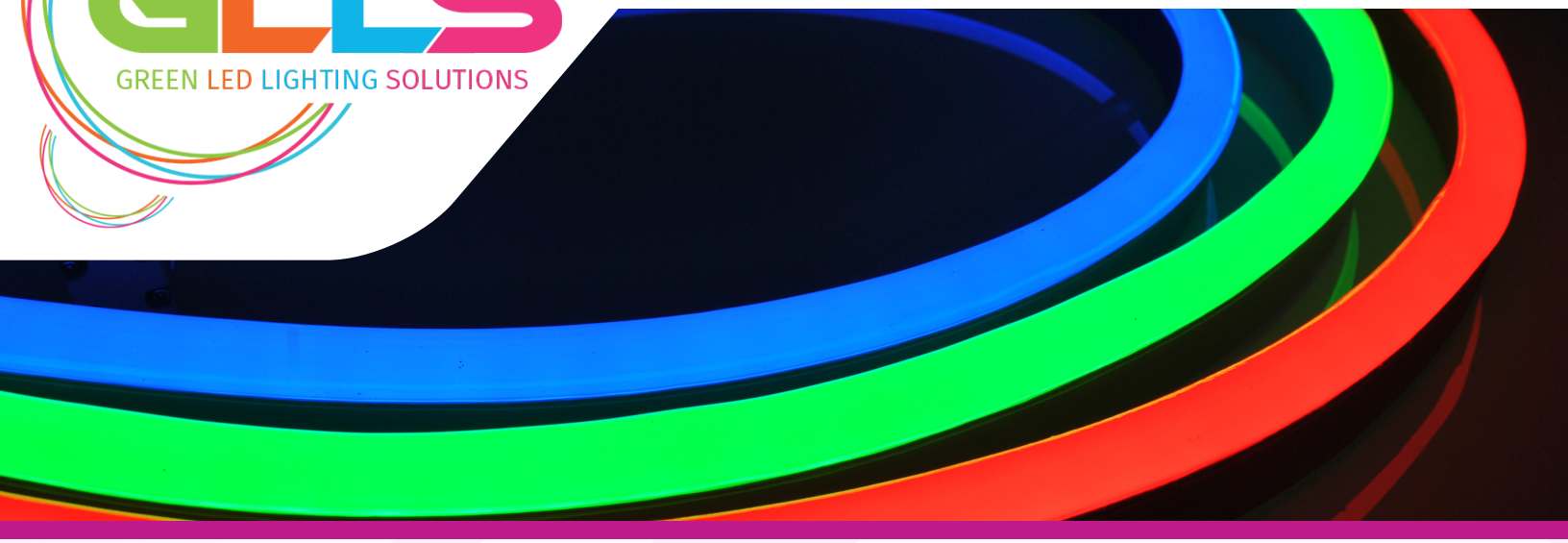
GREEN LED LIGHTING SOLUTIONS

LED Neon FLEX



Version 1.1 | 2022

VIVID

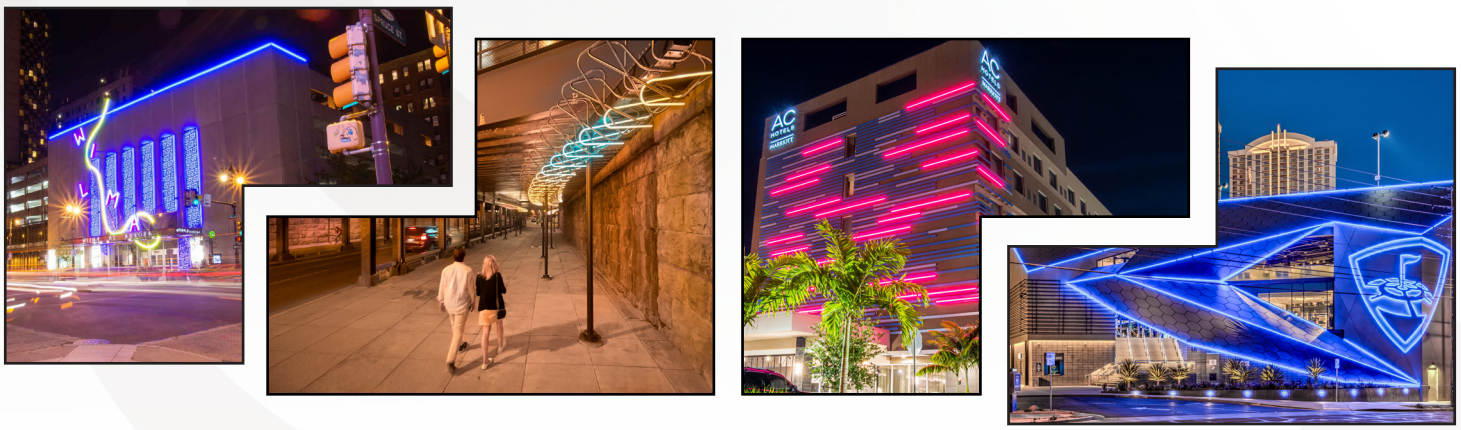
S 270

DIRECT DMX - Single Color

SILICONE 24V

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

For More Information
Call: 1 (888) 580-6366
Visit: glls.com/contact-us



Light Dimension	0.45 x 1.14in (11.5x29mm)	
Output	**Red/Green/Blue/Amber/White**	
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 Power Feed	Full Load: 49.21ft (15m)	Dynamic Load: 65.6ft (20m)
Double Power Feed	Full Load: 98.4ft (30m)	Dynamic Load: 131.2ft (40m)
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	6.56in (166.7mm) (10LEDs)	
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

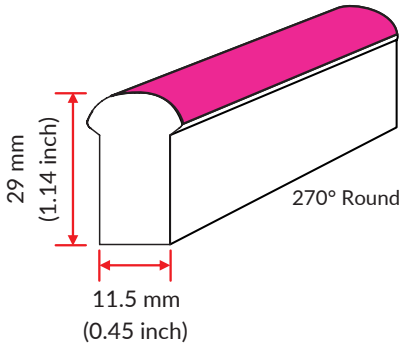
