LINIO NEON 1617 SV TW

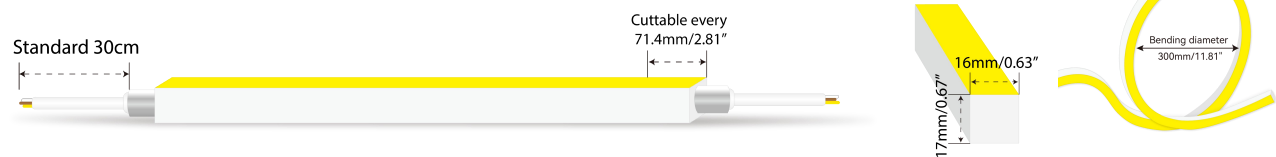### Outdoor · Tunable White · Horizontal Bending

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Features

• Factory assembly

• Low voltage 24V DC

• Tunable white, CCT changing from 2700K to 5300K

• IP67 rated, ideal for indoor and outdoor uses

• UV stable without yellowing or cracking over time

• 5 years warranty

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

FIELD CUTTABLE | FIELD JOINABLE | CRI 90+ | UV Stablized | DIMMABLE

Fixture type	
Project name	
Project phase	
Date	

Dimension & Bending

Standard 30cm

Cuttable every 71.4mm/2.81"

16mm/0.63"

17mm/0.67"

Bending diameter 300mm/11.81"

Physical

Dimensions	16mm x 17mm (width x height)
Bend Direction	Horizontal bending
Bend Diameter	300mm
Cutting Interval	71.4mm
Field Cuttable	Yes
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	-25~60℃ (-13~140°F)
Ambient Temperature	-25~45℃ (-13~113°F)
Max. Production Length	30m

Performance & Electrical

Voltage	24VDC (23.5Vmin, 24.5Vmax)
Beam Angle	110°
MacAdam	2 steps
Efficacy (lm/W)	60.1lm/W @2700K+5300K
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	13W
2700K	394
5300K	396
2700K+5300K	781
Max. Run Length (m)	15

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Order Code

| Series	Temp./Color	Power	Feed Entry	Connector Wire	End Cap	Length (mm)
LN1617SV	2753=2700K+5300K	013=13W	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 * Only for injected end cap MFCB=Male & female connector with 30cm black cable * For silicone/mechanical end cap	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. - 71.4mm Max. run - 15000mm Cut Inc. - 71.4mm

Example: LN1617SV-2753-013-FF-OW-IJ-01000   * Customizable—Contact Beamever representatives
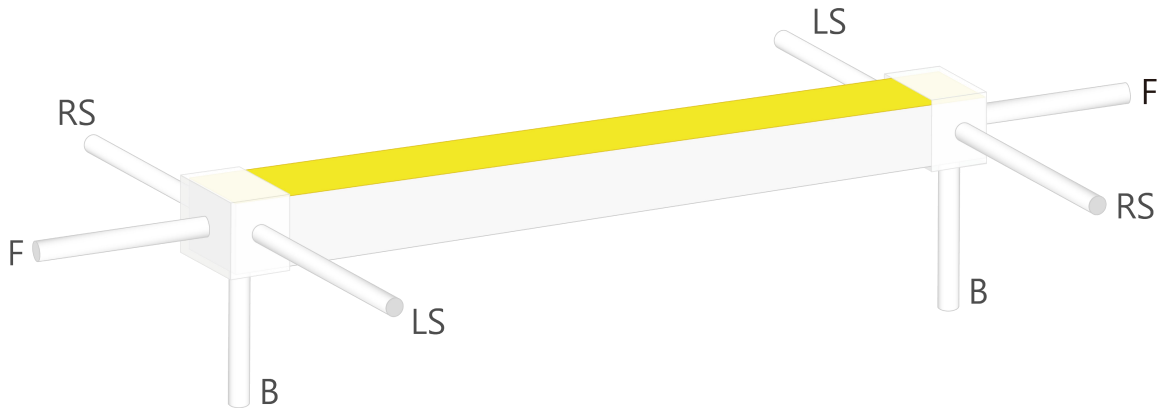
* Do not install in an environment that is permanently flooded with water or high in humidity, as damage to the neon will occur.

