



VIVID Wave PWM RGBW SILICONE 24V



Version 1.3 | 04/06/2022

For More Information

Toll Free: 1 (888) 580-6366

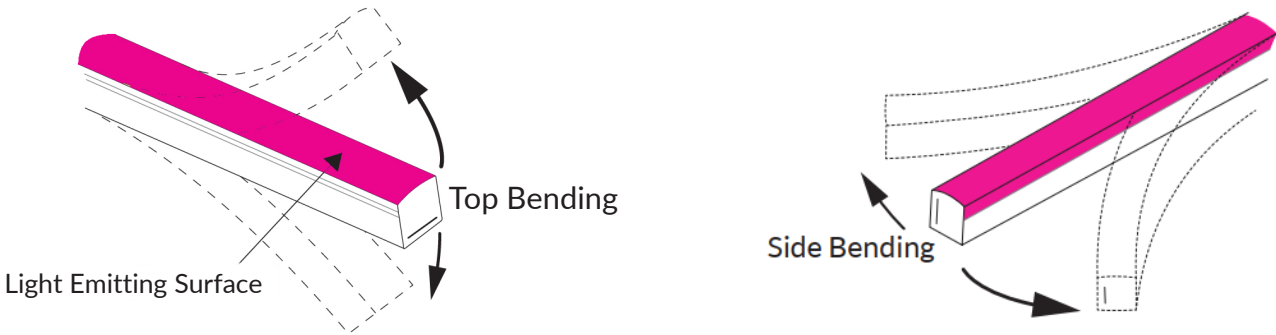


Light Dimension	0.63 x 0.67in (16x17mm)		
Output	RGBW		
LED Light	SMD LED Chip		
Max Run Length	*Due to the fragility of five-wire light fixtures, GLLS does not recommend exceeding lengths longer than 16.4ft(5m).		
Single Feed	Full Load: 26.25ft (8m)	Dynamic Load: 39.37ft (12m)	
Double Feed	Full Load: 52.49ft (16m)	Dynamic Load: 78.74ft (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	26 LEDs/ft (84 LEDs/m)		
Cutting Unit Length	3.28in (83.3mm) (7 LEDs)		
Thermal Management	Free air convection		
Fixture Connections	End, side & bottom lead wires		
Minimum Bend Diameter	11.81in (300mm) (Top or Side Bending)		
Temperature Ranges			
Installation	-40°F to 122°F (-40°C to 50°C)		
Operating	-40°F to 113°F (-40°C to 45°C)		
Max. Surface	185°F (85°C)		
Humidity	0-95% non condensing		
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.		

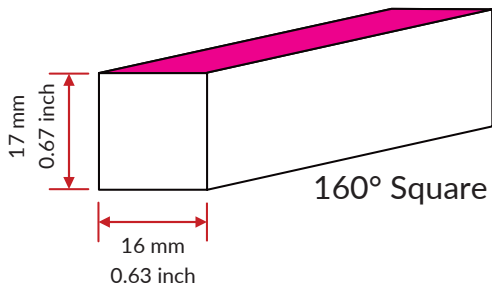
Optical Parameters						
Available Colors		Lumen Count	Side Bending		Top Bending	
Color	Wavelength/CCT	Color	Per Foot	Per Meter	Per Foot	Per Meter
Red	618-624nm	Red	27lm	90lm	26lm	85lm
Green	522-530nm	Green	73lm	240lm	67lm	220lm
Blue	468-474nm	Blue	12lm	40lm	11lm	35lm
2700K	2725 ± 145K	2700K	73lm	240lm	67lm	220lm
3000K	3045 ± 140K	3000K	73lm	240lm	67lm	220lm
4000K	3985 ± 275K	4000K	73lm	240lm	67lm	220lm

Beam Angle 160°	Bending Diameter D:300mm	Flame Resistant	UV Resistant	Solvents Resistant	Saltwater Resistant	IP68 Protection	IK08 Protection	10 Year Warranty

