



# VIVID **Wave** **HIGH OUTPUT** **SILICONE 24V**



Version 1.1 | 08/17/2021

**For More Information**

**Toll Free: 1 (888) 580-6366**



Light Dimension	0.63 x 0.67in (16x17mm)
Output	WHITE
LED Light	SMD LED Chip
Max Run Length	
Single Feed	32.8ft (10m)
Double Feed	65.6ft (20m)
Light Surface	Square profile 160°
Lumen Maintenance	70,000 Hours L70 @ 25°C : 90,000 Hours 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	33 LEDs/ft (108 LEDs/m)
Cutting Unit Length	2.19in (55.6mm) (6 LEDs)
Thermal Management	Free air convection
Fixture Connections	End, side & bottom lead wires
Minimum Bend Diameter	11.81in (300mm) (Top and 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)
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	Color	Per Foot	Per Meter	Per Foot	Per Meter
2200K	2238 ± 66K	2200K	183lm	600lm	152lm	500lm
2700K	2725 ± 85K	2700K	213lm	700lm	183lm	600lm
3000K	3045 ± 105K	3000K	213lm	700lm	183lm	600lm
3500K	3465 ± 245K	3500K	244lm	800lm	213lm	700lm
4000K	3985 ± 150K	4000K	244lm	800lm	213lm	700lm
5700K	5669 ± 305K	5700K	244lm	800lm	213lm	700lm



