

LINIO NEON 1617 SV RGBWW

Outdoor · Horizontal Bending

Features

- Robust & uniform silicone body, changeable RGBWW colors
- IP67 rated, ideal for outdoor uses
- 5 years warranty

Applications

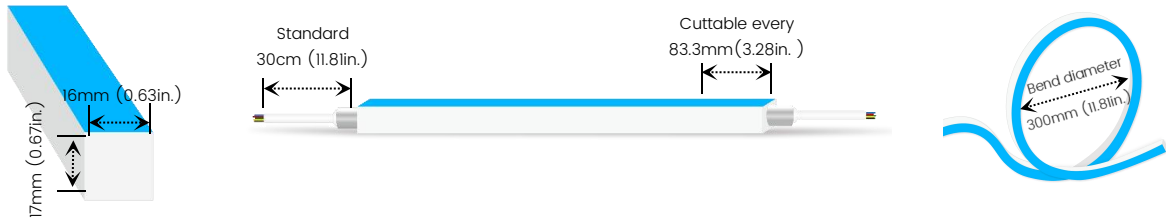
Hotels, facades, gardens, parks, balconies, roofs, soffits, etc.

Date _____ Fixture type _____

Project name _____ Project phase _____



Dimensions



Order Code

Assembly Builder

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
LNI617SV	W7-Wet (IP67)	24-DC24V	RGBWW2755- (WW=2700K+5500K)	173-17.3W/M	IJ Injected (IP67) IJC Clear injected (IP67) SEC Silicone (IP67)	F Front OW Open wire 30cm B Bottom MC Male connector with 30cm cable S Side FC Female connector with 30cm cable C Closed NA Only for Closed Feed Entry

Assembly Builder

Right Feed Entry			Length
F Front	OW	Open wire 30cm	Max. nominal 5m
B Bottom	MC	Male connector with 30cm cable	
S Side	FC	Female connector with 30cm cable	
C Closed	NA	Only for Closed Feed Entry	

Mounting Order Code

Product Code
Please select on the Mounting Options page.

*We will manufacture to the requested length considering the increment length.

Lumen Output (lm/m)

Temp./Color	17.3W/M
R	68
G	164
B	39
W27	194
W55	218
RGBWW2755	640
Max. Run Length (M)	5
Storage Temperature	-40°C- 60°C
Operating Temperature	-40°C- 45°C

Technical Details

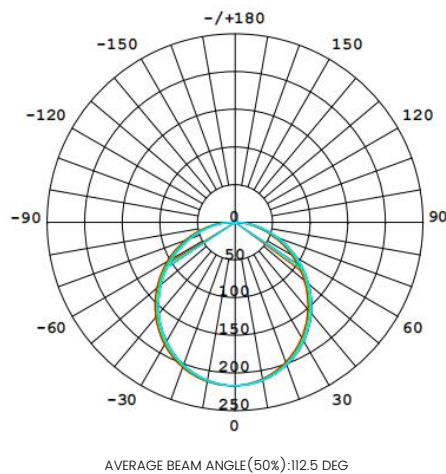
Efficacy	37lm/W @RGBWW2755 17.3W
CRI	Ra ≥ 90
Beam Angle	110°
LED MacAdam	3 steps
Average Life (L70)	> 50,000 hours
Max. Length Per Reel	20M
Finish	Matte

LINIO NEON 1617 SV RGBWW

Outdoor · Horizontal Bending

Photometry

LN1617SV-W7-24-RGBWW2755-I73-SEC-F-OW-F-OW
LN1617SV RGBWW, Vertical bend, RGBWW2755, 17.3W/M



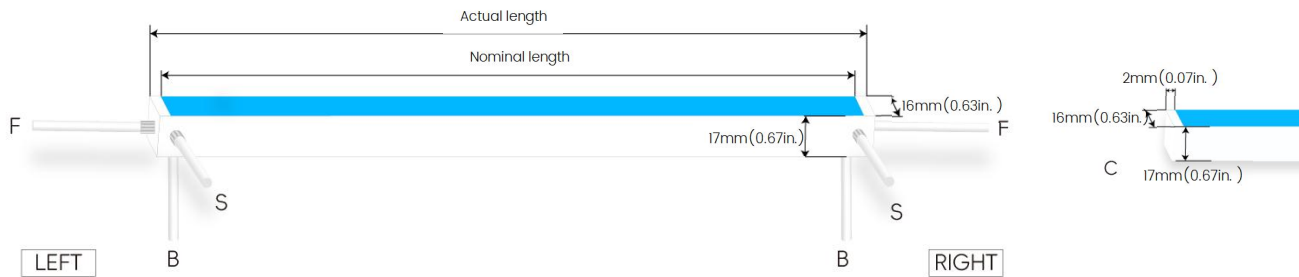
Zonal Lumen Summary RGBWW2755

Zone	Lumen	% Fixture
0-30	167.9	26.2%
0-40	274.7	42.9%
0-60	485.8	75.9%
0-90	630.5	98.5%
0-180	640.1	100%