Color	CCT/Wavelength
Red	618-624nm
Green	522-530nm
Blue	468-474nm
Amber	588-594nm
2200K	2238 ± 66K
2700K	2725 ± 85K
3000K	3045 ± 105K
3500K	3465 ± 245K
4000K	3985 ± 150K
5000K*	5029 ± 283K
5700K	5669 ± 305K

Lumen Count / Side Bending

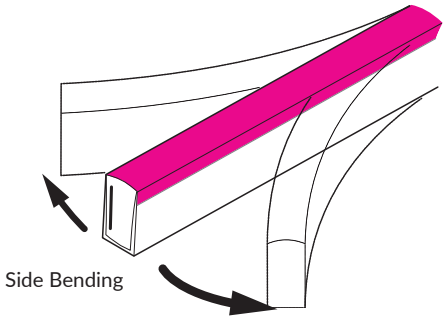
Color	Per Foot	Per Meter
Red	12lm	40lm
Green	34lm	110lm
Blue	6lm	20lm
Amber	43lm	140lm
2200K	95lm	310lm
2700K	116lm	380lm
3000K	116lm	380lm
3500K	116lm	380lm
4000K	116lm	380lm
5000K	116lm	380lm
5700K	116lm	380lm

*For 5000K: Minimum order quantity of 200 meters.

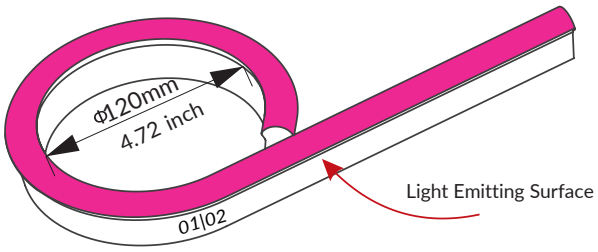
Light Profile

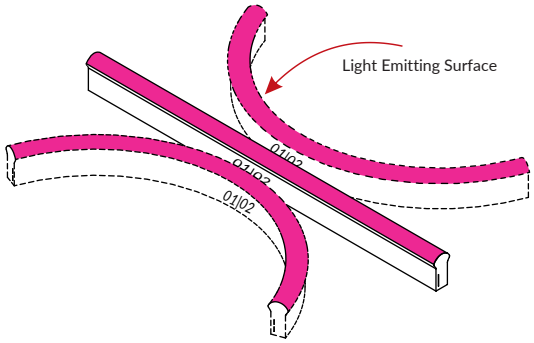


Bending Direction



Minimum Bending Diameter





Fixtures

SF-11D-1- 01-5D-E-XXX-24DC

LED Color (3 digits)

