal	9m (29.5ft)
Increment	83.3mm (3.28in.)

*We will list the nearest actual manufacturing length on the quotation, based on your requested length.

Mounting Order Code

Product Code
Please select on the Mounting Options page

LINIO NEON 1228X SV RGBW

Horizontal Bending · RGBW

Lumen Output (lm/m)

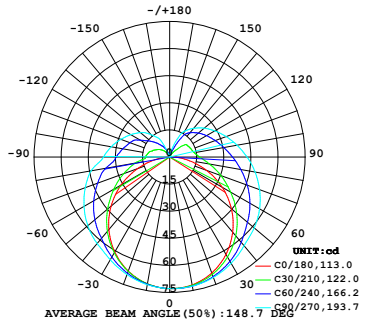
CCT	17W/M
R	50
G	129
B	34
W27K	163
W30K	170
W35K	167
W40K	167
RGBW27K	379
RGBW30K	376
RGBW35K	366
RGBW40K	366
Max. Run Length	9m

Techinical Details

Efficacy	22lm/W @RGBW30K 17W
CRI	Ra≥80
Average Life (L80B10)	>46,000 hours
Storage Temperature	-40°C~ 65°C
Operating Temperature	-40°C~ 65°C

Photometry

LN1228XSV-W8-24V-RGBW30K-170-FT-F-OW-F-OW
LINIO NEON 1228X SV RGBW, Horizontal bend, RGBW30K, 17W/M



Zonal Lumen Summary

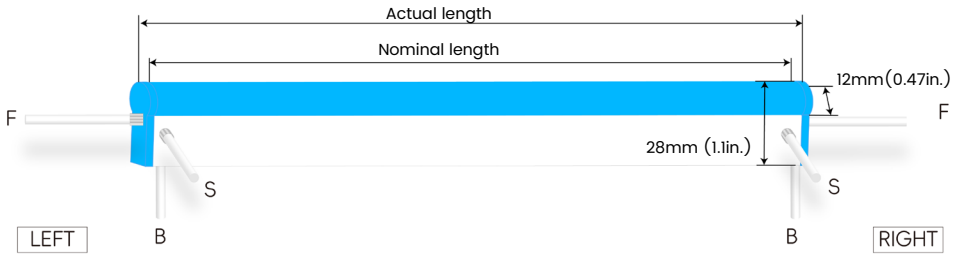
Zone	Lumen	% Fixture
0-30	57.7	15.3%
0-40	96.1	25.6%
0-60	181.6	48.3%
0-90	286.3	76.2%
0-180	375.9	100.0%

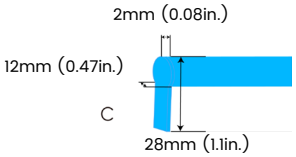
LINIO NEON 1228X SV RGBW

Horizontal Bending · RGBW

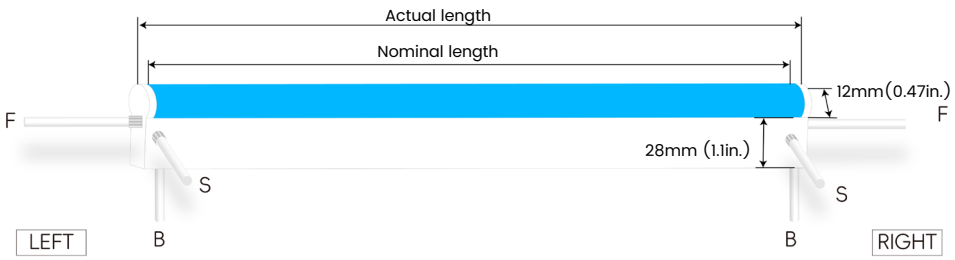
Feed Entry / End Cap Options

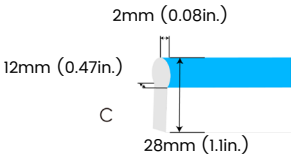
FT: Flush Translucent – IP68, factory-made only



