Beamever

Designer's Custom Playground

LINIO NEON 1617 PIXEL RGBW

Outdoor · Vertical Bending · Horizontal Bending

Features

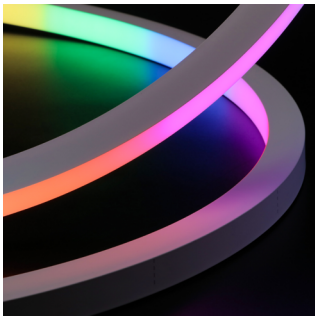
- Robust silicone body, uniform illumination, addressable RGBW control
- IP68 rated, ideal for outdoor uses, not for underwater project
- 5 years warranty

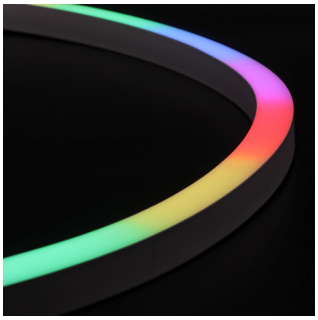
Date | Fixture type

Project name | Project phase

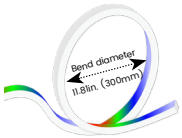
Applications

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

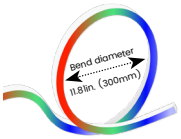




Bending Directions & Diameters

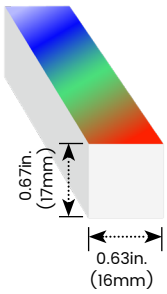


TV - Top View
(Vertical Bending)



SV - Side View
(Horizontal Bending)

Dimensions





Order Code

Model	Environment	Voltage	CCT	Power	End Cap
LN1617TV **LN1617SV**	**W8**-Wet (IP68)	**24V**-DC24V	**PRGBW27K**-Pixel RGBW2700K **PRGBW30K**-Pixel RGBW3000K **PRGBW35K**-Pixel RGBW3500K **PRGBW40K**-Pixel RGBW4000K	**4.6**-4.57W/ft	**FT** Flush Translucent **FO** Flush Opaque

Assembly Builder

Left Feed Entry	
F Front	**OW** Open wire 3.28ft (1m)
B Bottom	**OA** Open Wire with Anti-Wicking Ferrule
S Side	**MC** Male connector with 11.81in. (300mm) cable
C Closed	**FC** Female connector with 11.81in. (300mm)cable
	NA Only for Closed Feed Entry

Assembly Builder

Right Feed Entry		
F Front	**OW**	Open wire 3.28ft (1m)
B Bottom	**OA**	Open Wire with Anti-Wicking Ferrule
S Side	**MC**	Male connector with 11.81in. (300mm) cable
C Closed	**FC**	Female connector with 11.81in. (300mm)cable
	NA	Only for Closed Feed Entry

Length	
Max. nominal	16.4ft (5m)
Increment	3.28in.(83.3mm)

*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 1617 PIXEL RGBW

Outdoor · Vertical Bending · Horizontal Bending

Lumen Output (lm/ft)

CCT	Vertical Bending	Horizontal Bending
	4.57W/ft	4.57W/ft
R	18	13
G	52	39
B	13	10
W27K	59	45
W30K	63	48
W35K	65	49
W40K	66	50
PRGBW27K	140	104
PRGBW30K	143	107
PRGBW35K	145	105
PRGBW40K	147	107
Max. Run for Class 2*	16.4ft (5m)	16.4ft (5m)
Max. Run Supported Length	16.4ft (5m)	16.4ft (5m)

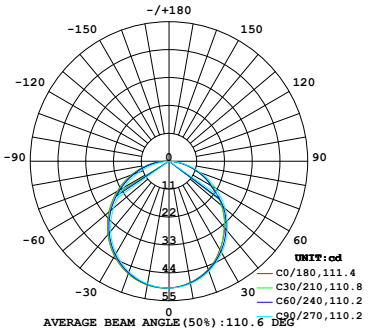
*Typically installations in USA and Canada comply with Class 2 requirements