**Beam Angle**  
160°



**Bending Diameter**  
D:300mm



**Flame Resistant**



**UV Resistant**



**Solvents Resistant**



**Saltwater Resistant**



**IP68 Protection**

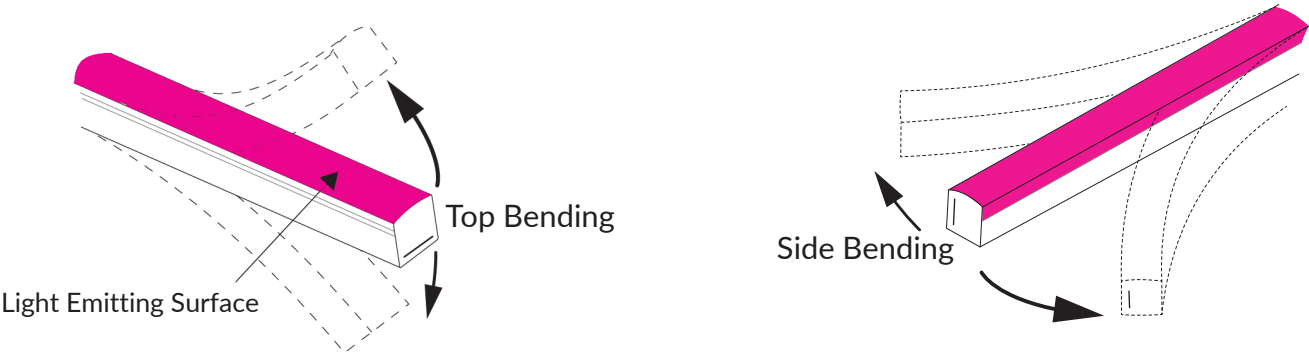


**IK08 Protection**

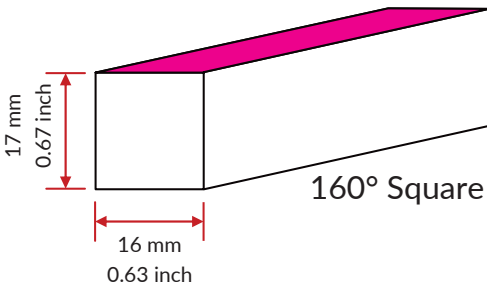


**10 Year Warranty**

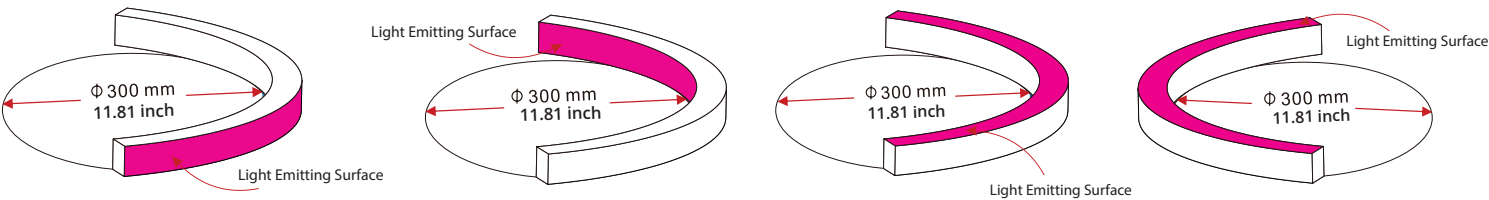
Bending Direction



Light Profile



Minimum Bending Diameter

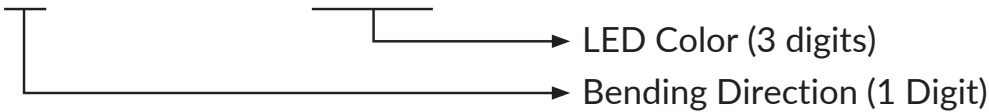


Top Bending

Side Bending

Fixtures

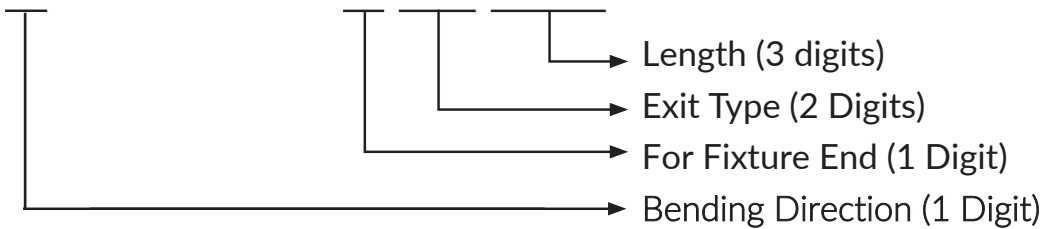
SH-16E-X-01-2W-E-XXX-24DC



Bending Direction (1 digit)	LED Color (3 digits)	
0 - Top Bending	22K - 2200K	35K - 3500K
1 - Side Bending	27K - 2700K	40K - 4000K
	30K - 3000K	57K - 5700K

Lead Connector

FA-16E-X-00-2W-SE-X-XX-XXX-P



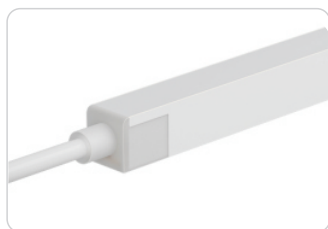
Bending Direction (2 Digit)	For Fixture End (1 digit)	Exit Type (2 digits)	Length (3 digits)
0 - Top Bending	1 - Input side	EN - End	0M3 - 0.98ft (30cm)
1 - Side Bending	0 - Jumpers/ Seamless Bottom/ Seamless End	BO - Bottom	01M - 3.28ft (1m)
		SL - Side left	03M - 9.84ft (3m)
		SR - Side right	05M - 16ft (5m)
		EJ - End jumper	10M - 32.81ft (10m)
		BJ - Bottom jumper	000 - For End Cap
		SJ - Side jumper	