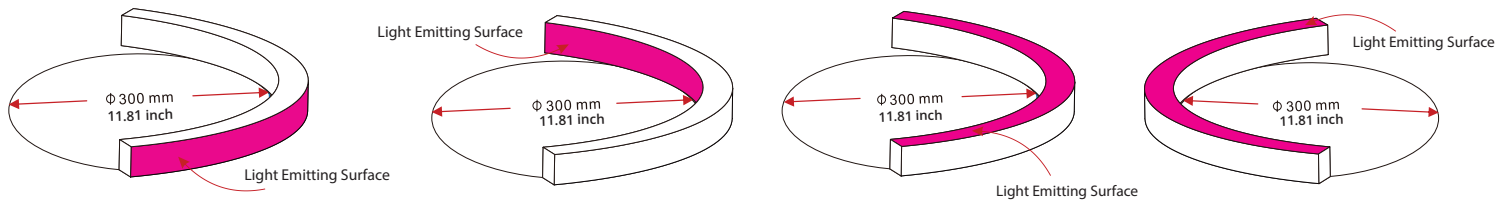
Bending Direction



Light Profile



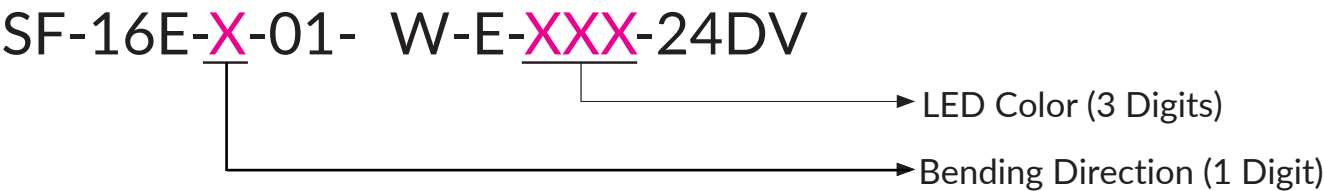
Minimum Bending Diameter



Top Bending

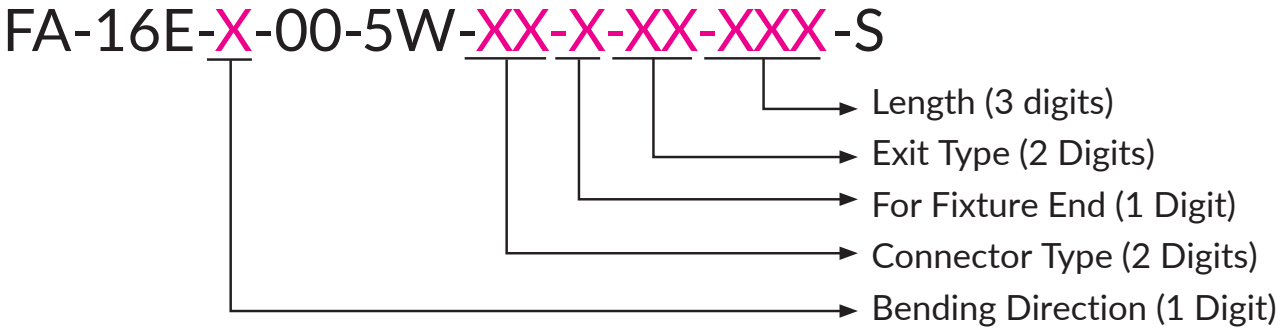
Side Bending

Fixtures



Bending Direction (1 Digit)	LED Color (3 Digits)
0 - Top Bending	R27 - RGBW (27K)
1 - Side Bending	R30 - RGBW (30K)
	R40 - RGBW (40K)

Lead Connector



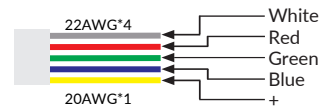
Bending Direction (1 Digit)	Connector Type (2 Digits)	For Fixture End (1 digit)	Exit Type (2 digits)	Length (3 digits)
0 - Top Bending	SE - Seamless	1 - Input side	EN - End	0M3 - 0.98ft (30cm)
1 - Side Bending		2 - Output side	BO - Bottom	01M - 3.28ft (1m)
		0 - Jumpers/ Seamless Bottom/ Seamless End	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