Techinical Details

Parameter	Vertical Bending	Horizontal Bending
Efficacy	31lm/W @PRGBW30K 4.57W	23lm/W @PRGBW30K 4.57W
CRI	Ra≥80	Ra≥80
IK Rating	IK10 (with aluminium profile)	IK10 (with aluminium profile)
Average Life (L80B10)	>46,000 hours	>46,000 hours
IC Model	UCS 512CL	UCS 512CL
Pixel Size	3.3in./pixel (83mm/pixel)	3.3in./pixel (83mm/pixel)
Storage Temperature	-40°F~149°F (-40°C~ 65°C)	-40°F~149°F (-40°C~ 65°C)
Operating Temperature	-40°F~149°F (-40°C~ 65°C)	-40°F~149°F (-40°C~ 65°C)

Photometry

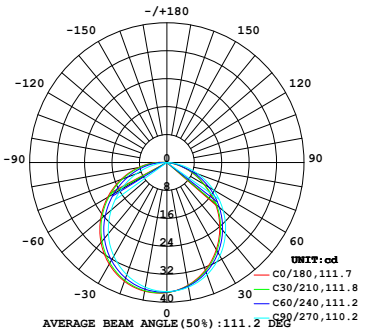
LN1617TV-W8-24V-PRGBW30K-4.6-FT-F-OW-F-OW
LINIO NEON 1617 TV PIXEL RGBW, Vertical bend, PRGBW30K, 4.57W/ft



Zonal Lumen Summary

Zone	Lumen	% Fixture
0-30	38.6	26.9%
0-40	63.1	43.8%
0-60	110.8	77.0%
0-90	142.1	98.8%
0-180	143.9	100.0%

LN1617SV-W8-24V-PRGBW30K-4.6-FT-F-OW-F-OW
LINIO NEON 1617 SV PIXEL RGBW, Horizontal bend, PRGBW30K, 4.57W/ft



Zonal Lumen Summary

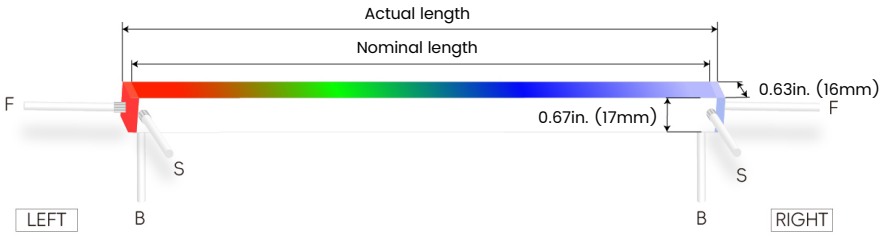
Zone	Lumen	% Fixture
0-30	28.7	26.7%
0-40	46.8	43.6%
0-60	82.5	76.8%
0-90	106.2	98.8%
0-180	107.5	100.0%

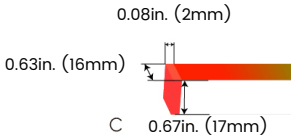
LINIO NEON 1617 PIXEL RGBW

Outdoor · Vertical Bending · Horizontal Bending

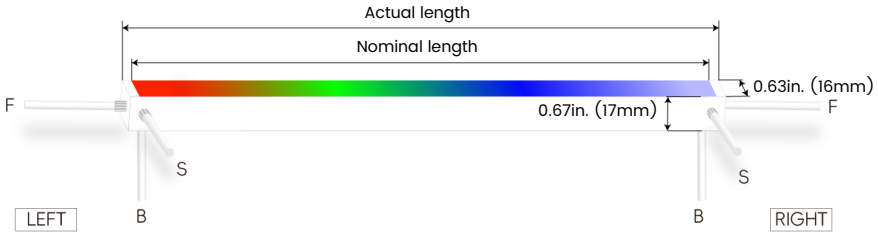
Feed Entry / End Cap Options

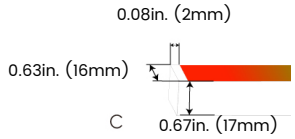
FT: Flush Translucent – IP68, factory-made only