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



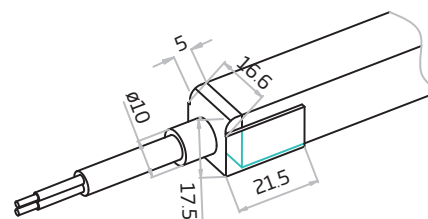


## Seamless (Dimensions = mm)



### Seamless End Exit

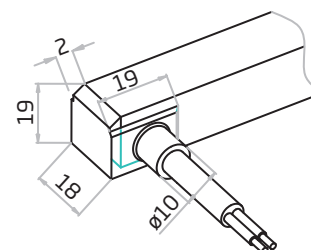
FA-16E-X-00-2W-SE-0-EN-XXX-P



### Seamless Side Exit

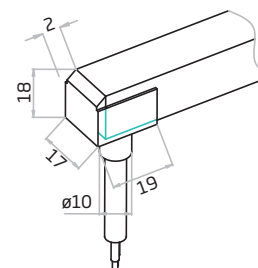
FA-16E-X-00-2W-SE-1-SR-XXX-P

FA-16E-X-00-2W-SE-2-SL-XXX-P



### Seamless Bottom Exit

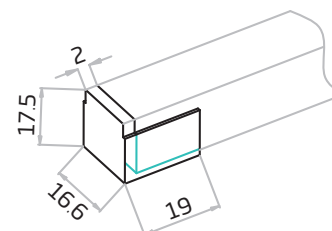
FA-16E-X-00-2W-SE-0-BO-XXX-P



### Seamless End Cap

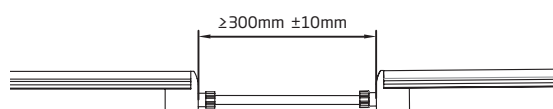
FA-16E-1-00-0W-SE-1-EC-000-P

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



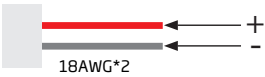
### Seamless Jumper

FA-16E-X-00-2W-SE-0-EJ-XXX-P



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





Barrel Connectors

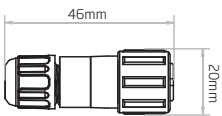


Barrel Connectors

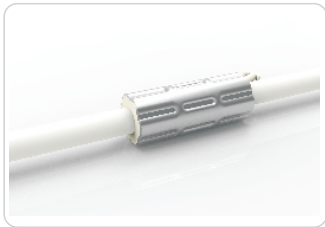
NA-XX-BC-DC-CXX-F  
NA-XX-BC-DC-CXX-M

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

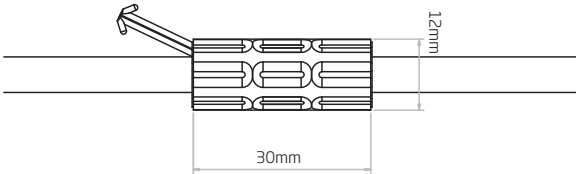
NA-XX-PL-XXA-CXX-F  
NA-XX-PL-XXA-CXX-M



Anti-Wicking Ferrule



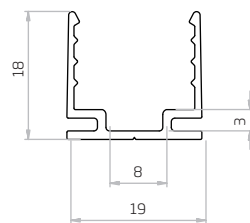
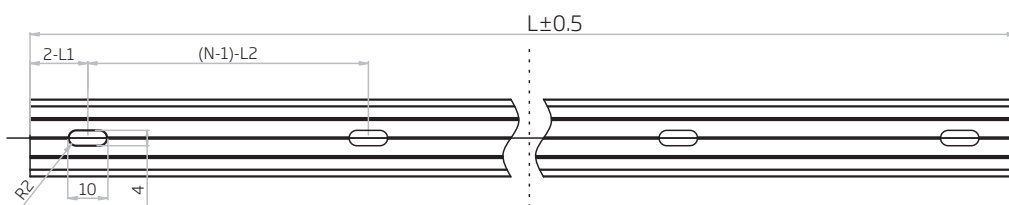
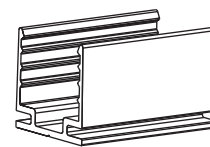
Anti-wicking Ferrule





## Wave Standard Aluminum Channel

(Dimensions: mm)

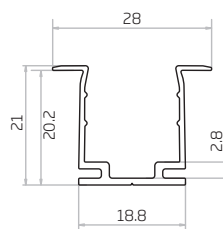
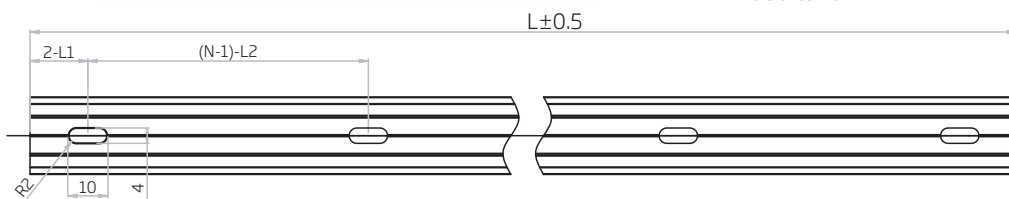
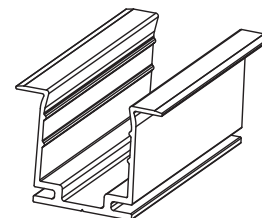
Tolerance:  $\pm 0.2\text{mm}$ 

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

## Wave Recessed Aluminum Channel

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

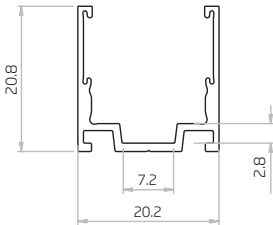
Note:

