Beamever

LINIO NEON 1617 RGBW

Designer's Custom Playground

Outdoor · Vertical Bending · Horizontal Bending

Features

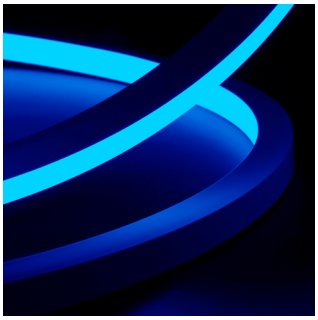
- Robust & uniform silicone body, changeable RGBW colors
- IP68 rated, ideal for outdoor uses, not for underwater project
- 5 years warranty

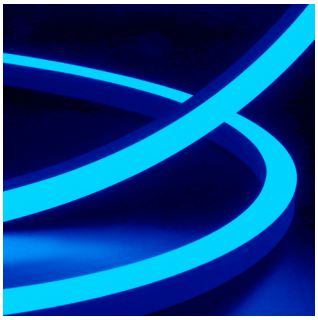
Date | Fixture type

Project name | Project phase

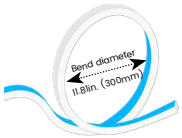
Applications

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

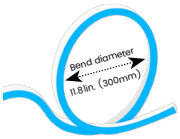




Bending Directions & Diameters

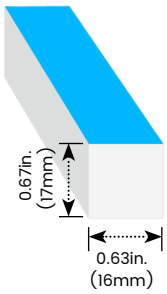


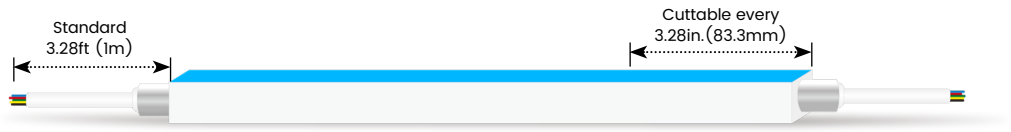
TV - Top View
(Vertical Bending)



SV - Side View
(Horizontal Bending)

Dimensions





Order Code

Model	Environment	Voltage	CCT	Power	End Cap
LN1617TV **LN1617SV**	**W8**-Wet (IP68)	**24V**-DC24V	**RGBW27K**-RGBW2700K **RGBW30K**-RGBW3000K **RGBW35K**-RGBW3500K **RGBW40K**-RGBW4000K	**5.2**-5.18W/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	29.5ft (9m)
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 RGBW

Outdoor · Vertical Bending · Horizontal Bending

Lumen Output (lm/ft)

CCT	Vertical Bending	Horizontal Bending
	5.18W/ft	5.18W/ft
R	25	19
G	72	55
B	16	13
W27K	81	62
W30K	86	66
W35K	88	67
W40K	90	69
RGBW27K	191	146
RGBW30K	197	150
RGBW35K	198	152
RGBW40K	199	153
Max. Run for Class 2*	15.4ft (4.7m)	15.4ft (4.7m)
Max. Run Supported Length	29.5ft (9m)	29.5ft (9m)

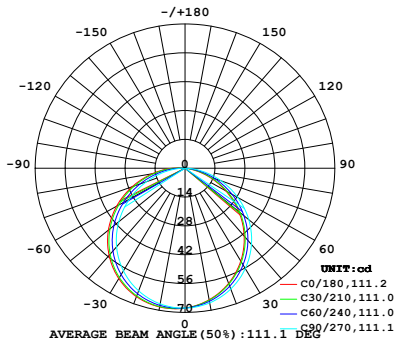
*Typically installations in USA and Canada comply with Class 2 requirements

Techinical Details

Parameter	Vertical Bending	Horizontal Bending
Efficacy	38lm/W @RGBW30K 5.18W	29lm/W @RGBW30K 5.18W
CRI	Ra≥80	Ra≥80
Beam Angle	110°	110°
IK Rating	IK10 (with aluminium profile)	IK10 (with aluminium profile)
Average Life (L80B10)	>46,000 hours	>46,000 hours
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