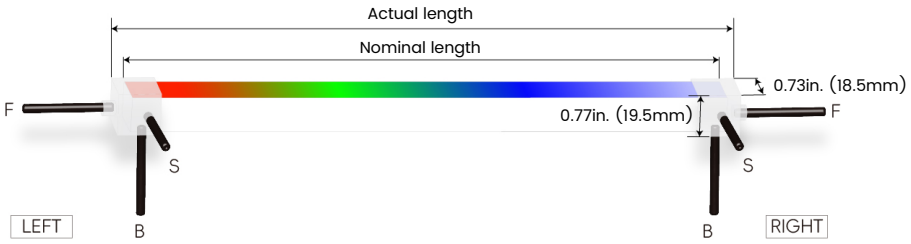


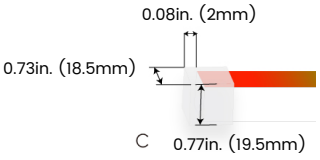
FO: Flush Opaque – IP68, factory-made only



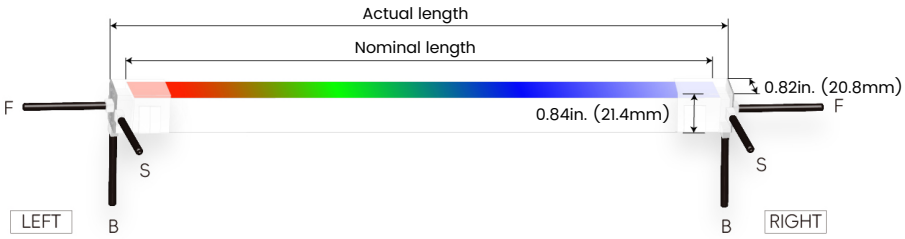


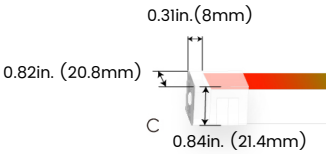
Silicone end cap – IP67, for field cuttable only





Mechanical end cap with screws – IP67, for field cuttable only

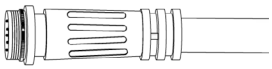




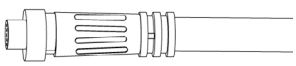
Connector Wire Options



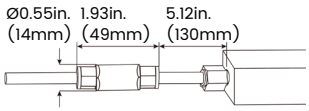
OW: Open wire, **Dry only**
Standard 3.28ft (1m),20 AWG,
wire length customizable



MC: Male connector, **Wet**
Standard 11.81in. (300mm), 22 AWG

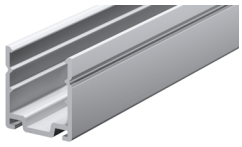
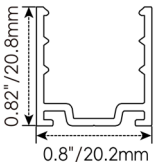


FC: Female connector, **Wet**
Standard 11.81in. (300mm), 22 AWG



OA: Open Wire with **Anti-Wicking Ferrule, Wet**
Standard 3.28ft (1m),20 AWG,
Protects against water ingress through the power cable

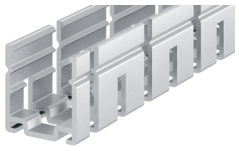
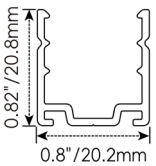
Mounting Options



NF1617-SC

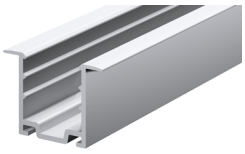
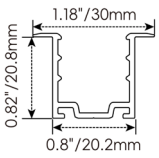
Name	Straight surface channel
Material	Aluminum
Standard Length	3.28ft (1m)




