GREEN LED LIGHTING SOLUTIONS

LED Neon FLEX



VIVID

S 160

PWM RGBW

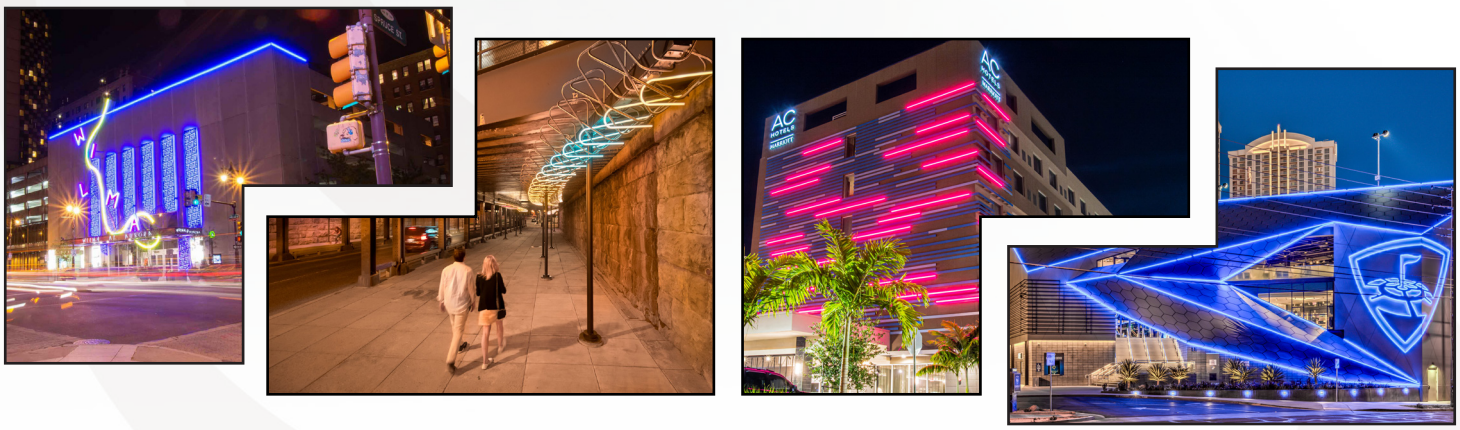
SILICONE 24V

c UL us LISTED E347880 | CE | RoHS COMPLIANT | INDOOR USE | OUTDOOR USE | IP68 | DMX RDM | DALI | DIMMABLE

Version 1.4 | 02/03/2021

For More Information

Toll Free: 1 (888) 580-6366



GREEN LED LIGHTING SOLUTIONS

UNITED STATES

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1075 American Pacific Dr.,
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CANADA

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E1C 4X7

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Northfleet, Gravesend,
DA11 8HN, UK

DISCLAIMER

GLLS, reserves the right to make any design changes for continuous improvement which will not affect the overall appearance or performance.

WEBSITES

www.glls.com
www.ledneonflex.com
www.aquaneon.com

Light Dimension	0.45 x 0.83in (11.5x21mm)		
Output	**RGBW**		
LED Light	SMD LED Chip		
Max Run Length	*Due to the fragility of five-wire fixtures, GLLS does not recommend exceeding lengths longer than 16.4ft (5m).		
Single Feed	Full Load: 26.24ft (8m)	Dynamic Load: 39.36ft (12m)	
Double Feed	Full Load: 52.48ft (16m)	Dynamic Load: 78.72ft (24m)	
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	4.57W/ft (15W/m)		
Physical			
LED Count	18 LEDs/ft (60 LEDs/m)		
Cutting Unit Length	3.94in (100mm) (6 LEDs)		
Thermal Management	Free air convection		
Fixture Connections	End, side & bottom lead wires		
Minimum Bend Diameter	4.72in (120mm) (Side Bending)		
Temperature Ranges			
Installation	-40°F to 122°F (-40°C to 50°C)		
Operating	-40°F to 113°F (-40°C to45°C)		
Humidity	0-95% non condensing		
Max. Surface	185°F (85°C)		
Dependability			
Warranty	10 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	522-530nm
Blue	468-474nm
2700K	2725 ± 85K
3000K	3045 ± 175K
4000K	3985 ± 150K

