



Version 6.0 | 2022

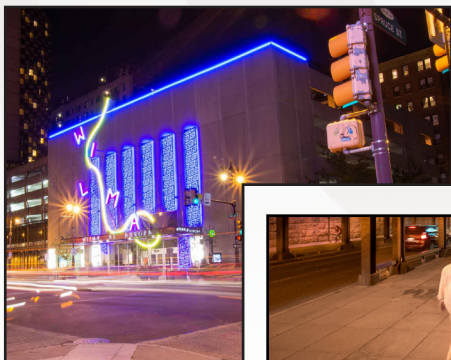
# VIVID S 270 *Dynamic White* PVC 24V



**For More Information**

Call: 1 (888) 580-6366

Visit: [glls.com/contact-us](http://glls.com/contact-us)



Light Dimension	0.45 x 1.14in (11.5x29mm)	
Output	DW (22~57K)	
LED Light	SMD LED Chip	
Max Run Length		
Single Feed	Full Load: 32.8ft (10m)	Dynamic Load: 65.6ft (20m)
Double Feed	Full Load: 65.6ft (20m)	Dynamic Load: 131.2ft (40m)
Light Surface	Round profile 270°	
Lumen Maintenance	53,000 Hours L70 @ 25°C 50,000 Hours L70 @ 45°C	

### Electrical

Input Voltage	24V DC	
Power Consumption	3.66W/ft (12W/m)	

### Physical

LED Count	44 LEDs/ft (144 LEDs/m)	
Cutting Unit Length	3.28in (83.3mm) (6+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	32°F to 113°F (0°C to 45°C)	
Operating	-4°F to 113°F (-20°C to 45°C)	
Max. Surface	140°F (60°C)	
Humidity	0-95% non condensing	

### Dependability

Warranty	5 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.		

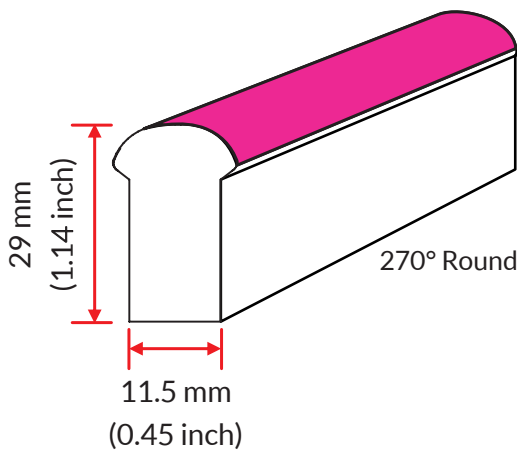
### Optical Parameters

#### Available Colors

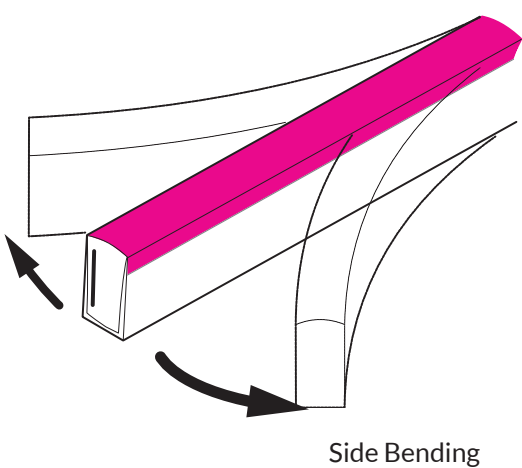
Color	Wavelength/CCT	Lumen Count	Side Bending	
		Color	Per Foot	Per Meter
2200K	2238 ± 102K	2200K	40lm	130lm
5700K	5669 ± 355K	5700K	40lm	130lm

								
Beam Angle	Bending Diameter	Flame Resistant	UV Resistant	Solvents Resistant	Saltwater Resistant	IP68 Protection	IK08 Protection	5 Year Warranty