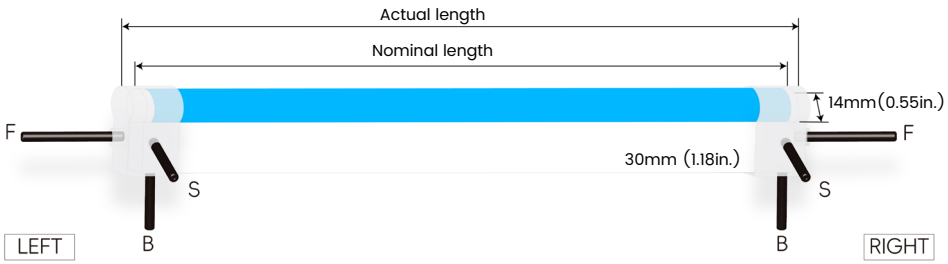


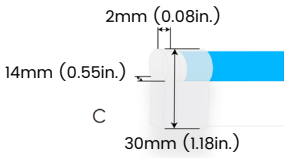
FO: Flush Opaque – IP68, factory-made only





Silicone end cap – IP67, for field cuttable only

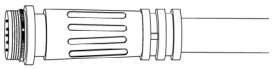




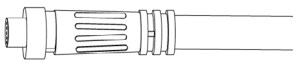
Connector Wire Options



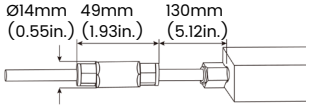
OW: Open wire, **Dry only**
Standard 300mm (11.81in.),20 AWG,
wire length customizable



MC: Male connector, **Wet**
Standard 300mm (11.81in.), 20 AWG



FC: Female connector, **Wet**
Standard 300mm (11.81in.), 20 AWG

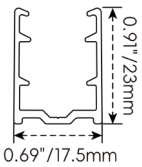


OA: Open Wire with **Anti-Wicking Ferrule, Wet**
Standard 300mm (11.81in.),20 AWG,
Protects against water ingress through the power cable

LINIO NEON 1228X SV RGBW

Horizontal Bending · RGBW

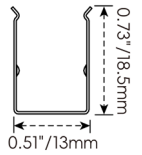
Mounting Options



NF1228-SC

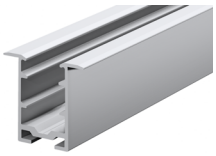
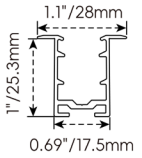
Name	Straight surface channel
Material	Aluminum
Standard Length	1m (3.28ft)



NF1228-BC

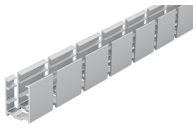
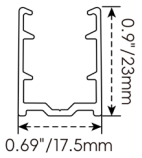
Name	Bendable surface channel
Material	Stainless Steel
Standard Length	1m (3.28ft)
Min. Bending Diameter	300mm(11.81in.)
*Not suitable for upside-down installation	



NF1228-RC

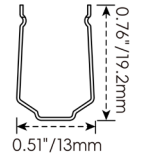
Name	Straight recessed channel
Material	Aluminum
Standard Length	1m (3.28ft)



NF1228-BCA

Name	Bendable surface channel
Material	Aluminum
Standard Length	1m (3.28ft)
Min. Bending Diameter	300mm(11.81in.)