NF1617-BC

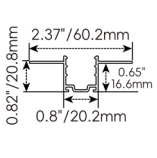
Name	Bendable surface channel
Material	Aluminum
Standard Length	3.28ft (1m)
Min. Bending Radius	11.8in (300mm)



NF1617-RC

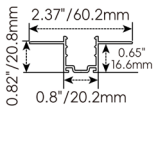
Name	Straight recessed channel
Material	Aluminum
Standard Length	3.28ft (1m)



NF1617-MC

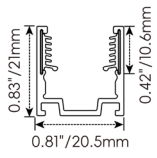
Name	Mud-in channel
Material	Aluminum
Standard Length	3.28ft (1m)




NF1617-BMC

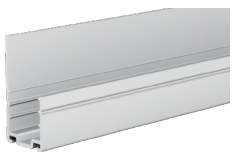
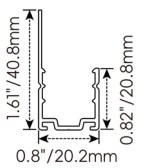
Name	Bendable mud-in channel
Material	Aluminum
Standard Length	3.28ft (1m)
Min. Top Bending Radius	11.8in (300mm)
Min. Side Bending Radius	31.5in. (800mm)



NF1617-SCS

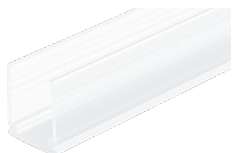
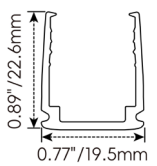
Name	Straight surface channel
Material	Aluminum with silicone groove
Standard Length	3.28ft (1m)



NF1617-LBC

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



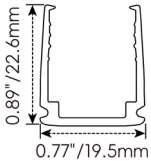
NF1617-PC

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

LINIO NEON 1617 PIXEL RGBW

Outdoor · Vertical Bending · Horizontal Bending

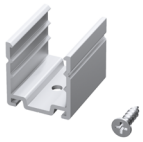
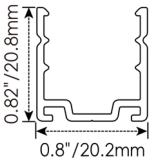
Mounting Options



NF1617-BPC

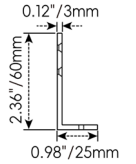
Name	Bendable surface channel
Material	Polycarbonate
Standard Length	3.28ft (1m)
Min. Bending Radius	5.91in. (150mm)



NF1617-CL

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

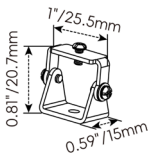






NF1617-LS

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

* NF1617-LS must be installed with NF1617-SC

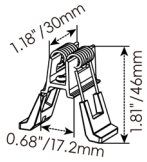



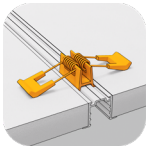



NF1617-AC

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

* NF1617-AC must be installed with NF1617-SC




NF1617-RC-SPC

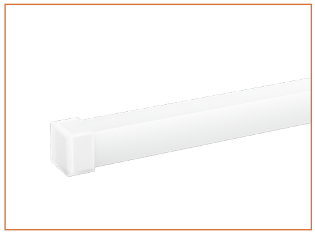
Name	Spring clip
Standard Pkg	1pcs

* NF1617-RC-SPC must be installed with NF1617-RC

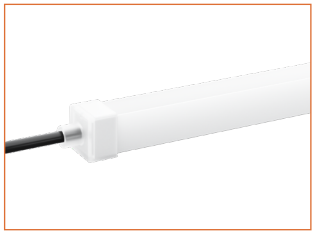
LINIO NEON 1617 PIXEL RGBW

Outdoor · Vertical Bending · Horizontal Bending

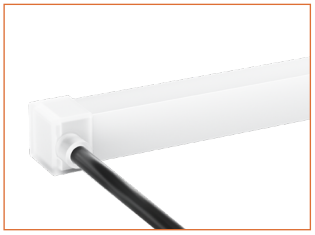
Silicone End Caps (Optional, purchase for extra)