LED Color (3 digits)		
RED - Red	22K - 2200K	40K - 4000K
GRE - Green	27K - 2700K	50K - 5000K
BLU - Blue	30K - 3000K	57K - 5700K
AMB - Amber	35K - 3500K	

Lead Connector

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

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

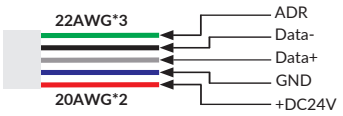
For Fixture End (1 digit)	Exit Type (2 digits)	Length (3 digits)
1 - Input side	EN - End	0M3 - 0.98ft (30cm)
2 - Output side	BO - Bottom	01M - 3.28ft (1m)
0 - Jumpers/ Seamless Bottom/ Seamless End	SL - Side left	03M - 9.84ft (3m)
	SR - Side right	05M - 16.4ft (5m)
	EJ - End jumper	10M - 32.81ft (10m)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

Version 1.1 | Specifcations are subject to change without notice.

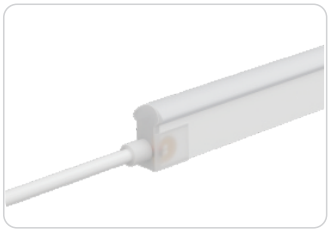
DIRECT DMX

IP68: Submersible. Factory Assembly only



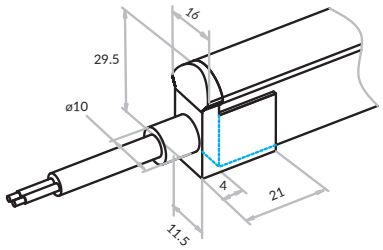
(Dimensions: mm)

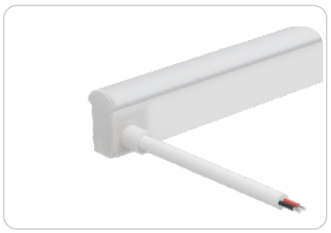
Seamless



Seamless End Exit

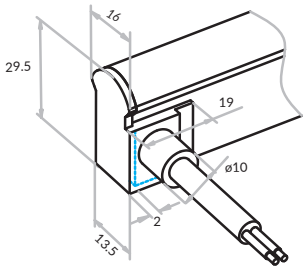
FA-11D-1-01-5D-SE-0-EN-XXX-S





Seamless Side Exit

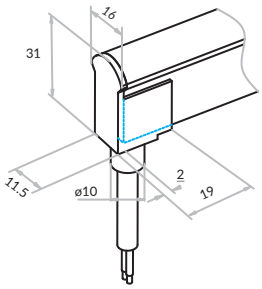
FA-11D-1-01-5D-SE-1-SR-XXX-S
FA-11D-1-01-5D-SE-2-SL-XXX-S





Seamless Bottom Exit

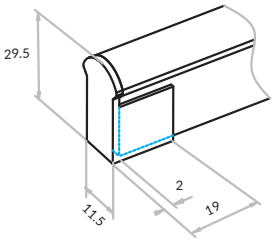
FA-11D-1-01-5D-SE-0-BO-XXX-S





Seamless End Cap

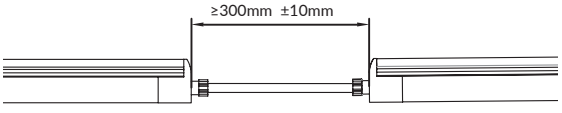
FA-11D-1-01-0W-SE-1-EC-000-P
FA-11D-1-01-0W-SE-2-EC-000-P