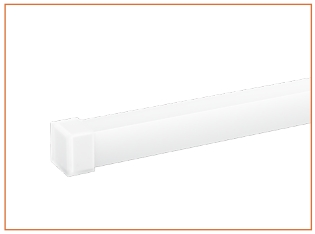
NF1228-CL

Name	Mounting clip
Material	Stainless Steel
Standard Length	20mm(0.79in.)
*Not suitable for upside-down installation	

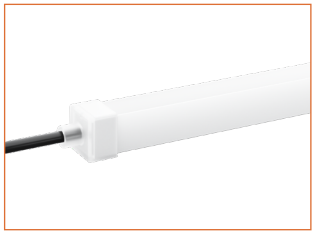
LINIO NEON 1228X SV RGBW

Horizontal Bending · RGBW

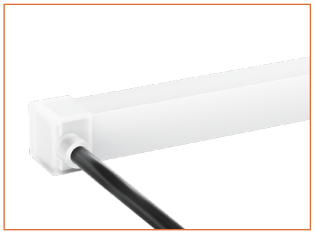
Silicone End Caps (Optional, purchase for extra)



NF1228-SEC-C
Silicone closed end cap



NF1228-SEC-F-5P
Silicone end cap front entry with 300mm (11.81in.) cable, 5 pin



NF1228-SEC-S-5P
Silicone end cap side entry with 300mm (11.81in.) cable, 5 pin



NF1228-SEC-B-5P
Silicone end cap bottom entry with 300mm (11.81in.) cable, 5 pin

Additional Accessories (Optional, purchase for extra)



MCW-5P-67
Male connector,
300mm (11.81in.) white cable,
5 pin, IP67, Wet, 20 AWG



FCW-5P-67
Female connector,
300mm (11.81in.) white cable,
5 pin, IP67, Wet, 20 AWG



MCB-5P-67
Male connector,
300mm (11.81in.) black cable,
5 pin, IP67, Wet, 20 AWG



FCB-5P-67
Female connector,
300mm (11.81in.) black cable,
5 pin, IP67, Wet, 20 AWG



ADJS
1 Adjustable Angle Scissors Set,
with 4 Spare Blades

LINIO NEON 1228X SV RGBW

Drivers

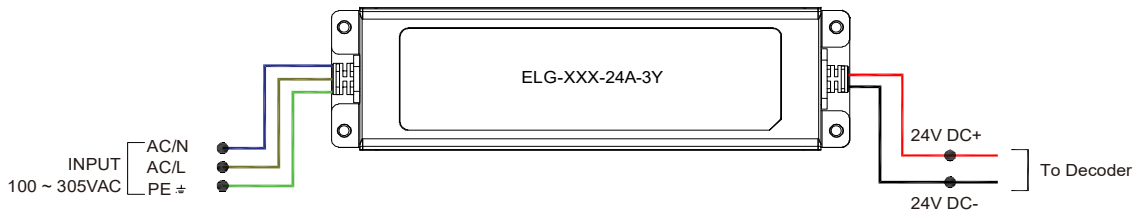
Non-dimmable

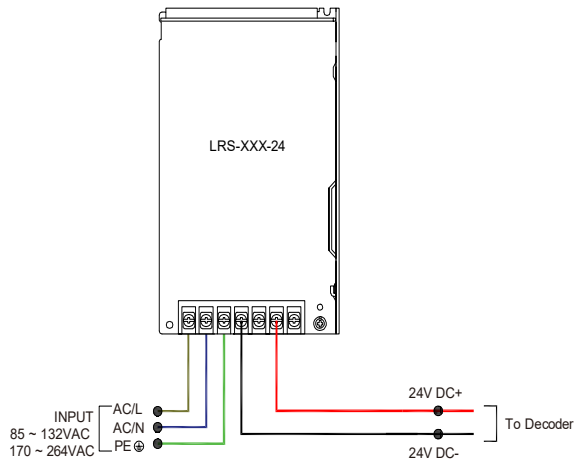
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24A-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm
LRS-150-24	150W	85-132VAC / 170-264VAC	24V	Dry	159 * 97 * 30 mm

