LINIO NEON 360° RGBW

All-direction Bending · RGBW

Date | Fixture type

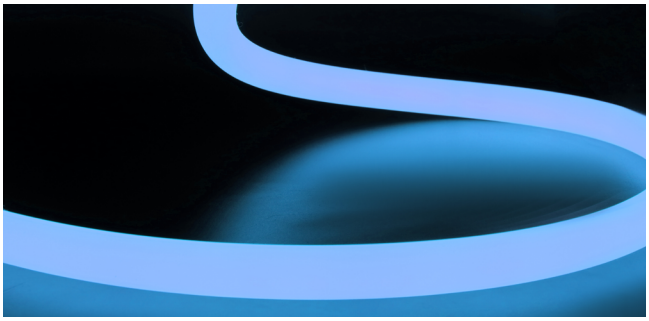
Project name | Project phase

Features

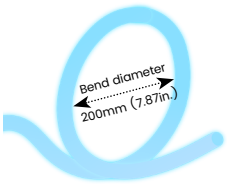
- 360 degree emitting, with changeable RGBW colors
- IP67 rated, ideal for outdoor uses
- 5 years warranty

Applications

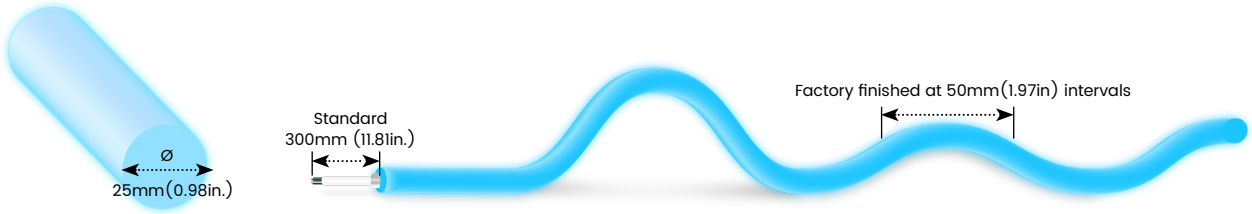
Libraries, coffee shops, offices, lobbies, malls, studios, etc.



Bending Directions & Diameters



Dimensions



Order Code

Model	Environment	Voltage	CCT	Power	End Cap	Left Feed Entry
LN360	**W7**-Wet (IP67)	**24V**-DC24V	**RGBW22K**-RGBW2200K **RGBW27K**-RGBW2700K **RGBW30K**-RGBW3000K **RGBW35K**-RGBW3500K **RGBW40K**-RGBW4000K **RGBW45K**-RGBW4500K	**160**-16W/M	**FT** Flush Translucent	**F** Front, **S** Side, **C** Closed **OW** Open wire 300mm (11.81in.) **MC** Male connector with 300mm (11.81in.) cable **FC** Female connector with 300mm (11.81in.)cable **NA** Only for Closed Feed Entry

Assembly Builder

Right Feed Entry			Length	
F Front **S** Side **C** Closed	**OW**	Open wire 300mm (11.81in.)	**Max. nominal**	5m (16.4ft)
	MC	Male connector with 300mm (11.81in.) cable	**Increment**	50mm (1.97in.)
	FC	Female connector with 300mm (11.81in.)cable		
	NA	Only for Closed Feed Entry		

*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

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Lumen Output (lm/m)

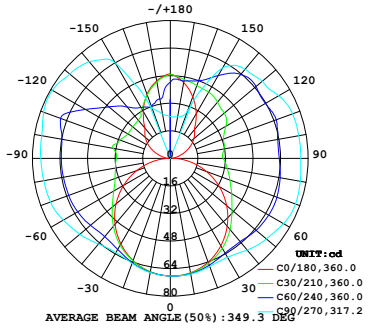
CCT	16W/M
R	78
G	228
B	50
W22K	234
W27K	253
W30K	260
W35K	265
W40K	273
W45K	280
RGBW22K	560
RGBW27K	605
RGBW30K	615
RGBW35K	627
RGBW40K	646
RGBW45K	670
Max. Run Length	5m

Techinical Details

Efficacy	38lm/W @RGBW30K 16W
CRI	Ra≥90
Beam Angle	360°
Average Life (L80B10)	>38,000 hours
Storage Temperature	-40°C~ 60°C
Operating Temperature	-40°C~ 45°C

