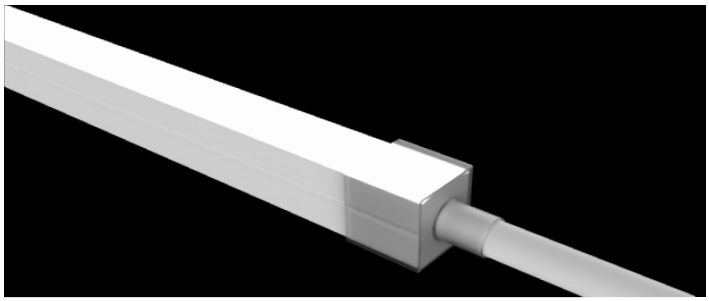
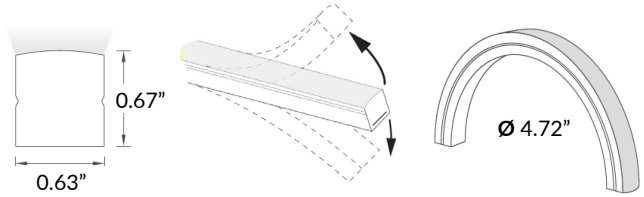
LLI ARCHITECTURAL LIGHTING

PROJECT	SPECIFIER
SKU	
QUANTITY	DATE

STATIC WHITE LED NEON - 24V

Square Profile / Top Bending / Silicone (ST63)





3 YEAR LIMITED WARRANTY | c UL us LISTED | IK08 | UV RESISTANT | SALTWATER RESISTANT | SOLVENT RESISTANT | FLAME RESISTANT

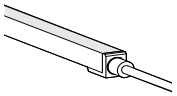
TECHNICAL INFORMATION

NOTE: All data has +/- 5% tolerance.

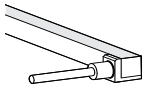
WATTAGE	5.3W per foot	
IP RATING	IP67 - wet locations. Protected against temporary submersion, limited protection against harsh environments.	
IK RATING	IK08	
BEAM ANGLE	113°	
HOUSING MATERIAL	Silicone, UV resistant per ISO 4892-3	
OUTPUT	CRI 80+	CRI 90+
	2700K - 228 lm/ft 3000K - 253 lm/ft 3500K - 259 lm/ft 4200K - 263 lm/ft 5200K - 257 lm/ft	2700K - 223 lm/ft 3000K - 228 lm/ft 3500K - 233 lm/ft 4200K - 237 lm/ft 5200K - 232 lm/ft
INPUT VOLTAGE	24VDC	
SEGMENT LENGTH	Every 2.46”, not field-cuttable	
MAXIMUM RUN	32 feet	
DIMENSIONS	0.63” W x 0.67” H	
MINIMUM BEND	4.72” diameter	
INSTALLATION TEMP.	32°F to 140°F (do not install when temperatures are below freezing)	
OPERATING TEMP.	-40°F to 140°F	
WARRANTY	3 year limited	
POWER SUPPLY	Compatible with all 24VDC power supplies – see page 4	

FEED TYPES

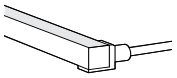
Product has 48in hard wire end feed unless otherwise specified. Other options subject to availability - contact us. Power Feed Caps and End Caps illuminate continuously to the end.



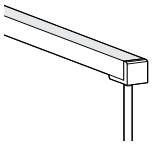
End Feed - **default** (EF)



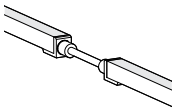
Side Left Feed (SL)



Side Right Feed (SR)



Rear Feed (RF)



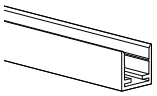
Jumper Feed Available for all feed types. 8in minimum length.

MOUNTING

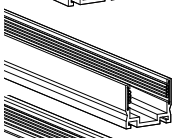
See page 3 for details. 2 clips recommended per 12in of LED Neon. Sold separately.

Standard Mounting Clip LLI-NS63-MCL-1.5IN

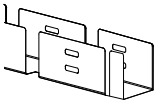
Silicone Grip Mounting Clip LLI-NS63-MCL-SG-1.5IN



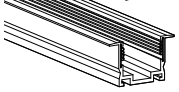
Standard Mounting Channel LLI-NS63-EXT-39IN



Silicone Grip Mounting Channel LLI-NS63-EXT-SG-39IN



Flexible Mounting Channel LLI-NS63-EXT-F-20IN



Recessed Silicone Grip Mounting Channel LLI-NS63-EXT-RSG-39IN

ORDERING GUIDE

← PRODUCT CODE

SERIES		IP RATING		TYPE		COLOR		VOLTAGE		CRI		LENGTH
LLI-N5.3W	-	67	-	ST63	-		-	24V	-		-	
						27K 30K 35K 42K 52K				80 90		Enter total length in inches. Nominal length only. Actual lengths vary by cut point. Refer to page 3.

