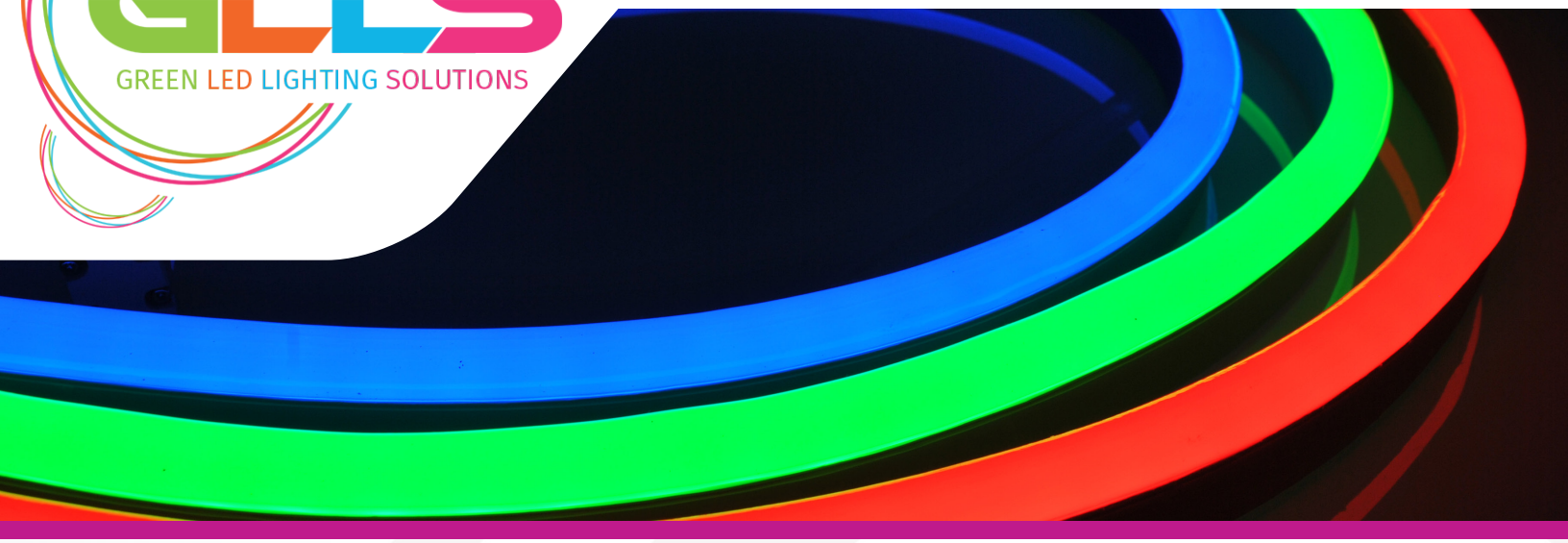
GREEN LED LIGHTING SOLUTIONS

LED Neon FLEX



VIVID

S 270

PWM RGBW

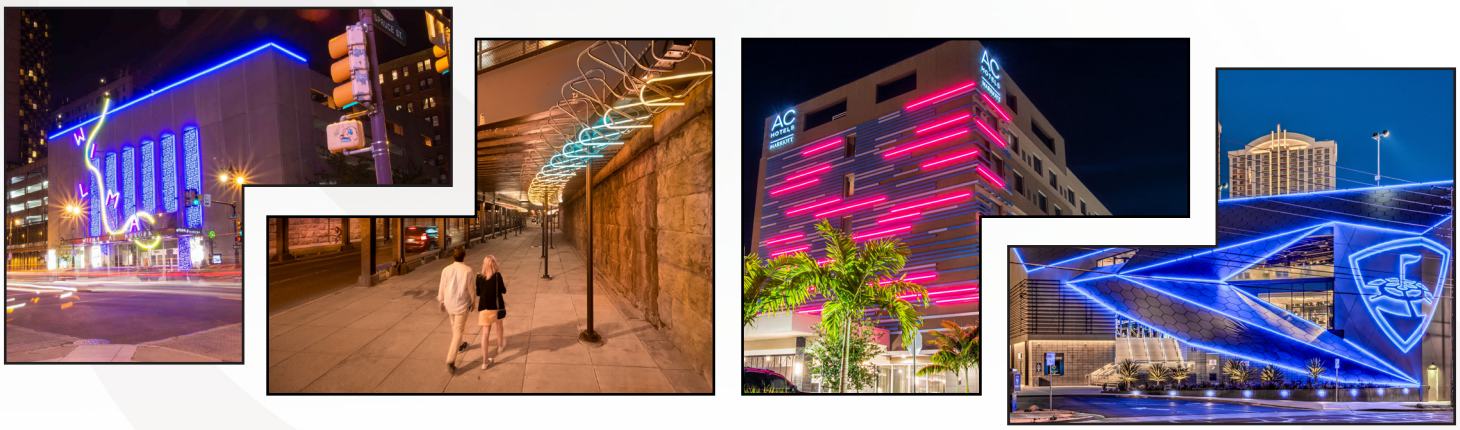
SILICONE 24V

Version 1.6 | 10/25/2021

For More Information

Toll Free: 1 (888) 580-6366

c UL us LISTED E347880 · CE · RoHS COMPLIANT · INDOOR USE · OUTDOOR USE · IP68 · DMX RDM · DALI · DIMMABLE



GLLS GREEN LED LIGHTING SOLUTIONS

UNITED STATES
Pacific Business Center
1075 American Pacific Dr.,
Ste. A Henderson, NV 89074

CANADA
264 Botsford Street,
Suite 200 Moncton, NB
E1C 4X7

UNITED KINGDOM
Unit 21, The Old Rectory,
Northfleet, Gravesend,
DA11 8HN, UK

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

Light Dimension	0.45 x 1.19in (11.5x29mm)	
Output	**RGBW**	
LED Light	SMD LED Chip	
Max Run Length	*Due to the fragility of five-wire light fixtures, GLLS does not recommend exceeding lengths longer than 16.4ft(5m).	
Single Feed	Full Load: 26.24ft (8m)	Dynamic Load: 39.36ft (12m)