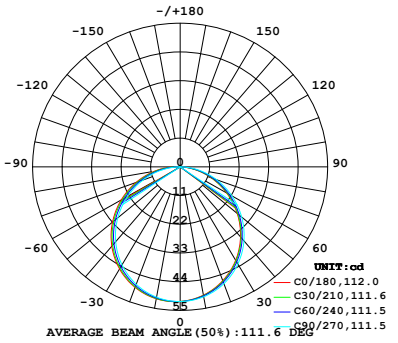
LN1617TV-W8-24V-RGBW30K-5.2-FT-F-OW-F-OW
LINIO NEON 1617 TV RGBW, Vertical bend, RGBW30K, 5.18W/ft



Zonal Lumen Summary

Zone	Lumen	% Fixture
0-30	52.5	26.6%
0-40	85.8	43.5%
0-60	151.0	76.6%
0-90	194.5	98.7%
0-180	197.1	100.0%

LN1617SV-W8-24V-RGBW30K-5.2-FT-F-OW-F-OW
LINIO NEON 1617 SV RGBW, Horizontal bend, RGBW30K, 5.18W/ft



Zonal Lumen Summary

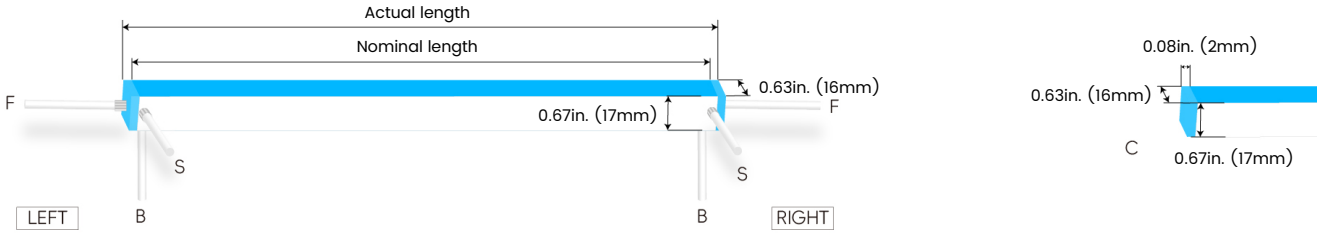
Zone	Lumen	% Fixture
0-30	39.9	26.5%
0-40	65.1	43.2%
0-60	114.9	76.3%
0-90	148.9	98.8%
0-180	150.7	100.0%

LINIO NEON 1617 RGBW

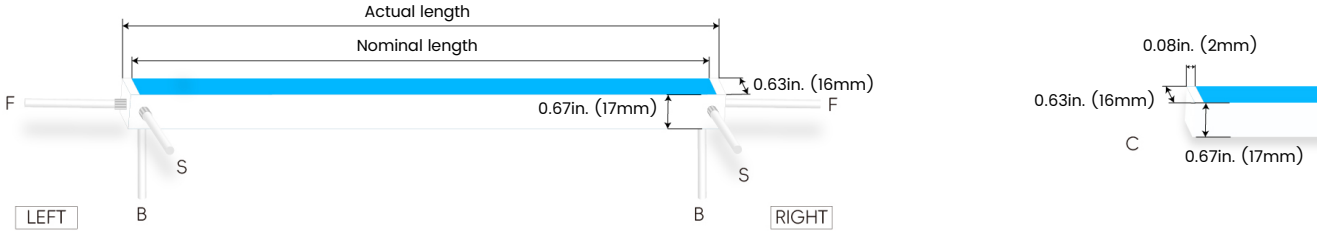
Outdoor · Vertical Bending · Horizontal Bending

Feed Entry / End Cap Options

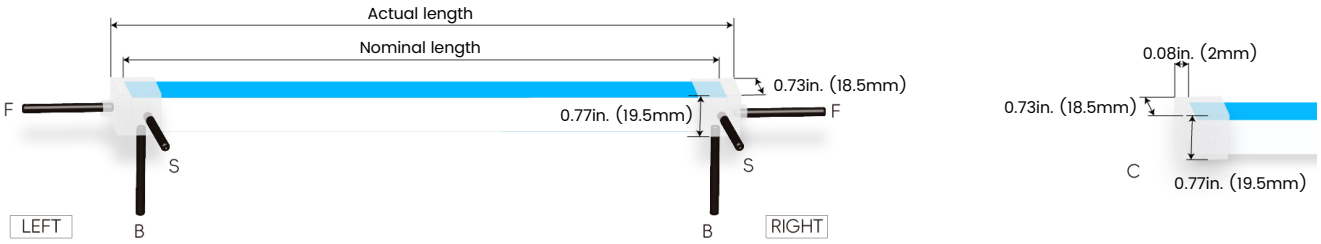
FT: Flush Translucent – IP68, factory-made only