NF1617-SEC-C
Silicone closed end cap



NF1617-SEC-F-5P
Silicone end cap front entry with 11.81in. (300mm) cable, 5 pin

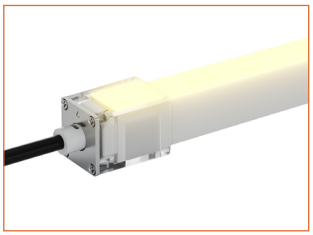


NF1617-SEC-S-5P
Silicone end cap side entry with 11.81in. (300mm) cable, 5 pin

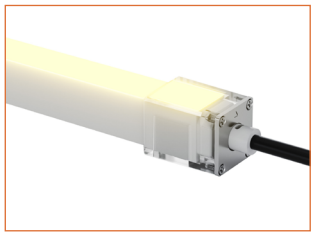


NF1617-SEC-B-5P
Silicone end cap bottom entry with 11.81in. (300mm) cable, 5 pin

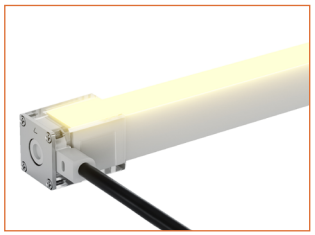
Solderless & Glueless Mechanical End Caps for Vertical Bending(Optional, purchase for extra)



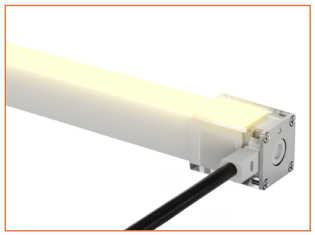
NF1617T-MEC-LF-5P
Mechanical end cap with screws, left front entry, 11.81in. (300mm) cable, 5 pin, IP67



NF1617T-MEC-RF-5P
Mechanical end cap with screws, right front entry, 11.81in. (300mm) cable, 5 pin, IP67



NF1617T-MEC-LS-5P
Mechanical end cap with screws, left side entry, 11.81in. (300mm) cable, 5 pin, IP67



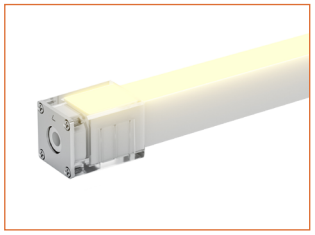
NF1617T-MEC-RS-5P
Mechanical end cap with screws, right side entry, 11.81in. (300mm) cable, 5 pin, IP67



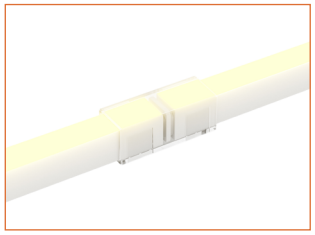
NF1617T-MEC-LB-5P
Mechanical end cap with screws, left bottom entry, 11.81in. (300mm) cable, 5 pin, IP67



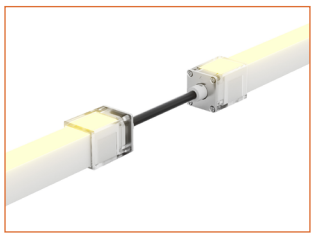
NF1617T-MEC-RB-5P
Mechanical end cap with screws, right bottom entry, 11.81in. (300mm) cable, 5 pin, IP67



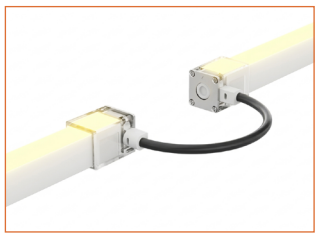
NF1617T-MEC-C
Mechanical closed end cap with screws, IP67



