

VIVID

Wave

PIXEL - Single Color

SILICONE 24V



Version 1.1 | 05/03/2022

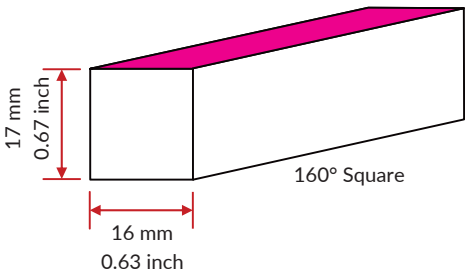
For More Information

Toll Free: 1 (888) 580-6366

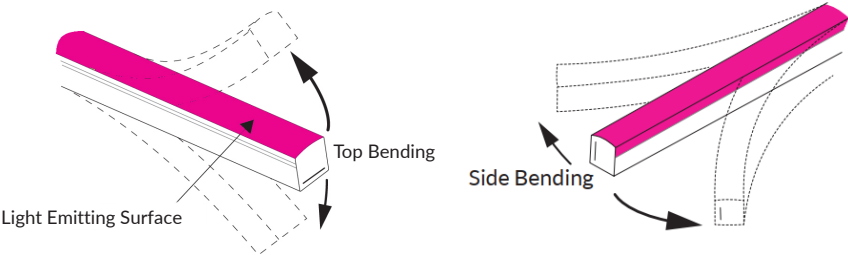


Light Dimension	0.63 x 0.67in (16x17mm)					
Output	Red/Green/Blue/Amber/White					
LED Light	SMD LED Chip					
Max Fixture Length						
With Single Power Feed	Full Load: 49.21ft(15m)		Dynamic Load: 65.6ft(20m)			
With Dual Power Feed	Full Load: 98.43ft(30m)		Dynamic Load: 131.2ft(40m)			
Light Surface	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	3.66W/ft (12W/m)					
Physical						
LED Count	26 LEDs/ft (84 LEDs/m)					
Cutting Unit Length	3.28in (83.3mm) (7LEDs)					
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 131°F (-40°C to 55°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	Top Bending		Side Bending	
Color	CCT/Wavelength	Color	Per Foot	Per Meter	Per Foot	Per Meter
Red	618-624nm	Red	46lm	150lm	40lm	130lm
Green	522-530nm	Green	134lm	440lm	110lm	360lm
Blue	468-474nm	Blue	30lm	100lm	27lm	90lm
Amber	588-594nm	Amber	46lm	150lm	40lm	130lm
2200K	2238 ± 66K	2200K	110lm	360lm	98lm	320lm
2700K	2725 ± 85K	2700K	134lm	440lm	122lm	400lm
3000K	3045 ± 105K	3000K	134lm	440lm	122lm	400lm
3500K	3465 ± 245K	3500K	134lm	440lm	122lm	400lm
4000K	3985 ± 150K	4000K	134lm	440lm	122lm	400lm
5700K	5669 ± 305K	5700K	134lm	440lm	122lm	400lm

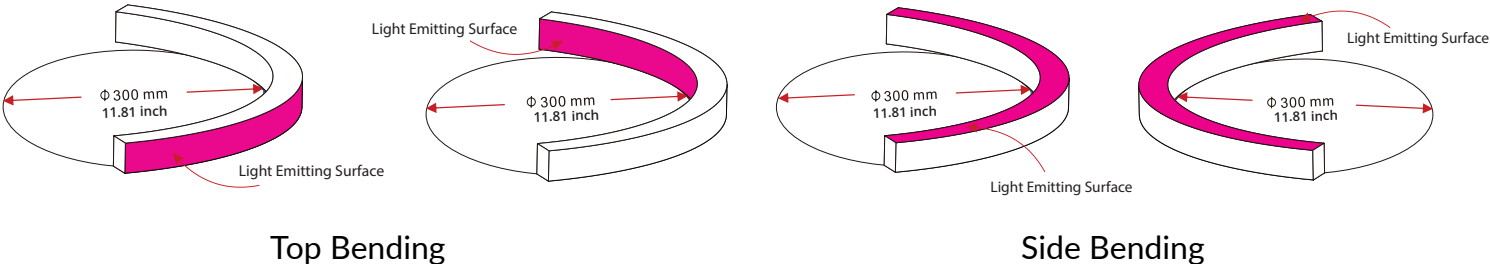
Light Profile



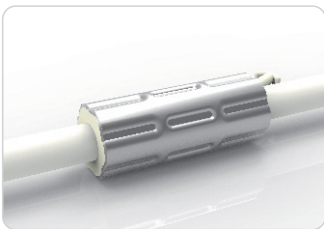
Bending Direction



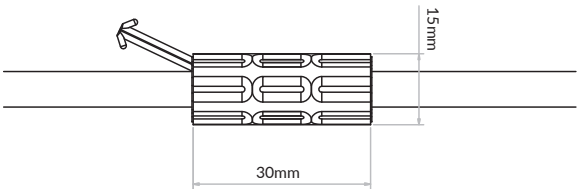
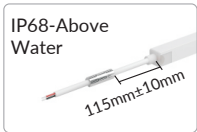
Minimum Bending Diameter