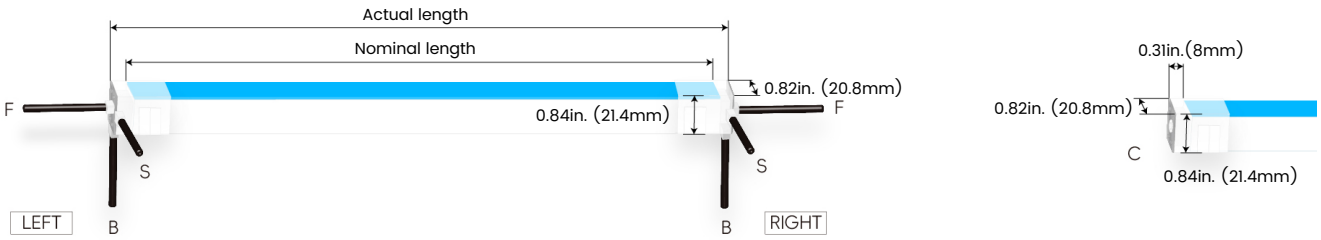
FO: Flush Opaque – IP68, factory-made only



Silicone end cap – IP67, for field cuttable only



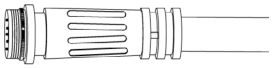
Mechanical end cap with screws – IP67, for field cuttable only



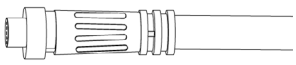
Connector Wire Options



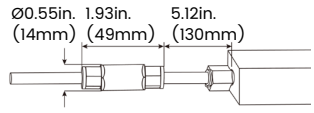
OW: Open wire, **Dry only**
Standard 3.28ft (1m),20 AWG,
wire length customizable



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

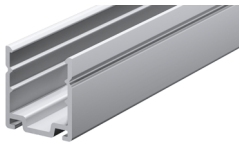
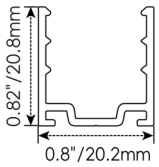


FC: Female connector, **Wet**
Standard 11.81in. (300mm), 20 AWG



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

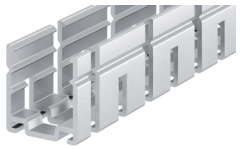
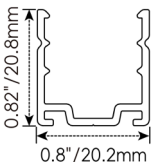
Mounting Options



NF1617-SC

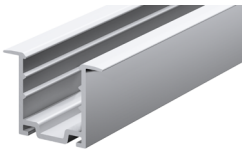
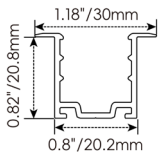
Name	Straight surface channel
Material	Aluminum
Standard Length	3.28ft (1m)




NF1617-BC

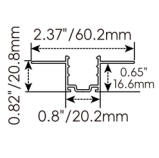
Name	Bendable surface channel
Material	Aluminum
Standard Length	3.28ft (1m)
Min. Bending Radius	11.8in (300mm)



NF1617-RC

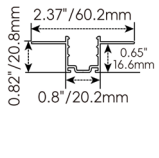
Name	Straight recessed channel
Material	Aluminum
Standard Length	3.28ft (1m)



NF1617-MC

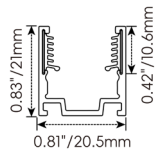
Name	Mud-in channel
Material	Aluminum
Standard Length	3.28ft (1m)




NF1617-BMC

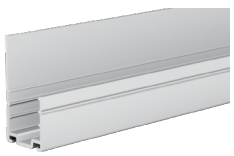
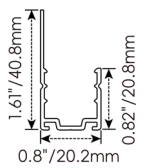
Name	Bendable mud-in channel
Material	Aluminum
Standard Length	3.28ft (1m)
Min. Top Bending Radius	11.8in (300mm)
Min. Side Bending Radius	31.5in. (800mm)



NF1617-SCS

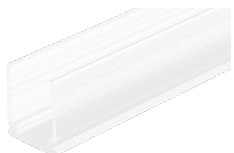
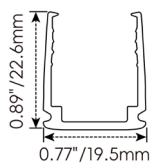
Name	Straight surface channel
Material	Aluminum with silicone groove
Standard Length	3.28ft (1m)