NF1617T-S-S-5P
Strip to strip connector, 5 pin, IP54



NF1617T-JC-F-5P
Jumper connector front entry, 5.9in. (150mm) cable, 5 pin, IP67



NF1617T-JC-S-5P
Jumper connector side entry, 5.9in. (150mm) cable, 5 pin, IP67

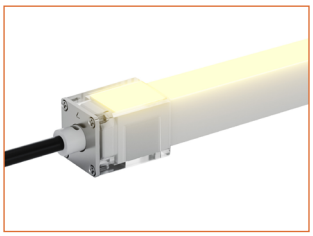


NF1617T-JC-B-5P
Jumper connector bottom entry, 5.9in. (150mm) cable, 5 pin, IP67

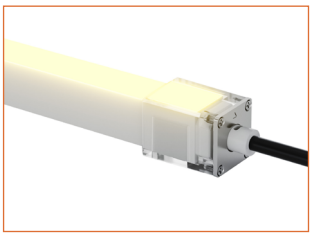
LINIO NEON 1617 PIXEL RGBW

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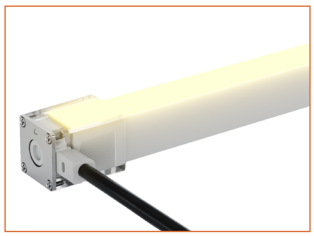
Solderless & Glueless Mechanical End Caps for Horizontal Bending(Optional, purchase for extra)



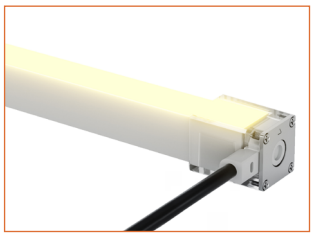
NF1617S-MEC-LF-5P
Mechanical end cap with screws,
left front entry,
11.81in. (300mm) cable, 5 pin, IP67



NF1617S-MEC-RF-5P
Mechanical end cap with screws,
right front entry,
11.81in. (300mm) cable, 5 pin, IP67



NF1617S-MEC-LS-5P
Mechanical end cap with screws,
left side entry,
11.81in. (300mm) cable, 5 pin, IP67



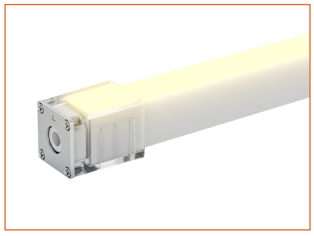
NF1617S-MEC-RS-5P
Mechanical end cap with screws,
right side entry,
11.81in. (300mm) cable, 5 pin, IP67



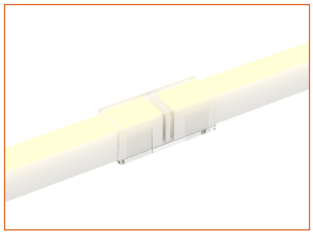
NF1617S-MEC-LB-5P
Mechanical end cap with screws,
left bottom entry,
11.81in. (300mm) cable, 5 pin, IP67



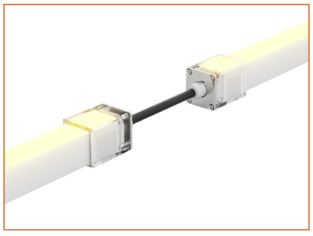
NF1617S-MEC-RB-5P
Mechanical end cap with screws,
right bottom entry,
11.81in. (300mm) cable, 5 pin, IP67



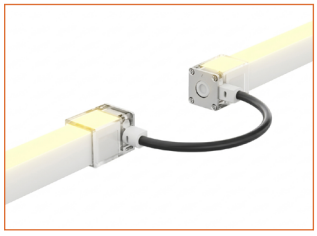
NF1617S-MEC-C
Mechanical closed end cap with
screws, IP67



NF1617S-S-S-5P
Strip to strip connector,
5 pin, IP54



NF1617S-JC-F-5P
Jumper connector front entry,
5.9in. (150mm) cable, 5 pin, IP67



NF1617S-JC-S-5P
Jumper connector side entry,
5.9in. (150mm) cable, 5 pin, IP67



NF1617S-JC-B-5P
Jumper connector bottom entry,
5.9in. (150mm) cable, 5 pin, IP67

LINIO NEON 1617 PIXEL RGBW

Outdoor · Vertical Bending · Horizontal Bending

Additional Accessories (Optional, purchase for extra)