Feed Entry Options

For injected end cap (IP67), factory made only
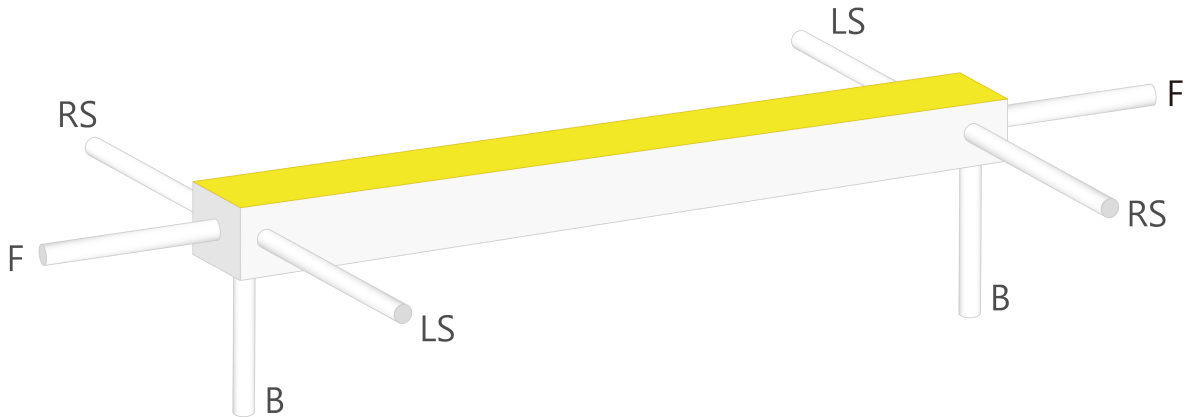
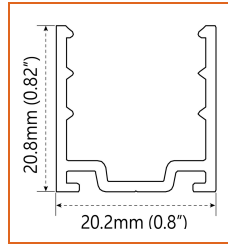**For silicone end cap / mechanical end cap (IP67)**

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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	/
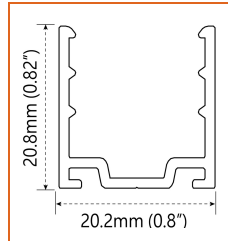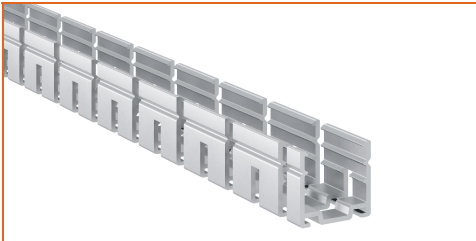
* Standard length is 1m/pcs.

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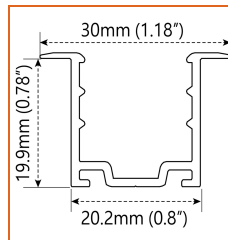
* Standard length is 1m/pcs.

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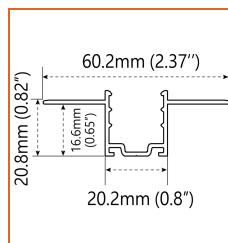
* Standard length is 1m/pcs.

Name	Mud-in channel
Code	LN1617-MC
Material	Aluminum
Mounting style	Mud-in mounted
Length	1m
Width	60.2mm
Height	16.6mm
Internal Width	/
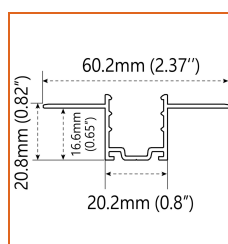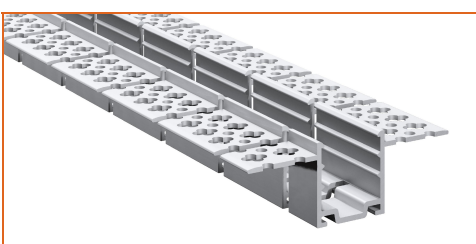
* Standard length is 1m/pcs.

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

20.8mm (0.82") 20.2mm (0.8")
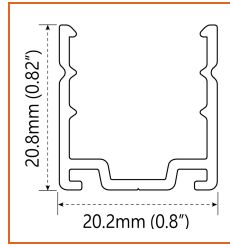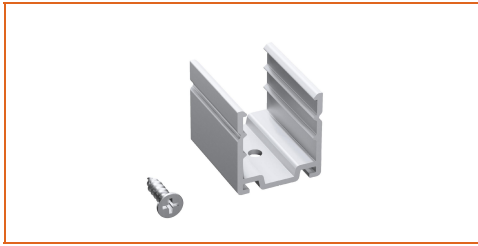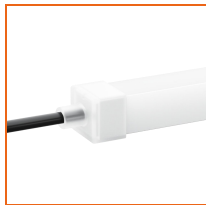
* Recommend use 4 mounting clip for 1m of neon.