NF1617-LBC

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

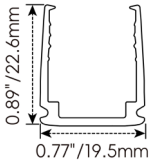





NF1617-PC

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

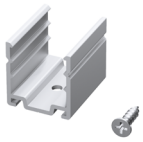
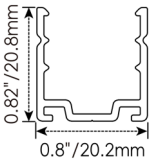
Mounting Options



NF1617-BPC

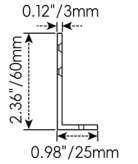
Name	Bendable surface channel
Material	Polycarbonate
Standard Length	3.28ft (1m)
Min. Bending Radius	5.91in. (150mm)



NF1617-CL

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

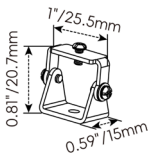






NF1617-LS

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

* NF1617-LS must be installed with NF1617-SC

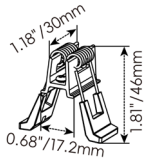



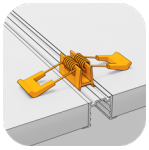



NF1617-AC

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

* NF1617-AC must be installed with NF1617-SC




NF1617-RC-SPC

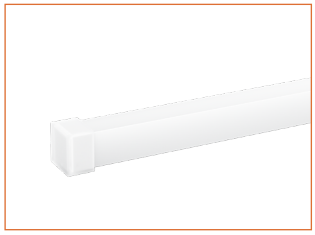
Name	Spring clip
Standard Pkg	1pcs

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

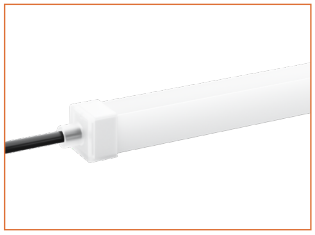
LINIO NEON 1617 RGBW

Outdoor · Vertical Bending · Horizontal Bending

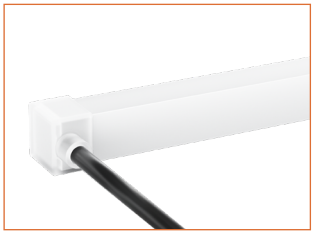
Silicone End Caps (Optional, purchase for extra)



NF1617-SEC-C
Silicone closed end cap



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

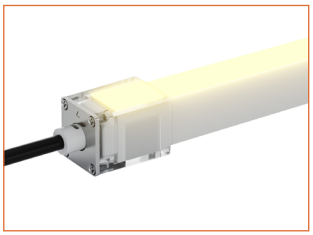


NF1617-SEC-S-5P
Silicone end cap side entry with 11.81in. (300mm) cable, 5 pin

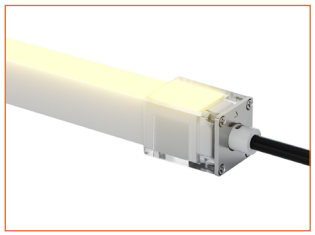


NF1617-SEC-B-5P
Silicone end cap bottom entry with 11.81in. (300mm) cable, 5 pin

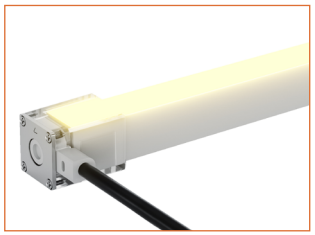
Solderless & Glueless Mechanical End Caps for Vertical Bending(Optional, purchase for extra)



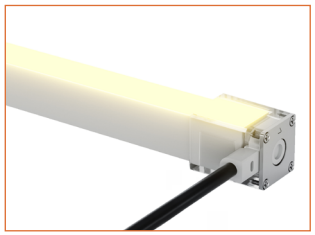
NF1617T-MEC-LF-5P
Mechanical end cap with screws, left front entry, 11.81in. (300mm) cable, 5 pin, IP67



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



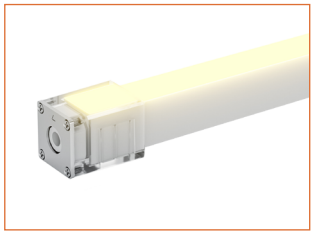
NF1617T-MEC-RS-5P
Mechanical end cap with screws, right side entry, 11.81in. (300mm) cable, 5 pin, IP67