Photometry

LN360-W7-24V-RGBW30K-160-FT-F-OW-F-OW
LINIO NEON 360° RGBW, All-direction Bend, RGBW30K, 16W/M

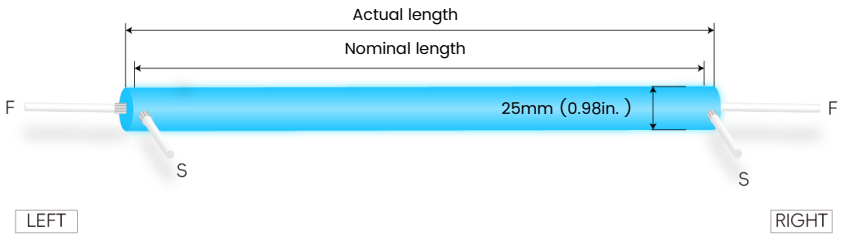


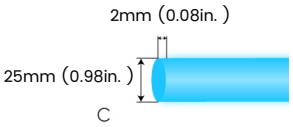
Zonal Lumen Summary

Zone	Lumen	% Fixture
0-30	54.2	8.8%
0-40	91.4	14.9%
0-60	182.8	29.7%
0-90	333.5	54.2%
0-180	615.0	100.0%

Feed Entry / End Cap Options

FT: Flush Translucent – IP67, factory-made only

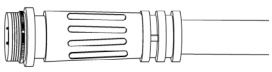




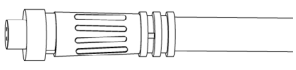
Connector Wire Options



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



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

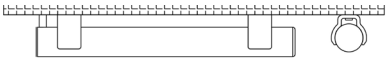


FC: Female connector, **Wet**
Standard 300mm (11.81in.), 20 AWG

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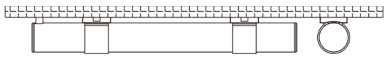
Mounting Options





NF360-SFC-O

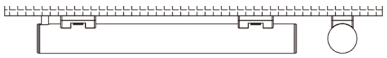
Name	Surface mount clear bracket-open clip
Material	PC





NF360-SFC-C

Name	Surface mount clear bracket-closed clip
Material	PC





NF360-SFC-L

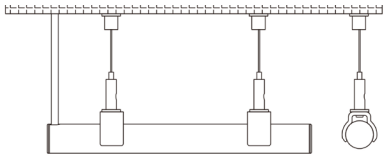
Name	Surface mount clear bracket-low profile clip
Material	PC





NF360-SFC-PC

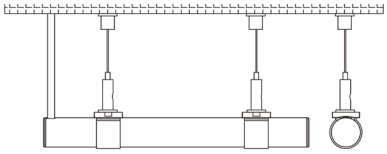
Name	Surface mount clear bracket-PC channel
Material	PC





NF360-SPC-O

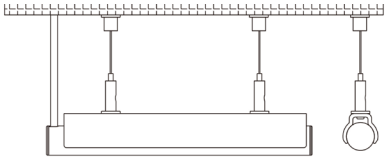
Name	Suspended mount clear bracket-open clip
Material	Stainless Steel, PC





NF360-SPC-C

Name	Suspended mount clear bracket-closed clip
Material	Stainless Steel, PC

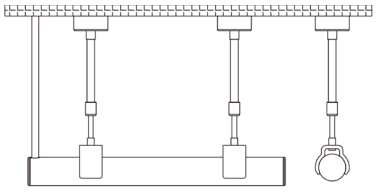




NF360-SPC-PC

Name	Suspended mount clear bracket-PC channel
Material	Stainless Steel, PC

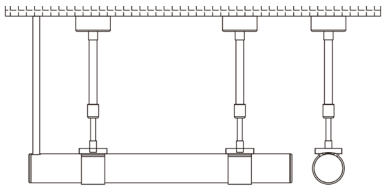
Mounting Options





NF360-TLC-O

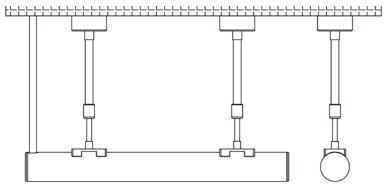
Name	Telescoping white bracket-open clip
Material	PC
Adjustable Length	500-1000mm(19.69-39.37in.)





NF360-TLC-C

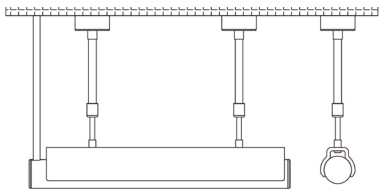
Name	Telescoping white bracket-closed clip
Material	PC
Adjustable Length	500-1000mm(19.69-39.37in.)