Driver Options

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

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)
LM-100-24-U2A2	100W	120-277VAC	24VDC	0-10V (1-10V/10V PWM/RX, Push DIM/CCT	Dry	352x43x30mm (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)

DMX Decoders & Controllers Options

Type	Code	Description	Environment	Size
DMX Decoders	LT-903	3 channels output, Max. 8A current per channel, up to 576W output power	Indoor	122x110×3mm (L x W x H)
Controllers	M2+M3-3A	3 channels output, Max. 3A current per channel, up to 216W output power	Indoor	135×30×20mm (L x W x H)
Controllers	GA2	512 DMX channels, 4 touch sensitive buttons (on/off, mode, previous, next)	Indoor	87x110x10mm (L x W x H)
Controllers	CW4	1024 DMX channels, 6 SECne buttons and a color wheel, ideal for hotels, homes and public environments	Indoor	145x107x10mm (L x W x H)

Accessories Options (Optional, purchase for extra)

Name	Silicone closed end cap
Code	LN1617-SEC-C

Closed silicone end cap

Name	Silicone front end cap
Code	LN1617-SEC-F-3P

Silicone end cap front entry with 30cm black cable, 3 pin

Name	Silicone side end cap
Code	LN1617-SEC-S-3P

Silicone end cap side entry with 30cm black cable, 3 pin

Name	Silicone bottom end cap
Code	LN1617-SEC-B-3P

Silicone end cap bottom entry with 30cm black cable, 3 pin

Name	Mechanical end cap
Code	LN1617-MEC-C

Mechanical closed end cap with screws

Name	Mechanical end cap
Code	LN1617-MEC-F-3P

Mechanical end cap with screws, front entry with 30cm black cable, 3 pin

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Name   Mechanical end cap

Code   LN1617-MEC-LS-3P

Mechanical end cap with screws, left side entry with 30cm black cable, 3 pin

Name   Mechanical end cap

Code   LN1617-MEC-RS-3P

Mechanical end cap with screws, right side entry with 30cm black cable, 3 pin

Name   Mechanical end cap

Code   LN1617-MEC-B-3P

Mechanical end cap with screws, bottom entry with 30cm black cable, 3 pin

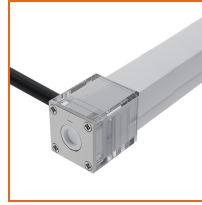Name   Jumper connector

Code   LN1617-JC-3P-67

Jumper connector with 7cm white cable, 3 pin, IP67

Name   Male and female connectors

Code   MFCB-3P-67

Male and female connectors with 30cm black cable, 3 pin

Name   Male and female connectors

Code   MFCW-3P-67

Male and female connectors with 30cm white cable, 3 pin

Name   Extension connectors

Code   ETCW-3P-67-1M

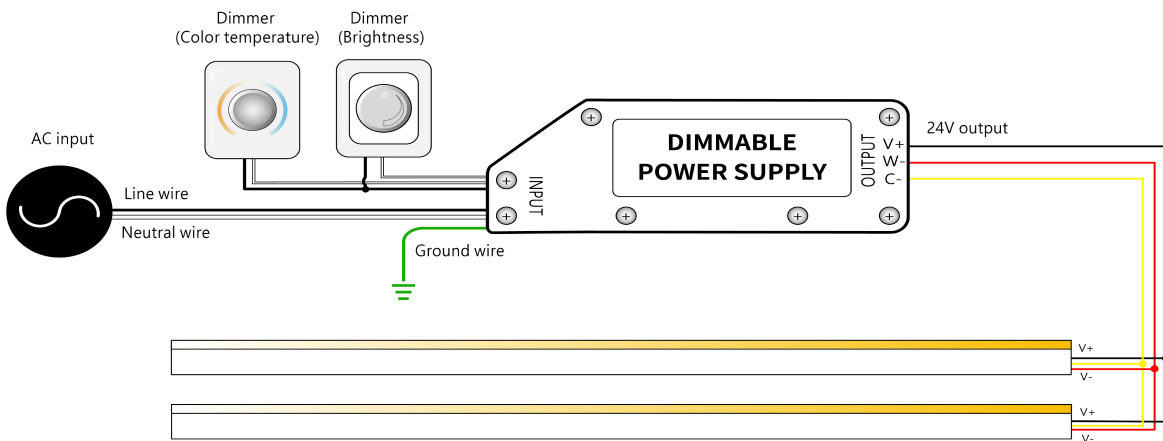Extension male and female connectors with 1m white cable, 3 pin

Name   Extension connectors

Code   ETCW-3P-67-5M

Extension male and female connectors with 5m white cable, 3 pin

Wiring Diagram

Dimmable

Dimmer (Color temperature)

Dimmer (Brightness)

AC input

Line wire

Neutral wire

Ground wire

INPUT

DIMMABLE POWER SUPPLY

OUTPUT

V+
W-
C-

24V output

V+

V-

V+

V-

* Dimmers need to be purchased separately.