

# LINIO NEON 1617 SV

Outdoor · Horizontal Bending · Long run

# Beamever

## Features

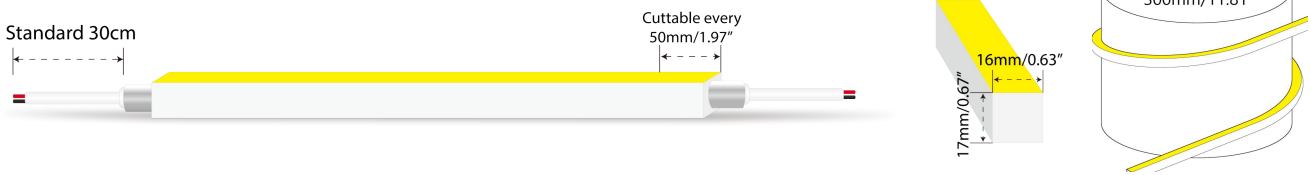
- Factory assembly
- Low voltage 24V DC
- All dimming protocols dimmable
- Max run length up to 30m from single power feed
- IP67 rated, ideal for indoor and outdoor use
- UV stable without yellowing or cracking over time



Fixture type	
Project name	
Project phase	
Date	



## Dimension & Bending



## Physical

Dimensions	16mm x 17mm (width x height)
Bend Direction	Horizontal bending
Bend Diameter	300mm
Cutting Interval	50mm
Field Cuttable	No
Housing Material	Dow Corning
Housing Technique	Co-extrusion
Body Color	White
Finish	Matte
Feed Entry	Front, side, bottom
Feed Length	Standard length 30cm
End Cap	Injected/silicone/mechanical
Mounting	Clips or channels (rigid or bendable)
Storage Temperature	-25°C~60°C (-13°F~140°F)
Ambient Temperature	T <sub>a</sub> min=-25°C/-13°F, T <sub>a</sub> max(See below)
Max. Production Length	30m

## Performance & Electrical

Voltage	24VDC (23.5Vmin, 24.5Vmax)
Beam Angle	110°
MacAdam	2 steps
Efficacy (lm/W)	42.2lm/W @4000K 10W
CRI	>90
Lumen Maintenance	> 54,000 hours
IP Rating	IP67
Resistance	UV, solvent, saltwater, flame
Dimming	Triac, ELV, PWM, 0-10V, DMX, SPI
Warranty	5 years

## Certification & Safety

Certifications	UL, CE, REACH, RoHS, CB
Environment	Dry, damp or wet locations

Lumen/M	4.8W	9.6W	14.4W
■ 2200K	250	474	730
■ 2700K	274	512	767
■ 3000K	294	537	824
■ 3500K	305	548	842
■ 4000K	294	548	824
■ 5300K	274	537	786
Max. Run Length (M)	30	20	15
Ambient Temperature (T <sub>a</sub> max)	55°C/131°F	45°C/113°F	45°C/113°F

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## Order Code

Series	Temp./Color	Power	Feed Entry	Connector Wire	End Cap	Length (mm)
LN1617SV	22=2200K 27=2700K 30=3000K 35=3500K 40=4000K 53=5300K	048=4.8W 096=9.6W 144=14.4W	FF=Front + Front BB=Bottom + Bottom SS=Side + Side FC=Front + Closed FB=Front + Bottom BF=Bottom+Front 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	OW=Open wire 30cm MFCW=Male & female connector with 30cm white cable MFCB=Male & female connector with 30cm black cable	IJ=Injected end cap (IP67) * Factory made only SEC=Silicone end cap (IP67) MEC=Mechanical end cap (IP67) * End caps are added by default	Min. - 50mm Max. run - 30000mm@4.8W 20000mm@9.6W 15000mm@14.4W Cut Inc. - 50mm

