



LED Neon
FLEX



VIVID

WAVE

DYNAMIC WHITE

SILICONE 24V



Version 2.1 | 12/21/2021

For More Information

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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

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of 9

Light Dimension	0.63 x 0.67in (16x17mm)	
Output	Dynamic White	
LED Light	SMD LED Chip	
Max Run Length	*GLLS does not recommend exceeding a max. run length per fixture of 65.62ft(20m) for handling capabilities.	
Single Feed	Full Load: 49.2ft (15m)	Dynamic Load: 98.4ft (30m)
Double Feed	Full Load: 98.4ft (30m)	Dynamic Load: 196.8ft (60m)
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	43 LEDs/ft (144 LEDs/m)	
Cutting Unit Length	3.28in (83.3mm) (12 LEDs)	
Thermal Management	Free air convection	
Fixture Connections	End, side & bottom lead wires	
Minimum Bend Diameter	11.81in (300mm) (Top & 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	
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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	CCT
2200K	2238 ± 66K
5700K	5669 ± 305K

Lumen Count

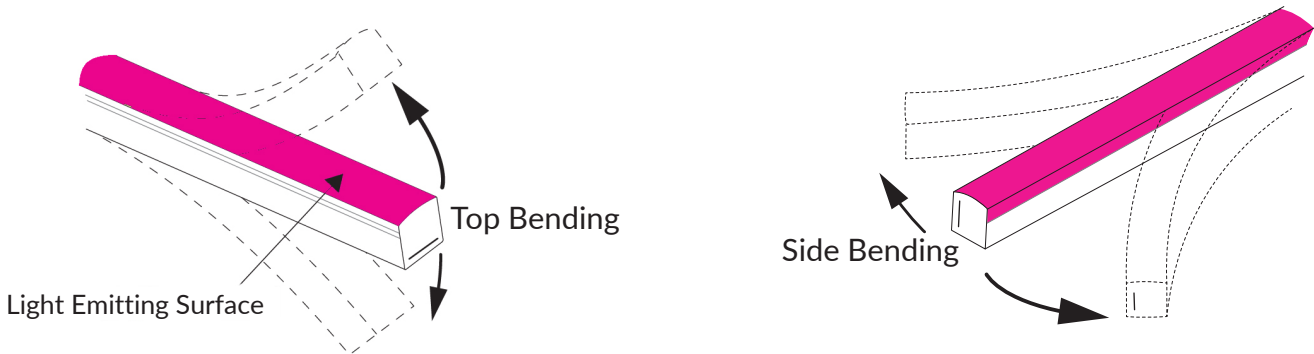
Color	Per Foot	Per Meter
2200K	67lm	220lm
5700K	82lm	270lm

Top & Side Bending

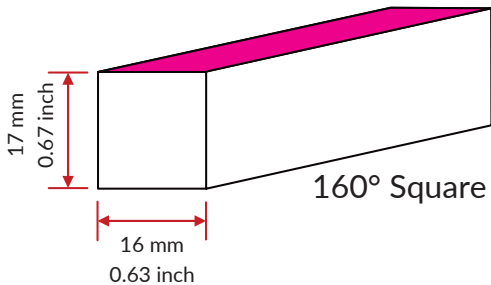
*Dynamic White products use a PWM signal which allows you to control the color temperature from 2200K to 5700K.

