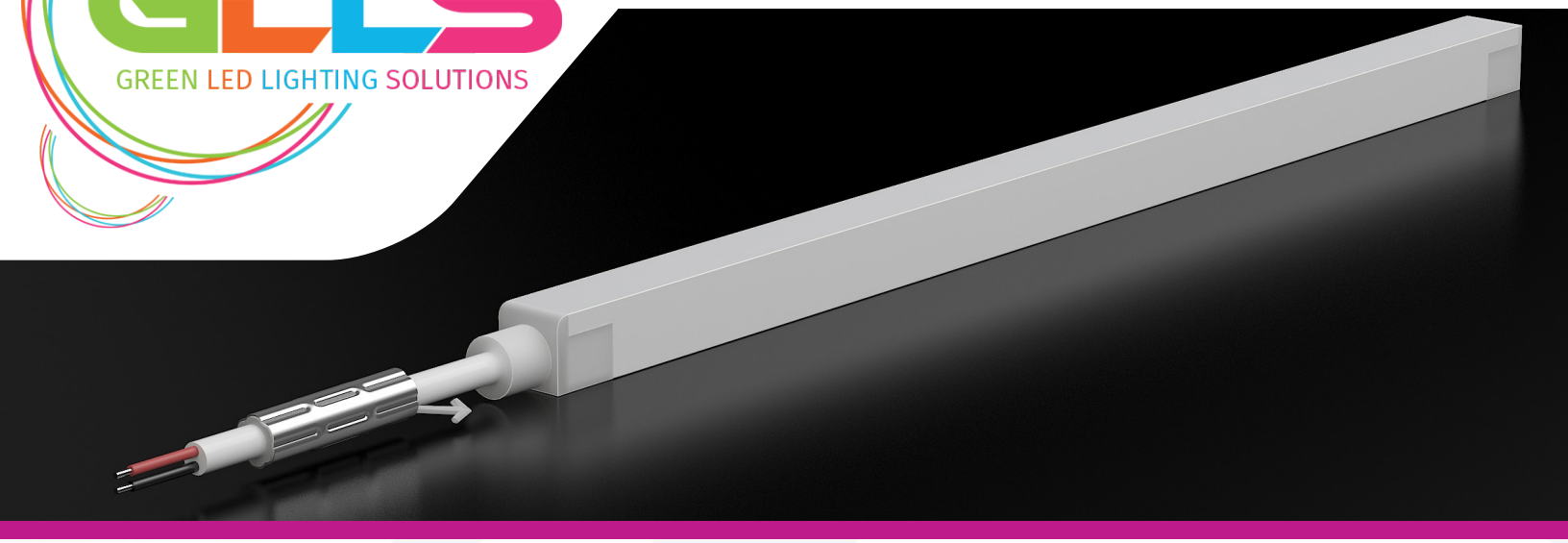
GREEN LED LIGHTING SOLUTIONS

LED Neon FLEX



VIVID

Wave XL

DIRECT DMX

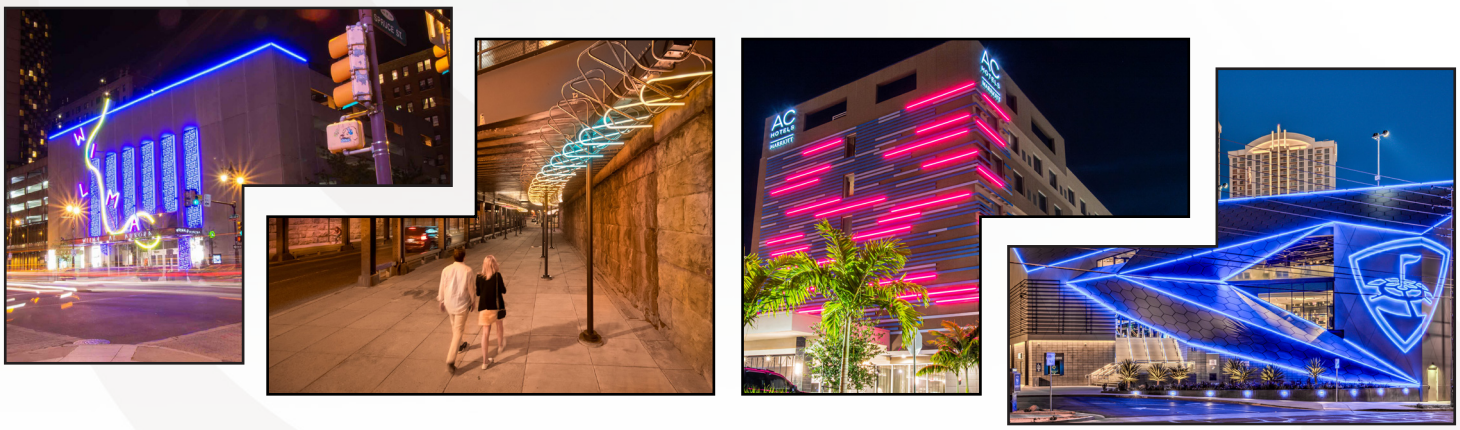
SILICONE 24V

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

Version 1.6 | 12/21/2021

For More Information

Toll Free: 1 (888) 580-6366



GREEN LED LIGHTING SOLUTIONS

UNITED STATES

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

CANADA

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E1C 4X7

UNITED KINGDOM

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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

Light Dimension: Top Bending 0.87 x 0.75in (22mmx19mm), Side Bending 0.87 x 0.87in (22x22mm)

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	Dynamic Load: 39.4ft (12m)	Full Load: 26.2ft (8m)
Double Feed	Dynamic Load: 78.7ft (24m)	Full Load: 52.5ft (16m)
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	22 LEDs/ft (72 LEDs/m)	
