

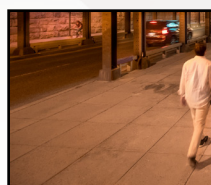
VIVID S 270 PIXEL - Single Color SILICONE 24V



Version 1.0 | 04/26/2022

For More Information

Toll Free: 1 (888) 580-6366



Light Dimension	0.45 x 1.14in (11.5x29mm)		
Output	Red/Green/Blue/Amber/White		
LED Light	SMD LED Chip		
Max Fixture Length			
With Single Power Feed	Full Load: 32.8ft (10m)	Dynamic Load: 49.21ft (15m)	
With Dual Power Feed	Full Load: 65.62ft (20m)	Dynamic Load: 98.43ft (30m)	
Light Surface	Round profile 270°		
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	17 LEDs/ft (56 LEDs/m)		
Cutting Unit Length	4.92in (125mm) (7LEDs)		
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 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

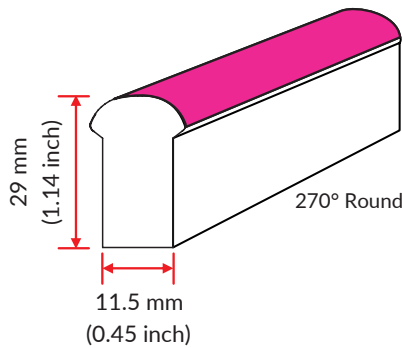
Color	CCT/Wavelength
Red	618-624nm
Green	522-528nm
Blue	468-474nm
Amber	588-594nm
2200K	2238 ± 102K
2700K	2725 ± 145K
3000K	3045 ± 175K
3500K	3465 ± 245K
4000K	3985 ± 275K
5700K	5669 ± 355K

Lumen Count

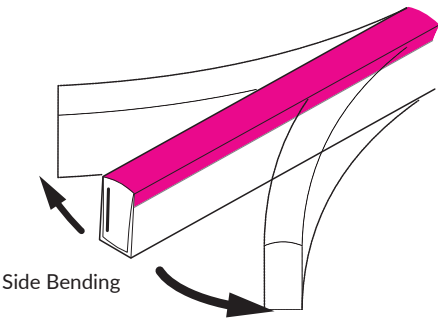
Color	Per Foot	Per Meter
Red	43lm	140lm
Green	113lm	370lm
Blue	24lm	80lm
Amber	43lm	140lm
2200K	116lm	380lm
2700K	143lm	470lm
3000K	143lm	470lm
3500K	143lm	470lm
4000K	143lm	470lm
5700K	143lm	470lm

Side Bending

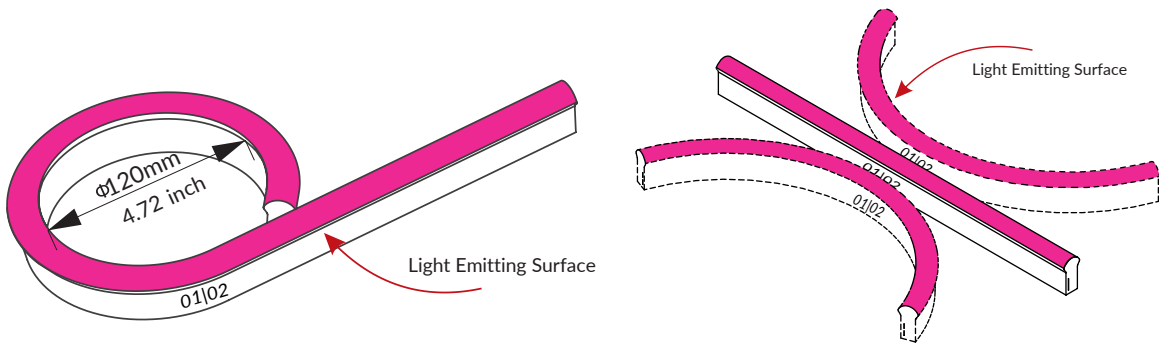
Light Profile



Bending Direction



Minimum Bending Diameter



Fixtures

SF-11D-1-01-3W-E-XXX-24DC

LED Color (3 digits)