Lead Wire Accessories



Anti-Wicking Ferrule

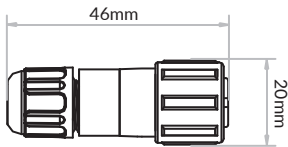


Cable Connectors

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

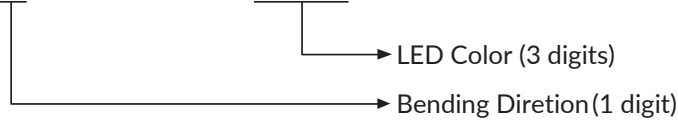
NA-XX-BN-XXA-CXX-F
NA-XX-BN-XXA-CXX-M

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



Fixtures

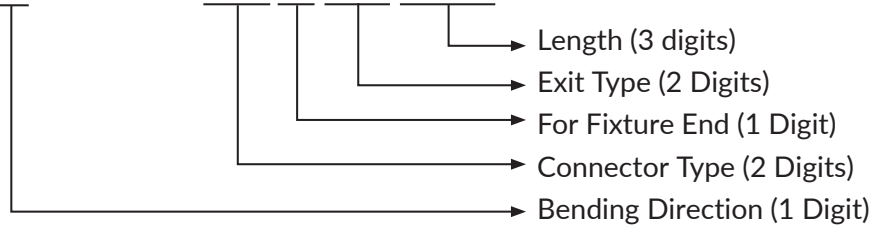
SF-16E-X-01-3W-E-XXX-24DC



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

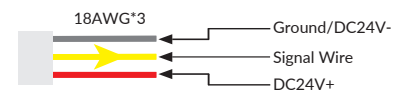
Lead Connector

FA-16E-X-00-3W-XX-X-XX-XXX-P

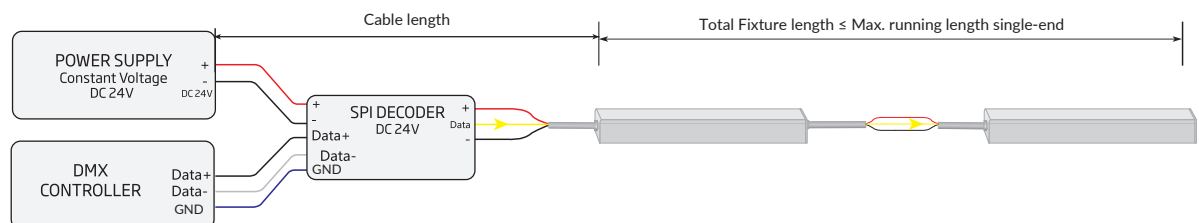


Bending Direction (1 Digit)	Connector Type (2 Digits)	For Fixture End (1 digit)	Exit Type (2 digits)	Length (3 digits)
0 - Top Bending	SE - Seamless	1 - Input side	EN - End	0M3 - 0.98ft (30cm)
1 - Side Bending	SC - Snap	2 - Output side	BO - Bottom	01M - 3.28ft (1m)
	CL - Click	0 - Jumpers/ Seamless Bottom/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

Wiring Diagram

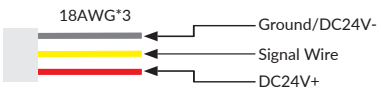


Single Power Feed: In Series/Daisy Chained



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



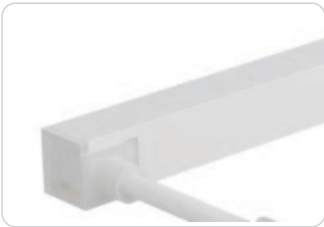
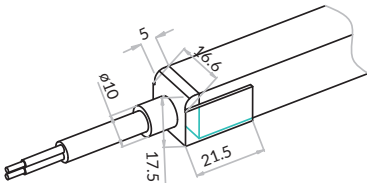