Cutting Unit Length	6.56in (166.7mm) (12 LEDs)	
Thermal Management	Free air convection	
Fixture Connections	End, Side & Bottom lead wires	
Minimum Bend Diameter	15.75in (400mm) (Side OR Top 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 ± 115K
3000K	3045 ± 140K
4000K	3985 ± 225K

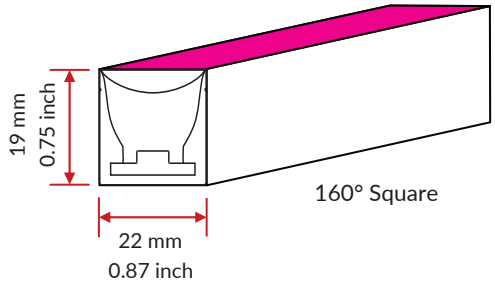
Lumen Count / Top Bending / Side Bending

Color	Top Bending Per Foot	Top Bending Per Meter	Side Bending Per Foot	Side Bending Per Meter
Red	23lm	75lm	18lm	60lm
Green	63lm	205lm	50lm	165lm
Blue	12lm	40lm	9lm	30lm
2700K	55lm	180lm	44lm	145lm
3000K	55lm	180lm	44lm	145lm
4000K	55lm	180lm	44lm	145lm

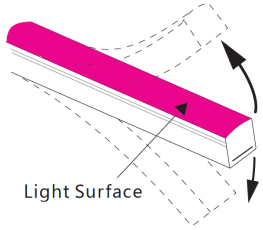


Beam Angle | **Bending Diameter** | **Flame Resistant** | **UV Resistant** | **Solvents Resistant** | **Saltwater Resistant** | **IP68 Protection** | **IK08 Protection** | **10 Year Warranty**