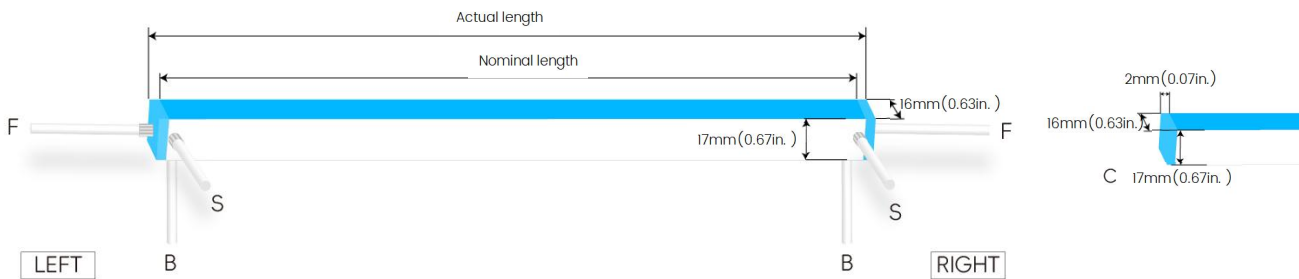
UNIT: CD
— C0/180, 112.4
— C30/210, 112.5
— C60/240, 112.5
— C90/270, 112.4

Feed Entry / End Cap Options

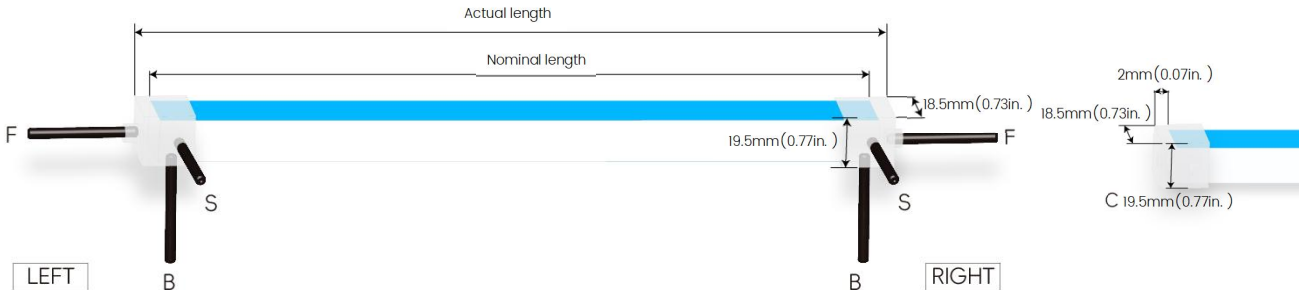
IJ: Injected end cap – IP67, factory-made only



IJC: Clear injected end cap – IP67, factory-made only



SEC: Silicone end cap – IP67



LINIO NEON 1617 SV RGBWW

Outdoor · Horizontal Bending

Connector Wire Options



OW: Open wire, **Dry only**
Standard 30cm (0.98ft), 18 AWG (wire length customizable)

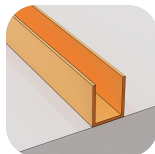
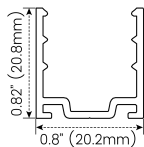


MC: Male connector, **Wet**
Standard 30cm (0.98ft), 18 AWG



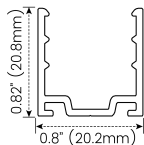
FC: Female connector, **Wet**
Standard 30cm (0.98ft), 18 AWG

Mounting Options



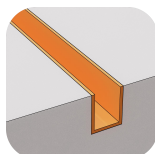
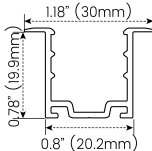
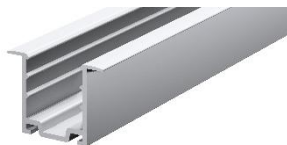
LN1617-SC

