

LINIO NEON 360° RGBW

All-direction Bending · RGBW

Features

- 360 degree emitting, with changeable RGBW colors
- IP65 rated, ideal for damp location and sheltered exterior
- 5 years warranty

Applications

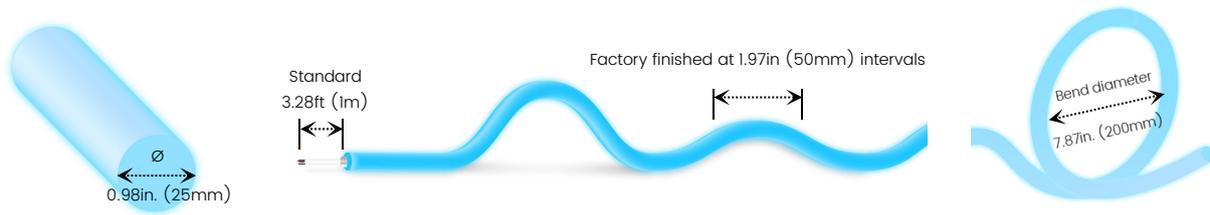
Libraries, coffee shops, offices, lobbies, malls, studios, etc.

Date _____ Fixture type _____

Project name _____ Project phase _____



Dimensions



Order Code

Assembly Builder

Model	Environment	Voltage	Temp./Color	Power	End Cap	Left Feed Entry
LN360	W5-Wet (IP65)	24-DC24V	RGBW22 -RGBW (W=2200K) RGBW27 -RGBW (W=2700K) RGBW30 -RGBW (W=3000K) RGBW35 -RGBW (W=3500K) RGBW40 -RGBW (W=4000K) RGBW45 -RGBW (W=4500K)	488-4.88W/ft	IJ Injected (IP65)	F Front OW Open wire 3.28ft (1m) S Side MC Male connector with 0.98ft (30cm) cable C Closed FC Female connector with 0.98ft (30cm) cable NA Only for Closed Feed Entry

*Injected end cap is factory-made only.

Assembly Builder

Mounting Order Code

Right Feed Entry			Length	
F Front	OW Open wire 3.28ft (1m)		Max nominal 16.4ft (5m)	
S Side	MC Male connector with 0.98ft (30cm) cable		Increment 1.97in. (50mm)	
C Closed	FC Female connector with 0.98ft (30cm) cable		*Custom length production, cutting not recommended.	
	NA Only for Closed Feed Entry			

Product Code

Please select on the Mounting Options page.

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

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Lumen Output (lm/ft)

Temp./Color	3.05W/ft
R	14
G	44
B	8
W22	45
W27	50
W30	50
W35	51
W40	51
W45	51
RGBW22	110
RGBW27	113
RGBW30	113
RGBW35	114
RGBW40	114
RGBW45	114
Max. Run for Class 2	15.7ft (4.8m)
Max. Run Supported Length	16.4ft (5m)

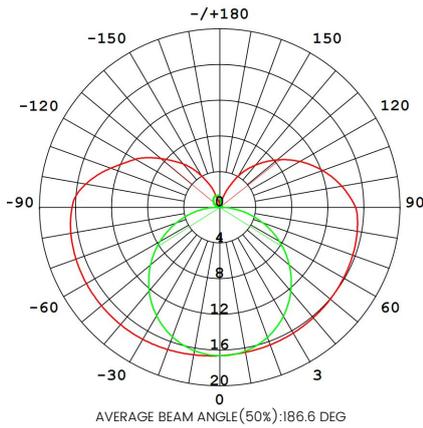
*Typically installations in USA and Canada comply with Class 2 requirements.