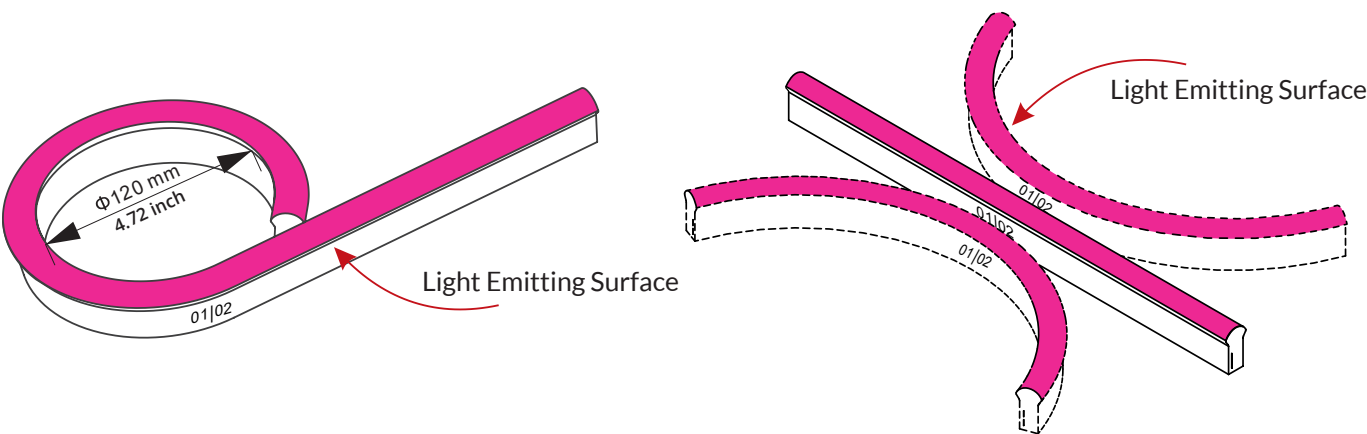
Light Profile



Bending Direction



Minimum Bending Diameter



Fixtures

NF-11D-1- 01-3W-**X**-DWH-24DV

LED Type (1 digit)

LED Type (1 digit)
<b>E</b> - Epistar (22~57K)
<b>N</b> - Nichia (25~50K)

Lead Connector

NA-11D-1-01-3W-**XX-X-XX-XXX-S**

Length (3 digits)

Exit Type (2 Digits)

For Fixture End (1 Digit)

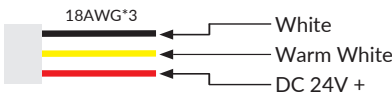
Connector Type (2 Digits)

Connector Type (2 Digits)	For Fixture End (1 digit)	Exit Type (2 digits)	Length (3 digits)
<b>SC</b> - Snap (IP67)	<b>1</b> - Input side	<b>EN</b> - End	<b>0M3</b> - 0.98ft (0.3m)
<b>SE</b> - Seamless (IP67)	<b>2</b> - Output side	<b>BO</b> - Bottom	<b>01M</b> - 3.28ft (1m)
<b>SV</b> - Swivel (IP20)	<b>0</b> - Jumpers/T-Feeds/ Seamless (or Submersible) Bottom/ Seamless (or Submersible) End	<b>SL</b> - Side left	<b>03M</b> - 9.84ft (3m)
<b>SU</b> - Submersible (IP68)		<b>SR</b> - Side right	<b>05M</b> - 16ft (5m)
		<b>EJ</b> - End jumper	<b>10M</b> - 32.81ft (10m)
		<b>BJ</b> - Bottom jumper	<b>000</b> - For End Cap
		<b>SJ</b> - Side jumper	
		<b>EC</b> - End Cap	



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

IP67: Factory Assembly only.

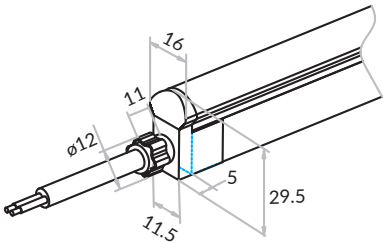


(Dimensions: mm)

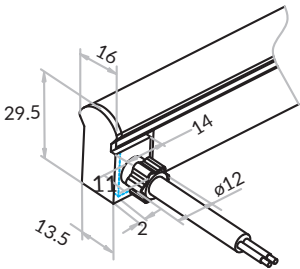
Seamless



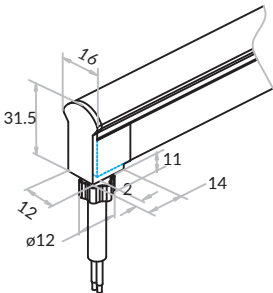
Seamless End Exit  
NA-11D-1-01-3W-SE-0-EN-XXX-S