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

Lead Connector

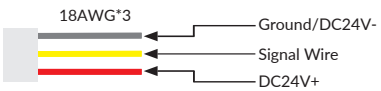
FA-11D-1-01-3W-SE-X-XX-XXX-S

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

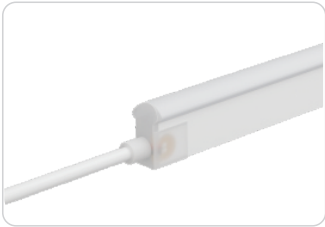
For Fixture End (1 digit)	Exit Type (2 digits)	Length (3 digits)
1 - Input side	EN - End	0M3 - 0.98ft (30cm)
2 - Output side	BO - Bottom	01M - 3.28ft (1m)
0 - Jumpers/ Seamless Bottom/ Seamless End	SL - Side left	03M - 9.84ft (3m)
	SR - Side right	05M - 16.4ft (5m)
	EJ - End jumper	10M - 32.81ft (10m)
	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/>

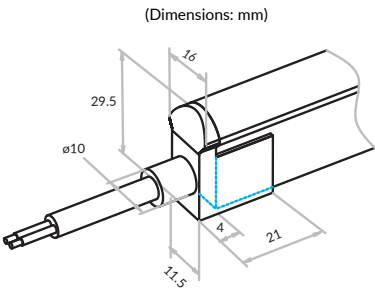




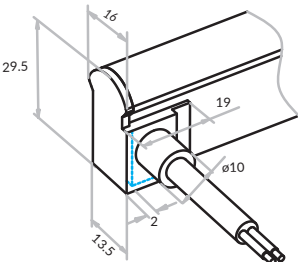
Seamless



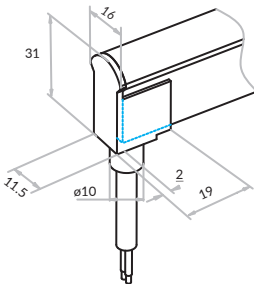
Seamless End Exit
FA-11D-1-01-3W-SE-0-EN-XXX-S



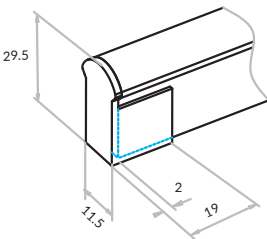
Seamless Side Exit
FA-11D-1-01-3W-SE-1-SR-XXX-S
FA-11D-1-01-3W-SE-2-SL-XXX-S



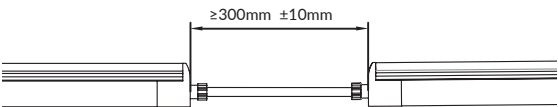
Seamless Bottom Exit
FA-11D-1-01-3W-SE-0-BO-XXX-S



Seamless End Cap
FA-11D-1-01-0W-SE-1-EC-000-P
FA-11D-1-01-0W-SE-2-EC-000-P



Seamless Jumper
FA-11D-1-01-3W-SE-0-EJ-XXX-S



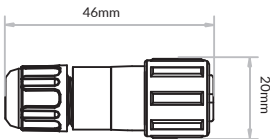
Cable Connectors



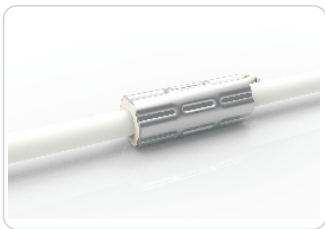
Cable Connectors
NA-XX-BC-DC-CXX-F
NA-XX-BC-DC-CXX-M