Seamless Jumper

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



Cable Connectors

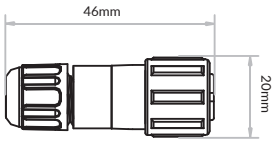


Cable Connectors

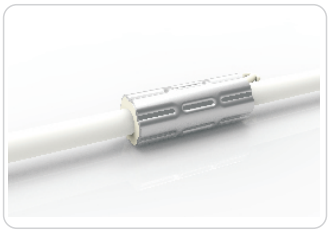
NA-XX-BC-DC-CXX-F
NA-XX-BC-DC-CXX-M

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

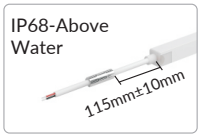
NA-XX-PL-XXA-CXX-F
NA-XX-PL-XXA-CXX-M



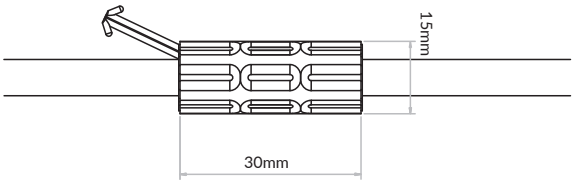
Anti-Wicking Ferrule



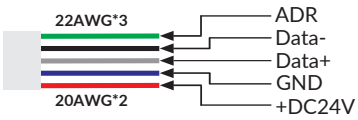
Anti-wicking Ferrule

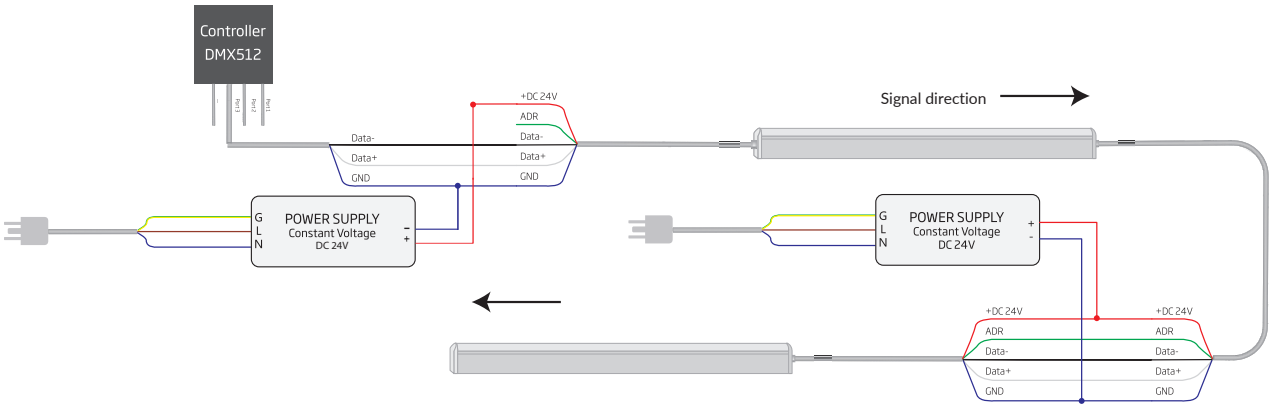






Wiring Diagram

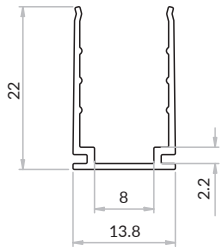




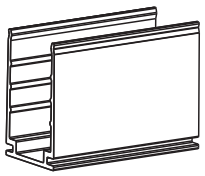
Standard Aluminum Channel

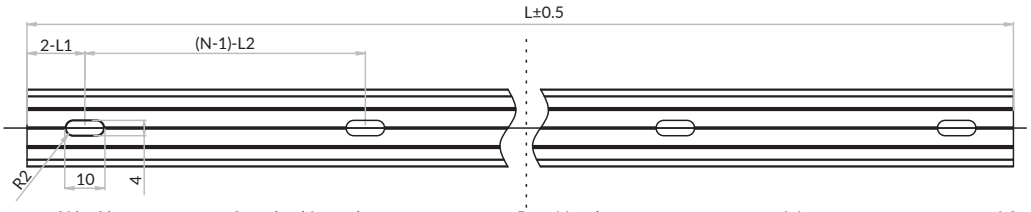


(Dimensions: mm)



Tolerance: ±0.2mm





Note:

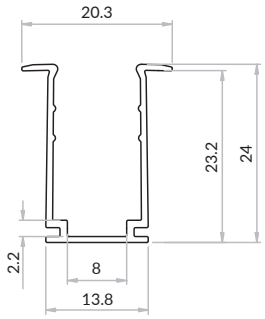
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