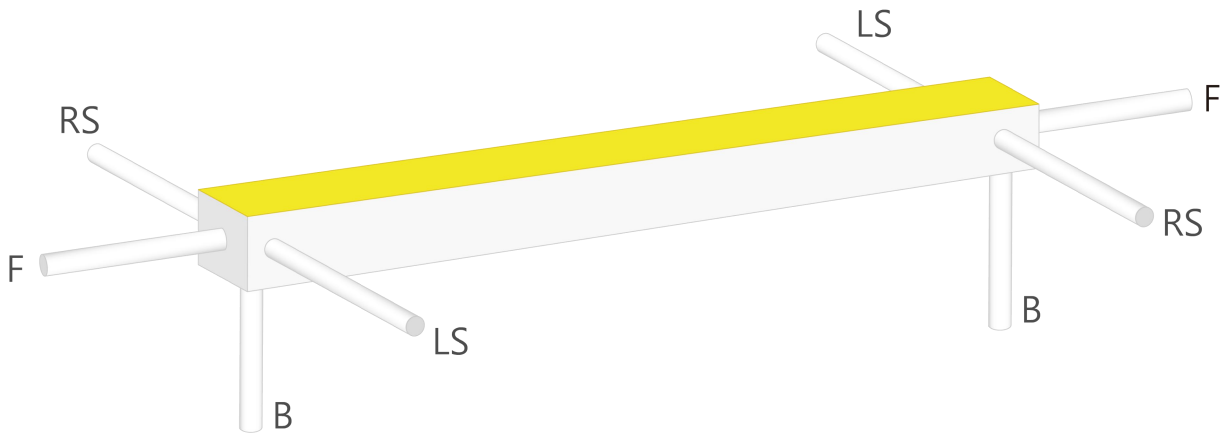
Example: LN1617SV-30-048-FF-OW-IJ-01000

\* Customizable—Contact Beamever representatives

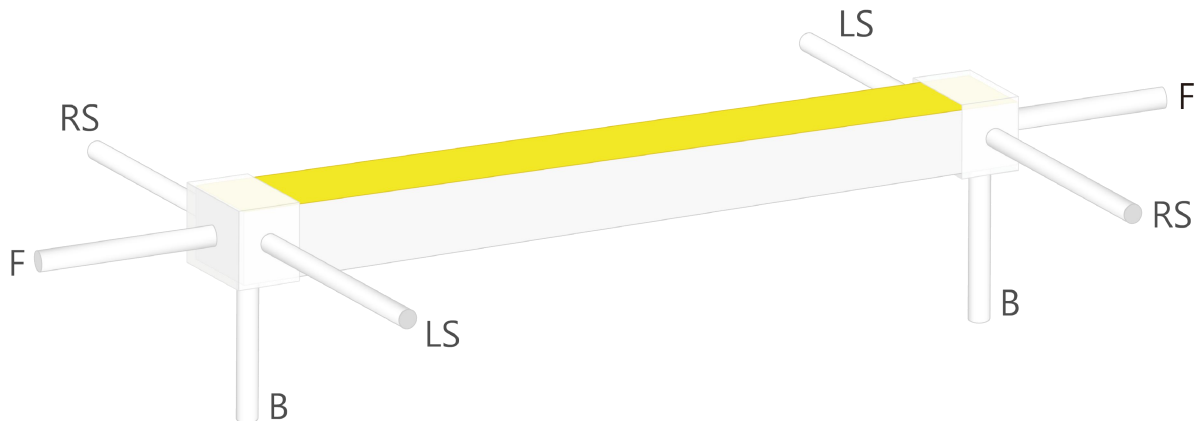
\* Do not install in an environment that is permanently flooded with water or high in humidity, as damage to the neon will occur.

## Feed Entry Options

For injected end cap (IP67), factory made only



For silicone end cap / mechanical end cap (IP67)



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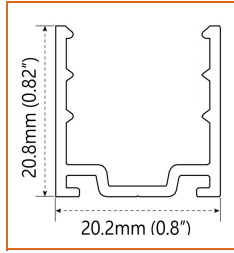
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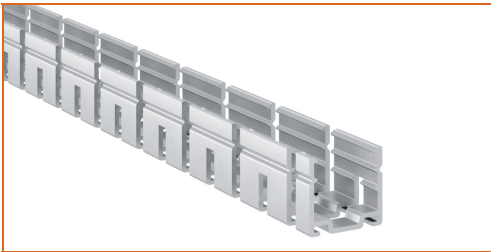
## Mounting Options



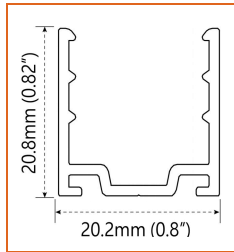
\* Standard length is 1m/pcs.