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

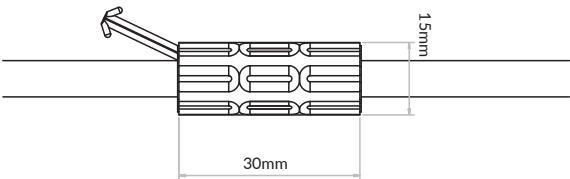
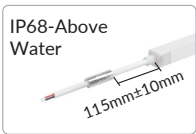
NA-XX-PL-XXA-CXX-F
NA-XX-PL-XXA-CXX-M



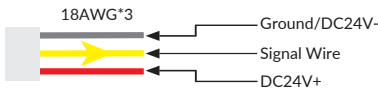
Anti-Wicking Ferrule



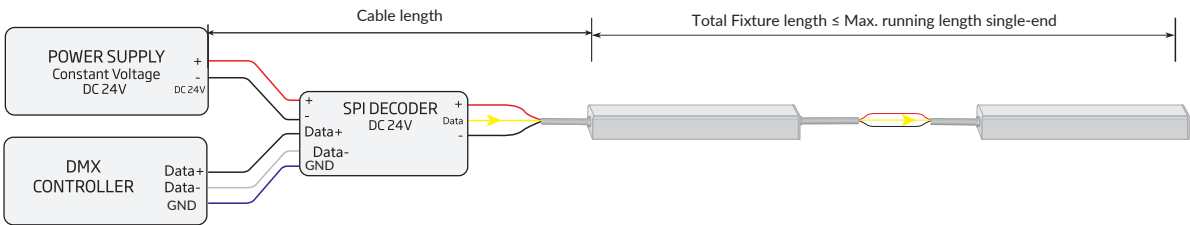
Anti-wicking Ferrule



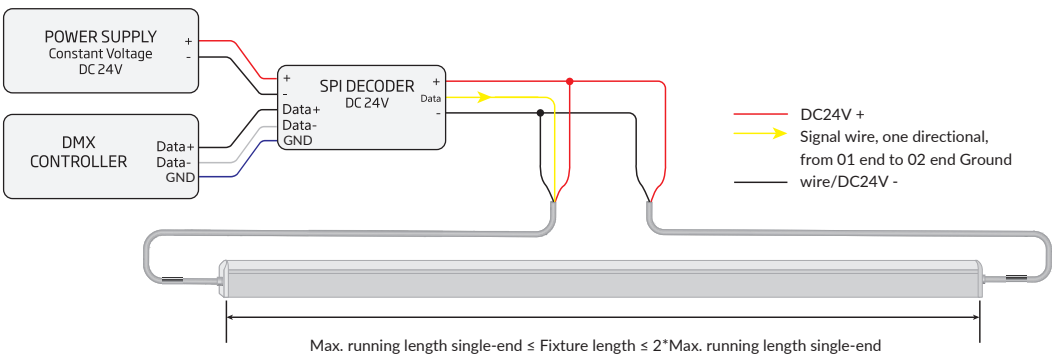
Wiring Diagram



Single Power Feed: In Series/Daisy Chained



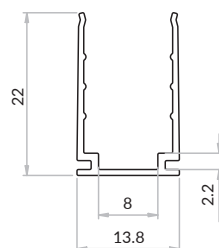
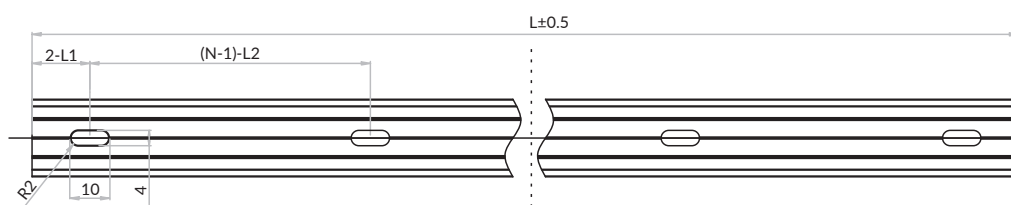
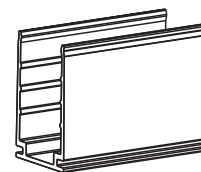
Double Power Feed



Standard Aluminum Channel



(Dimensions: mm)

