GREEN LED LIGHTING SOLUTIONS

LED Neon FLEX



VIVID

Contour

STATIC

PVC 24V

Version 6.0|04/15/2022

For More Information

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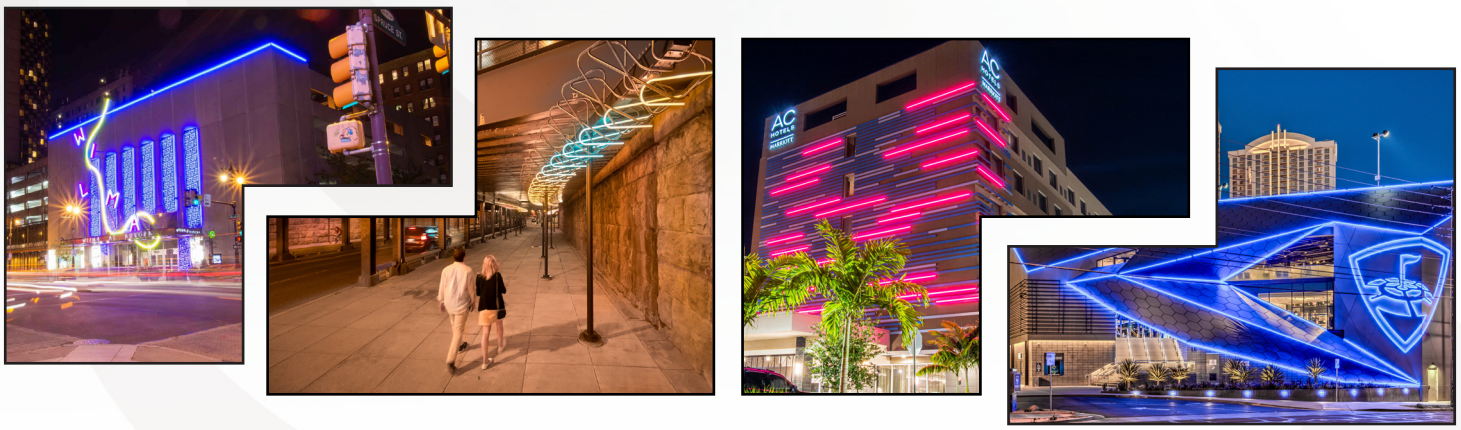
c UL us LISTED E347880 · CE · RoHS COMPLIANT · INDOOR USE · OUTDOOR USE · IP68



Light Dimension	0.35 x 0.71in (9 x 18mm)	
Output	**Red/Amber**	**Green/Blue/White**
LED Light	SMD LED Chip	
Max Run Length		
Single Feed	65.62ft (20m)	49.21ft (15m)
Double Feed	131.23ft (40m)	98.43ft (30m)
Light Surface	Square Profile 160°	
Lumen Maintenance	70,000 Hours L70 @ 25°C : 90,000 L50 @ 25°C 50,000 Hours L70 @ 50°C : 70,000 Hours L50 @ 50°C	
Electrical		
Input Voltage	24V DC	
Power Consumption	1.07W/ft(3.5W/m)	1.37W(4.5W/m)
Physical		
LED Count	22 LEDs/ft (72 LEDs/m)	
Cutting Unit Length	4.92in (125mm) (9LEDs)	3.28in (83.3mm) (6LEDs)
Thermal Management	Free air convection	
Fixture Connections	End, side & bottom lead wires	
Minimum Bend Diameter	3.54in (90mm) (Side Bending)	
Temperature Ranges		
Installation	32°F to 113°F (0°C to 45°C)	
Operating	-4°F to 113°F (-20°C to 45°C)	
Max. Surface	140°F (60°C)	
Humidity	0-95% non condensing	
Dependability		
Warranty	5 Year Limited Warranty	
Safety		
Testing	Tested to UL & CSA by Underwriters Laboratory for use in USA and Canada, complies with California Title 24 Requirements, Lighting Facts. Exceeds ANSI C78.377A, CE & RoHS Compliant.	

Certifications	Testing Organization	Certificate Serial N°	Report Reference
UL 2108	UL	E347880	E347880-20130503
CE-EMC	SGS	SZEM1712012372LMV	SZEM171201237201
IP Rating	IP68 With appropriately rated accessories.		