Seamless

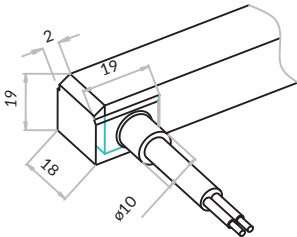


Seamless End Exit
FA-16E-X-00-3W-SE-0-EN-XXX-P

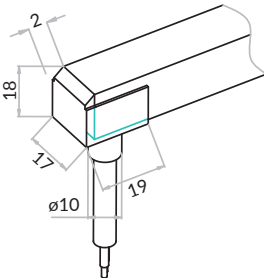
(Dimensions: mm)



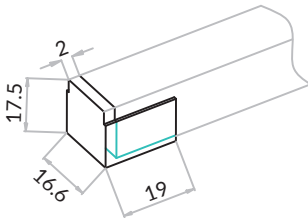
Seamless Side Exit
FA-16E-X-00-3W-SE-1-SL-XXX-P
FA-16E-X-00-3W-SE-2-SL-XXX-P
FA-16E-X-00-3W-SE-1-SR-XXX-P
FA-16E-X-00-3W-SE-2-SR-XXX-P



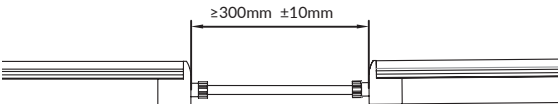
Seamless Bottom Exit
FA-16E-X-00-3W-SE-0-BO-XXX-P



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



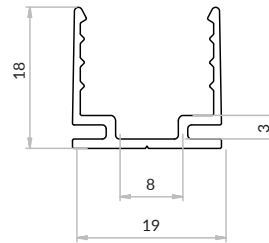
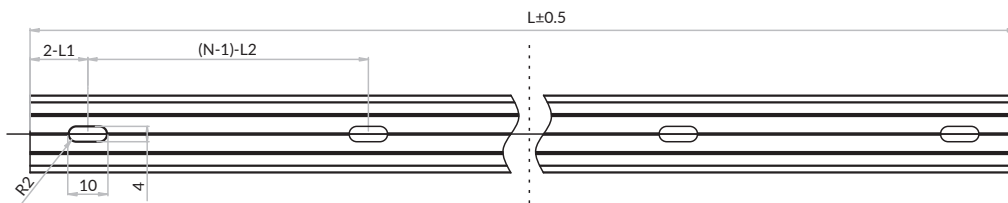
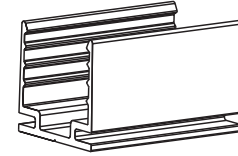
Seamless Jumper
FA-16E-X-00-3W-SE-0-XJ-XXX-P



Standard Aluminum Channel



(Dimensions: mm)

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

Note:

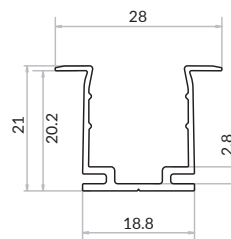
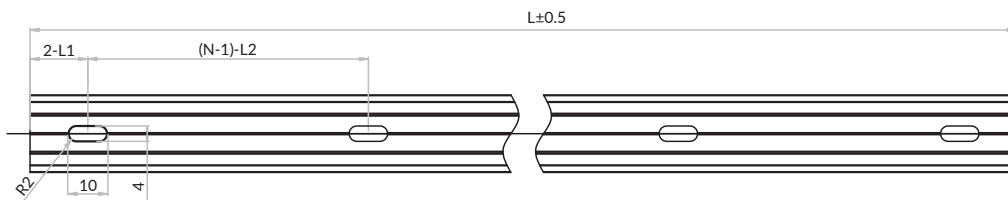
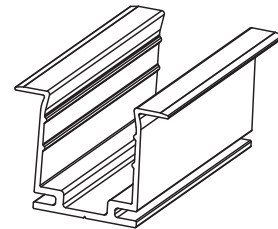
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

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:

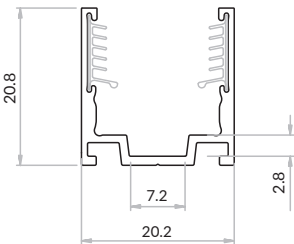
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