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

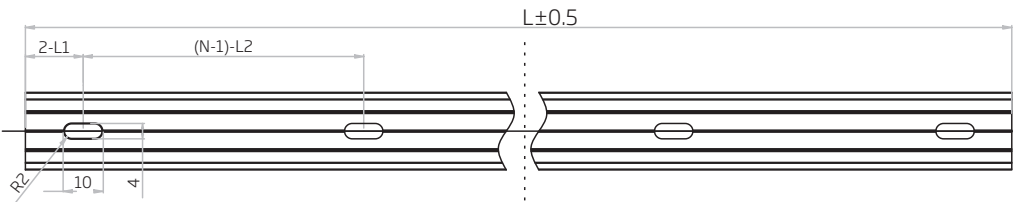
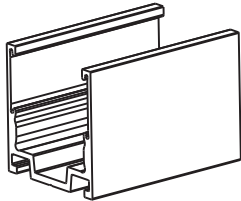
W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
1.10 x 0.83in (28 x 21mm)	1.38in (35mm)	CL-16-R-RA-3C5-SD	0.69in (17.5mm)	/	0.39x0.16in(10x4mm)	1
	19.69in (500mm)	CH-16-R-RA-0M5-SD	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-16-R-RA-01M-SD	3.94in (100mm)	7.87in (200mm)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

(Dimensions: mm)

Wave Standard Aluminum Channel with Silicone Grip



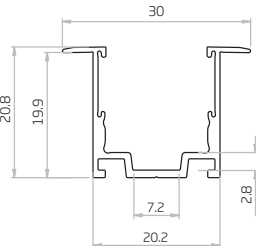
Tolerance: ±0.2mm



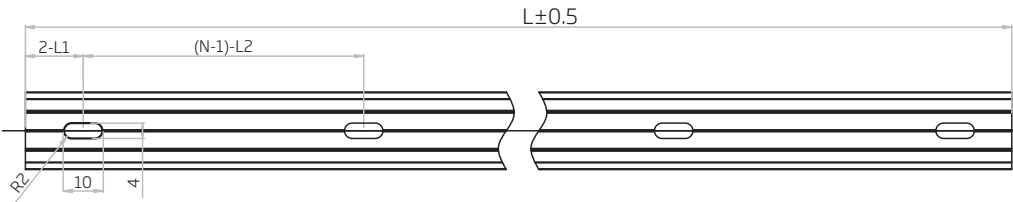
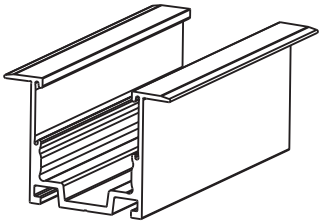
- Note:
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
  2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