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

Note:

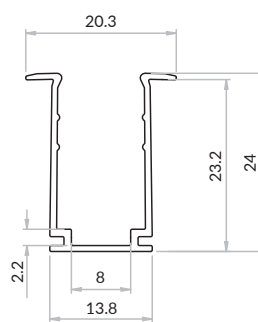
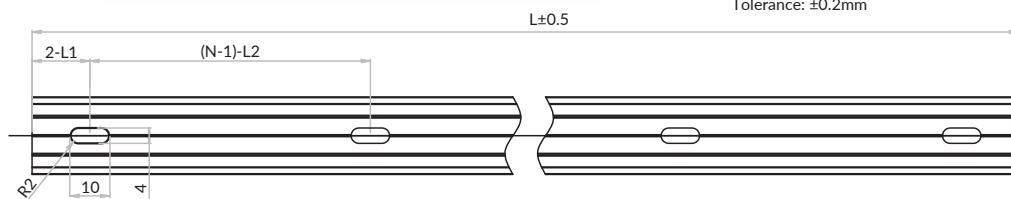
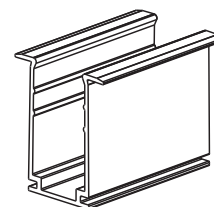
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.54 x 0.87in (13.8 x 22mm)	1.38in (35mm)	CL-11-R-AL-3C5-SD	0.69in (17.5mm)	/	0.39x0.16in(10x4mm)	1
	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)

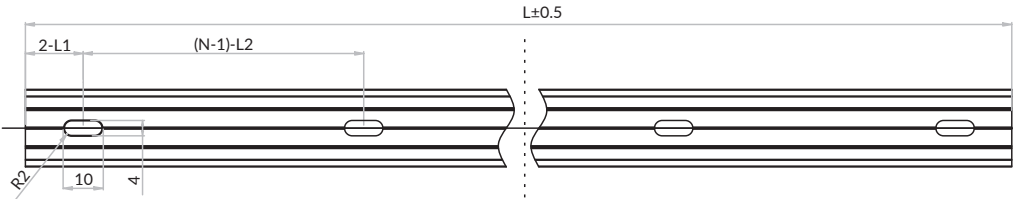
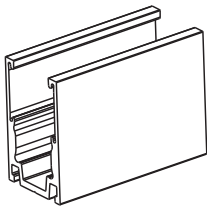
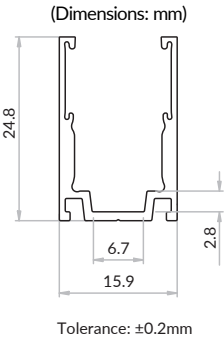
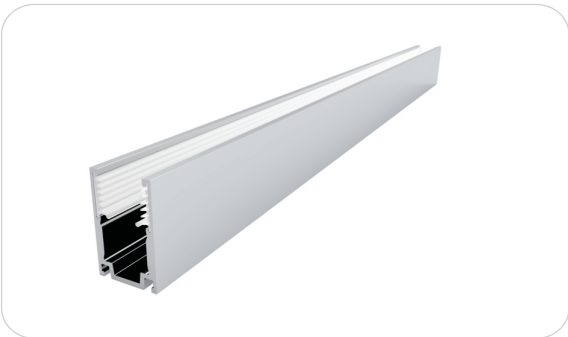
Tolerance: $\pm 0.2\text{mm}$ 

Note:

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Standard Aluminum Channel with Silicone Grip