Optical Parameters

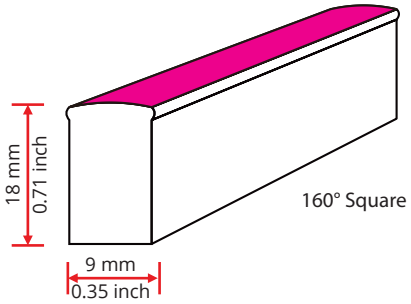
Available Colors

Color	Wavelength/CCT
Red	618-624nm
Green	522-528nm
Blue	468-474nm
Amber	588-594nm
ĭ ĭĂĂ1	2238 ± 102K
2700K	2725 ± 145K
30ĂĂ1	3045 ± 175K
3500K	3465 ± 245K
40ĂĂ1	3985 ± 275K
57ĂĂ1	5669 ± 355K

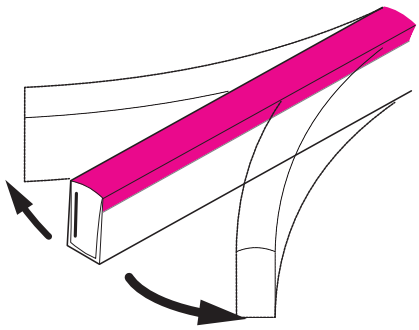
Lumen Count / Side Bending

Color	Per Foot	Per Meter
Red	14lm	45lm
Green	24lm	80lm
Blue	5lm	15lm
Amber	15lm	50lm
2200K	34lm	110lm
2700K	34lm	110lm
3000K	37lm	120lm
3500K	37lm	120lm
4000K	37lm	120lm
5700K	34lm	110lm

Light Profile

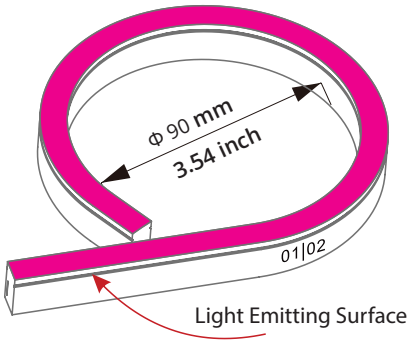


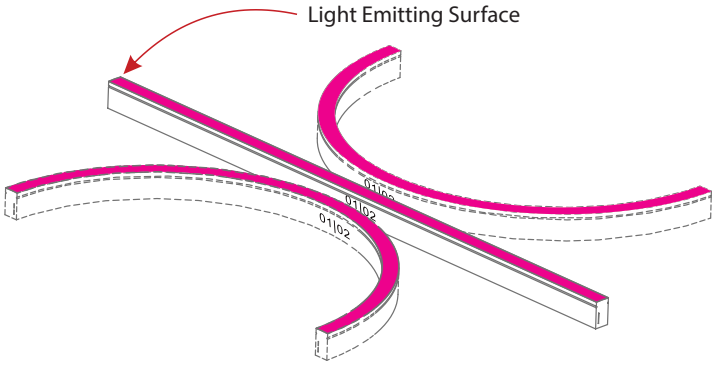
Bending Direction



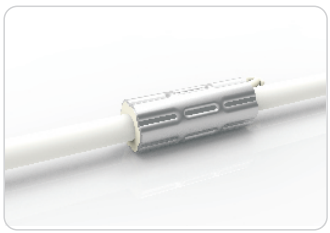
Side Bending

Minimum Bending Diameter

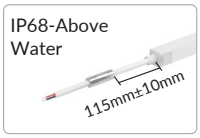




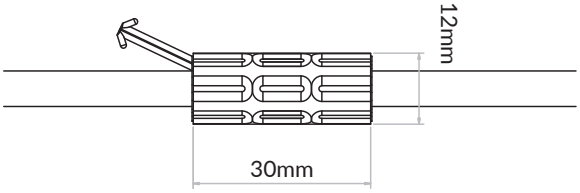
Lead Wire Accessories



Anti-wicking Ferrule







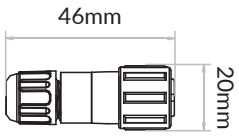


Cable Connectors

NA-XX-BC-DC-CXX-F
NA-XX-BC-DC-CXX-M

NA-XX-BN-XXA-CXX-F
NA-XX-BN-XXA-CXX-M

NA-XX-PL-XXA-CXX-F
NA-XX-PL-XXA-CXX-M



Fixtures

NF-09A-1- 01-2W-E-XXX-24DV

LED Color (3 digits)