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

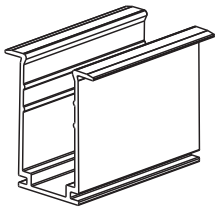
Recessed Aluminum Channel

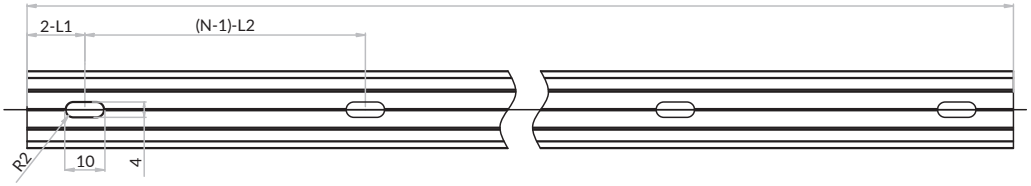
(Dimensions: mm)





Tolerance: ±0.2mm



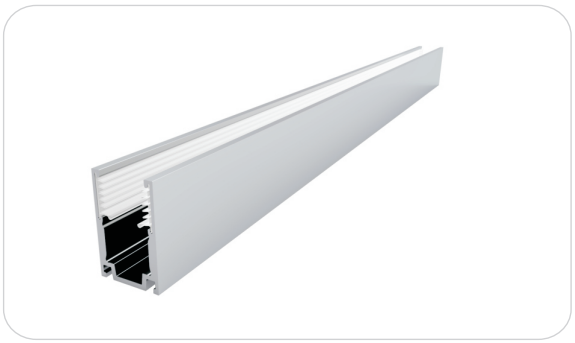


Note:

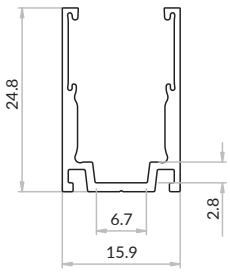
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.8 x 0.94in	1.38in (35mm)	CL-11-R-RA-3C5-SD	0.69in (17.5mm)	/	0.39x0.16in(10x4mm)	1
(20.3 x 24mm)	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

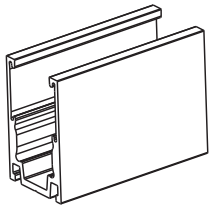
Standard Aluminum Channel with Silicone Grip

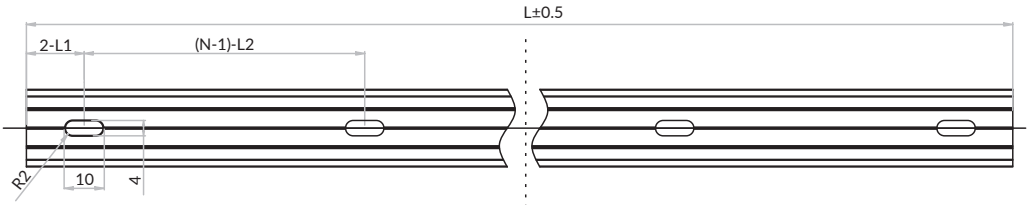


(Dimensions: mm)



Tolerance: ±0.2mm





Note:

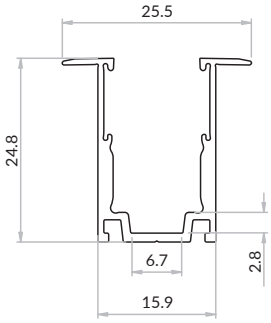
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
0.63 x 0.98n	1.38in (35mm)	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

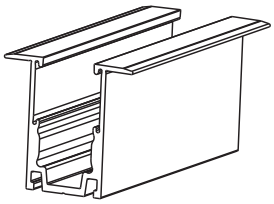
Recessed Aluminum Channel with Silicone Grip

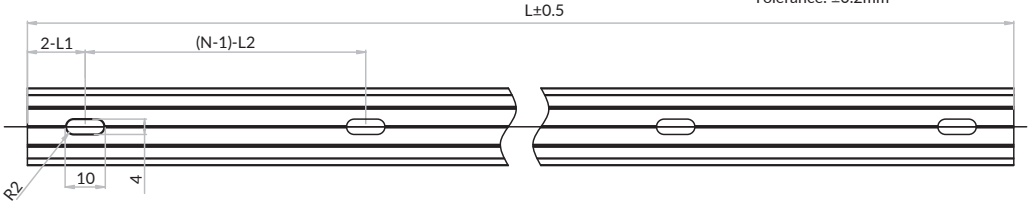
(Dimensions: mm)