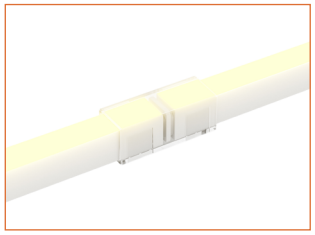
NF1617T-MEC-LB-5P
Mechanical end cap with screws, left bottom entry, 11.81in. (300mm) cable, 5 pin, IP67



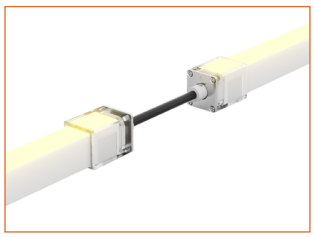
NF1617T-MEC-RB-5P
Mechanical end cap with screws, right bottom entry, 11.81in. (300mm) cable, 5 pin, IP67



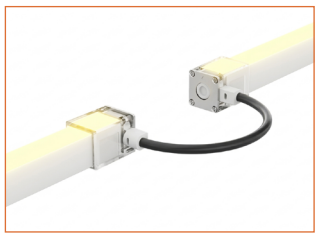
NF1617T-MEC-C
Mechanical closed end cap with screws, IP67



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

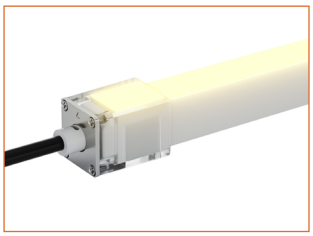


NF1617T-JC-B-5P
Jumper connector bottom entry, 5.9in. (150mm) cable, 5 pin, IP67

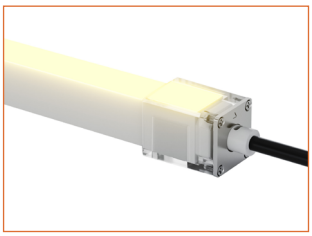
LINIO NEON 1617 RGBW

Outdoor · Vertical Bending · Horizontal Bending

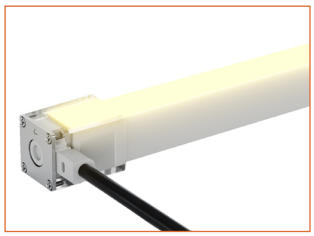
Solderless & Glueless Mechanical End Caps for Horizontal Bending(Optional, purchase for extra)



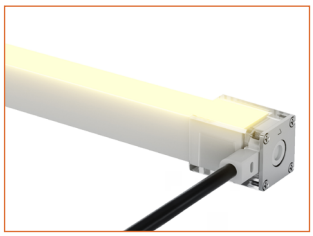
NF1617S-MEC-LF-5P
Mechanical end cap with screws,
left front entry,
11.81in. (300mm) cable, 5 pin, IP67



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



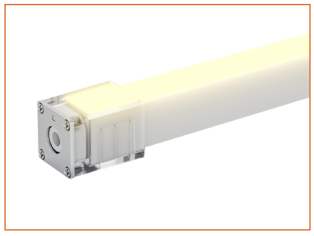
NF1617S-MEC-RS-5P
Mechanical end cap with screws,
right side entry,
11.81in. (300mm) cable, 5 pin, IP67



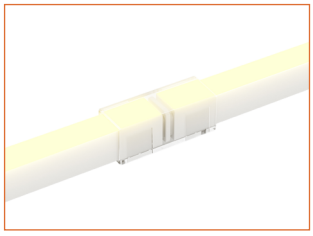
NF1617S-MEC-LB-5P
Mechanical end cap with screws,
left bottom entry,
11.81in. (300mm) cable, 5 pin, IP67



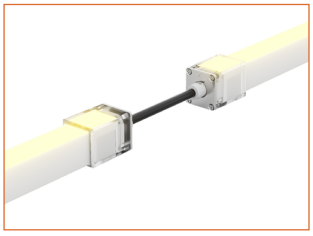
NF1617S-MEC-RB-5P
Mechanical end cap with screws,
right bottom entry,
11.81in. (300mm) cable, 5 pin, IP67



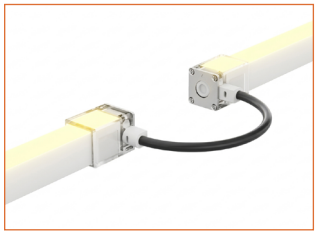
NF1617S-MEC-C
Mechanical closed end cap with
screws, IP67



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

Additional Accessories (Optional, purchase for extra)