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



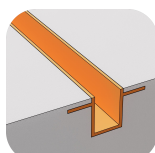
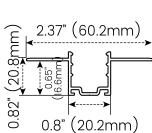
LN1617-BC

Name Bendable surface channel
Material Aluminum
Standard Length 1M (3.28ft)



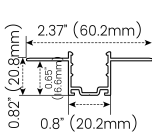
LN1617-RC

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



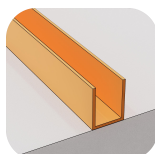
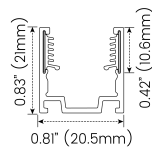
LN1617-MC

Name Mud-in channel
Material Aluminum
Standard Length 1M (3.28ft)



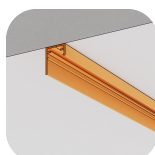
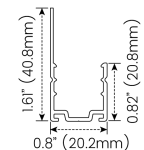
LN1617-BMC

Name Bendable mud-in channel
Material Aluminum
Standard Length 1M (3.28ft)



LN1617-SCS

Name Straight surface channel with silicone groove
Material Aluminum
Standard Length 1M (3.28ft)

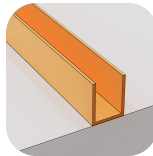
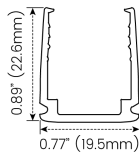


LN1617-LBC

Name Light-block channel
Material Aluminum
Standard Length 1M (3.28ft)

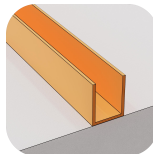
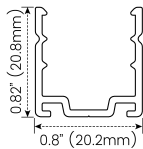
LINIO NEON 1617 SV RGBWW

Outdoor · Horizontal Bending



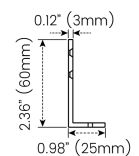
LN1617-PC

Name	PC channel
Material	Polycarbonate
Standard Length	1M (3.28ft)



LN1617-CL

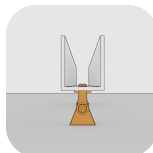
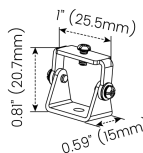
Name	Mounting clip
Material	Aluminum
Standard Length	25mm (0.98in.)



LN1617-LS

Name	L-shaped mounting bracket
Material	Aluminum
Standard Length	0.79in. (20mm)

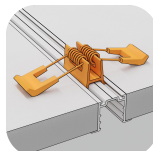
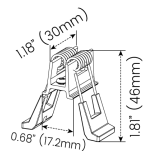
* LN1617-LS can be installed with aluminum channel LN1617-SC.



LN1617-AC

Name	Adjustable mounting clip
Material	Stainless steel
Standard Length	1 in. (25.5mm)

* LN1617-LS can be installed with aluminum channel LN1617-SC.



LN1617-RC-SPC

Name	Spring clip
Standard Pkg	1pcs

* LN1617-RC-SPC must be installed with aluminum channel LN1617-RC.

End Caps (Optional, purchase for extra)



LN1617-SEC-C
Silicone closed end cap



LN1617-SEC-F-6P
Silicone end cap front entry with 30cm (0.98ft) cable, 6 pin



LN1617-SEC-S-6P
Silicone end cap side entry with 30cm (0.98ft) cable, 6 pin



LN1617-SEC-B-6P
Silicone end cap bottom entry with 30cm (0.98ft) cable, 6 pin

LINIO NEON 1617 SV RGBWW

Outdoor · Horizontal Bending

Additional Accessories (Optional, purchase for extra)



MCW-6P-67
Male connector with 30cm (0.98ft)
white cable, 6 pin, IP67, Wet, 18 AWG



FCW-6P-67
Female connector with 30cm (0.98ft)
white cable, 6 pin, IP67, Wet, 18 AWG



MCB-6P-67
Male connector with 30cm (0.98ft)
black cable, 6pin, IP67, Wet, 18 AWG



FCB-6P-67
Female connector with 30cm (0.98ft)
black cable, 6 pin, IP67, Wet, 18 AWG