Tolerance: ±0.2mm





Note:

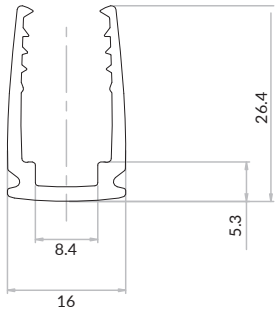
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

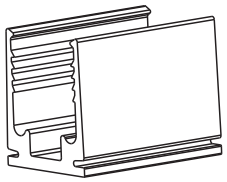
W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
1.0 x 0.98in	1.38in (20mm)	CL-11-R-RA-02C-SE	0.39in (10mm)	/	0.39x0.16in(10x4mm)	1
(25.5 x 24.8mm)	19.69in (500mm)	CH-11-R-RA-0M5-SE	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-11-R-RA-01M-SE	3.94in (100mm)	7.87in (200mm)	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

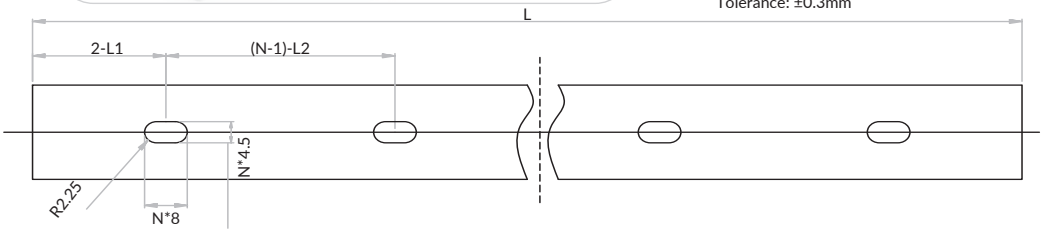


(Dimensions: mm)





Tolerance: ±0.3mm

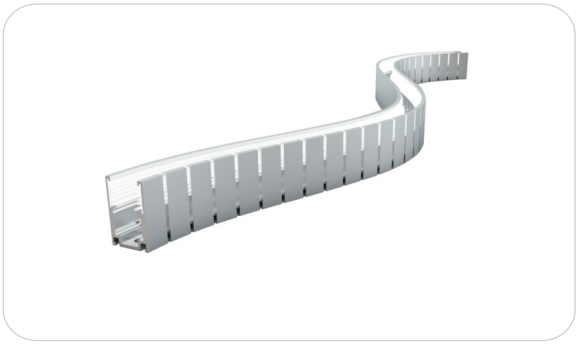


Note:

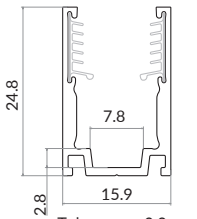
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

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

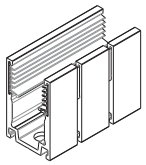
Bendable Serrated Aluminum Channel



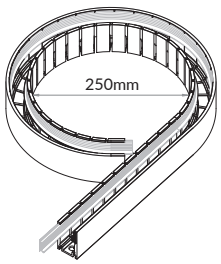
(Dimensions: mm)



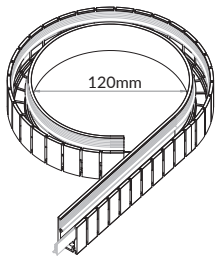
Tolerance: ±0.2mm

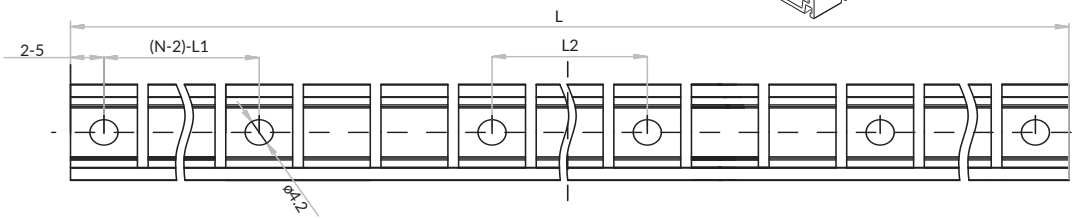


Min Bending Diameter (Toothed Side inwards)



Min Bending Diameter (Toothed Side outwards)





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-R-RA-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-R-RA-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/