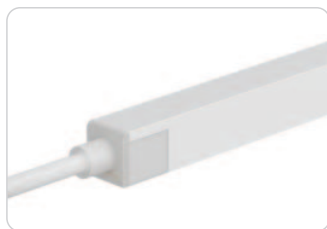
For full part number naming rules, please refer to the document on www.glls.com/support/documentation/

IP68: Submersible. Factory Assembly only.

Seamless

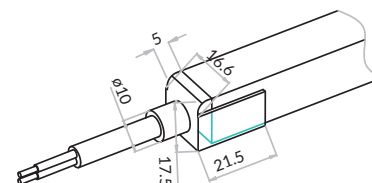


(Dimensions: mm)



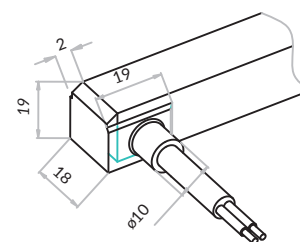
Seamless End Exit

FA-16E-X-00-5W-SE-0-EN-XXX-S



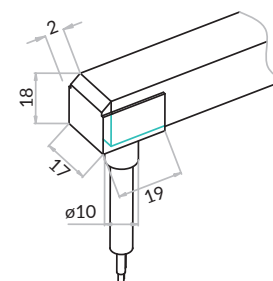
Seamless Side Exit

FA-16E-X-00-5W-SE-1-SL-XXX-S
FA-16E-X-00-5W-SE-2-SL-XXX-S
FA-16E-X-00-5W-SE-1-SR-XXX-S
FA-16E-X-00-5W-SE-2-SR-XXX-S



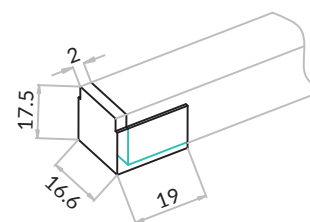
Seamless Bottom Exit

FA-16E-X-00-5W-SE-0-BO-XXX-S



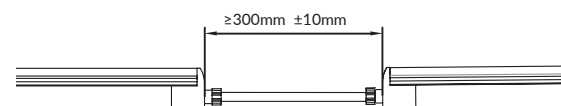
Seamless End Cap

FA-16E-1-00-0W-SE-1-EC-000-P
FA-16E-1-00-0W-SE-2-EC-000-P

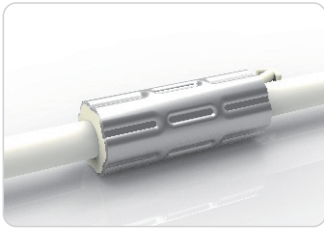


Seamless Jumper

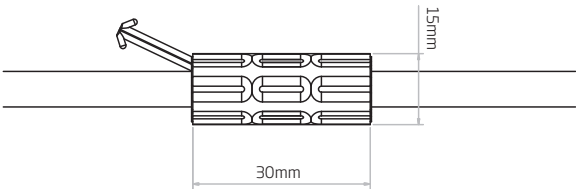
FA-16E-X-00-5W-SE-0-XJ-XXX-S



Lead Wire Accessories

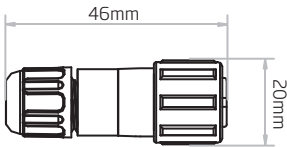


Anti-Wicking Ferrule



Cable Connectors

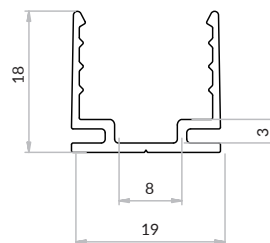
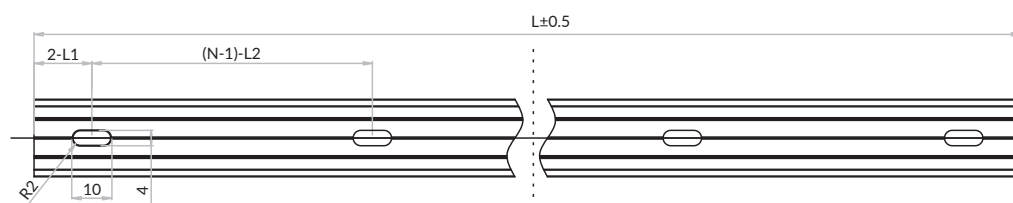
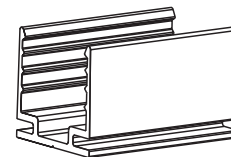
- NA-5W-SL-XXA-CXX-F
- NA-5W-SL-XXA-CXX-M
- NA-SL-EC-20A-M



Standard Aluminum Channel



(Dimensions: mm)