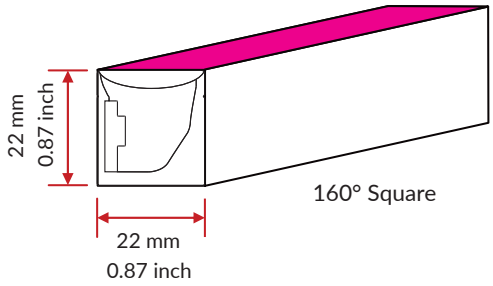
Light Profile - Top Bending



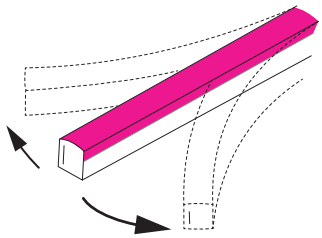
Bending Direction - Top Bending



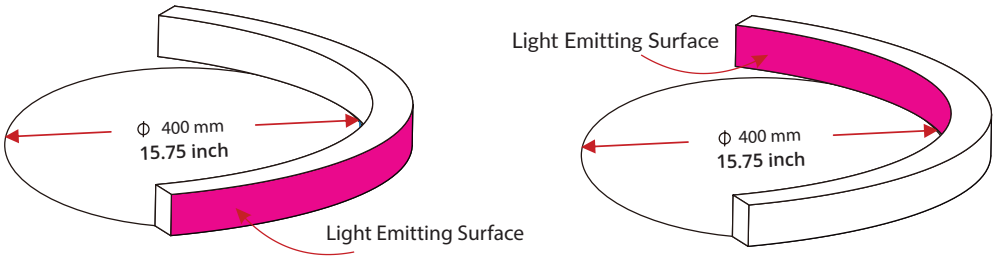
Light Profile - Side Bending



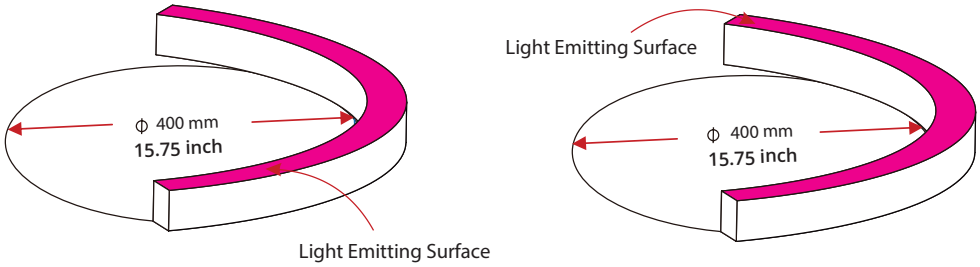
Bending Direction - Side Bending



Minimum Bending Diameter - Top Bending



Minimum Bending Diameter - Side Bending



Fixtures

SF-22H-X-01-5D-E-XXX-24DC

LED Color (3 digits)

Bending Direction (1 Digit)

Bending Direction (1 digit)	LED Color (3 digits)
0 - Top Bending (VB)	R27 - RGBW (2700K)
1 - Side Bending (HB)	R30 - RGBW (3000K)
	R40 - RGBW (4000K)

Lead Connector

FA-22H-X-00-5D-SE-X-XX-XXX-S

Length (3 Digits)

Exit Type (2 Digits)

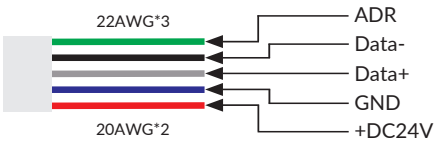
For Fixture End (1 Digit)

Bending Direction (1 Digit)

Bending Direction (1 Digit)	For Fixture End (1 digit)	Exit Type (2 digits)	Length (3 digits)
0 - Top Bending (VB)	1 - Input side	EN - End	0M3 - 0.98ft (0.3m)
1 - Side Bending (HB)	2 - Output side	BO - Bottom	01M - 3.28ft (1m)
	0 - Seamless (Bottom/End)	SL - Side Left	03M - 9.84ft (3m)
		SR - Side Right	05M - 16ft (5m)
		EJ - End jumper	10M - 32.81ft (10m)
		TF - Power T feed	000 - For End Cap
		EC - End Cap	

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

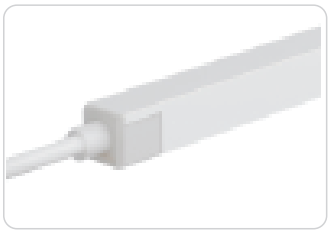
IP68: Submersible. Factory Assembly only.