Technical Details

Efficacy	23.2lm/W @RGBW30 4.88W
CRI	Ra ≥ 90
Beam Angle	360°
LED MacAdam	3 steps
Lumen maintenance(L80B10)	> 38,000 hours
Storage Temperature	-40-140°F (-40°C- 60°C)
Operating Temperature	-40-113°F (-40°C- 45°C)

Photometry

LN360-W5-24-RGBW30-488-IJ-F-OW-F-OW
 LINIO NEON 360° RGBW, All-direction bend, RGBW (3000K), 4.88W/ft



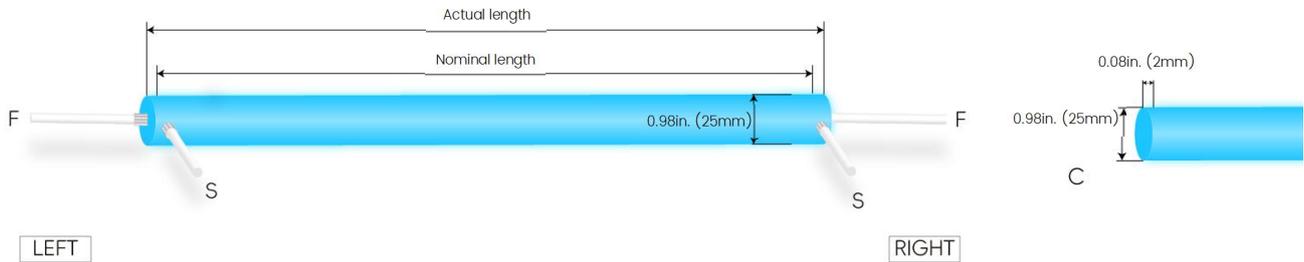
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	13.4	11.8%
0-40	22.8	20.1%
0-60	45.2	39.7%
0-90	79.2	69.5%
0-180	114	100%

UNIT: CD
 — C0/180, 258.4
 — C90/270, 114.8

Feed Entry / End Cap Options

IJ: Injected end cap – IP65, factory-made only



Connector Wire Options



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



MC: Male connector, **Wet**
 Standard 0.98ft (30cm), 20 AWG

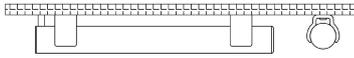


FC: Female connector, **Wet**
 Standard 0.98ft (30cm), 20 AWG

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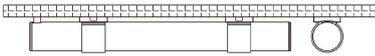
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Mounting Options



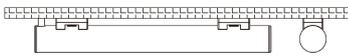
LN360-SFC-O

Name Surface mount clear bracket-open clip



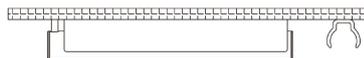
LN360-SFC-C

Name Surface mount clear bracket-closed clip



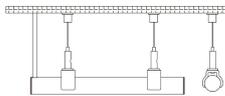
LN360-SFC-L

Name Surface mount clear bracket-low profile clip



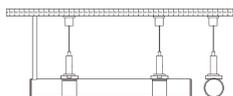
LN360-SFC-PC

Name Surface mount clear bracket-PC channel



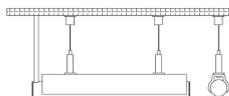
LN360-SPC-O

Name Suspended mount clear bracket-open clip



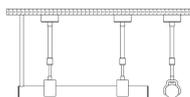
LN360-SPC-C

Name Suspended mount clear bracket-closed clip



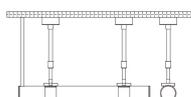
LN360-SPC-PC

Name Suspended mount clear bracket-PC channel



LN360-TLC-O

Name Telescoping clear bracket-open clip (Adjustable Length: 20-39")

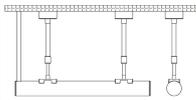


LN360-TLC-C

Name Telescoping clear bracket-closed clip (Adjustable Length: 20-39")

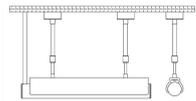
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LN360-TLC-L

Name Telescoping clear bracket-low profile clip (Adjustable Length: 20-39")



LN360-TLC-PC

Name Telescoping clear bracket-PC channel (Adjustable Length: 20-39")