Example part number: LLI-N5.3W-67-ST63-30K-24V-80-96in
Default 48in end feed power wire (PWR48EF) included. Use OPTIONAL section to specify other power feed(s).

OPTIONAL CODE →

POWER FEED

LEAD TYPE	LEAD LENGTH	FEED TYPE

Default [blank] - 48” hard wire end feed (PWR48EF)

PWR Hard Wire (no connector)

Enter desired wire length in inches

EF End Feed
RF Rear Feed
SL Side Left
SR Side Right

For runs that require power feeds on both ends, repeat optional power feed code.

STATIC WHITE LED NEON - 24V

Square Profile / Top Bending / Silicone (ST63)

OVERALL LENGTH / SEGMENT GUIDE

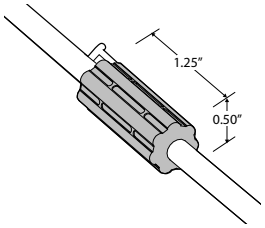
Dimension tolerance of ± 1/8".
Measurements below do not include area required for routing power wire. Add 1" distance to layout to account for routing end feed power wire.
This product expands and contracts in varying ambient temperatures. If butting Neon end-to-end, add 1/2" to 1" gap between sections for expansion.

7.9"	10.3"	12.8"	15.2"	17.7"	20.2"	22.6"	25.1"	27.5"	30.0"	32.5"	34.9"
37.4"	39.8"	42.3"	44.8"	47.2"	49.7"	52.1"	54.6"	57.1"	59.5"	62.0"	64.4"
66.9"	69.4"	71.8"	74.3"	76.8"	79.2"	81.7"	84.1"	86.6"	89.1"	91.5"	94.0"
96.4"	98.9"	101.4"	103.8"	106.3"	108.7"	111.2"	113.7"	116.1"	118.6"	121.0"	123.5"
126.0"	128.4"	130.9"	133.3"	135.8"	138.3"	140.7"	143.2"	145.6"	148.1"	150.6"	153.0"
155.5"	158.0"	160.4"	162.9"	165.3"	167.8"	170.3"	172.7"	175.2"	177.6"	180.1"	182.6"
185.0"	187.5"	189.9"	192.4"	194.9"	197.3"	199.8"	202.2"	204.7"	207.2"	209.6"	212.1"
214.5"	217.0"	219.5"	221.9"	224.4"	226.9"	229.3"	231.8"	234.2"	236.7"	239.2"	241.6"
244.1"	246.5"	249.0"	251.5"	253.9"	256.4"	258.8"	261.3"	263.8"	266.2"	268.7"	271.1"
273.6"	276.1"	278.5"	281.0"	283.4"	285.9"	288.4"	290.8"	293.3"	295.7"	298.2"	300.7"
303.1"	305.6"	308.1"	310.5"	313.0"	315.4"	317.9"	320.4"	322.8"	325.3"	327.7"	330.2"
332.7"	335.1"	337.6"	340.0"	342.5"	345.0"	347.4"	349.9"	352.3"	354.8"	357.3"	359.7"
362.2"	364.6"	367.1"	369.6"	372.0"	374.5"	376.9"	379.4"	381.9"	384.3"	386.8"	389.3"
391.7"											

STATIC WHITE LED NEON - 24V

Square Profile / Top Bending / Silicone (ST63)

ANTI-WICKING FERRULE

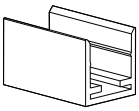


Standard on all LED Neon power feeds. Located 4-6" from the connector. Protects against water ingress and circuit board corrosion.

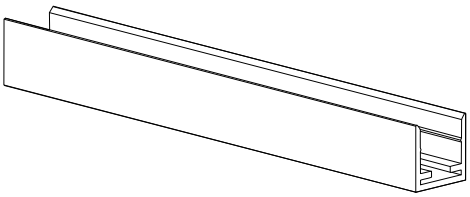
MOUNTING CHANNELS AND CLIPS (SOLD SEPARATELY)

NOTE: Leave a 0.5" to 1" gap between Neon power feed and mounting channel, to avoid undue stress on power feed cables.