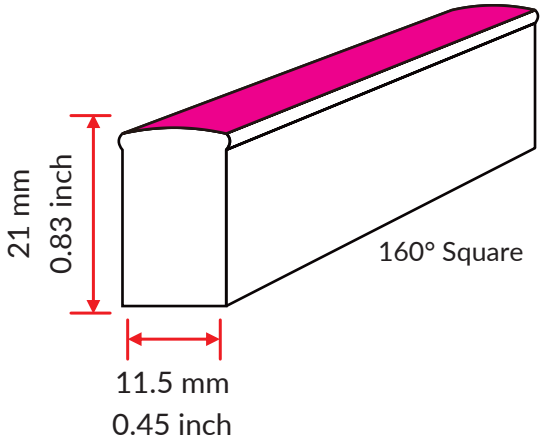
Lumen Count Side Bending

Color	Per Foot	Per Meter
Red	15lm	50lm
Green	37lm	120lm
Blue	8lm	25lm
2700K	37lm	120lm
3000K	37lm	120lm
4000K	37lm	120lm

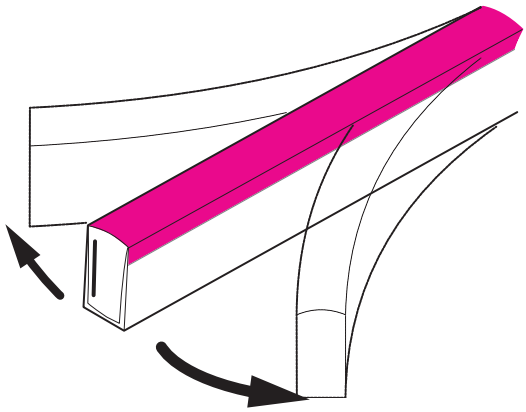


Beam Angle | **Bending Diameter** | **Flame Resistant** | **UV Resistant** | **Solvents Resistant** | **Saltwater Resistant** | **IP68 Protection** | **IK08 Protection** | **10 Year Warranty**

Light Profile

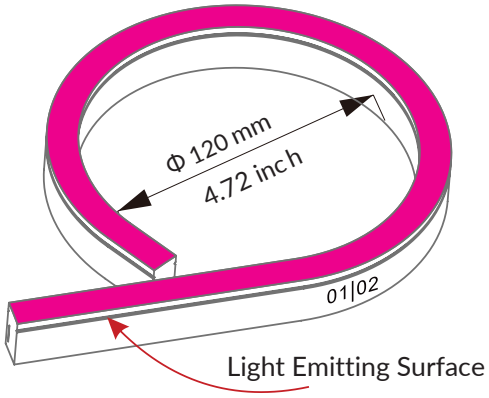


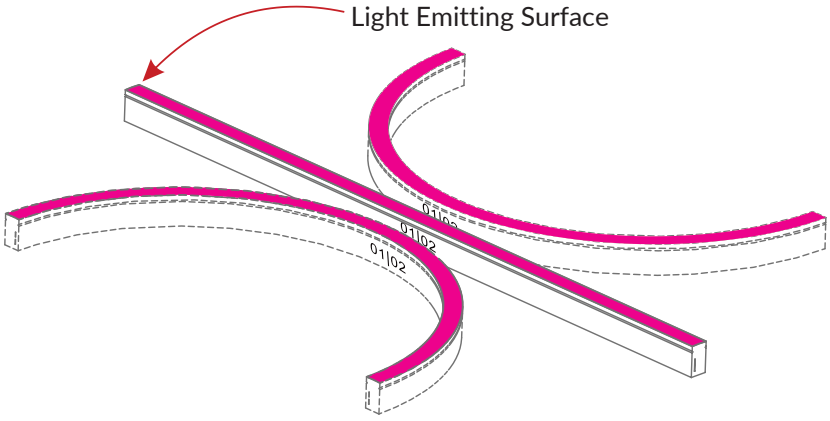
Bending Direction



Side Bending

Minimum Bending Diameter





Fixtures

SF-11B-1-01-5W-E-XXX-24DV

LED Color (3 digits)

LED Color (3 digits)
R27 - RGBW (2700K)
R30 - RGBW (3000K)
R40 - RGBW (4000K)

Lead Connector

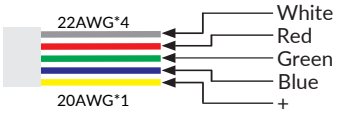
FA-11B-1-01-5W-SE-X-XX-XXX-S

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

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

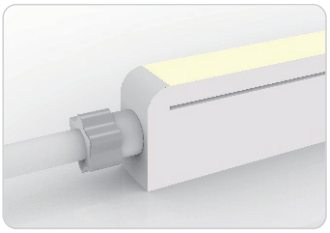
For full part number naming rules, please refer to https://www.glls.com/documentation/

IP68: Submersible. Factory Assembly only.