MCW-5P-67
Male connector,
11.81in. (300mm) white cable,
5 pin, IP67, Wet, 22 AWG



FCW-5P-67
Female connector,
11.81in. (300mm) white cable,
5 pin, IP67, Wet, 22 AWG



MCB-5P-67
Male connector,
11.81in. (300mm) black cable,
5 pin, IP67, Wet, 22 AWG



FCB-5P-67
Female connector,
11.81in. (300mm) black cable,
5 pin, IP67, Wet, 22 AWG



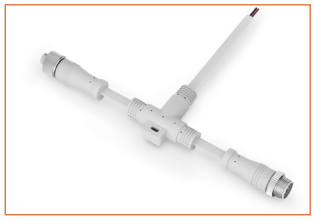
SW-3P-6
Shielded signal wire,
standard 20ft(6m), customizable
3 pin, 18AWG



SC-3P-6
XLR3 extension signal connector,
standard 20ft(6m), customizable
3 pin



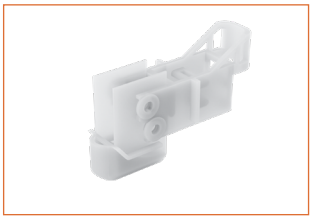
NC-6
RJ45 extension network connector,
standard 20ft(6m), customizable



MFTCW-5P-67
Male and female T-shaped connector,
white cable,
5 pin, IP67, Wet



ADJS
1 Adjustable Angle Scissors Set,
with 4 Spare Blades



NF1617-IT
Installation tool for NF1617-BPC

LINIO NEON 1617 PIXEL RGBW

Outdoor · Vertical Bending · Horizontal Bending

Drivers

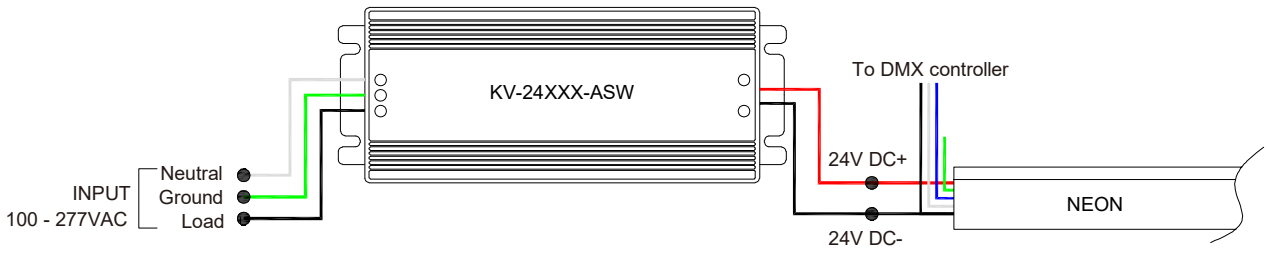
Non-dimmable

Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KV-24030-ASW	30W	100-277VAC	24V	Yes	No	Dry/Damp	6.1 x 2.1 x 0.8in. (15.5 x 5.4 x 2cm)
KV-24060-ASW	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KV-24096-ASW	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)

Controllers Options

Code	Description
DINA-DR micro	DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming
SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes
STICK-GA2	DMX 512 channels, ready to use (pre-loaded with 8 scenes and 170 RGB fixtures)
STICK-CW4	DMX 1024 channels, up to 36 scenes stored and directly recalled via 6 touch sensitive buttons