LN360-VB

Name Vertical metal flush surface mount bracket-black



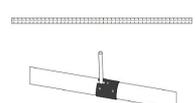
LN360-VSB

Name Vertical pendant suspended mount bracket-black



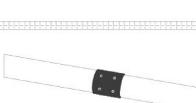
LN360-UB

Name U-shaped metal flush mount bracket-black



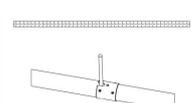
LN360-JNB-S

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



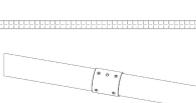
LN360-JNB-C

Name Metal joiner bracket-black (closed end cap)



LN360-JNC-S

Name Joiner bracket-clear (side cable entry only)



LN360-JNC-C

Name Joiner bracket-clear (closed end cap)

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Additional Accessories (Optional, purchase for extra)



MCW-5P-67

Male connector with 0.98ft (30cm) white cable, 5 pin, IP67, Wet, 20 AWG

FCW-5P-67

Female connector with 0.98ft (30cm) white cable, 5 pin, IP67, Wet, 20 AWG

MCB-5P-67

Male connector with 0.98ft (30cm) black cable, 5 pin, IP67, Wet, 20 AWG

FCB-5P-67

Female connector with 0.98ft (30cm) black cable, 5 pin, IP67, Wet, 20 AWG

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						7 x 2.4 x 0.9in. (17.8 x 6.1 x 2.4cm)
KV-24096-ASW	96W					Dry/Damp/Wet	9.1 x 2.8 x 1.7in. (23 x 7 x 4.3cm)

DMX-dimmable

Code	Max Load	Input	Output	Class 2	With Junction Box	Environment	Size (L x W x H)
KVX-24100-4C-A	100W	100-277VAC	24V	Yes	No	Dry/Damp/Wet	9.05 x 3.07 x 0.98in. (230 x 78x 25cm)
KVX-24150-4C-A	150W			No			10.9* x 3.07 x 0.98in. (277 x 78x 25cm)
KVX-24200-4C-A	200W			No			10.9* x 3.07 x 0.98in. (277 x 78x 25cm)
KVX-24300-4C-A	300W			No			11.85 x 3.07 x 0.98in. (301 x 78x 25cm)

DMX Decoders

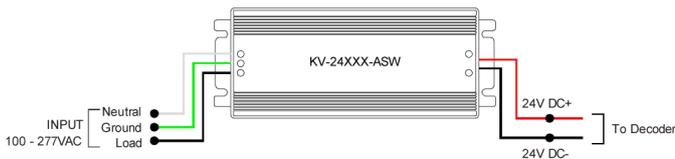
Code	Description
LT-904	4 channels output, up to 576W output power
LT-916	16 channels output, up to 1152W output power
LT-932	32 channels output, up to 1728W output power

Controllers

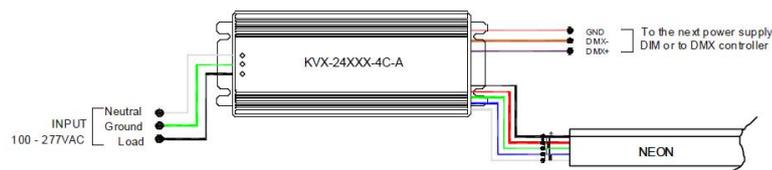
Code	Description
DINA-DR micro	DMX 60 channels, DMX Stand Alone controller with 10 scenes, USB connectivity for programming
SLESA-U9	DMX 256 channels, USB connection, standalone mode with 1 area and 20 scenes
STICK-GA2	DMX 512 channels, ready to use (pre-loaded with 8 scenes and 170 RGB fixtures)
STICK-CW4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