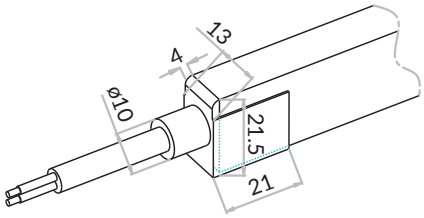
Seamless

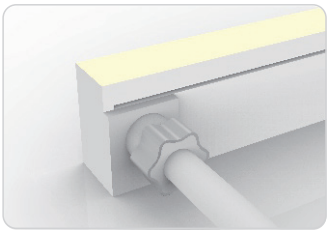
(Dimensions: mm)



Seamless End Exit

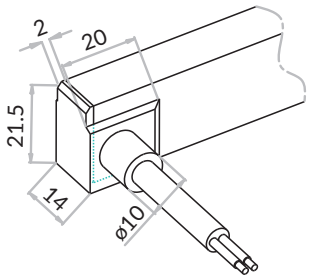
FA-11B-1-01-5W-SE-0-EN-XXX-S

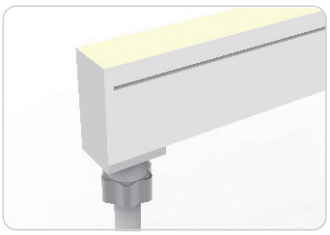




Seamless Side Exit

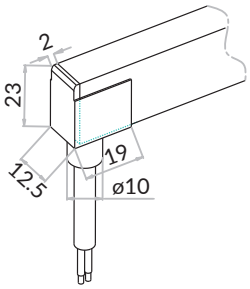
FA-11B-1-01-5W-SE-1-SR-XXX-S
FA-11B-1-01-5W-SE-2-SL-XXX-S

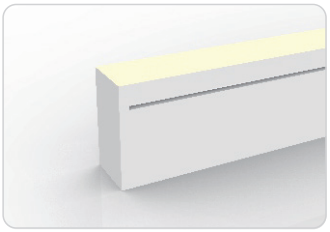




Seamless Bottom Exit

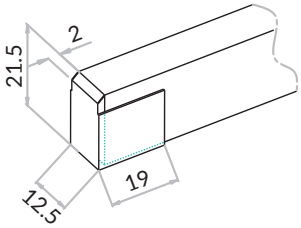
FA-11B-1-01-5W-SE-0-BO-XXX-S

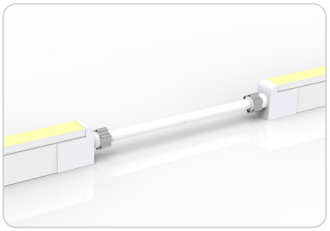




Seamless End Cap

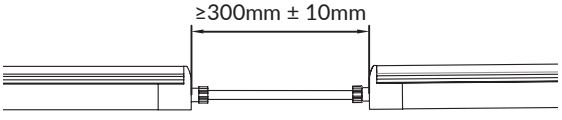
FA-11B-1-01-0W-SE-1-EC-000-P
FA-11B-1-01-0W-SE-2-EC-000-P



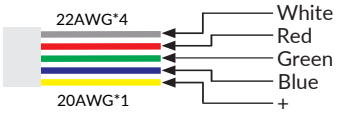


Seamless Jumper

FA-11B-1-01-5W-SE-0-EJ-XXX-S



IP68: Submersible. Factory Assembly only.