ALUMINUM MOUNTING CHANNEL - SILVER ANODIZED



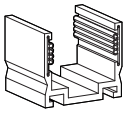
Mounting Clip
Recommended 2 clips every 12"
Part Number: LLI-NS63-MCL-1.5IN
Dimensions: 1.50" L x 0.75" H x 0.84" W



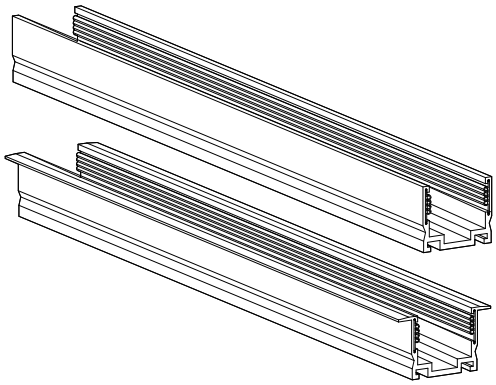
39" Mounting Channel
Part Number: LLI-NS63-EXT-39IN
Dimensions: 39" L x 0.75" H x 0.84" W

ALUMINUM MOUNTING CHANNEL WITH SILICONE GRIP - SILVER ANODIZED

Recommended for ceilings or downward mounted Neon.



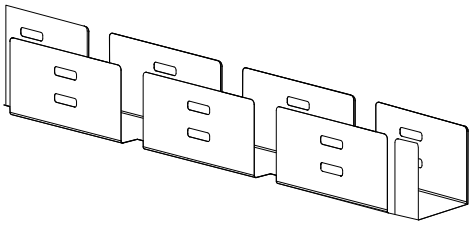
Silicone Grip Mounting Clip
Recommended 2 clips every 12"
Part Number: LLI-NS63-MCL-SG-1.5IN
Dimensions: 1.50" L x 0.82" H x 0.83" W



39" Silicone Grip Mounting Channel
Part Number: LLI-NS63-EXT-SG-39IN
Dimensions: 39" L x 0.82" H x 0.83" W

39" Recessed Silicone Grip Mounting Channel
Part Number: LLI-NS63-EXT-RSG-39IN
Dimensions: 39" L x 0.82" H x 1.20" W

FLEXIBLE ALUMINUM MOUNTING CHANNEL - SILVER ANODIZED



20" Flexible Mounting Channel
Part Number: LLI-NS63-EXT-F-20IN
Dimensions: 20" L x 0.71" H x 0.69" W

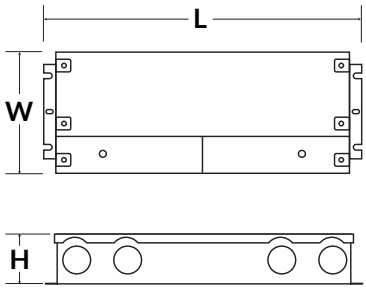
LLI ARCHITECTURAL LIGHTING

POWER SUPPLIES SOLD SEPARATELY

DIMMABLE ELECTRONIC 0-10V

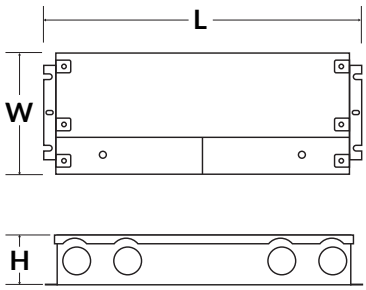
Optimal performance dims to 0%.*

PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-DE010-030W-24V-KO	30W	120V or 277V	24V	CLASS 2	IP66 WET	6.5”	3.6”	1.6”
LLI-PS-DE010-060W-24V-KO	60W	120V or 277V	24V	CLASS 2	IP66 WET	7.4”	3.6”	1.6”
LLI-PS-DE010-096W-24V-KO	96W	120V or 277V	24V	CLASS 2	IP66 WET	8.7”	3.7”	1.7”
LLI-PS-DE010-192W-24V-CL2-KO	2x96W	120V or 277V	24V	CLASS 2	IP66 WET	10.9”	4.3”	1.9”
LLI-PS-DE010-200W-24V-KO	200W	120V or 277V	24V	CLASS 1	IP66 WET	10.2”	4.1”	1.8”
LLI-PS-DE010-288W-24V-CL2-KO	3x96W	120V or 277V	24V	CLASS 2	IP66 WET	11.9”	4.3”	1.9”
LLI-PS-DE010-300W-24V-KO	300W	120V or 277V	24V	CLASS 1	IP66 WET	10.9”	4.3”	1.8”



NON-DIMMABLE ELECTRONIC

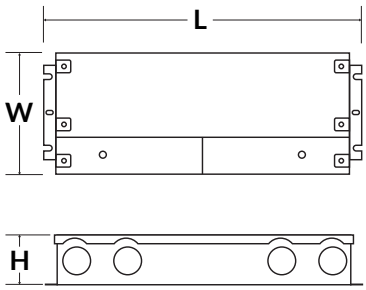
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-NDE-030W-24V-KO	30W	100-277V	24V	CLASS 2	IP66 WET	6.5”	3.5”	1.02”
LLI-PS-NDE-060W-24V-KO	60W	100-277V	24V	CLASS 2	IP66 WET	7.4”	3.5”	1.2”
LLI-PS-NDE-096W-24V-KO	96W	100-277V	24V	CLASS 2	IP66 WET	8.7”	3.7”	1.7”
LLI-PS-NDE-192W-24V-CL2-KO	2x96W	100-277V	24V	CLASS 2	IP66 WET	10.9”	4.1”	1.9”
LLI-PS-NDE-200W-24V-KO	200W	100-277V	24V	CLASS 1	IP66 WET	10.3”	4.1”	1.8”
LLI-PS-NDE-288W-24V-CL2-KO	3x96W	100-277V	24V	CLASS 2	IP66 WET	11.9”	4.1”	1.9”
LLI-PS-NDE-300W-24V-KO	300W	100-277V	24V	CLASS 1	IP66 WET	10.9”	4.3”	1.8”