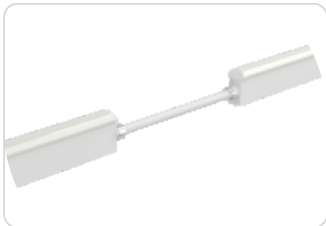
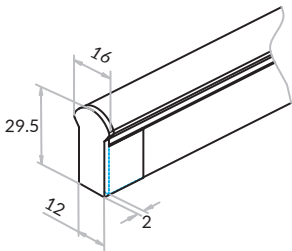
Seamless Side Exit  
NA-11D-1-01-3W-SE-1-SR-XXX-S  
NA-11D-1-01-3W-SE-2-SL-XXX-S



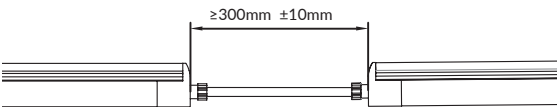
Seamless Bottom Exit  
NA-11D-1-01-3W-SE-0-BO-XXX-S



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



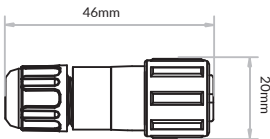
Seamless Jumper  
NA-11D-1-01-3W-SE-0-EJ-XXX-S



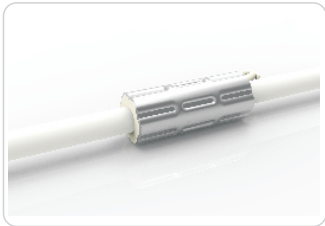
Cable Connectors



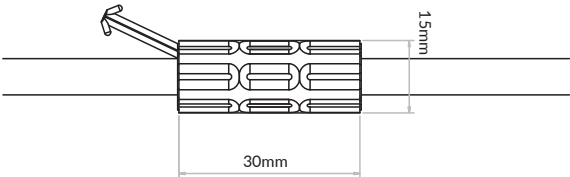
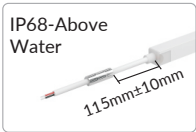
**Cable Connectors**  
NA-XX-BC-DC-CXX-F  
NA-XX-BC-DC-CXX-M  
  