LED Color (3 digits)	
RED - Red	27K - 2700K
GRE - Green	30K - 3000K
BLU - Blue	35K - 3500K
AMB - Amber	40K - 4000K
22K - 2200K	57K - 5700K

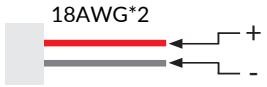
Lead Connector

NA-09A-1-01-2W-XX-X-XX-XXX-P

Length (3 digits)
Exit Type (2 Digits)
For Fixture End (1 Digit)
Connector Type (2 Digits)

Connector Type	Fixture End	Exit Type	Length
SC - Snap	1 - Input side	EN - End	0M3 - 0.98ft (30cm)
SV - Swivel	2 - Output side	BO - Bottom	01M - 3.28ft (1m)
SE - Seamless	0 - Jumpers/ Seamless Bottom/ Seamless End	SL - Side left	03M - 9.84ft (3m)
SU - Submersible		SR - Side right	05M - 16ft (5m)
		EJ - End jumper	10M - 32.81ft (10m)
		BJ - Bottom jumper	000 - For End Cap
		SJ - Side jumper	

For full part number naming rules, please refer to the document on https://www.glls.com/documentation/



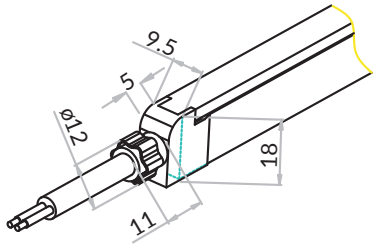
Seamless

(Dimensions: mm)



Seamless End Exit

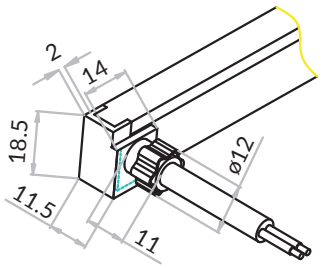
NA-09A-1-01-2W-SE-0-EN-XXX-P





Seamless Side Exit

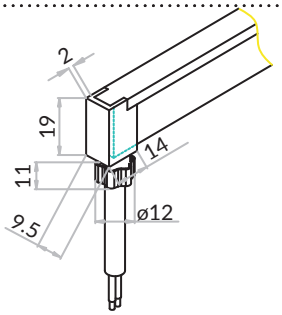
NA-09A-1-01-2W-SE-1-SR-XXX-P
NA-09A-1-01-2W-SE-2-SL-XXX-P





Seamless Bottom Exit

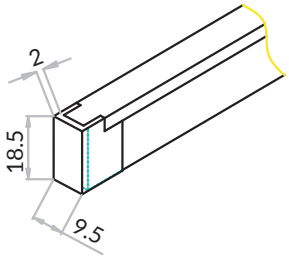
NA-09A-1-01-2W-SE-0-BO-XXX-P





Seamless End Cap

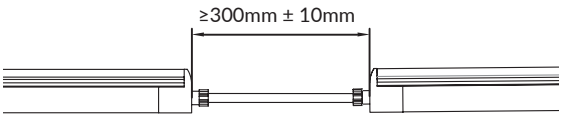
NA-09A-1-01-0W-SE-1-EC-000-P
NA-09A-1-01-0W-SE-2-EC-000-P