Tolerance: $\pm 0.2\text{mm}$ 

Note

1. 2-L1 refers to two of symmetric L1 in each piece of profile.

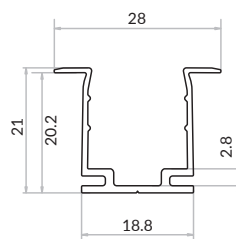
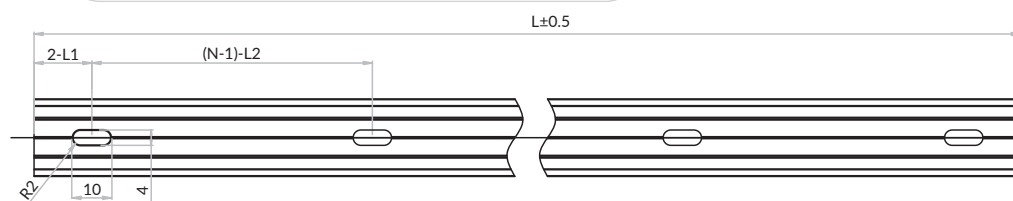
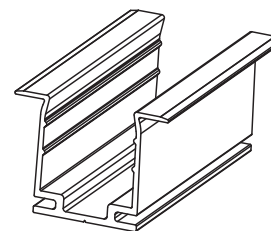
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.75 x 0.71in (19 x 18mm)	1.38in (35mm)	CL-16-R-AL-3C5-SD	0.69in (17.5mm)	/	0.39x0.16in(10x4mm)	1
	19.69in (500mm)	CH-16-R-AL-0M5-SD	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-16-R-AL-01M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-16-R-AL-02M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

Recessed Aluminum Channel



(Dimensions: mm)

Tolerance: $\pm 0.2\text{mm}$ 

Note:

1. 2-L1 refers to two of symmetric L1 in each piece of profile.

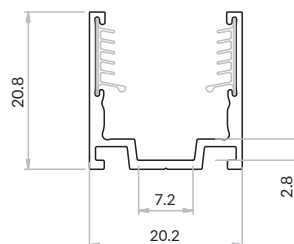
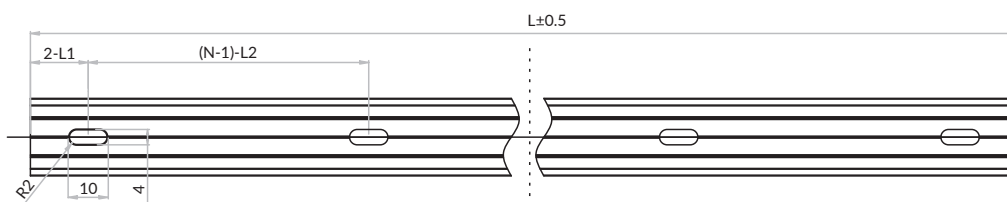
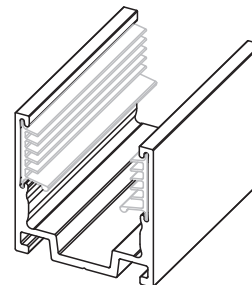
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
1.1 x 0.83in (28 x 21mm)	1.38in (35mm)	CL-16-R-RA-3C5-SD	0.69in (17.5mm)	/	0.39x0.16in(10x4mm)	1
	19.69in (500mm)	CH-16-R-RA-0M5-SD	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-16-R-RA-01M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-16-R-RA-02M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