Double Feed	Full Load: 52.48ft (16m)	Dynamic Load: 78.72ft (24m)
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	4.57W/ft (15W/m)	
Physical		
LED Count	18 LEDs/ft (60 LEDs/m)	
Cutting Unit Length	3.94in (100mm) (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	-40°F to 122°F (-40°C to 50°C)	
Operating	-40°F to 113°F (-40°C to 45°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

Color	Wavelength/CCT
Red	618-624nm
Green	522-530nm
Blue	468-474nm
2700K	2725 ± 145K
3000K	3045 ± 140K
4000K	3985 ± 275K

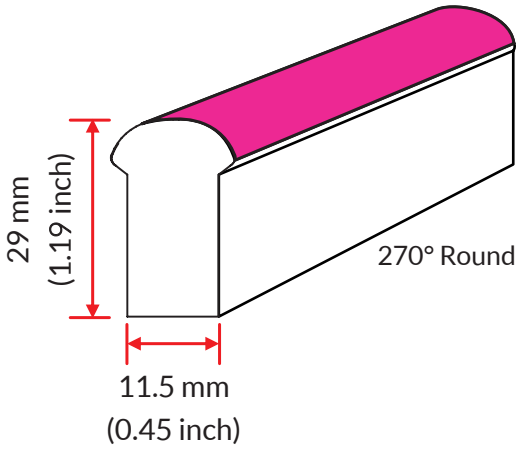
Lumen Count / Side Bending

Color	Per Foot	Per Meter
Red	18lm	60lm
Green	43lm	140lm
Blue	9lm	30lm
2700K	43lm	140lm
3000K	43lm	140lm
4000K	43lm	140lm

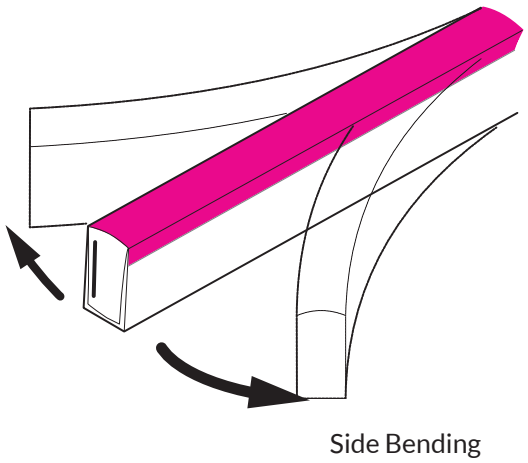


Beam Angle | **Bending Diameter** | **Flame Resistant** | **UV Resistant** | **Solvents Resistant** | **Saltwater Resistant** | **IP68 Protection** | **IK08 Protection** | **10 Year Warranty**