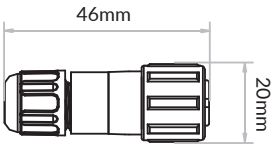


Cable Connectors

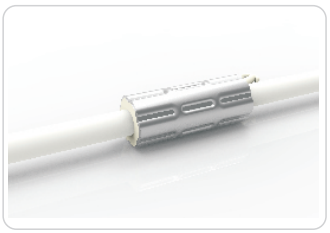


Barrel Connectors

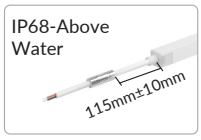
NA-5W-SC-10A-C75-F
NA-5W-SC-10A-C75-M



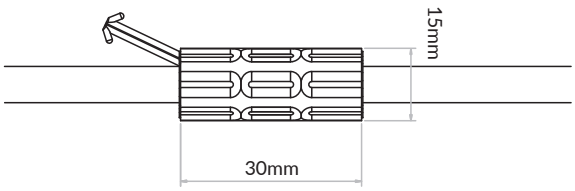
Anti-Wicking Ferrule



Anti-wicking Ferrule





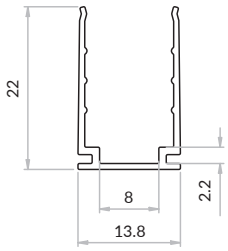


For more information on devices and wiring diagrams; please refer to https://www.glls.com/documentation/

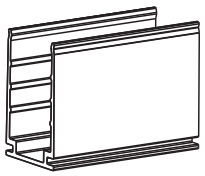
Standard Aluminum Channel

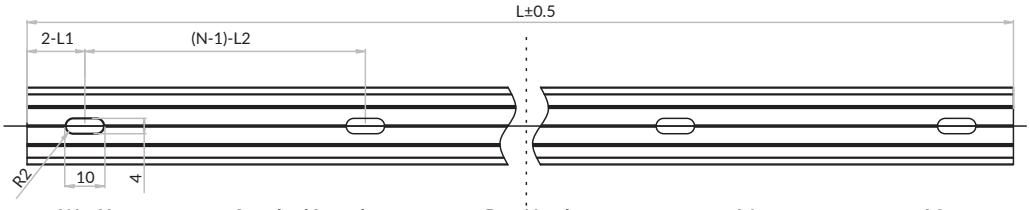


(Dimensions: mm)



Tolerance: ±0.2mm





Note:

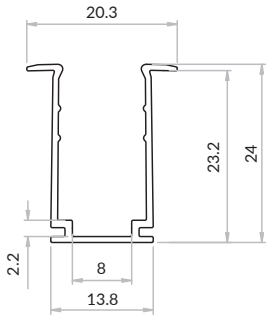
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.54 x 0.87in	1.38in (35mm)	CL-11-R-AL-3C5-SD	0.69in (17.5mm)	/	0.39x0.16in (10x4mm)	1
(13.8 x 22mm)	19.69in (500mm)	CH-11-R-AL-0M5-SD	1.97in (50mm)	7.87in (200mm)	0.39x0.16in (10x4mm)	3
	39.37in (1000mm)	CH-11-R-AL-01M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in (10x4mm)	5
	78.74in (2000mm)	CH-11-R-AL-02M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in (10x4mm)	10

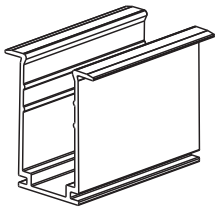
Recessed Aluminum Channel

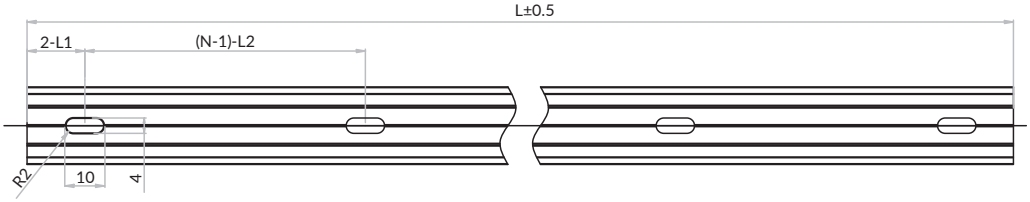
(Dimensions: mm)