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

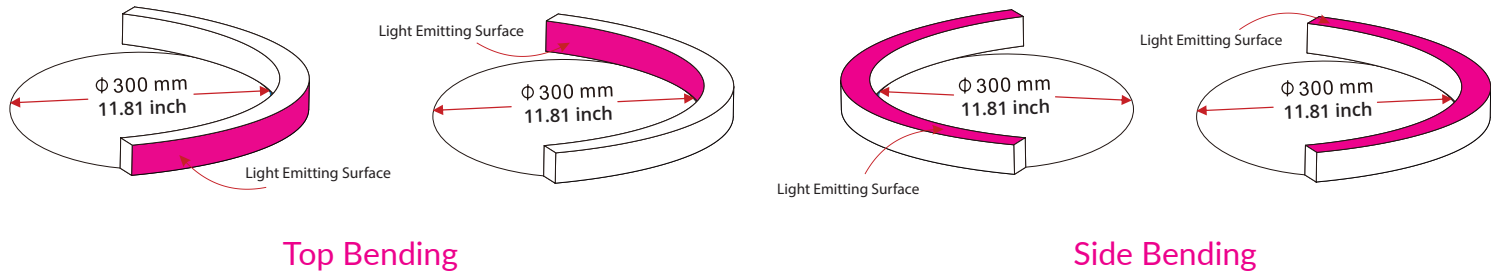
Bending Direction



Light Profile



Minimum Bending Diameter



Fixtures

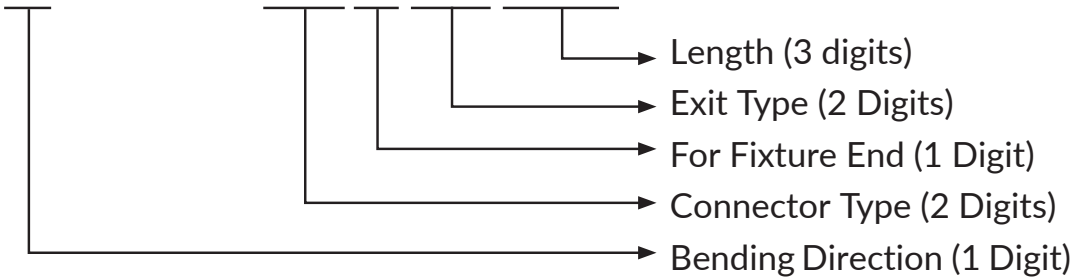
SF-16E-X- 01-3W-E-DWH-24DV



Bending Direction
0 - Top Bending
1 - Side Bending

Lead Connector

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

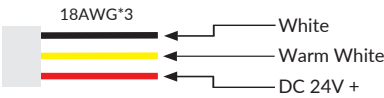


Bending Direction (1 Digit)	Connector Type (2 Digits)	For Fixture End (1 digit)	Exit Type (2 digits)	Length (3 digits)
0 - Top Bending	SC - Snap	1 - Input side	EN - End	0M3 - 0.98ft (30cm)
1 - Side Bending	SE - Seamless	2 - Output side	BO - Bottom	01M - 3.28ft (1m)
		0 - Jumpers/T-Feeds/ Seamless Bottom/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



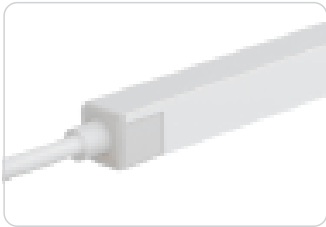
For full part number naming rules, please refer to the document on <https://www.glls.com/documentation/>

IP68: Submersible. Factory Assembly only.

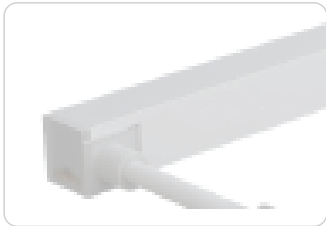
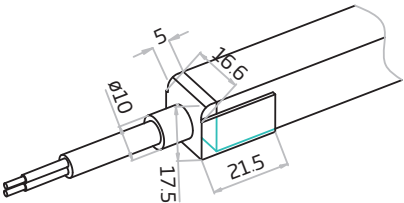


(Dimensions: mm)