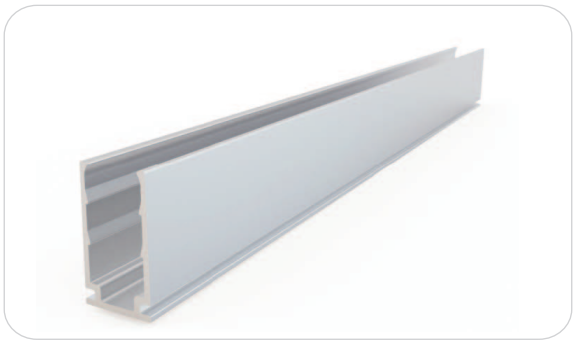


Seamless Jumper

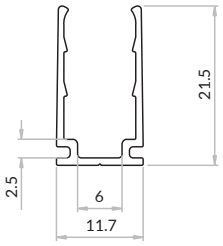
NA-09A-1-01-2W-SE-0-EJ-XXX-P



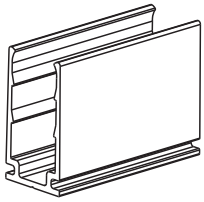
Standard Aluminum Channel

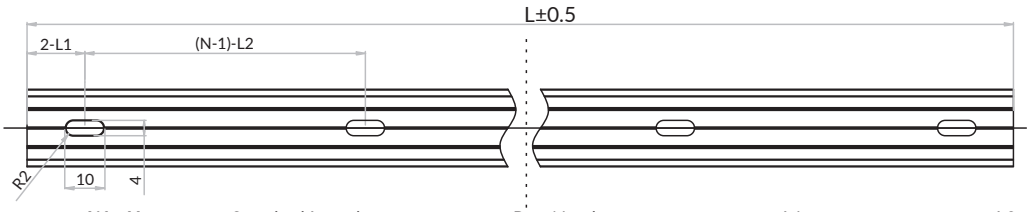


(Dimensions: mm)



Tolerance: ±0.2mm



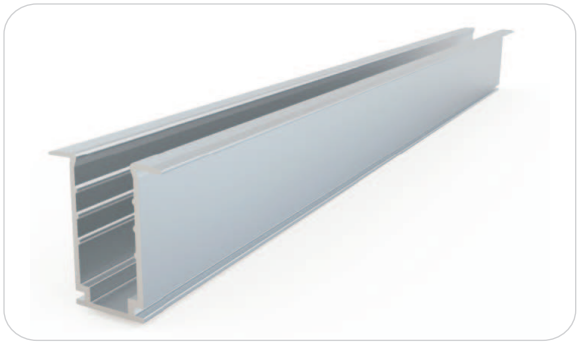


Note

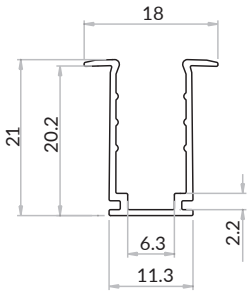
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.46 x 0.85in	1.38in (35mm)	CL-09-R-AL-3C5-SD	0.69in (17.5mm)	/	0.39x0.16in(10x4mm)	1
(11.7 x 21.5mm)	19.69in (500mm)	CH-09-R-AL-0M5-SD	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-09-R-AL-01M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-09-R-AL-02M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

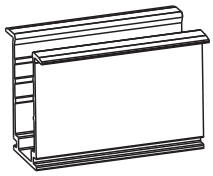
Recessed Aluminum Channel

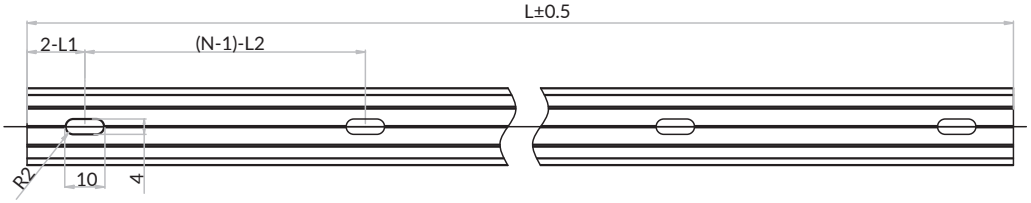


(Dimensions: mm)



Tolerance: ±0.2mm





Note:

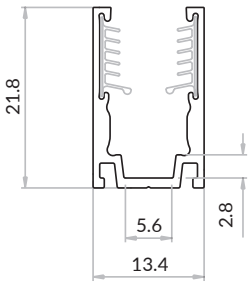
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.71 x 0.83in	1.38in (35mm)	CL-09-R-RA-3C5-SD	0.69in (17.5mm)	/	0.39x0.16in(10x4mm)	1
(18 x 21mm)	19.69in (500mm)	CH-09-R-RA-0M5-SD	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-09-R-RA-01M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-09-R-RA-02M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