Standard Aluminum Channel with Silicone Grip



(Dimensions: mm)

Tolerance: $\pm 0.2\text{mm}$ 

Note:

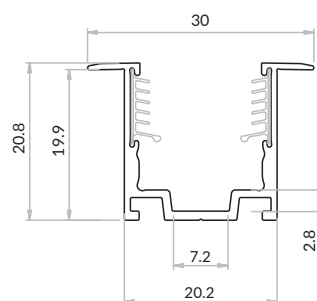
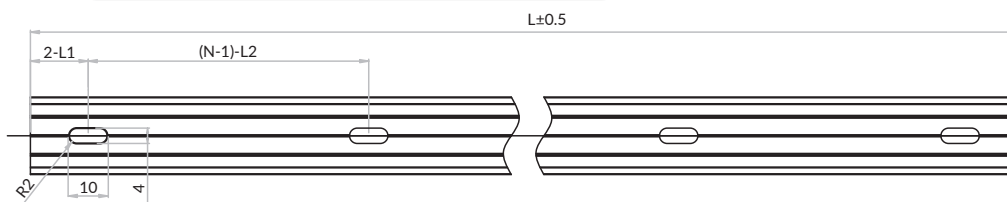
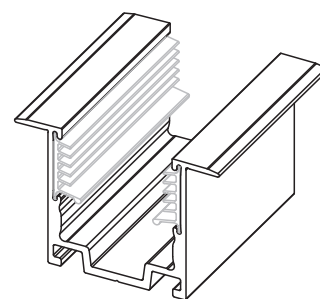
- 2-L1 refers to two of symmetric L1 in each piece of profile.
- (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.80 x 0.82in (20.2 x 20.8mm)	0.787in (20mm)	CL-16-R-AL-02C-SE	0.39in (10mm)	/	0.39x0.16in(10x4mm)	1
	19.69in (500mm)	CH-16-R-AL-0M5-SE	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-16-R-AL-01M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-16-R-AL-02M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

Recessed Aluminum Channel with Silicone Grip



(Dimensions: mm)

Tolerance: $\pm 0.2\text{mm}$ 

Note:

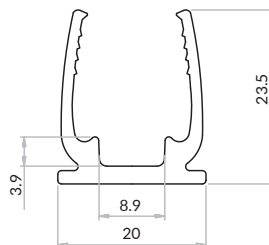
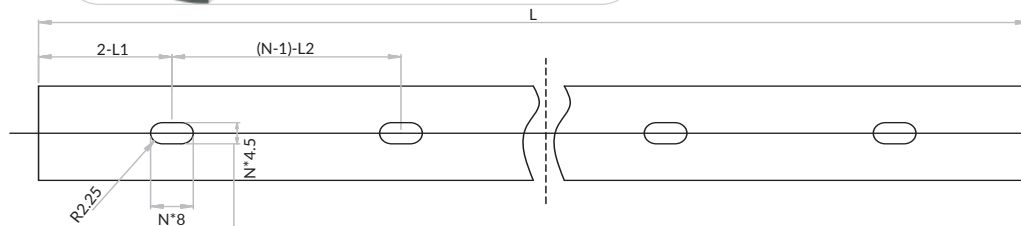
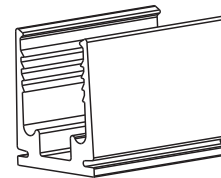
- 2-L1 refers to two of symmetric L1 in each piece of profile.
- (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
1.18 x 0.82in (30 x 20.8mm)	0.787in (20mm)	CL-16-R-RA-02C-SE	0.39in (10mm)	/	0.39x0.16in(10x4mm)	1
	19.69in (500mm)	CH-16-R-RA-0M5-SE	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-16-R-RA-01M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-16-R-RA-02M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