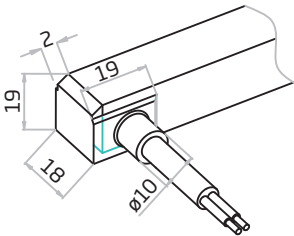
Seamless



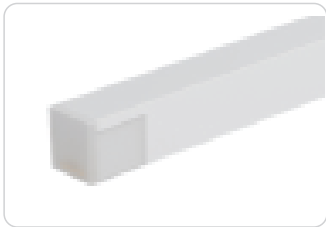
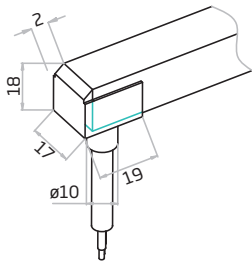
Seamless End Exit
FA-16E-X-00-3W-SE-0-EN-XXX-S



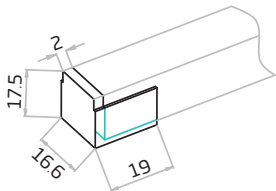
Seamless Side Exit
FA-16E-X-00-3W-SE-1-SR-XXX-S
FA-16E-X-00-3W-SE-2-SL-XXX-S



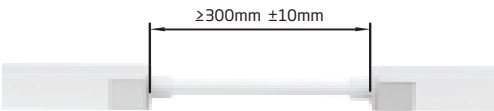
Seamless Bottom Exit
FA-16E-X-00-3W-SE-0-BO-XXX-S



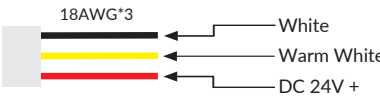
Seamless End Cap
FA-16E-1-00-0W-SE-1-EC-000-P
FA-16E-1-00-0W-SE-2-EC-000-P



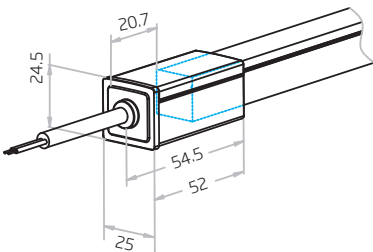
Seamless Jumper
FA-16E-X-00-3W-SE-0-EJ-0M3-S
FA-16E-X-00-3W-SE-0-BJ-0M3-S



IP67: Wet environments. DIY connectors



(Dimensions: mm)



*Snap connectors are available in End, Side, Bottom, End Cap, and Jumpers. Please see more info at <https://www.glls.com/documentation/>

Snap



Snap Connectors
NA-16E-X-00-3W-SC-X-XX-XXX-S

Male & Female Connectors

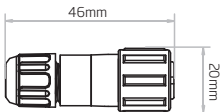
IP67: Plug and play. Outdoor Rated.



Male & Female Connectors
NA-3W-PL-10A-C60-F
NA-3W-PL-10A-C60-M

NA-3W-SL-10A-C60-F
NA-3W-SL-10A-C60-M

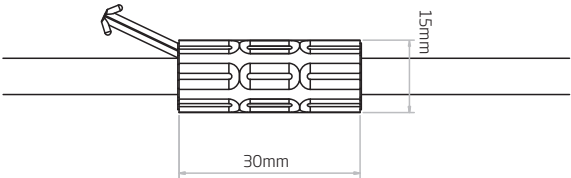
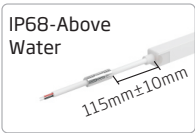
NA-3W-LW-SC-C60-F
NA-3W-LW-SC-C60-M