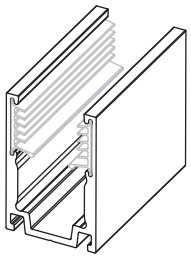
Standard Aluminum Channel with Silicone Grip

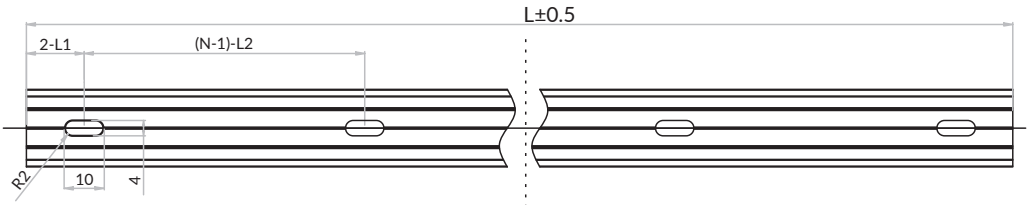


(Dimensions: mm)



Tolerance: ±0.2mm





Note:

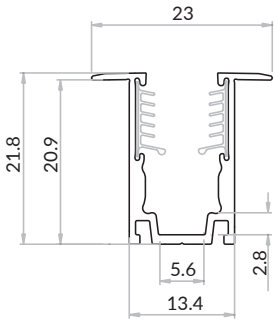
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.53 x 0.86in	0.787in (20mm)	CL-09-R-AL-02C-SE	0.39in (10mm)	/	0.39x0.16in(10x4mm)	1
(13.4 x 21.8mm)	19.69in (500mm)	CH-09-R-AL-0M5-SE	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-09-R-AL-01M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-09-R-AL-02M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

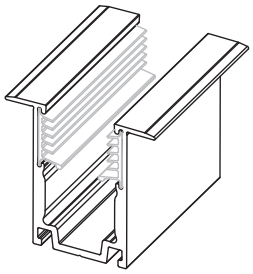
Recessed Aluminum Channel with Silicone Grip

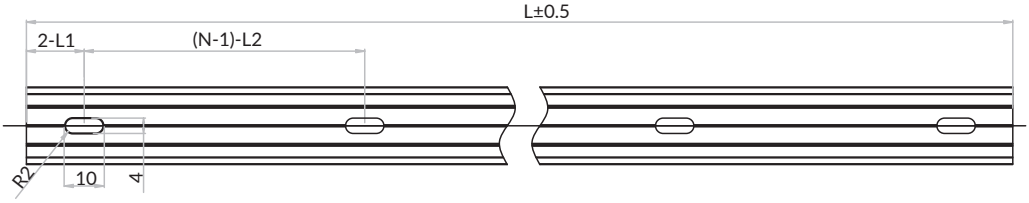
(Dimensions: mm)





Tolerance: ±0.2mm





Note:

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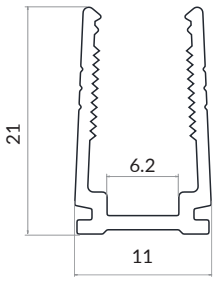
W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.53 x 0.91in	0.787in (20mm)	CL-09-R-RA-02C-SE	0.39in (10mm)	/	0.39x0.16in(10x4mm)	1
(13.4 x 23mm)	19.69in (500mm)	CH-09-R-RA-0M5-SE	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-09-R-RA-01M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-09-R-RA-02M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