Seamless

Top Bending (mm)

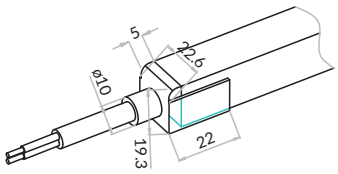
Side Bending (mm)

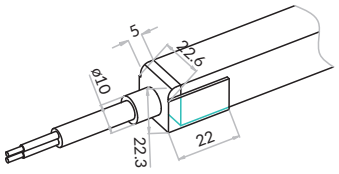


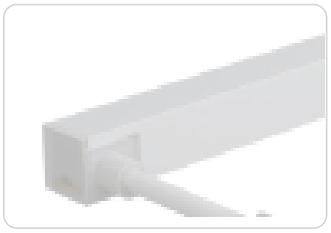
Seamless End Exit

FA-22H-0-00-5D-SE-0-EN-XXX-S

FA-22H-1-00-5D-SE-0-EN-XXX-S



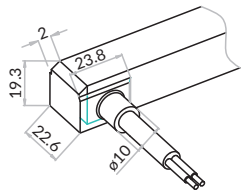


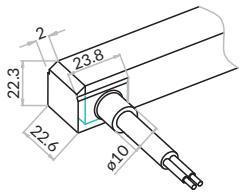


Seamless Side Exit

FA-22H-0-00-5D-SE-1-SL-XXX-S
FA-22H-0-00-5D-SE-2-SL-XXX-S
FA-22H-0-00-5D-SE-1-SR-XXX-S
FA-22H-0-00-5D-SE-2-SR-XXX-S

FA-22H-1-00-5D-SE-2-SL-XXX-S
FA-22H-1-00-5D-SE-1-SR-XXX-S



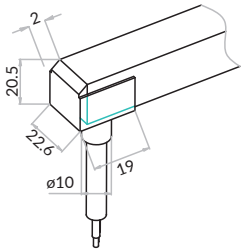


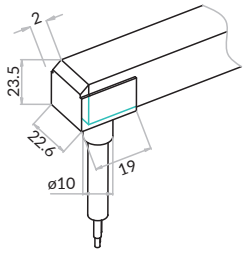


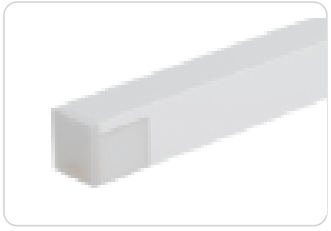
Seamless Bottom Exit

FA-22H-0-00-5D-SE-0-BO-XXX-S

FA-22H-1-00-5D-SE-0-BO-XXX-S



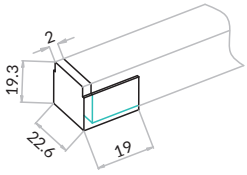


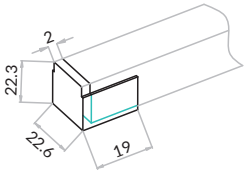


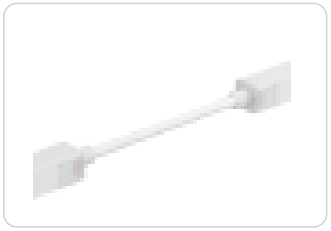
Seamless End Cap

FA-22H-0-00-5D-SE-1-EC-000-S
FA-22H-0-00-5D-SE-2-EC-000-S

FA-22H-1-00-5D-SE-1-EC-000-S
FA-22H-1-00-5D-SE-2-EC-000-S



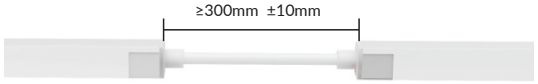


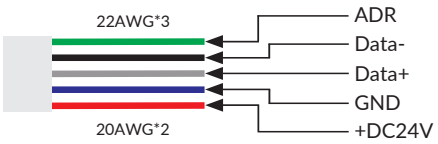


Seamless Jumper

FA-22H-0-00-5D-SE-0-EJ-XXX-S

FA-22H-1-00-5D-SE-0-EJ-XXX-S





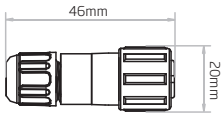
Male & Female Connectors

IP67: Plug and play. Outdoor rated.