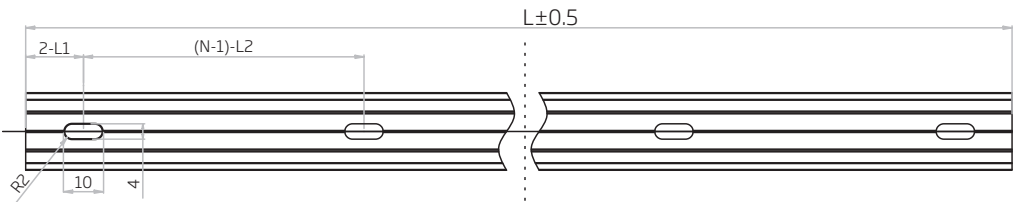
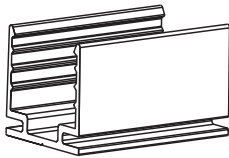
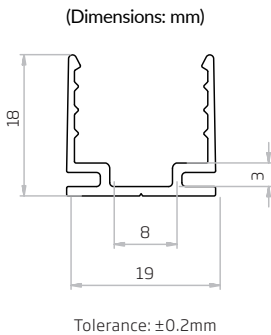
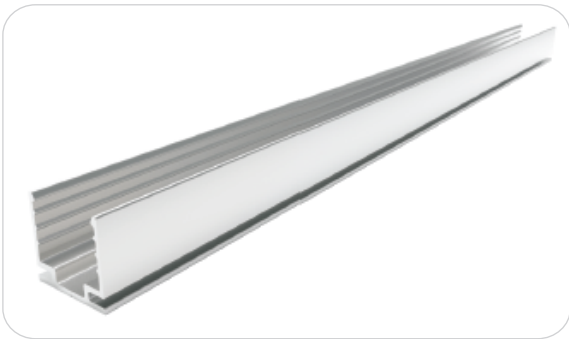
Anti-Wicking Ferrule



Anti-wicking Ferrule



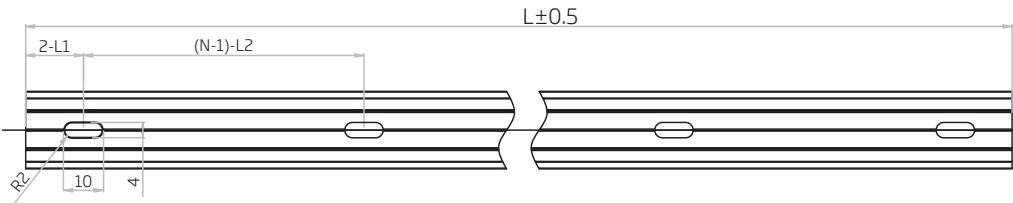
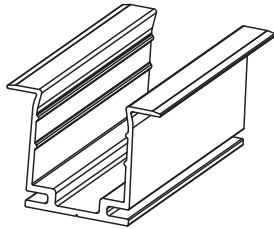
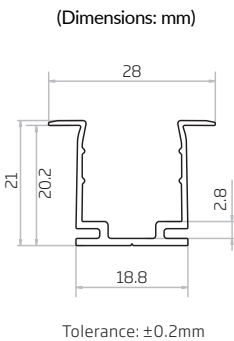
Standard Aluminum Channel



- 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

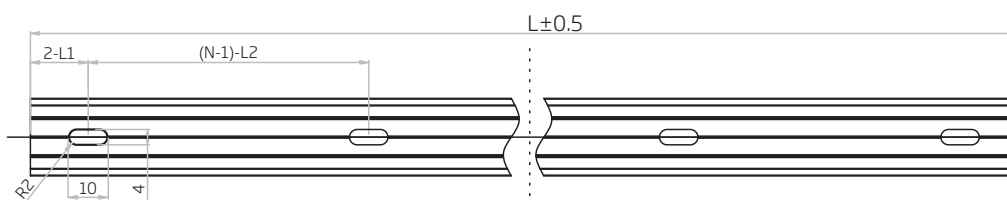
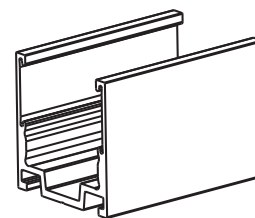
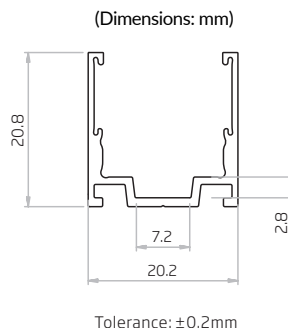
Recessed Aluminum Channel