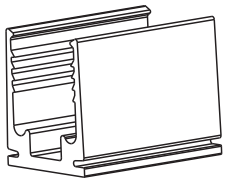
Plastic Channel

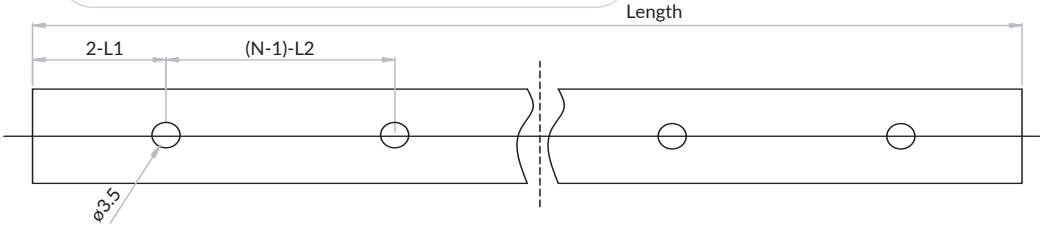


(Dimensions: mm)



Tolerance: ±0.3mm



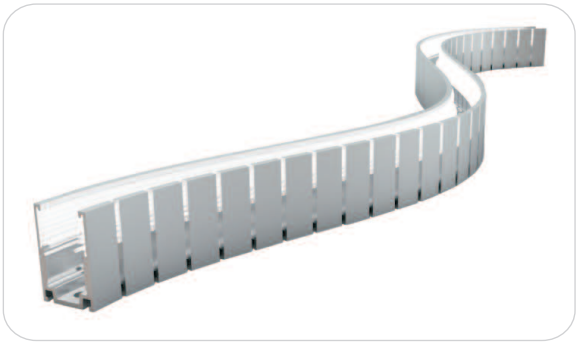


Note:

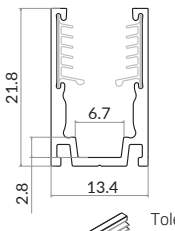
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.43 x 0.83in (11 x 21mm)	19.69in (500mm)	CH-09-R-PL-0M5-SD	1.97in (50mm)	7.87in (200mm)	ø0.14in(ø3.5mm)	3
	39.37in (1000mm)	CH-09-R-PL-01M-SD	3.94in (100mm)	7.87in (200mm)	ø0.14in(ø3.5mm)	5
	78.74in (2000mm)	CH-09-R-PL-02M-SD	3.94in (100mm)	7.87in (200mm)	ø0.14in(ø3.5mm)	10

Bendable Serrated Aluminum Channel

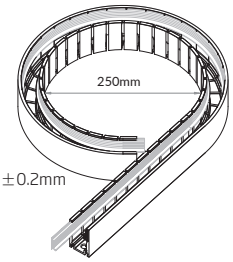


(Dimensions: mm)

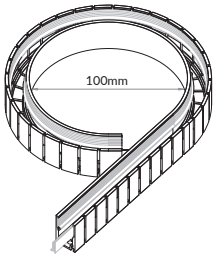


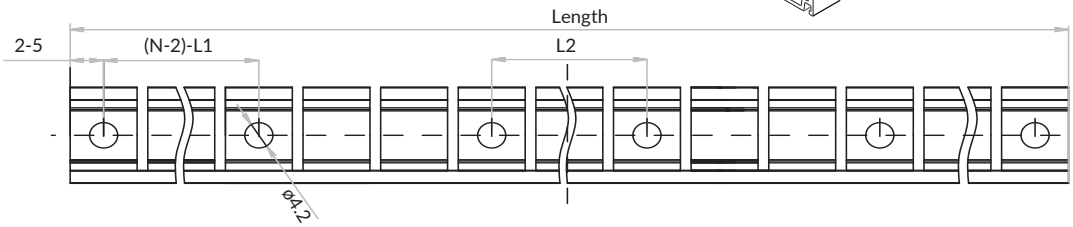
Tolerance: ±0.2mm

Min Bending Diameter (Toothed Side inwards)



Min Bending Diameter (Toothed Side outwards)





Note:

1. 2-5 refers to two of symmetric 5mm in each piece of profile.
2. (N-2)-L1 refers to (N minus two) of symmetric L1 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.53 x 0.86in (13.4 x 21.8mm)	19.69in (500mm)	CH-09-F-AL-0M5-SE	4.59in (116.5mm)	0.92in (23.3mm)	ø 0.17in(4.2mm)	6
	39.37in (1000mm)	CH-09-F-AL-01M-SE	4.59in (116.5mm)	2.29in (58.2mm)	ø 0.17in(4.2mm)	10

For more available mounting options, please refer to the series manual on https://www.glls.com/documentation/