Light Profile

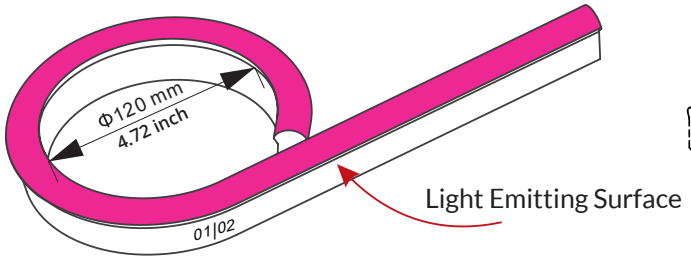


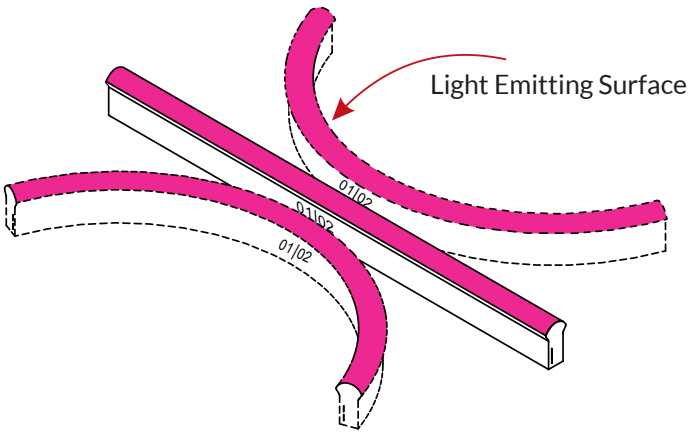
Bending Direction



Side Bending

Minimum Bending Diameter





Fixtures

SF-11D-1- 01-5W-E-XXX-24DV

LED Color (3 digits)

LED Color (3 digits)
R27 - RGBW (2700K)
R30 - RGBW (3000K)
R40 - RGBW (4000K)

Lead Connector

FA-11D-1-01-5W-SE-X-XX-XXX-S

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

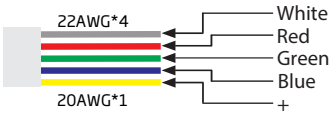
For Fixture End (1 digit)	Exit Type (2 digits)	Length (3 digits)
1 - Input side	EN - End	0M3 - 0.98ft (30cm)
2 - Output side	BO - Bottom	01M - 3.28ft (1m)
0 - Jumpers/ Seamless Bottom/ Seamless End	SL - Side left	03M - 9.84ft (3m)
	SR - Side right	05M - 16ft (5m)
	EJ - End jumper	10M - 32.81ft (10m)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

Version 1.6 | Specifcations are subject to change without notice.

PWM RGBW

IP68: Submersible. Factory Assembly only.



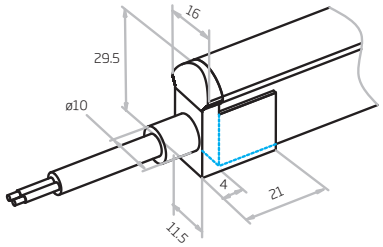
Seamless

(Dimensions: mm)



Seamless End Exit

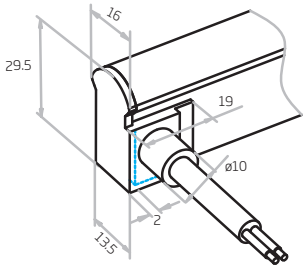
FA-11D-1-01-5W-SE-0-EN-XXX-S





Seamless Side Exit

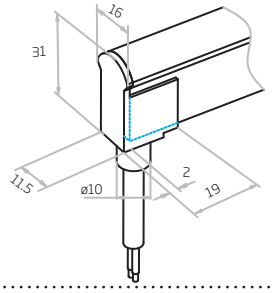
FA-11D-1-01-5W-SE-1-SR-XXX-S
FA-11D-1-01-5W-SE-2-SL-XXX-S





Seamless Bottom Exit

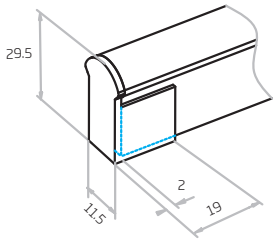
FA-11D-1-01-5W-SE-0-BO-XXX-S





Seamless End Cap

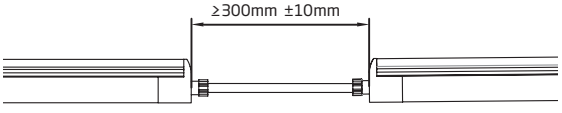
FA-11D-1-01-0W-SE-1-EC-000-P
FA-11D-1-01-0W-SE-2-EC-000-P



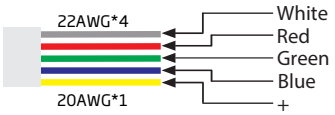


Seamless Jumper

FA-11D-1-01-5W-SE-0-EJ-XXX-S



IP68: Submersible. Factory Assembly only.