- 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

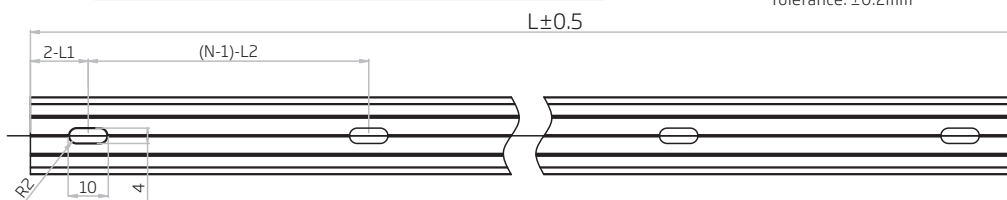
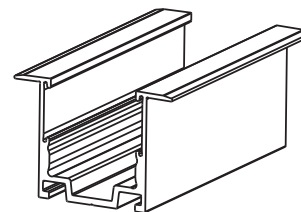
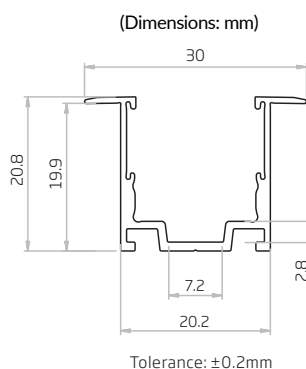


Note:

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 #
0.80 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

