LINIO NEON 1220 SV RGB
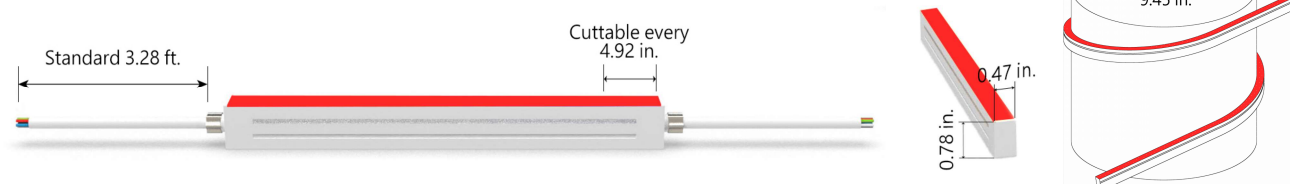## Outdoor · Horizontal Bending · Field Cuttable

Beamever

Features

• Field cuttable & joinable

• Low voltage 24V DC

• RGB allows for versatile lighting effects

• Max run length up to 42ft from single power feed

• IP67 rated, ideal for indoor and outdoor uses

• UV stable without yellowing or cracking over time

UL | IP67 | OUTDOOR | WET LOCATION | 24V DC | 5 Yr. WARRANTY

FIELD CUTTABLE | UV Stablized | Solvents-resistant | Saltwater Resistant | DIMMABLE | Life span > 30000H

Fixture type	
Project name	
Project phase	
Date	

Dimension & Bending

Standard 3.28 ft.

Cuttable every 4.92 in.

Bending Diameter 9.45 in.

0.47 in.

0.78 in.

Physical

Dimensions	0.47'' x 0.78'' (width x height)
Bend Direction	Horizontal bending
Bend Diameter	9.45'' (240mm)
Cutting Interval	4.92'' (125mm)
Field Cuttable	Yes
Housing Material	Dow Corning
Housing Technique	Co-extrusion
Body Color	White
Finish	Matt
Feed Entry	Front, side, bottom
Feed Length	Standard length 3.28'
End Cap	Injected (Factory made only)
Mounting	Clips or channel (rigid or bendable)
Storage Temperature	-40℃(-40℉) to 60℃ (140℉)
Ambient Temperature	-40℃(-40℉) to 60℃ (140℉)@3.35W
Max. Production Length	98.43ft (30m)

Performance & Electrical

Voltage	24VDC (23.5Vmin, 24.5Vmax)
Beam Angle	120°
MacAdam	3 steps
Efficacy (lm/W)	18lm/W @RGB 3.35W
CRI	N/A
Lumen Maintenance	> 30,000 hours
IP Rating	IP67
Resistance	UV, solvent, saltwater, flame
Dimming	DMX, SPI
Control Protocol	N/A
Warranty	5 years

Certification & Safety

Certifications	UL
Environment	Dry, damp or wet locations

Lumen/ft	3.35W
■ R	13
■ G	43
■ B	7
■ RGB	61
Max. Run Length(ft)	42.64

❙ | Designer's Custom Playground

LINIO NEON 1220 SV RGB
Outdoor · Horizontal Bending · Field Cuttable

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Order Code

Series	Temp./Color	Power	Feed Entry	Connector Wire	End Cap	Length (ft)
LN1220SV	RGB	335=3.35W	**FF**=Front + Front **BB**=Bottom + Bottom **LSLS**=Left Side + Left Side **RSRS**=Right Side + Right Side **FC**=Front + Closed **FB**=Front + Bottom **FLS**=Front + Left Side **FRS**=Front + Right Side **BC**=Bottom + Closed **BLS**=Bottom + Left Side **BRS**=Bottom + Right side **LSC**=Left side + Closed **RSC**=Right side + Closed **LSRS**=Left side + Right side	**OW**=Open wire 3.28' **MFC**=Male & female connector 0.98'	**IJ**=Injected end cap (IP67) **SEC**=Silicone end cap (IP67) **MEC**=Mechanical end cap (IP67) * End caps are added by default * MEC will reduce max. run length, consult Beamever for specific data	Min. - 4.92'' Max. - 98.4' Cut Inc. - 4.92''

Example: LN1220SV-RGB-457-FF-OW-IJ-11'   * Customizable—Contact Beamever representatives

Feed Entry Options

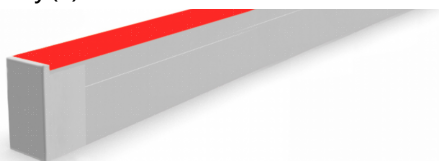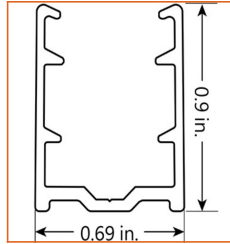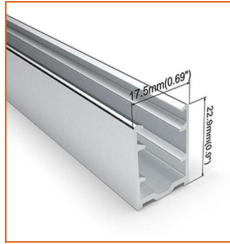### Front feed entry (F)

Left side feed entry (LS)

Right side feed entry (RS)

Bottom feed entry (B)

Closed feed entry (C)

Mounting Options

* Standard length is 3.28'/pcs.