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

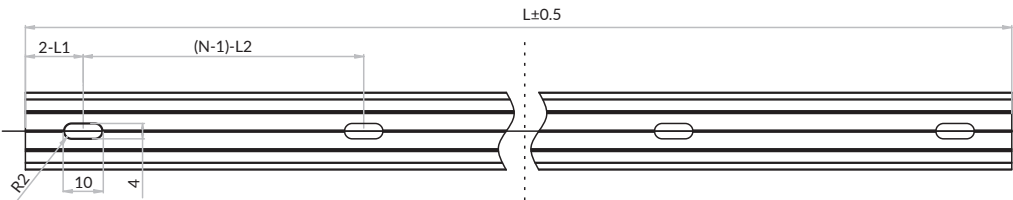
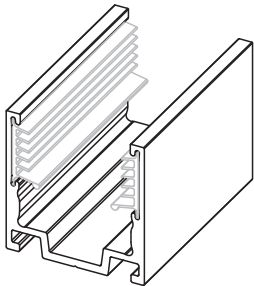
Standard Aluminum Channel with Silicone Grip



(Dimensions: mm)



Tolerance: ±0.2mm



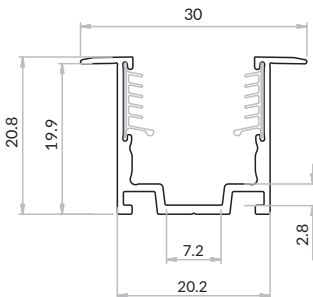
- Note:
- 2-L1 refers to two of symmetric L1 in each piece of profile.
 - (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

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

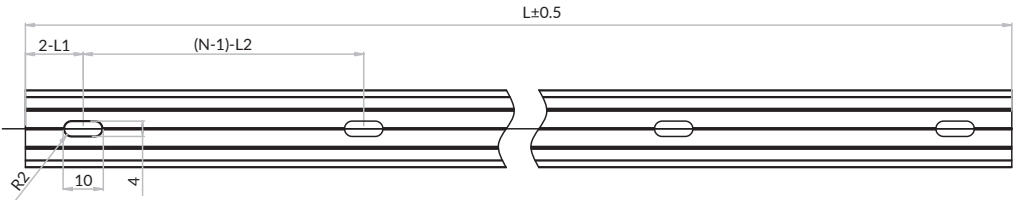
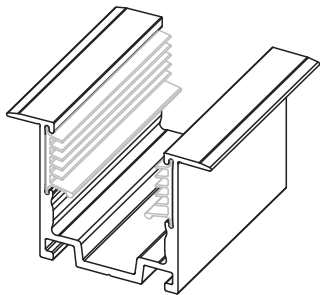
Recessed Aluminum Channel with Silicone Grip



(Dimensions: mm)