Name	Straight surface channel
Code	LN1617-SC
Material	Aluminum
Mounting style	Surface mounted
Length	1m
Width	20.2mm
Height	20.8mm
Internal width	/



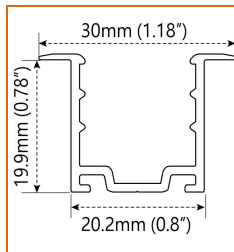
\* Standard length is 1m/pcs.



Name	Bendable surface channel
Code	LN1617-BC
Material	Aluminum
Mounting style	Surface mounted
Length	1m
Width	20.2mm
Height	20.8mm
Internal Width	/



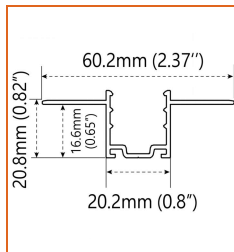
\* Standard length is 1m/pcs.



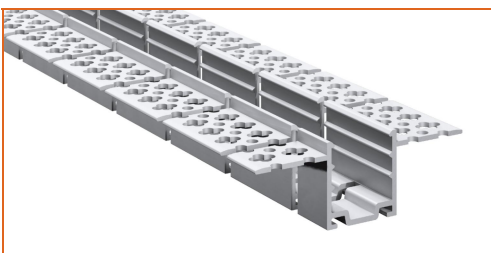
Name	Straight recessed channel
Code	LN1617-RSC
Material	Aluminum
Mounting style	Recessed mounted
Length	1m
Width	30mm
Height	19.9mm
Internal width	/



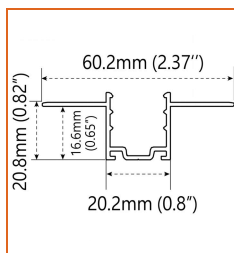
\* Standard length is 1m/pcs.



Name	Mud-in channel
Code	LN1617-MC
Material	Aluminum
Mounting style	Mud-in mounted
Length	1m
Width	60.2mm
Height	16.6mm
Internal Width	/



\* Standard length is 1m/pcs.

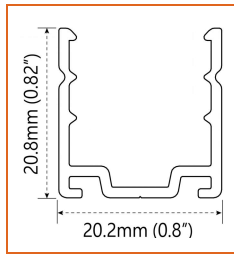
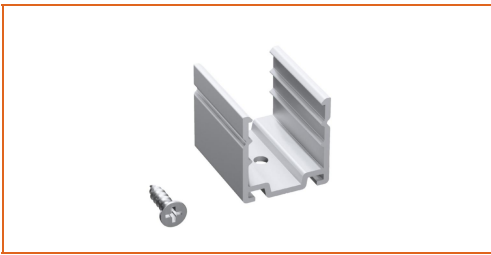


Name	Bendable mud-in channel
Code	LN1617-BMC
Material	Aluminum
Mounting style	Mud-in mounted
Length	1m
Width	60.2mm
Height	16.6mm
Internal Width	/

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\* Recommend use 4 mounting clip for 1m of neon.



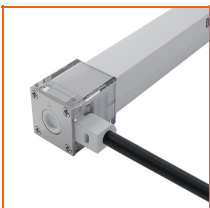

Name	Mounting clip
Code	LN1617-CL
Material	Aluminum
Mounting style	Surface mounted
Length	25mm
Width	20.2mm
Height	20.8mm
Internal Width	/

## Driver Options

Code	Max Load	Input	Output	Dimming	Environment	Size
XLG-150-24-A	150W	100-305VAC	24VDC	Non-Dim	Dry/Damp/IP67	180x63x35.5mm (L x W x H)
ELG-150-24B-3Y	150W	100-305VAC	24VDC	3 in 1 dimming	Dry/Damp/IP67	219x63x35.5mm (LxWxH)
ELG-150-24DA-3Y	150W	100-305VAC	24VDC	DALI control technology	Dry/Damp/IP67	219x63x35.5mm (L x W x H)
LPV-150-24	150W	180-305VAC	24VDC	Non-Dim	Dry/Damp/IP67	148x40x30mm (L x W x H)
LRS-150-24	150W	85-132V / 170-264VAC	24VDC	Non-Dim	Dry	99x97x30mm (L x W x H)
PWM-120-24	120W	90 ~ 305V / 127 ~ 431VAC	24VDC	3 in 1 dimming	Dry/Damp/IP67	191x63x37.5mm (LxWxH)