Barrel Connectors

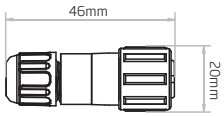


Barrel Connectors

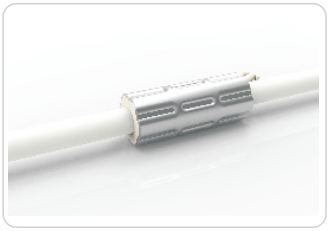
NA-XX-BC-DC-CXX-F
NA-XX-BC-DC-CXX-M

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

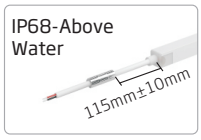
NA-XX-PL-XXA-CXX-F
NA-XX-PL-XXA-CXX-M



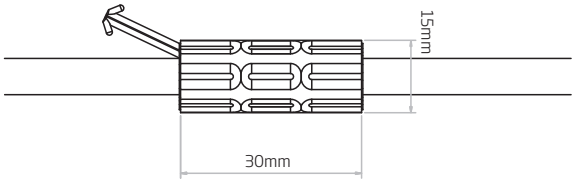
Anti-Wicking Ferrule



Anti-wicking Ferrule



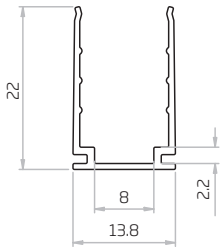




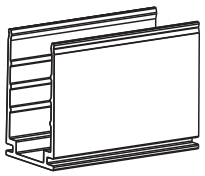
Standard Aluminum Channel

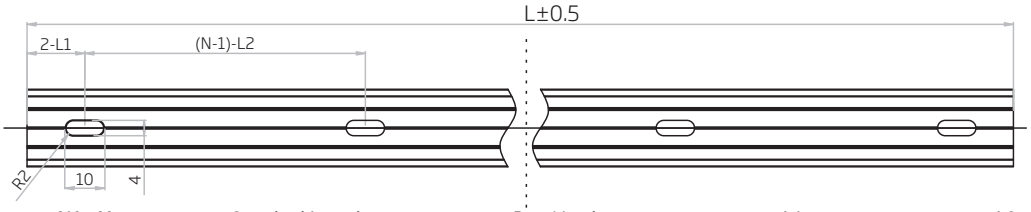


(Dimensions: mm)



Tolerance: ±0.2mm





Note

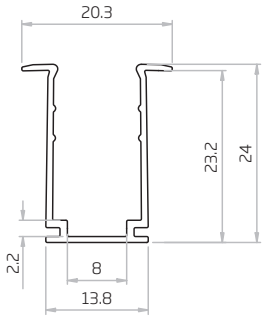
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

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

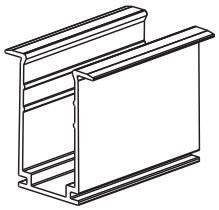
Recessed Aluminum Channel

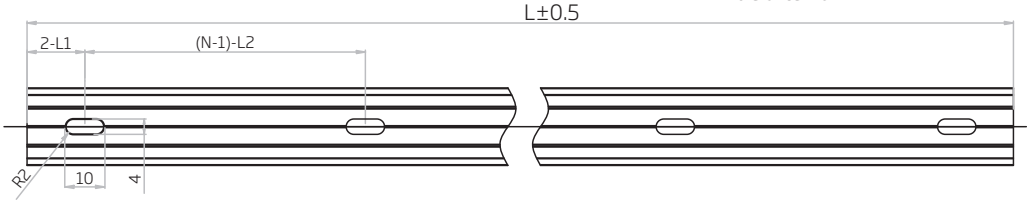


(Dimensions: mm)