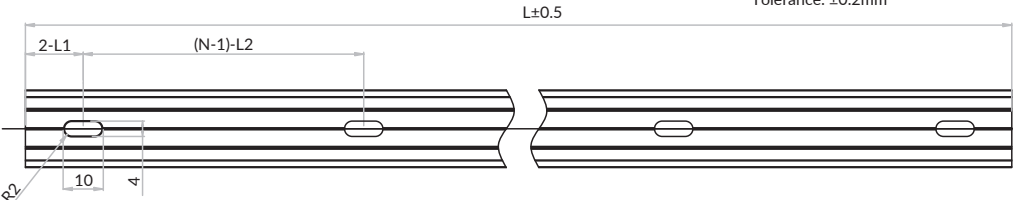
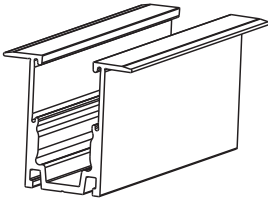
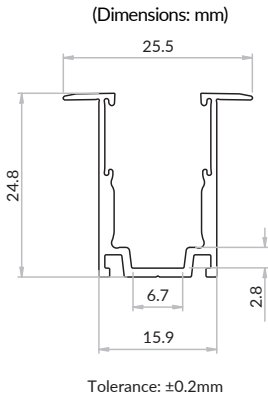
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W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.63 x 0.98in (15.9 x 24.8mm)	1.38in (35mm)	CL-11-R-AL-02C-SE	0.39in (10mm)	/	0.39x0.16in(10x4mm)	1
	19.69in (500mm)	CH-11-R-AL-0M5-SE	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (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



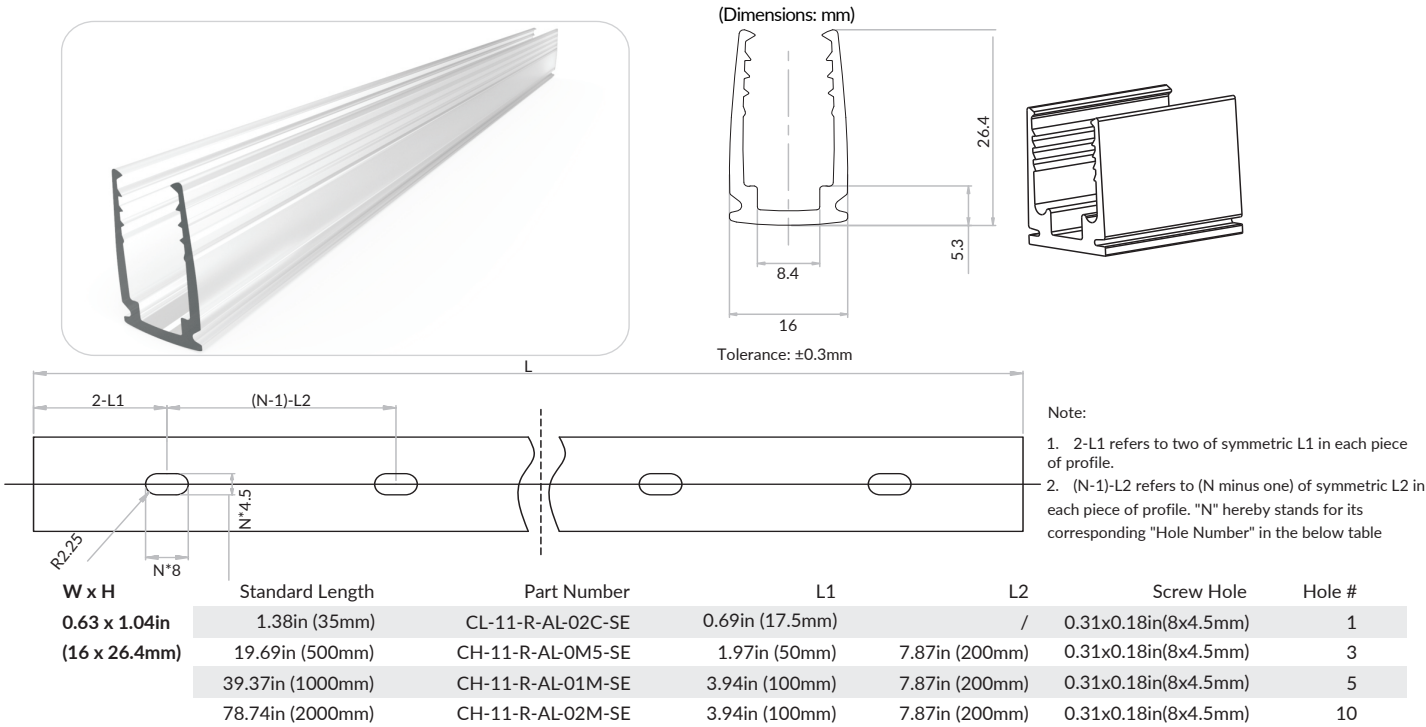
Note:

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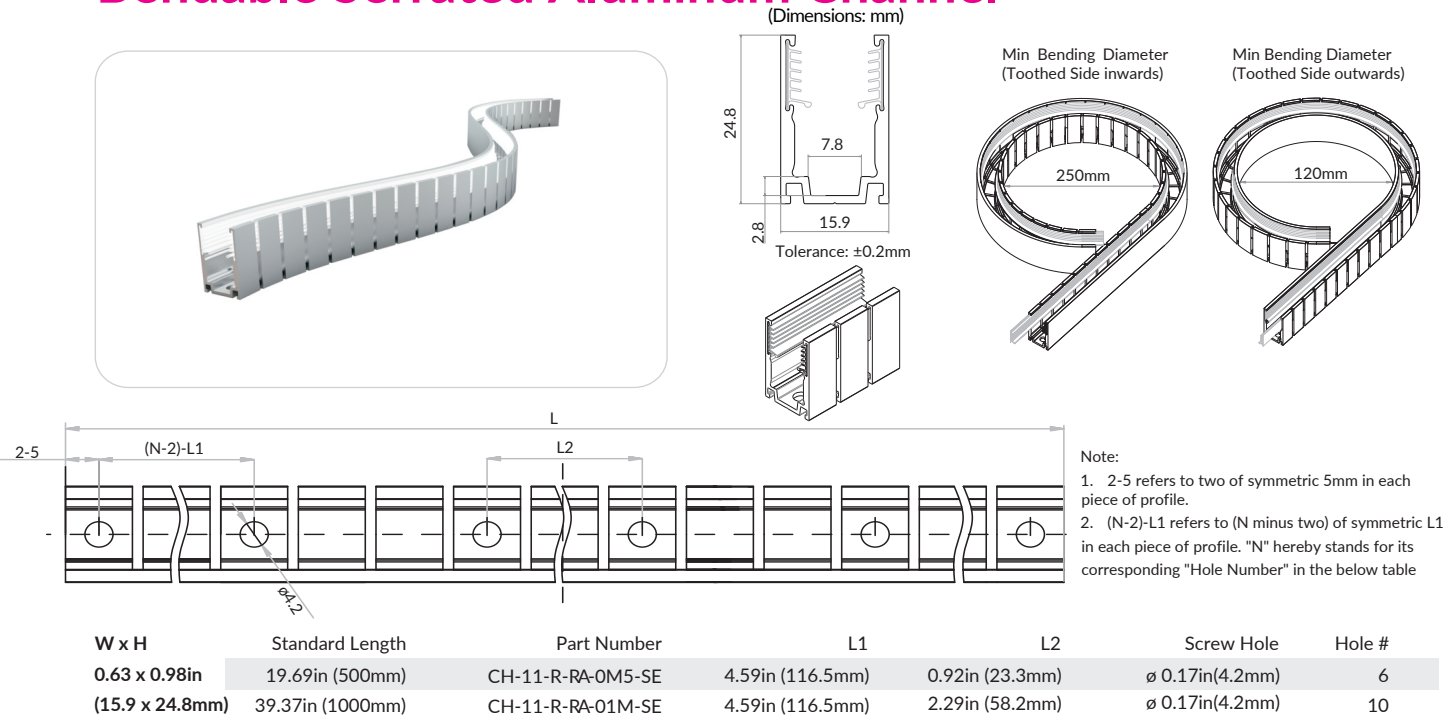
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Transparent Reinforced Plastic Channel



Bendable Serrated Aluminum Channel



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