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

Wave Standard Recessed Aluminum Channel with Silicone Grip



Tolerance: ±0.2mm

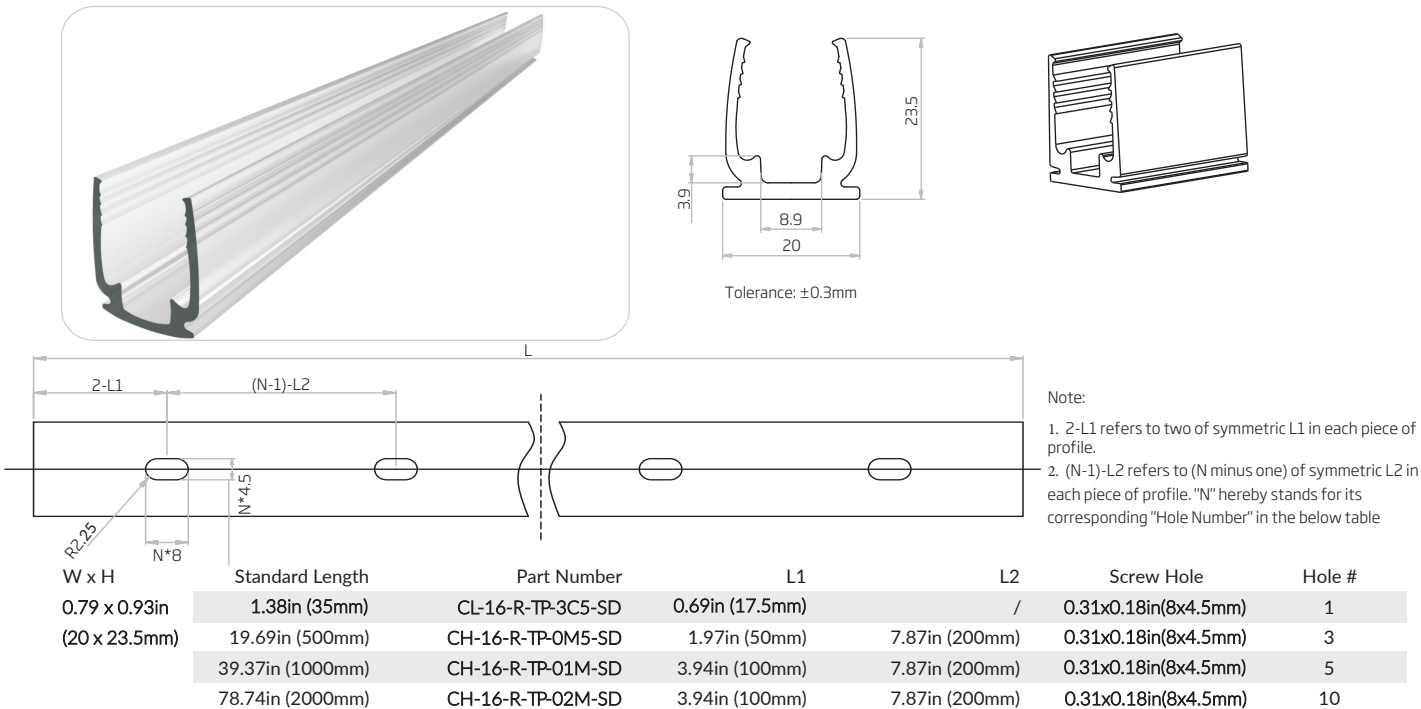


- Note:
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
  2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

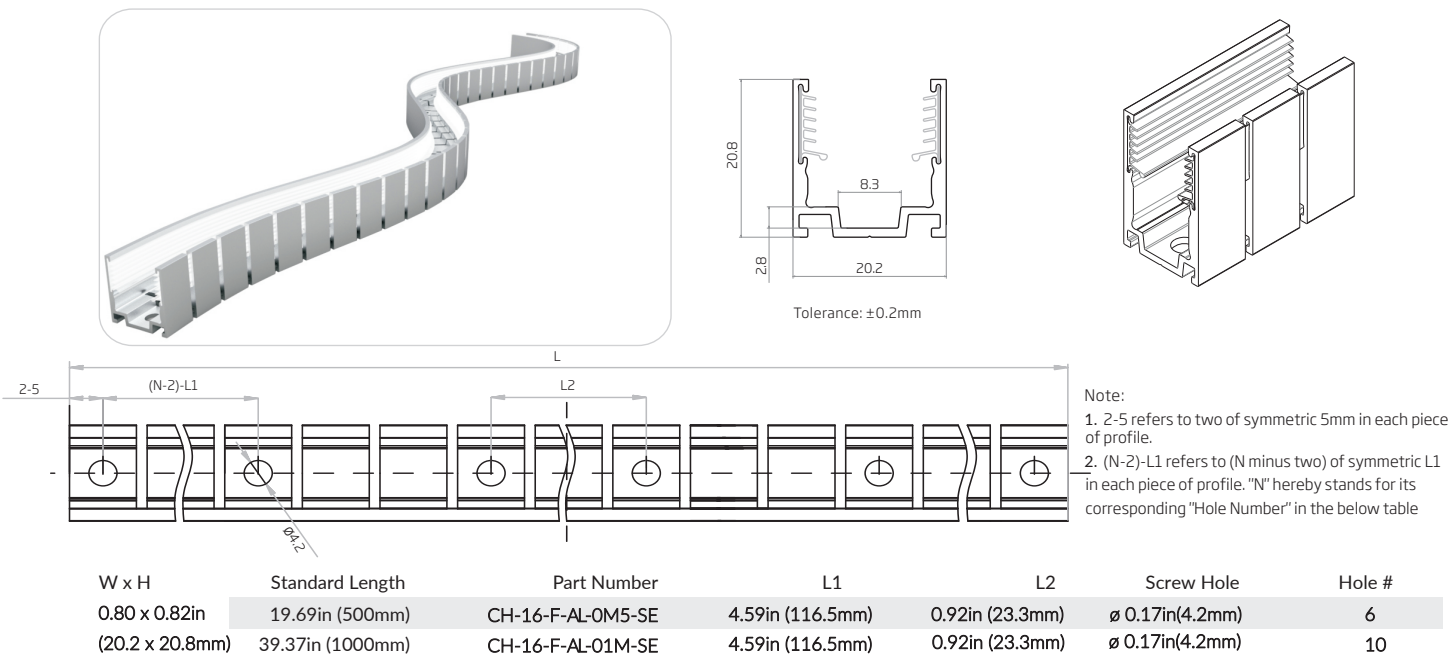
W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.80 x 0.82in (20.2 x 20.8mm)	0.787in (20mm)	CL-16-R-RA-02C-SE	0.39in (10mm)	/	0.39x0.16in(10x4mm)	1
	19.69in (500mm)	CH-16-R-RA-0M5-SE	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-16-R-RA-01M-SE	3.94in (100mm)	7.87in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



Wave Transparent Reinforced Plastic Channel (Dimensions: mm)



Wave Horizontal Bendable Serrated Aluminum Channel



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