NA-XX-BN-XXA-CXX-F  
NA-XX-BN-XXA-CXX-M  
  
NA-XX-PL-XXA-CXX-F  
NA-XX-PL-XXA-CXX-M



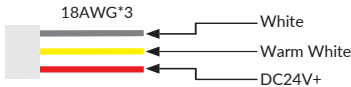
Anti-Wicking Ferrule



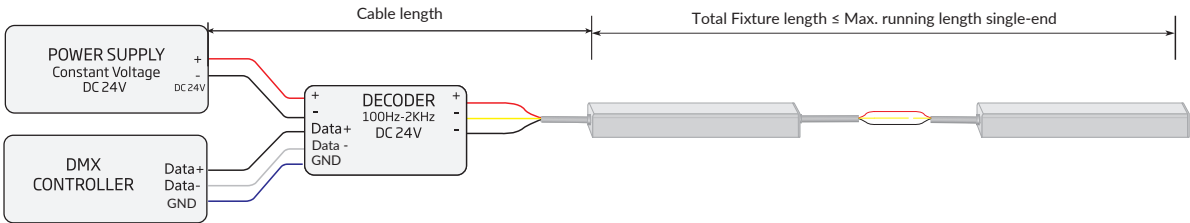
**Anti-wicking Ferrule**



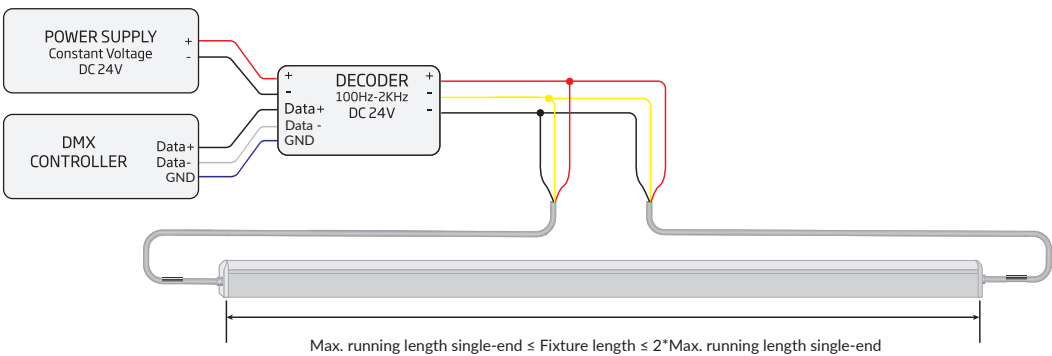
Wiring Diagram



Single Power Feed: In Series/Daisy Chained

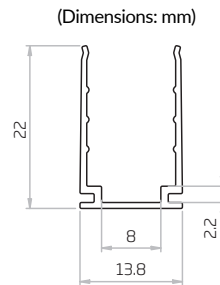
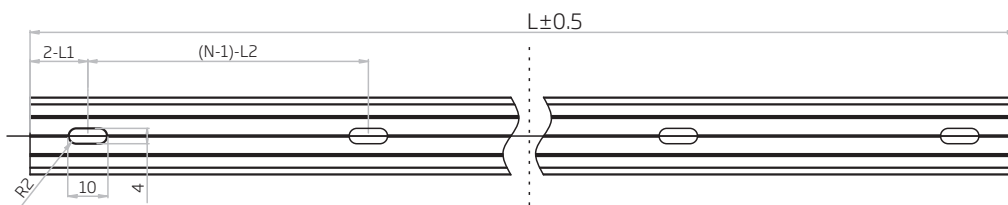
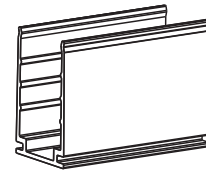


Double Power Feed





## Standard Aluminum Channel

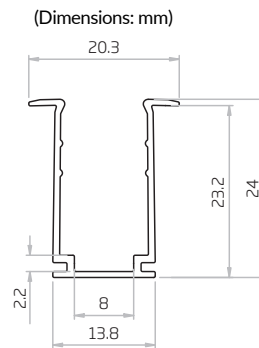
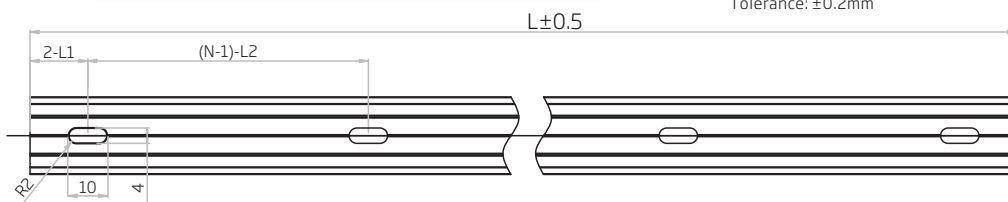
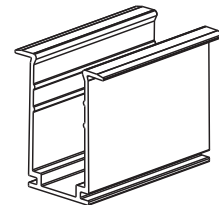
Tolerance:  $\pm 0.2\text{mm}$ 

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 #
0.54 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

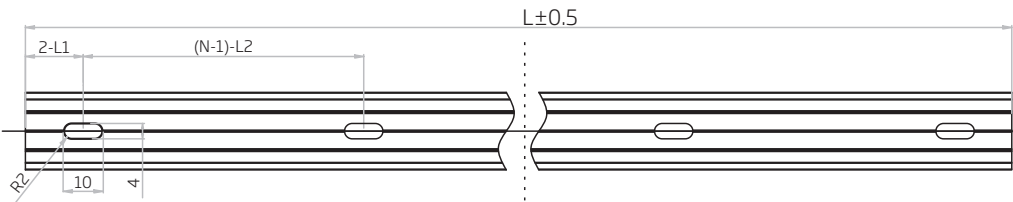
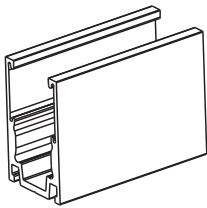
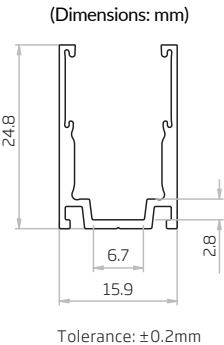
Tolerance:  $\pm 0.2\text{mm}$ 