MCW-5P-67
Male connector,
11.81in. (300mm) white cable,
5 pin, IP67, Wet, 18 AWG



FCW-5P-67
Female connector,
11.81in. (300mm) white cable,
5 pin, IP67, Wet, 18 AWG



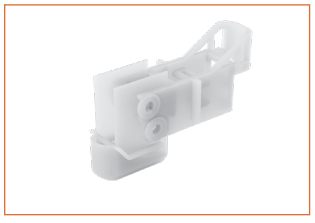
MCB-5P-67
Male connector,
11.81in. (300mm) black cable,
5 pin, IP67, Wet, 18 AWG



FCB-5P-67
Female connector,
11.81in. (300mm) black cable,
5 pin, IP67, Wet, 18 AWG



ADJS
1 Adjustable Angle Scissors Set,
with 4 Spare Blades



NF1617-IT
Installation tool for NF1617-BPC

LINIO NEON 1617 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. (155 x 54 x 20mm)
KV-24060-ASW	60W	100-277VAC	24V	Yes	No	Dry/Damp	7 x 2.4 x 0.9in. (178 x 61 x 24mm)
KV-24096-ASW	96W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (230 x 70 x 43mm)

DMX-dimmable

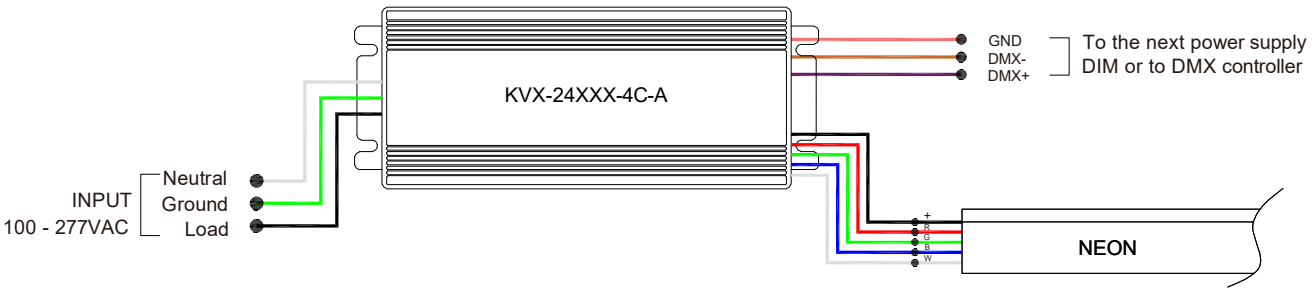
Code	Max Load	Input	Output	Class 2	Environment	Size (L x W x H)
KVX-24100-4C-A	100W	100-277VAC	24V	Yes	Dry/Damp/Wet	9.05 × 3.07 × 0.98 in. (230 × 78 × 25 mm)
KVX-24150-4C-A	150W	100-277VAC	24V	No	Dry/Damp/Wet	10.90 × 3.07 × 0.98 in. (277 × 78 × 25 mm)
KVX-24200-4C-A	200W	100-277VAC	24V	No	Dry/Damp/Wet	10.90 × 3.07 × 0.98 in. (277 × 78 × 25 mm)
KVX-24300-4C-A	300W	100-277VAC	24V	No	Dry/Damp/Wet	11.85 × 3.07 × 0.98 in. (301 × 78 × 25 mm)

DMX-Decoders & Controllers Options

Type	Code	Description	Size (L x W x H)
DMX-Decoders	LT-904	4 channels output, up to 576W output power	4.80 × 4.33 × 1.46 in. (122 × 110 × 37 mm)
DMX-Decoders	LT-916	16 channels output, up to 1152W output power	7.09 × 4.80 × 1.54 in. (180 × 122 × 39 mm)
DMX-Decoders	LT-932	32 channels output, up to 1728W output power	11.81 × 4.80 × 1.54 in. (300 × 122 × 39 mm)
Controllers	DINA-DR micro	DMX 60 channels stand-alone controller with 10 scenes and USB programming	2.05 × 1.14 × 0.94 in. (52 × 29 × 24 mm)
Controllers	SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes	3.03 × 3.43 × 1.57 in. (77 × 87 × 40 mm)
Controllers	STICK-CW4	DMX 1024 channels controller with 36 scenes and 6 touch buttons	4.17 × 5.75 × 0.39 in. (106 × 146 × 10 mm)

Wiring Diagram





LINIO NEON 1617 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)