Wiring Diagram



LINIO NEON 1617 PIXEL RGBW

Outdoor · Vertical Bending · 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	8AWG	10AWG	12AWG	14AWG	16AWG	18AWG	20AWG	22AWG
10W / 0.4A	1588ft (484.0m)	999ft (304.5m)	628ft (191.4m)	395ft (120.4m)	248ft (75.5m)	156ft (47.5m)	98ft (29.8m)	61ft (18.5m)
20W / 0.8A	794ft (242.0m)	499ft (152.1m)	314ft (95.7m)	197ft (60.0m)	124ft (37.8m)	78ft (23.7m)	49ft (14.9m)	30ft (9.1m)
30W / 1.3A	529ft (161.2m)	333ft (101.5m)	209ft (63.7m)	131ft (39.9m)	82ft (24.9m)	52ft (15.8m)	32ft (9.7m)	20ft (6.1m)
40W / 1.7A	397ft (121.0m)	249ft (75.9m)	157ft (47.8m)	98ft (29.8m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)
50W / 2.1A	317ft (96.6m)	199ft (60.6m)	125ft (38.1m)	79ft (24.0m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)
60W / 2.5A	264ft (80.4m)	166ft (50.6m)	104ft (31.7m)	65ft (19.8m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)
70W / 2.9A	226ft (68.8m)	142ft (43.2m)	89ft (27.1m)	56ft (17.0m)	35ft (10.6m)	22ft (6.7m)	14ft (4.2m)	8ft (2.4m)
80W / 3.3A	198ft (60.3m)	124ft (37.8m)	78ft (23.7m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)
90W / 3.8A	176ft (53.6m)	111ft (33.8m)	69ft (21.0m)	43ft (13.1m)	27ft (8.2m)	17ft (5.1m)	10ft (3.0m)	6ft (1.8m)
100W / 4.2A	158ft (48.1m)	99ft (30.1m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)
110W / 4.6A	144ft (43.8m)	90ft (27.4m)	57ft (17.3m)	35ft (10.6m)	22ft (6.7m)	14ft (4.2m)	9ft (2.7m)	5ft (1.5m)
120W / 5.0A	132ft (40.2m)	83ft (25.3m)	52ft (15.8m)	32ft (9.7m)	20ft (6.1m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)
130W / 5.4A	122ft (37.1m)	76ft (23.1m)	48ft (14.6m)	30ft (9.1m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)	4ft (1.2m)
140W / 5.8A	113ft (34.4m)	71ft (21.6m)	44ft (13.4m)	28ft (8.5m)	17ft (5.1m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)
150W / 6.3A	105ft (32.0m)	66ft (20.1m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)
160W / 6.7A	99ft (30.1m)	62ft (18.9m)	39ft (11.8m)	24ft (7.3m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)	3ft (0.9m)
170W / 7.1A	93ft (28.3m)	58ft (17.6m)	36ft (10.9m)	23ft (7.0m)	14ft (4.2m)	9ft (2.7m)	5ft (1.5m)	3ft (0.9m)
180W / 7.5A	88ft (26.8m)	55ft (16.7m)	34ft (10.3m)	22ft (6.7m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)	3ft (0.9m)
190W / 7.9A	83ft (25.3m)	52ft (15.8m)	33ft (10.0m)	20ft (6.0m)	13ft (3.9m)	8ft (2.4m)	5ft (1.5m)	3ft (0.9m)
200W / 8.3A	79ft (24.0m)	49ft (14.9m)	31ft (9.4m)	19ft (5.7m)	12ft (3.6m)	7ft (2.1m)	4ft (1.2m)	3ft (0.9m)
210W / 8.8A	75ft (22.8m)	47ft (14.3m)	29ft (8.8m)	18ft (5.4m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)	2ft (0.6m)
220W / 9.2A	72ft (21.9m)	45ft (13.7m)	28ft (8.5m)	18ft (5.4m)	11ft (3.3m)	7ft (2.1m)	4ft (1.2m)	2ft (0.6m)
230W / 9.6A	69ft (21.0m)	43ft (13.1m)	27ft (8.2m)	17ft (5.1m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)	2ft (0.6m)
240W / 10.0A	66ft (20.1m)	41ft (12.5m)	26ft (7.9m)	16ft (4.8m)	10ft (3.0m)	6ft (1.8m)	4ft (1.2m)	2ft (0.6m)
250W / 10.4A	63ft (19.2m)	40ft (12.1m)	25ft (7.6m)	15ft (4.5m)	9ft (2.7m)	6ft (1.8m)	3ft (0.9m)	2ft (0.6m)