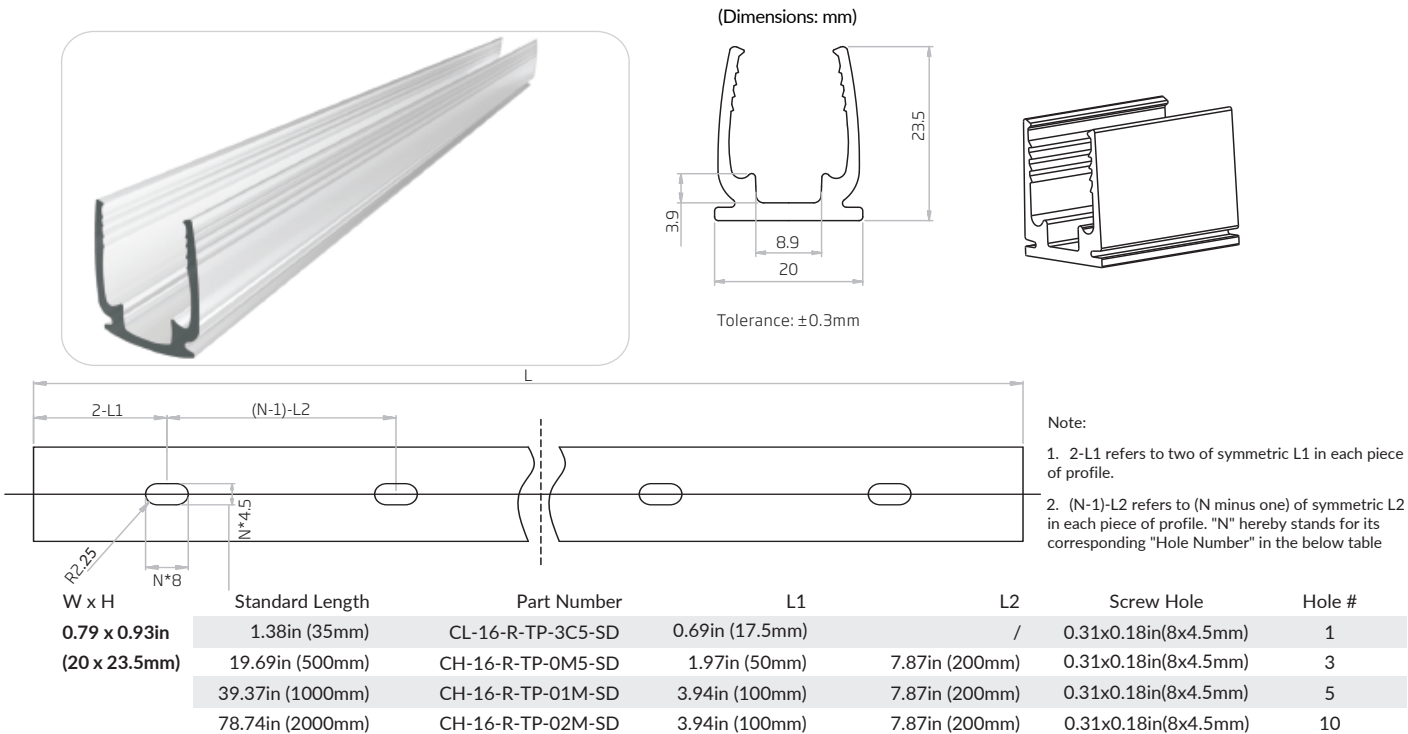


Note:

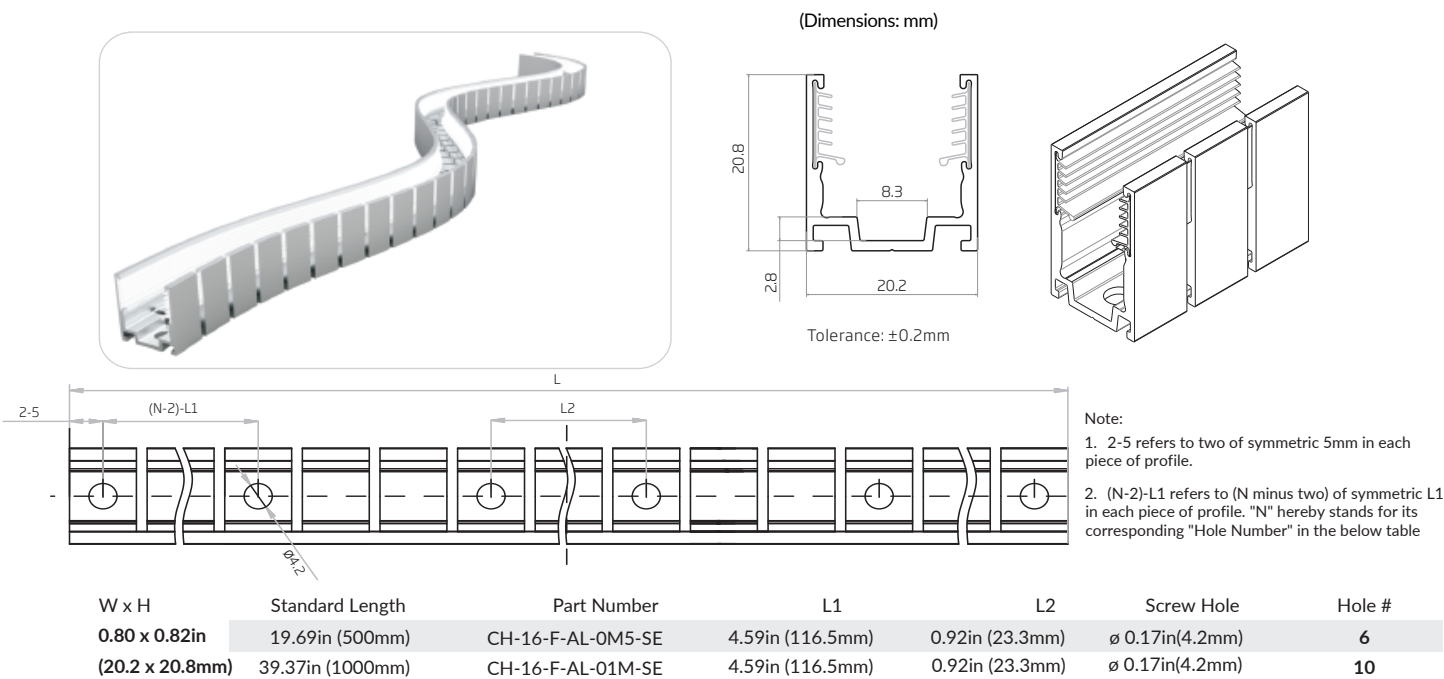
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
1.18 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/>