Drivers

Non-dimmable

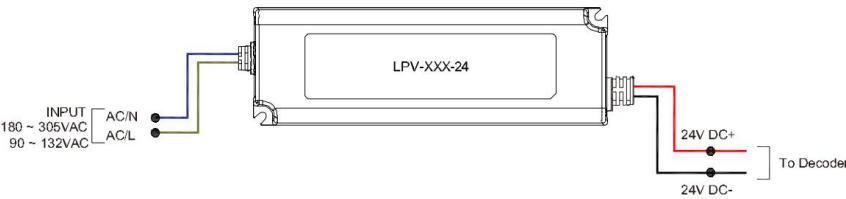
Code	Max Load	Input	Output	Environment	Size (L x W x H)
XLG-150-24-A	150W	100-305VAC	24V	Dry/Damp/IP67	180 * 63 * 35.5 mm
LPV-150-24	150W	180-305VAC		Dry/Damp/IP67	148 * 40 * 30 mm
LRS-150-24	150W	85-132VAC / 170-264VAC		Dry	99 * 97 * 30 mm

DMX-Decoders & Contrllers Options

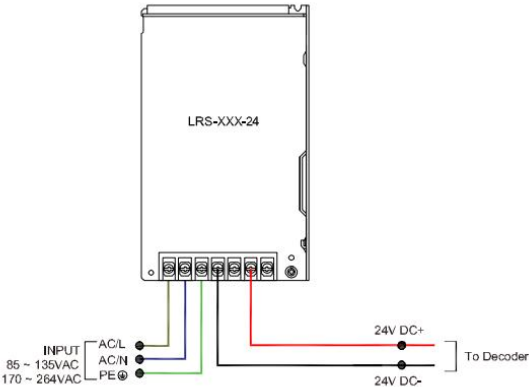
Type	Code	Description	Environment	Size (L *W *H)
DMX Decoders	LT-905	5 channels output, Max. 5A current per channel, up to 600W output power	Indoor	175 * 42 * 33 mm
Controllers	EX5S	512 DMX channels	Indoor	86 * 86 * 36 mm
Controllers	F5-DMX-4A	RF Controller, 5 channels output, Max. 5A current per channel, up to 480W output power	Indoor	175*44*30mm
Power Repeaters	CW4	1024 DMX channels, 6 SECne buttons and a color wheel, ideal for hotels, homes and public	Indoor	145 * 107 * 10 mm

Wiring Diagram

Non-dimmable



Non-dimmable



LINIO NEON 1617 SV RGBWW Outdoor · Horizontal Bending

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	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG
5W / 0.2A	527.3 m	238.9 m	121.0 m	80.2 m	53.3 m	39.9 m	32.6 m
10W / 0.4A	263.6 m	119.4 m	60.7 m	40.2 m	26.8 m	20.1 m	16.5 m
15W / 0.6A	175.9 m	79.6 m	40.2 m	26.8 m	17.7 m	13.4 m	11.0 m
20W / 0.8A	132.0 m	59.7 m	30.2 m	20.1 m	13.4 m	10.1 m	8.2 m
25W / 1.0A	105.5 m	47.9 m	24.1 m	16.2 m	10.7 m	7.9 m	6.7 m
30W / 1.3A	88.1 m	39.9 m	20.1 m	13.4 m	8.8 m	6.7 m	5.5 m
35W / 1.5A	75.6 m	34.1 m	17.4 m	11.6 m	7.6 m	5.8 m	4.6 m
40W / 1.7A	66.1 m	29.9 m	15.2 m	10.1 m	6.7 m	4.9 m	4.0 m
45W / 1.9A	58.5 m	26.5 m	13.4 m	8.8 m	5.8 m	4.3 m	3.7 m
50W / 2.1A	52.7 m	23.8 m	12.2 m	7.9 m	5.5 m	4.0 m	3.4 m
55W / 2.3A	47.9 m	21.6 m	11.0 m	7.3 m	4.9 m	3.7 m	3.0 m
60W / 2.5A	43.9 m	19.8 m	10.1 m	6.7 m	4.6 m	3.4 m	2.7 m
65W / 2.7A	40.5 m	18.3 m	9.1 m	6.1 m	4.3 m	3.0 m	2.4 m
70W / 2.9A	37.8 m	17.1 m	8.5 m	5.8 m	4.0 m	3.0 m	2.4 m
75W / 3.1A	35.4 m	15.9 m	7.9 m	5.2 m	3.7 m	2.7 m	2.1 m
80W / 3.3A	33.2 m	14.9 m	7.6 m	4.9 m	3.4 m	2.4 m	2.1 m
85W / 3.5A	31.4 m	14.0 m	7.0 m	4.6 m	3.0 m	2.4 m	1.8 m
90W / 3.8A	29.6 m	13.4 m	6.7 m	4.6 m	3.0 m	2.1 m	1.8 m
96W / 4.0A	27.7 m	12.5 m	6.4 m	4.3 m	2.7 m	2.1 m	1.8 m