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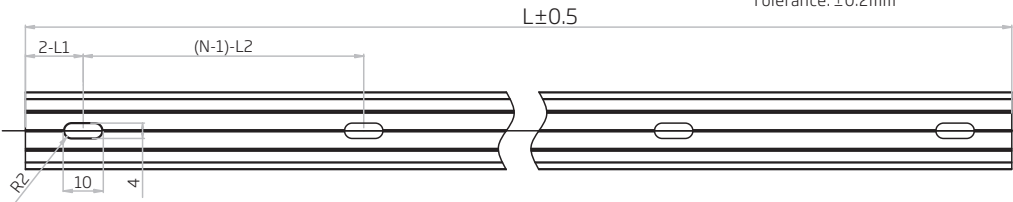
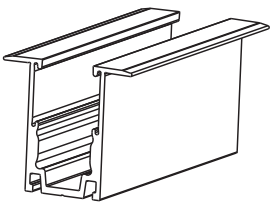
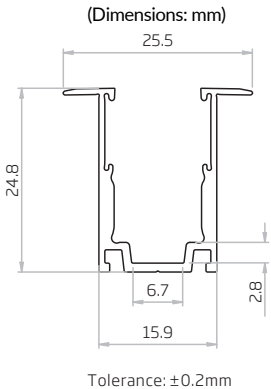
Standard Aluminum Channel with Silicone Grip



- 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 #
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Recessed Aluminum Channel with Silicone Grip