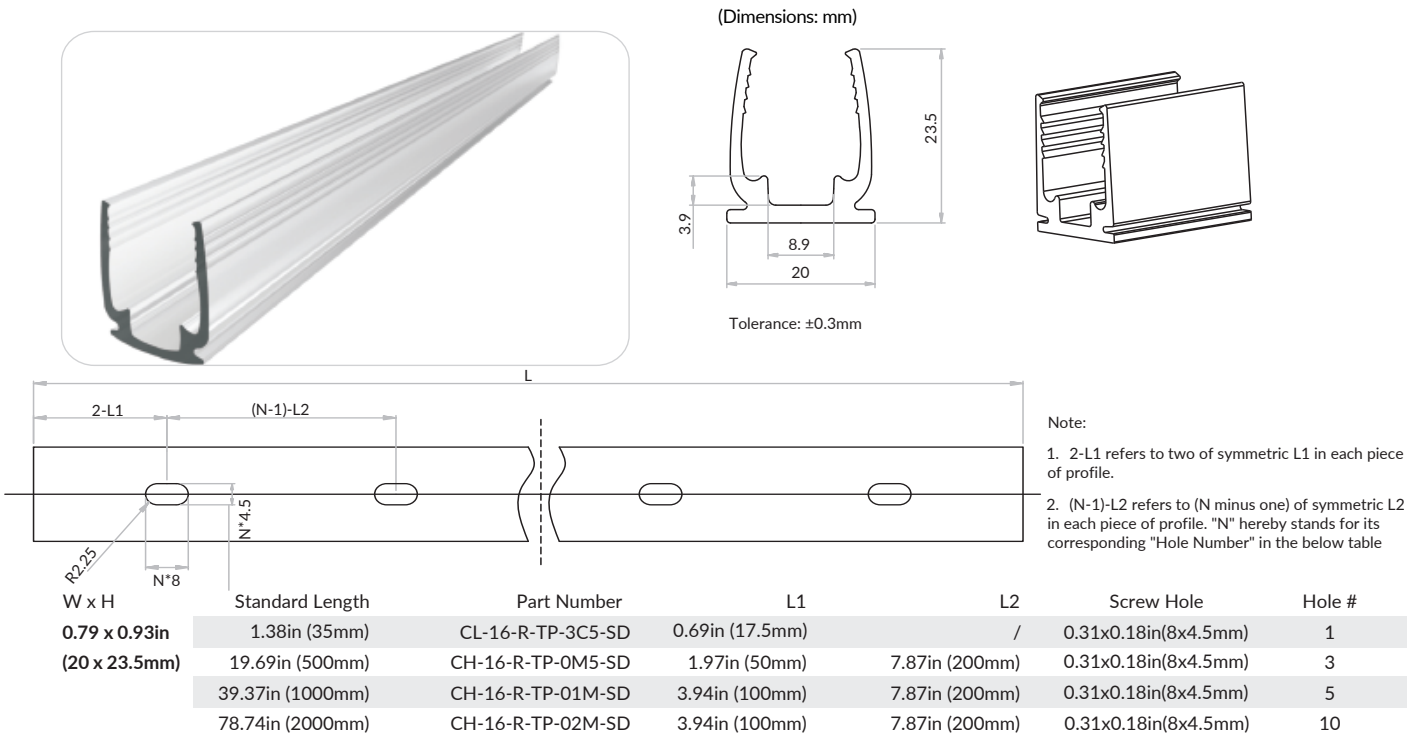
Tolerance: ±0.2mm



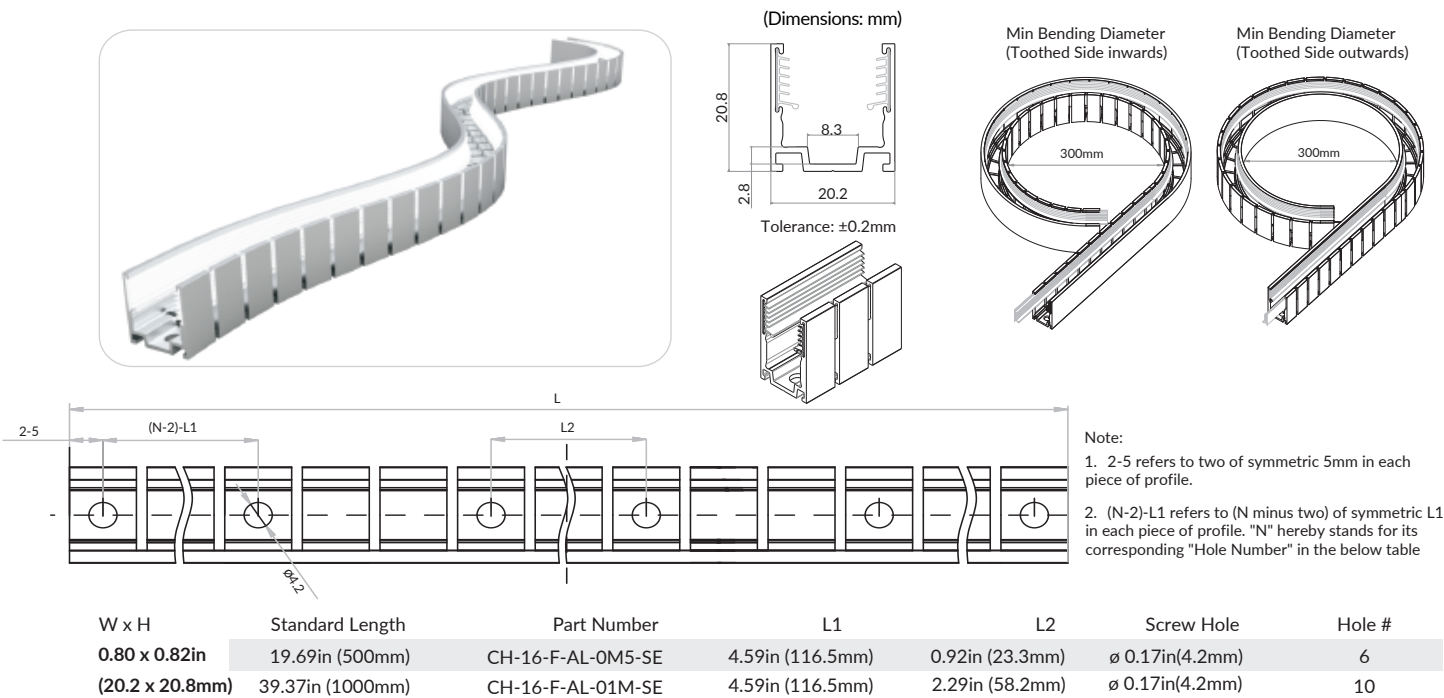
- Note:
- 2-L1 refers to two of symmetric L1 in each piece of profile.
 - (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

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



Bendable Serrated Aluminum Channel



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