Name	Straight aluminum channel
Code	LN1220-SC
Material	Aluminum
Mounting style	Surface mounted
Length	3.28' (1m)
Width	0.69" (17.5mm)
Height	0.9" (22.9mm)
Internal width	/
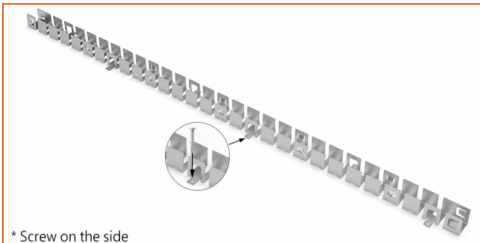
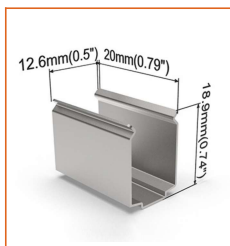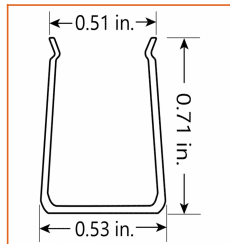

* Screw on the side
* Standard length is 1.64'/pcs.

Name	Bendable channel (Side screw)
Code	LN1220-BC-S
Material	Stainless Steel
Mounting style	Surface mounted
Length	1.64' (0.5m)
Width	1.04'' (26.4mm)
Height	0.71'' (18mm)
Internal Width	/
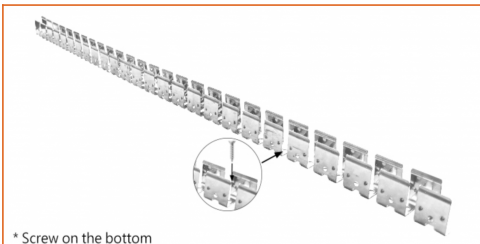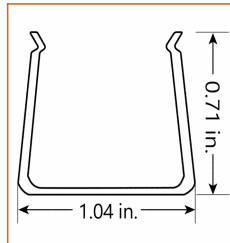
* Screw on the bottom
* Standard length is 3.28'/pcs.
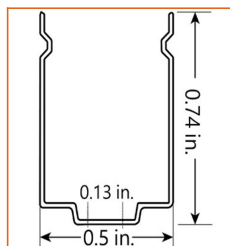
Name	Bendable channel (Bottom screw)
Code	LN1220-BC-B
Material	Stainless Steel
Mounting style	Surface mounted
Length	3.28' (1m)
Width	0.53'' (13.5mm)
Height	0.71'' (18mm)
Internal Width	0.51'' (12.9mm)

* Recommend use 1 mounting clip for 1' of neon.

Name	Mounting clip
Code	LN1220-CL
Material	Stainless Steel
Mounting style	Surface mounted
Length	0.79" (20mm)
Width	0.5" (12.6mm)
Height	0.74" (18.9mm)
Internal Width	/

* Standard length is 3.28'/pcs.

Name	Recessed straight channel
Code	LN1220-RSC
Material	Aluminum
Mounting style	Recessed mounted
Length	3.28' (1m)
Width	0.69''(17.5mm)
Height	0.9''(22.9mm)
Internal width	/