Transparent Reinforced Plastic Channel



(Dimensions: mm)

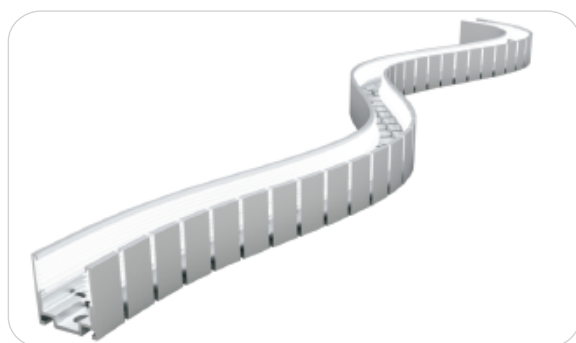
Tolerance: $\pm 0.3\text{mm}$ 

Note:

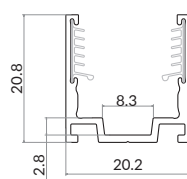
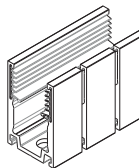
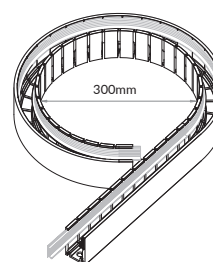
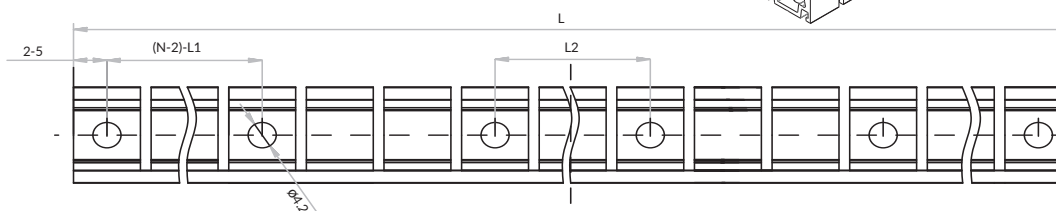
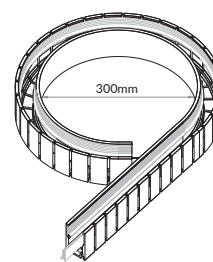
- 2-L1 refers to two of symmetric L1 in each piece of profile.
- (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.79 x 0.93in (20 x 23.5mm)	1.38in (35mm)	CL-16-R-TP-3C5-SD	0.69in (17.5mm)	/	0.31x0.18in(8x4.5mm)	1
	19.69in (500mm)	CH-16-R-TP-OM5-SD	1.97in (50mm)	7.87in (200mm)	0.31x0.18in(8x4.5mm)	3
	39.37in (1000mm)	CH-16-R-TP-01M-SD	3.94in (100mm)	7.87in (200mm)	0.31x0.18in(8x4.5mm)	5
	78.74in (2000mm)	CH-16-R-TP-02M-SD	3.94in (100mm)	7.87in (200mm)	0.31x0.18in(8x4.5mm)	10

Bendable Serrated Aluminum Channel



(Dimensions: mm)

Tolerance: $\pm 0.2\text{mm}$ Min Bending Diameter
(Toothed Side inwards)Min Bending Diameter
(Toothed Side outwards)

Note:

- 2-5 refers to two of symmetric 5mm in each piece of profile.
- (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 #
0.80 x 0.82in (20.2 x 20.8mm)	19.69in (500mm)	CH-16-F-AL-OM5-SE	4.59in (116.5mm)	0.92in (23.3mm)	\varnothing 0.17in(4.2mm)	6
	39.37in (1000mm)	CH-16-F-AL-01M-SE	4.59in (116.5mm)	2.29in (58.2mm)	\varnothing 0.17in(4.2mm)	10

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