Tolerance: ±0.2mm



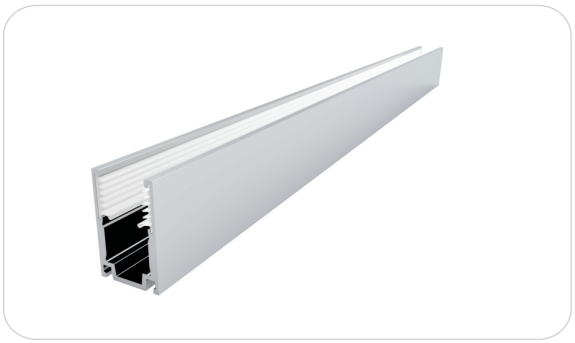


Note:

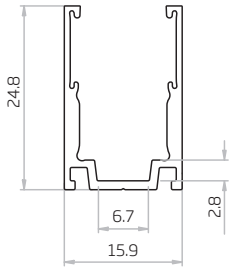
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.54 x 0.87in	1.38in (35mm)	CL-11-R-**RA**-3C5-SD	0.69in (17.5mm)	/	0.39x0.16in(10x4mm)	1
(13.8 x 22mm)	19.69in (500mm)	CH-11-R-**RA**-0M5-SD	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-11-R-**RA**-01M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-11-R-**RA**-02M-SD	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

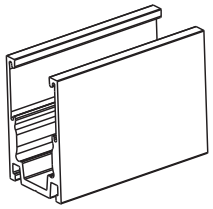
Standard Aluminum Channel with Silicone Grip

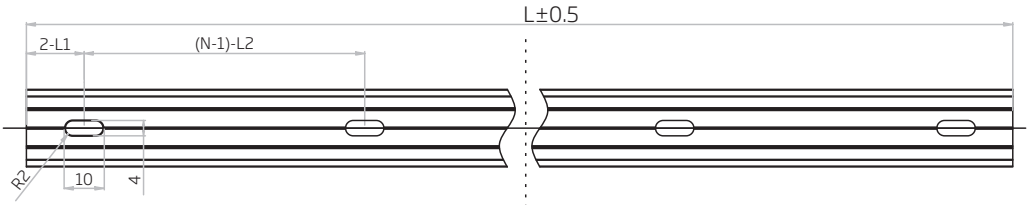


(Dimensions: mm)



Tolerance: ±0.2mm





Note:

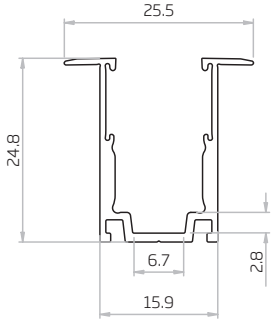
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.63 x 0.98in	**0.787in (20mm)**	CL-11-R-AL-02C-SE	**0.39in (10mm)**	/	0.39x0.16in(10x4mm)	1
(15.9 x 24.8mm)	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

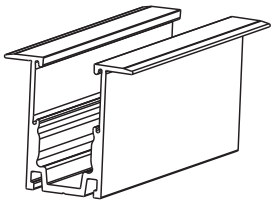
Recessed Aluminum Channel with Silicone Grip

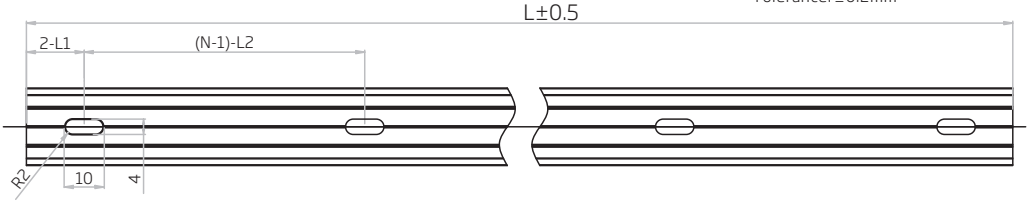
(Dimensions: mm)





Tolerance: ±0.2mm





Note:

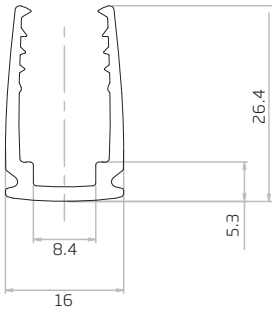
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

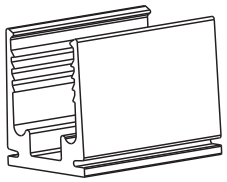
W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.63 x 0.98in	**0.787in (20mm)**	CL-11-R-RA-02C-SE	0.39in (10mm)	/	0.39x0.16in(10x4mm)	1
(15.9 x 24.8mm)	19.69in (500mm)	CH-11-R-RA-0M5-SE	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-11-R-RA-01M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-11-R-RA-02M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