Wiring Diagram

Non-dimmable



DMX-dimmable



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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	1730 ft (527.3 m)	784 ft (238.9 m)	397 ft (121.0 m)	263 ft (80.2 m)	175 ft (53.3 m)	131 ft (39.9 m)	107 ft (32.6 m)
10W / 0.4A	865 ft (263.6 m)	392 ft (119.4 m)	199 ft (60.7 m)	132 ft (40.2 m)	88 ft (26.8 m)	66 ft (20.1 m)	54 ft (16.5 m)
15W / 0.6A	577 ft (175.9 m)	261 ft (79.6 m)	132 ft (40.2 m)	88 ft (26.8 m)	58 ft (17.7 m)	44 ft (13.4 m)	36 ft (11.0 m)
20W / 0.8A	433 ft (132.0 m)	196 ft (59.7 m)	99 ft (30.2 m)	66 ft (20.1 m)	44 ft (13.4 m)	33 ft (10.1 m)	27 ft (8.2 m)
25W / 1.0A	346 ft (105.5 m)	157 ft (47.9 m)	79 ft (24.1 m)	53 ft (16.2 m)	35 ft (10.7 m)	26 ft (7.9 m)	22 ft (6.7 m)
30W / 1.3A	289 ft (88.1 m)	131 ft (39.9 m)	66 ft (20.1 m)	44 ft (13.4 m)	29 ft (8.8 m)	22 ft (6.7 m)	18 ft (5.5 m)
35W / 1.5A	248 ft (75.6 m)	112 ft (34.1 m)	57 ft (17.4 m)	38 ft (11.6 m)	25 ft (7.6 m)	19 ft (5.8 m)	15 ft (4.6 m)
40W / 1.7A	217 ft (66.1 m)	98 ft (29.9 m)	50 ft (15.2 m)	33 ft (10.1 m)	22 ft (6.7 m)	16 ft (4.9 m)	13 ft (4.0 m)
45W / 1.9A	192 ft (58.5 m)	87 ft (26.5 m)	44 ft (13.4 m)	29 ft (8.8 m)	19 ft (5.8 m)	14 ft (4.3 m)	12 ft (3.7 m)
50W / 2.1A	173 ft (52.7 m)	78 ft (23.8 m)	40 ft (12.2 m)	26 ft (7.9 m)	18 ft (5.5 m)	13 ft (4.0 m)	11 ft (3.4 m)
55W / 2.3A	157 ft (47.9 m)	71 ft (21.6 m)	36 ft (11.0 m)	24 ft (7.3 m)	16 ft (4.9 m)	12 ft (3.7 m)	10 ft (3.0 m)
60W / 2.5A	144 ft (43.9 m)	65 ft (19.8 m)	33 ft (10.1 m)	22 ft (6.7 m)	15 ft (4.6 m)	11 ft (3.4 m)	9 ft (2.7 m)
65W / 2.7A	133 ft (40.5 m)	60 ft (18.3 m)	30 ft (9.1 m)	20 ft (6.1 m)	14 ft (4.3 m)	10 ft (3.0 m)	8 ft (2.4 m)
70W / 2.9A	124 ft (37.8 m)	56 ft (17.1 m)	28 ft (8.5 m)	19 ft (5.8 m)	13 ft (4.0 m)	10 ft (3.0 m)	8 ft (2.4 m)
75W / 3.1A	116 ft (35.4 m)	52 ft (15.9 m)	26 ft (7.9 m)	17 ft (5.2 m)	12 ft (3.7 m)	9 ft (2.7 m)	7 ft (2.1 m)
80W / 3.3A	109 ft (33.2 m)	49 ft (14.9 m)	25 ft (7.6 m)	16 ft (4.9 m)	11 ft (3.4 m)	8 ft (2.4 m)	7 ft (2.1 m)
85W / 3.5A	103 ft (31.4 m)	46 ft (14.0 m)	23 ft (7.0 m)	15 ft (4.6 m)	10 ft (3.0 m)	8 ft (2.4 m)	6 ft (1.8 m)
90W / 3.8A	97 ft (29.6 m)	44 ft (13.4 m)	22 ft (6.7 m)	15 ft (4.6 m)	10 ft (3.0 m)	7 ft (2.1 m)	6 ft (1.8 m)
96W / 4.0A	91 ft (27.7 m)	41 ft (12.5 m)	21 ft (6.4 m)	14 ft (4.3 m)	9 ft (2.7 m)	7 ft (2.1 m)	6 ft (1.8 m)