NF360-TLC-L

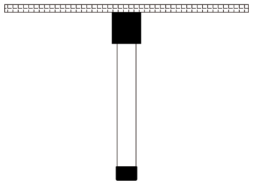
Name	Telescoping white bracket-low profile clip
Material	PC
Adjustable Length	500-1000mm(19.69-39.37in.)





NF360-TLC-PC

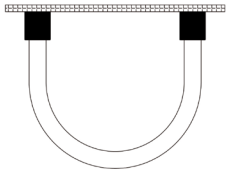
Name	Telescoping white bracket-PC channel
Material	PC
Adjustable Length	500-1000mm(19.69-39.37in.)





NF360-VB

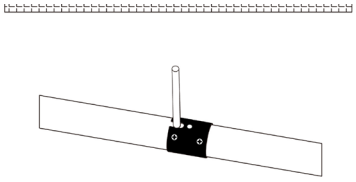
Name	Vertical metal flush surface mount bracket-black
Material	Aluminum





NF360-UB

Name	U-shaped metal flush mount bracket-black
Material	Aluminum





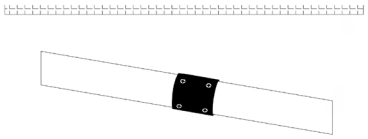
NF360-JNB-S

Name	Metal joiner bracket-black (side cable entry only)
Material	Aluminum

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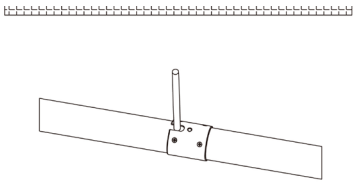
Mounting Options





NF360-JNB-C

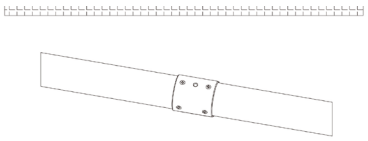
Name	Metal joiner bracket-black (closed end cap)
Material	Aluminum





NF360-JNC-S

Name	Joiner bracket-clear (side cable entry only)
Material	PC





NF360-JNC-C

Name	Joiner bracket-clear (closed end cap)
Material	PC

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

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Drivers

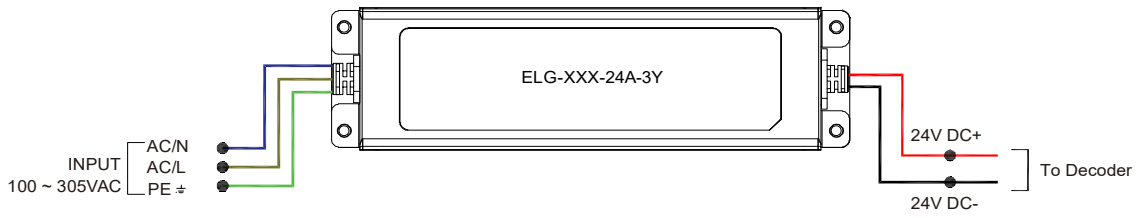
Non-dimmable

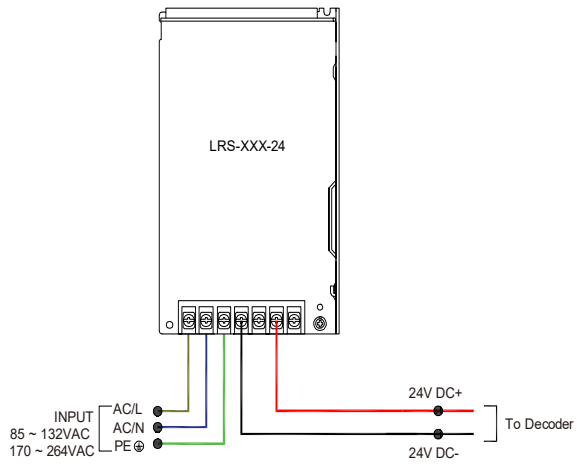
Code	Max Load	Input	Output	Environment	Size (L x W x H)
ELG-150-24A-3Y	150W	100-305VAC	24V	Dry/Damp/IP67	219 * 63 * 35.5 mm
LRS-150-24	150W	85-132VAC / 170-264VAC	24V	Dry	159 * 97 * 30 mm

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





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