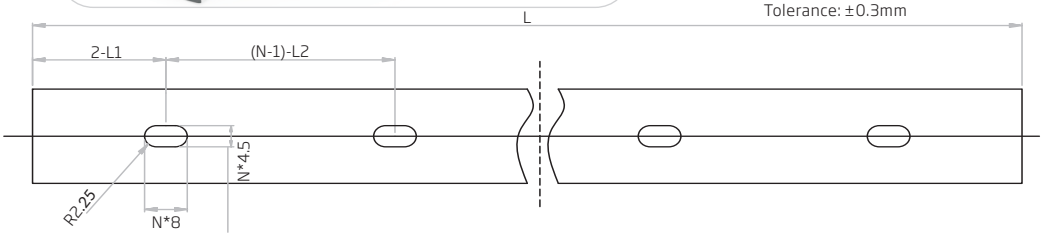
Transparent Reinforced Plastic Channel



(Dimensions: mm)





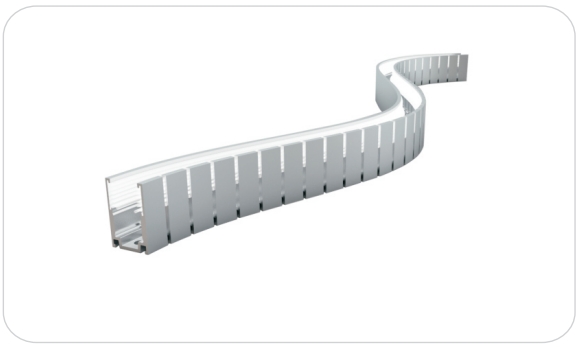


Note:

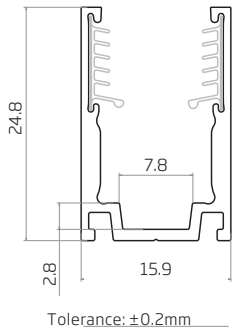
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

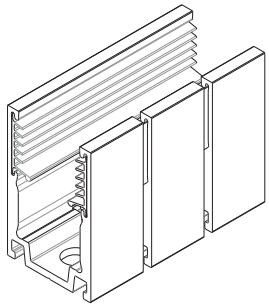
W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.63 x 1.04in	**1.38in (35mm)**	CL-11-R-TP-3C5-SD	0.69in (17.5mm)	/	0.31x0.18in(8x4.5mm)	1
(16 x 26.4mm)	19.69in (500mm)	CH-11-R-TP-0M5-SD	1.97in (50mm)	7.87in (200mm)	0.31x0.18in(8x4.5mm)	3
	39.37in (1000mm)	CH-11-R-TP-01M-SD	3.94in (100mm)	7.87in (200mm)	0.31x0.18in(8x4.5mm)	5
	78.74in (2000mm)	CH-11-R-TP-02M-SD	3.94in (100mm)	7.87in (200mm)	0.31x0.18in(8x4.5mm)	10

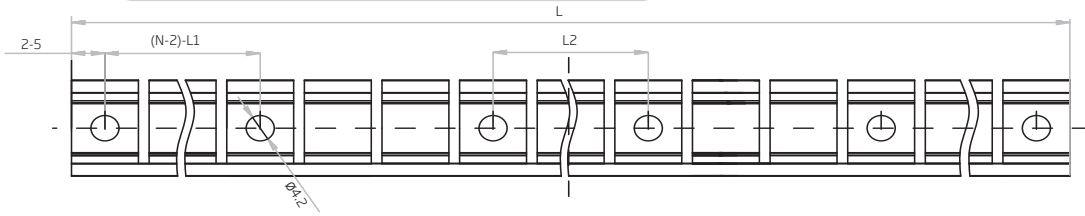
Bendable Serrated Aluminum Channel



(Dimensions: mm)







Note:

1. 2-5 refers to two of symmetric 5mm in each piece of profile.
2. (N-2)-L1 refers to (N minus two) of symmetric L1 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 #
0.63 x 0.98in	19.69in (500mm)	CH-11-F-AL-0M5-SE	4.59in (116.5mm)	0.92in (23.3mm)	ø 0.17in(4.2mm)	**6**
(15.9 x 24.8mm)	39.37in (1000mm)	CH-11-F-AL-01M-SE	4.59in (116.5mm)	2.29in (58.2mm)	ø 0.17in(4.2mm)	**10**

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