DIMMABLE ELECTRONIC FLICKER-FREE

Optimal performance dims to 2-5%.

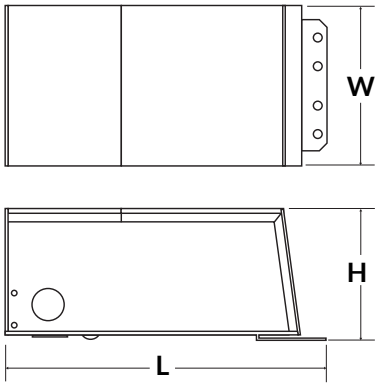
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-UDEFF-030W-24V-KO	30W	110-277V	24V	CLASS 2	IP66 WET	6.5”	3.6”	1.0”
LLI-PS-UDEFF-060W-24V-KO	60W	110-277V	24V	CLASS 2	IP66 WET	7.4”	3.6”	1.0”
LLI-PS-UDEFF-096W-24V-KO	96W	110-277V	24V	CLASS 2	IP66 WET	8.7”	3.7”	1.6”
LLI-PS-UDEFF-192W-24V-CL2-KO	2x96W	110-277V	24V	CLASS 2	IP66 WET	10.9”	4.3”	1.9”
LLI-PS-UDEFF-200W-24V-KO	200W	110-277V	24V	CLASS 1	IP66 WET	10.2”	4.1”	1.8”
LLI-PS-UDEFF-288W-24V-CL2-KO	3x96W	110-277V	24V	CLASS 2	IP66 WET	11.9”	4.3”	1.9”
LLI-PS-UDEFF-300W-24V-KO	300W	110-277V	24V	CLASS 1	IP66 WET	11.0”	4.3”	1.8”



DIMMABLE MAGNETIC

Optimal performance dims to 5-10%.*

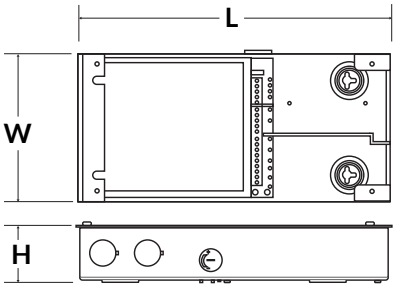
PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
LLI-PS-DM-020W-24V-KO	20W	120V or 277V	24V	CLASS 2	NEMA 3R WET	7.38”	2.11”	1.60”
LLI-PS-DM-040W-24V-KO	40W	120V or 277V	24V	CLASS 2	NEMA 3R WET	7.38”	2.11”	1.60”
LLI-PS-DM-060W-24V-KO	60W	120V or 277V	24V	CLASS 2	NEMA 3R WET	8.13”	3.93”	1.59”
LLI-PS-DM-100W-24V-KO	100W	120V or 277V	24V	CLASS 2	NEMA 3R WET	8.13”	3.93”	1.59”
LLI-PS-DM-150W-24V-KO	150W	120V or 277V	24V	CLASS 1	NEMA 3R WET	8.79”	4.15”	3.41”
LLI-PS-DM-200W-24V-KO	200W	120V or 277V	24V	CLASS 1	NEMA 3R WET	8.79”	4.15”	3.41”
LLI-PS-DM-300W-24V-KO	300W	120V or 277V	24V	CLASS 1	NEMA 3R WET	8.79”	4.15”	3.41”
LLI-PS-DM-300W-24V-CL2-KO	6 x 50W	120V or 277V	24V	CLASS 2	NEMA 3R WET	10.29”	5.69”	3.43”
LLI-PS-DM-600W-24V-KO	2 x 300W	120V or 277V	24V	CLASS 1	NEMA 3R WET	10.29”	6.79”	4.68”



LUTRON HI-LUME PREMIER 0.1% DIMMABLE ELECTRONIC

Soft-on, Fade-to-Black, continuous flicker-free dimming from 100% to 0.1.

PART NUMBER	CAPACITY	INPUT	OUTPUT	CLASS	LOCATION	L	W	H
L3D0-96W24V-U	96W	120-277V	24V	CLASS 2	IP20 DRY	10.5”	5.5”	2.0”



Performance can be affected by driver loading and dimmer type.