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

## Accessories Options (Optional, purchase for extra)

	<p>Name Silicone closed end cap</p> <p>Code LN1617-SEC-C</p> <hr/> <p>Closed silicone end cap</p>		<p>Name Silicone front end cap</p> <p>Code LN1617-SEC-F-2P</p> <hr/> <p>Silicone end cap front entry with 30cm black cable, 2 pin</p>
	<p>Name Silicone side end cap</p> <p>Code LN1617-SEC-S-2P</p> <hr/> <p>Silicone end cap side entry with 30cm black cable, 2 pin</p>		<p>Name Silicone bottom end cap</p> <p>Code LN1617-SEC-B-2P</p> <hr/> <p>Silicone end cap bottom entry with 30cm black cable, 2 pin</p>
	<p>Name Mechanical end cap</p> <p>Code LN1617-MEC-C</p> <hr/> <p>Mechanical closed end cap with screws</p>		<p>Name Mechanical end cap</p> <p>Code LN1617-MEC-F-2P</p> <hr/> <p>Mechanical end cap with screws, front entry with 30cm black cable, 2 pin</p>
	<p>Name Mechanical end cap</p> <p>Code LN1617-MEC-LS-2P</p> <hr/> <p>Mechanical end cap with screws, left side entry with 30cm black cable, 2 pin</p>		<p>Name Mechanical end cap</p> <p>Code LN1617-MEC-RS-2P</p> <hr/> <p>Mechanical end cap with screws, right side entry with 30cm black cable, 2 pin</p>

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Name Mechanical end cap  
Code LN1617-MEC-B-2P  
Mechanical end cap with screws, bottom entry with 30cm black cable, 2 pin



Name Jumper connector  
Code LN1617-JC-2P-67  
Jumper connector with 7cm white cable, 2 pin, IP67



Name Male and female connectors  
Code MFC-2P-67-W  
Male and female connectors with 30cm white cable, 2 pin



Name Male and female connectors  
Code MFC-2P-67-B  
Male and female connectors with 30cm black cable, 2 pin



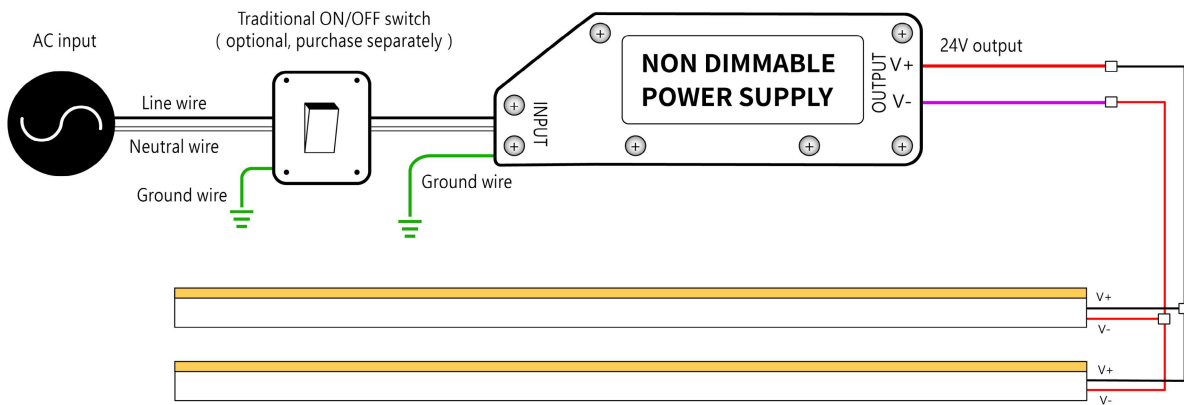
Name Extension connectors  
Code ETC-2P-67-1M  
Extension Male and female connectors with 1m white cable, 2 pin



Name Extension connectors  
Code ETC-2P-67-5M  
Extension Male and female connectors with 5m white cable, 2 pin

## Wiring Diagram

### Non Dimmable



### Dimmable