Tolerance: ±0.2mm





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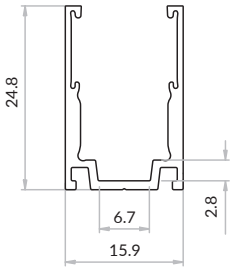
(13.8 x 22mm)	19.69in (500mm)	CH-11-R-RA-0M5-SD	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-11-R-RA-01M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-11-R-RA-02M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

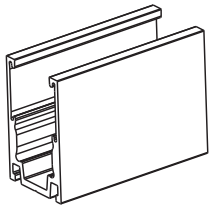
Standard Aluminum Channel with Silicone Grip

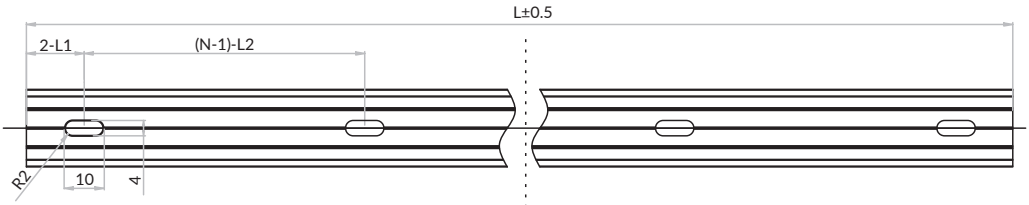


(Dimensions: mm)



Tolerance: ±0.2mm





Note:

1. 2-L1 refers to two of symmetric L1 in each piece of profile.
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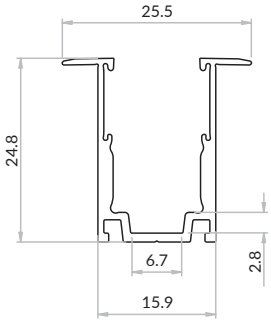
W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.63 x 0.98in	0.787in (20mm)	CL-11-R-AL-02C-SE	0.39in (10mm)	/	0.39x0.16in(10x4mm)	1
(15.9 x 24.8mm)	19.69in (500mm)	CH-11-R-AL-0M5-SE	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-11-R-AL-01M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-11-R-AL-02M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

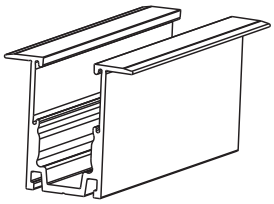
Recessed Aluminum Channel with Silicone Grip

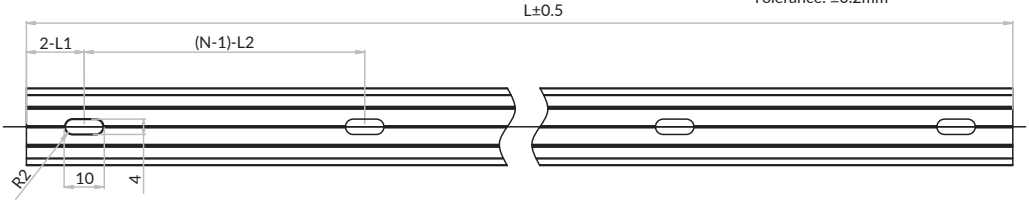
(Dimensions: mm)





Tolerance: ±0.2mm





Note:

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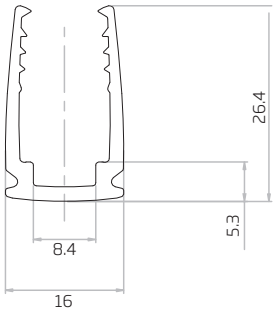
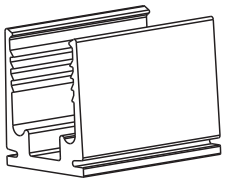
0.63 x 0.98in	0.787in (20mm)	CL-11-R-RA-02C-SE	0.39in (10mm)	/	0.39x0.16in(10x4mm)	1
(15.9 x 26.8mm)	19.69in (500mm)	CH-11-R-RA-0M5-SE	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-11-R-RA-01M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-11-R-RA-02M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