DMX-Decoders & Controllers Options

Type	Code	Description	Environment	Size (L x W x H)
DMX Decoders	D4-F	4 channels output, Max. 5A current per channel, up to 480W output power	Indoor	175 * 42 * 33 mm
Controllers	EX4S	512 DMX channels	Indoor	86 * 86 * 36 mm
Power Repeaters	LT-3040-5A	4 channels output, Max. 5A current per channel, up to 480W output power	Indoor	175 * 44 * 30 mm
Signal Amplifier	LT-123	DMX(485) signal amplifier, 1 input / 3 outputs	Indoor	192 * 80 * 41 mm

Wiring Diagram





LINIO NEON 1228X SV RGBW

24V Voltage Drop & Maximum Wire Length Chart

Based on 24V voltage with a 3% voltage drop allowance. Indicates the maximum wire length from the power supply to the start of the run.

Total load	8AWG	10AWG	12AWG	14AWG	16AWG	18AWG	20AWG	22AWG
10W / 0.4A	484.0m	304.5m	191.4m	120.4m	75.5m	47.5m	29.8m	18.5m
20W / 0.8A	242.0m	152.1m	95.7m	60.0m	37.8m	23.7m	14.9m	9.1m
30W / 1.3A	161.2m	101.5m	63.7m	39.9m	24.9m	15.8m	9.7m	6.1m
40W / 1.7A	121.0m	75.9m	47.8m	29.8m	18.9m	11.8m	7.3m	4.5m
50W / 2.1A	96.6m	60.6m	38.1m	24.0m	14.9m	9.4m	5.7m	3.6m
60W / 2.5A	80.4m	50.6m	31.7m	19.8m	12.5m	7.9m	4.8m	3.0m
70W / 2.9A	68.8m	43.2m	27.1m	17.0m	10.6m	6.7m	4.2m	2.4m
80W / 3.3A	60.3m	37.8m	23.7m	14.9m	9.4m	5.7m	3.6m	2.1m
90W / 3.8A	53.6m	33.8m	21.0m	13.1m	8.2m	5.1m	3.0m	1.8m
100W / 4.2A	48.1m	30.1m	18.9m	11.8m	7.3m	4.5m	2.7m	1.8m
110W / 4.6A	43.8m	27.4m	17.3m	10.6m	6.7m	4.2m	2.7m	1.5m
120W / 5.0A	40.2m	25.3m	15.8m	9.7m	6.1m	3.9m	2.4m	1.5m
130W / 5.4A	37.1m	23.1m	14.6m	9.1m	5.7m	3.6m	2.1m	1.2m
140W / 5.8A	34.4m	21.6m	13.4m	8.5m	5.1m	3.3m	2.1m	1.2m
150W / 6.3A	32.0m	20.1m	12.5m	7.9m	4.8m	3.0m	1.8m	1.2m
160W / 6.7A	30.1m	18.9m	11.8m	7.3m	4.5m	2.7m	1.8m	0.9m
170W / 7.1A	28.3m	17.6m	10.9m	7.0m	4.2m	2.7m	1.5m	0.9m
180W / 7.5A	26.8m	16.7m	10.3m	6.7m	3.9m	2.4m	1.5m	0.9m
190W / 7.9A	25.3m	15.8m	10.0m	6.0m	3.9m	2.4m	1.5m	0.9m
200W / 8.3A	24.0m	14.9m	9.4m	5.7m	3.6m	2.1m	1.2m	0.9m
210W / 8.8A	22.8m	14.3m	8.8m	5.4m	3.3m	2.1m	1.2m	0.6m
220W / 9.2A	21.9m	13.7m	8.5m	5.4m	3.3m	2.1m	1.2m	0.6m
230W / 9.6A	21.0m	13.1m	8.2m	5.1m	3.0m	1.8m	1.2m	0.6m
240W / 10.0A	20.1m	12.5m	7.9m	4.8m	3.0m	1.8m	1.2m	0.6m
250W / 10.4A	19.2m	12.1m	7.6m	4.5m	2.7m	1.8m	0.9m	0.6m