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Driver Options

Code	Max Load	Input	Output	Dimmable	Class 2	Environment	Size (L*W*H)
Non Dimmable							
KV-24030-ASW	30W	100-277VAC	24V	No	Yes	Dry/damp	6.10*2.12*0.78 inch
KV-24060-ASW	60W	100-277VAC	24V	No	Yes	Dry/damp	7.00*2.40*0.94 inch
KV-24096-ASW	96W	100-277VAC	24V	No	Yes	Dry/damp/wet	9.05*2.75*1.69 inch
KV-24150-ASW	150W	100-277VAC	24V	No	No	Dry/damp/wet	10.07*3.07*1.85 inch
KV-24200-ASW	200W	100-277VAC	24V	No	No	Dry/damp/wet	10.07*3.07*1.85 inch
KV-24300-ASW	300W	100-277VAC	24V	No	No	Dry/damp/wet	10.86*3.07*1.85 inch
DMX512 Dimmable							
KVX-24096-3C-A	96W	100-277VAC	24V	Yes	Yes	Dry/damp/wet	9.05*3.07*0.98 inch
KVX-24150-3C-A	150W	100-277VAC	24V	Yes	No	Dry/damp/wet	10.9*3.07*0.98 inch
KVX-24200-3C-A	200W	100-277VAC	24V	Yes	No	Dry/damp/wet	10.9*3.07*0.98 inch
KVX-24300-3C-A	300W	100-277VAC	24V	Yes	No	Dry/damp/wet	11.85*3.07*0.98 inch

* Please refer to the spec sheet of each power supply for more detailed information

DMX Decoder Options

Code	Description
LT-903	3 channels output, up to 576W output power
LT-912	12 channels output, up to 1152W output power
LT-924	24 channels output, up to 1728W output power

* Please refer to the spec sheet of each decoder for more detailed information

Controller 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, stand alone 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

* Please refer to the spec sheet of each controller for more detailed information

Accessories Options (Optional, purchase for extra)

Name	Silicone closed end cap
Code	LN1220-SEC-C

Closed silicone end cap
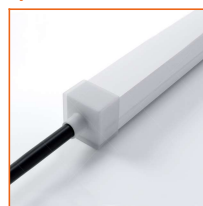
Name	Silicone front end cap
Code	LN1220-SEC-F-4P

Silicone end cap front entry with 11.81'' black cable, 4 Pin

Name	Silicone side end cap
Code	LN1220-SEC-S-4P

Silicone end cap side entry with 11.81'' black cable, 4 Pin

Name	Silicone bottom end cap
Code	LN1220-SEC-B-4P

Silicone end cap bottom entry with 11.81'' black cable, 4 Pin

Name	Mechanical end cap (G1)
Code	LN1220-MEC1-C
Mechanical closed end cap with screws (G1)	
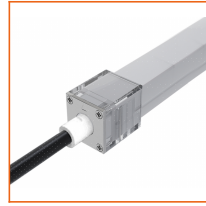
Name	Mechanical end cap (G1)
Code	LN1220-MEC1-F-4P
Mechanical end cap with screws (G1), front entry with 11.81'' black cable, 4 pin	

Name	Mechanical end cap (G1)
Code	LN1220-MEC1-LS-4P
Mechanical end cap with screws (G1), left side entry with 11.81'' black cable, 4 pin	

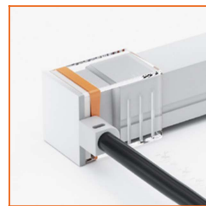|	
Name	Mechanical end cap (G1)
Code	LN1220-MEC1-RS-4P
Mechanical end cap with screws (G1), right side entry with 11.81'' black cable, 4 pin	

Name	Mechanical end cap (G1)
Code	LN1220-MEC1-B-4P
Mechanical end cap with screws (G1), bottom entry with 11.81'' black cable, 4 pin	

Name	Mechanical end cap (G3)
Code	LN1220-MEC3-C
Screw-free mechanical closed end cap (G3)	

Name	Mechanical end cap (G3)
Code	LN1220-MEC3-F-4P
Screw-free mechanical end cap (G3), front entry with 11.81'' black cable, 4 pin	

Name	Mechanical end cap (G3)
Code	LN1220-MEC3-LS-4P
Screw-free mechanical end cap (G3), left side entry with 11.81'' black cable, 4 pin	

Name	Mechanical end cap (G3)
Code	LN1220-MEC3-RS-4P
Screw-free mechanical end cap (G3), right side entry with 11.81'' black cable, 4 pin	

Name	Mechanical end cap (G3)
Code	LN1220-MEC3-B-4P
Screw-free mechanical end cap (G3), bottom entry with 11.81'' black cable, 4 pin	

Name	Male and female connectors
Code	MFC-4P-67
Male and female connectors with 11.81'' white cable, 4 pin	

Name	Extension connectors
Code	ETC-4P-67-1M
Extension Male and female connectors with 3.28ft white cable, 4 pin	

Name	Extension connectors
Code	ETC-4P-67-5M
Extension Male and female connectors with 16.4ft white cable, 4 pin	

Name	Silicone glue
Code	SG
Silicone glue	

Name	Suspension cord
Code	LN1220-SPC
Use with the channel	

Wiring Diagram

Nicolaudie DMX Control System

DMX Driver System