Transparent Reinforced Plastic Channel

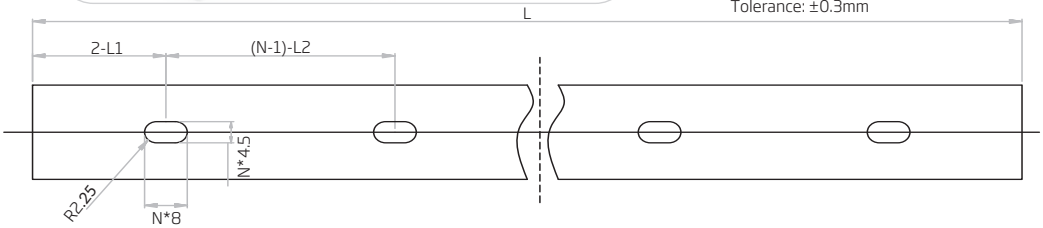


(Dimensions: mm)





Tolerance: ±0.3mm



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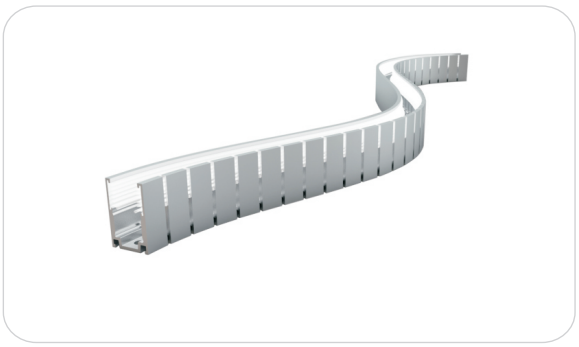
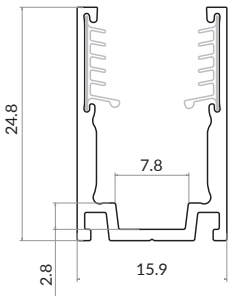
W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.63 x 1.04in	1.38in (35mm)	CL-11-R-TP-02C-SD	0.69in (17.5mm)	/	0.31x0.18in(8x4.5mm)	1
(16 x 26.4mm)	19.69in (500mm)	CH-11-R-TP-0M5-SD	1.97in (50mm)	7.87in (200mm)	0.31x0.18in(8x4.5mm)	3
	39.37in (1000mm)	CH-11-R-TP-01M-SD	3.94in (100mm)	7.87in (200mm)	0.31x0.18in(8x4.5mm)	5
	78.74in (2000mm)	CH-11-R-TP-02M-SD	3.94in (100mm)	7.87in (200mm)	0.31x0.18in(8x4.5mm)	10

Bendable Serrated Aluminum Channel

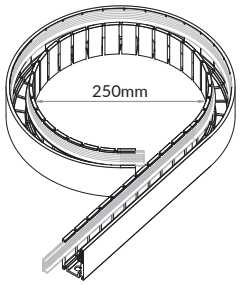


(Dimensions: mm)

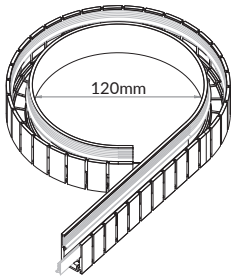


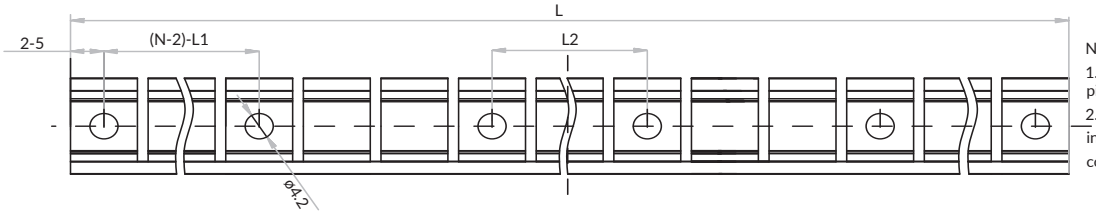
Tolerance: ±0.2mm

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 #
0.63 x 0.98in	19.69in (500mm)	CH-11-F-AL-0M5-SE	4.59in (116.5mm)	0.92in (23.3mm)	ø 0.17in(4.2mm)	6
(15.9 x 24.8mm)	39.37in (1000mm)	CH-11-F-AL-01M-SE	4.59in (116.5mm)	0.92in (23.3mm)	ø 0.17in(4.2mm)	10

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

DISCLAIMER
GLLS, reserves the right to make any design changes for continuous improvement which will not affect the overall appearance or performance.