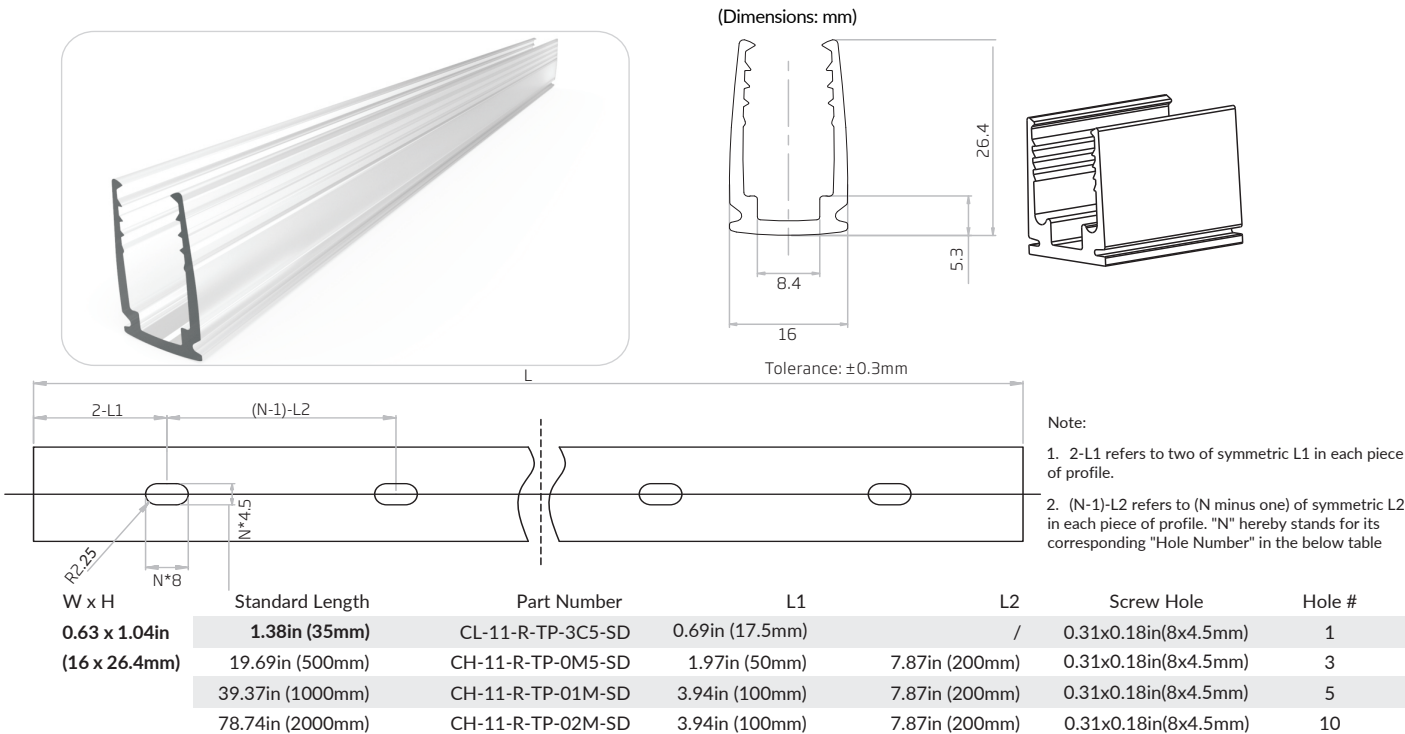


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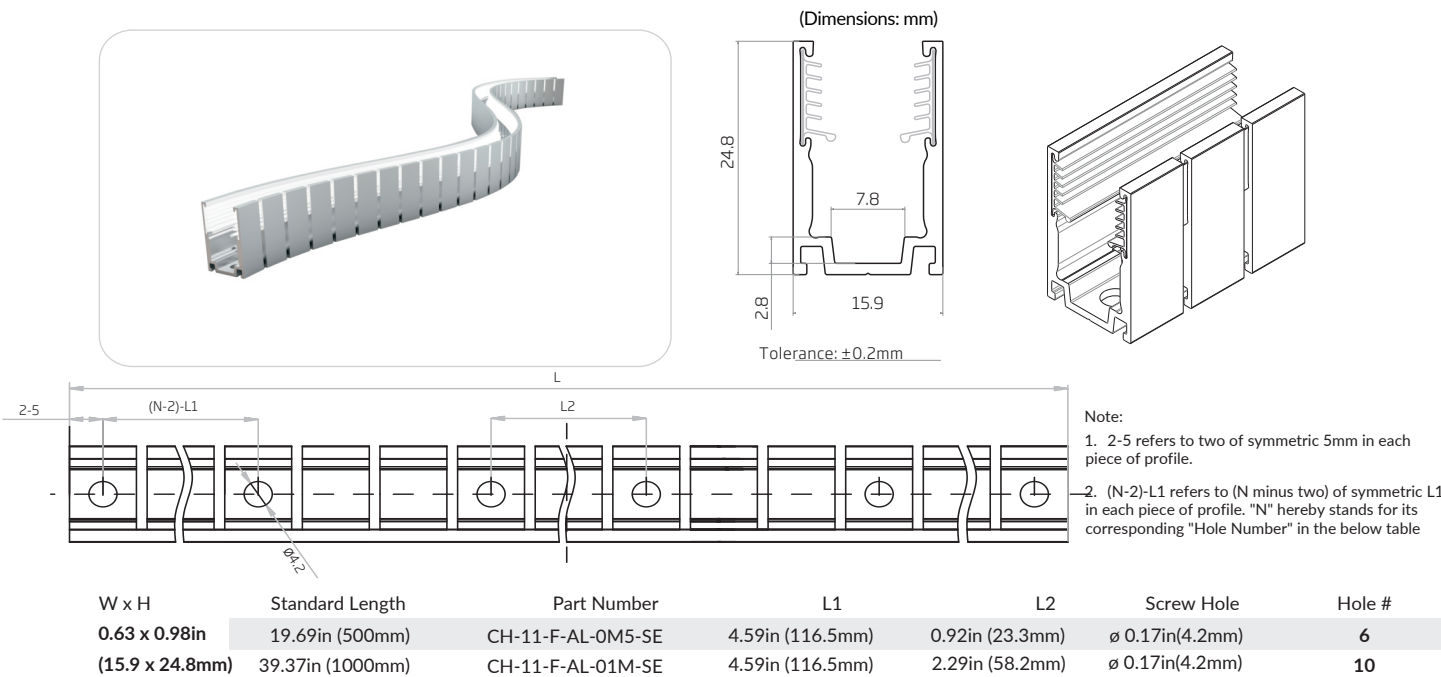
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Transparent Reinforced Plastic Channel



Bendable Serrated Aluminum Channel



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