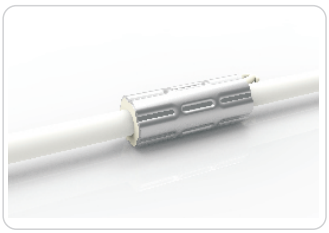


Male & Female Connectors

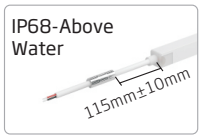
NA-XX-SL-XXA-CXX-F
NA-XX-SL-XXA-CXX-M



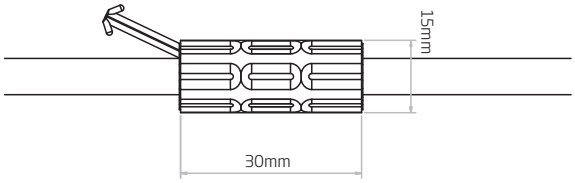
Anti-Wicking Ferrule



Anti-wicking Ferrule



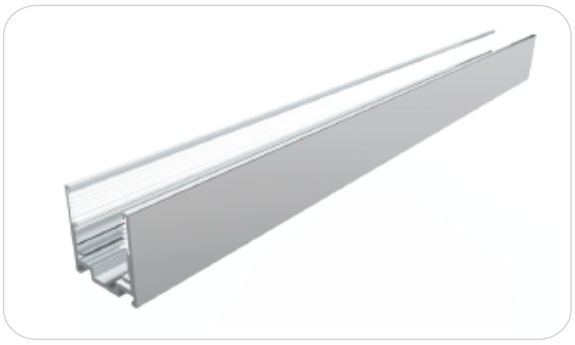


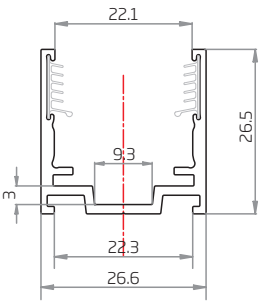


(Dimensions: mm)

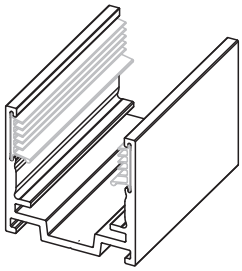
Standard Aluminum Channel with Silicone Grip

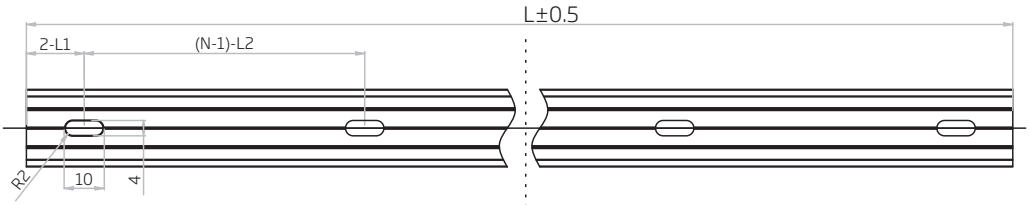
For Wave XL Top Bending





Tolerance: ±0.2mm





Note:

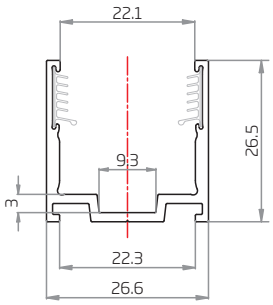
1. 2-L1 refers to two of symmetric L1 in each piece of profile.
2. (N-1)-L2 refers to (N minus one) of symmetric L2 in each piece of profile. "N" hereby stands for its corresponding "Hole Number" in the below table

W x H	Standard Length	Part Number	L1	L2	Screw Hole	Hole #
1.05 x 1.04in	0.787in (20mm)	CL-22-0-AL-02C-SE	0.39in (10mm)	/	0.39x0.16in(10x4mm)	1
(26.6 x 26.5mm)	19.69in (500mm)	CH-22-0-AL-0M5-SE	1.97in (50mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	3
	39.37in (1000mm)	CH-22-0-AL-01M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-22-0-AL-02M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10

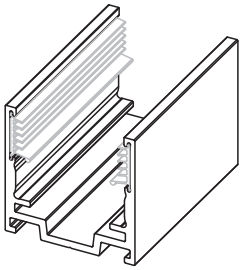
Standard Aluminum Channel with Silicone Grip

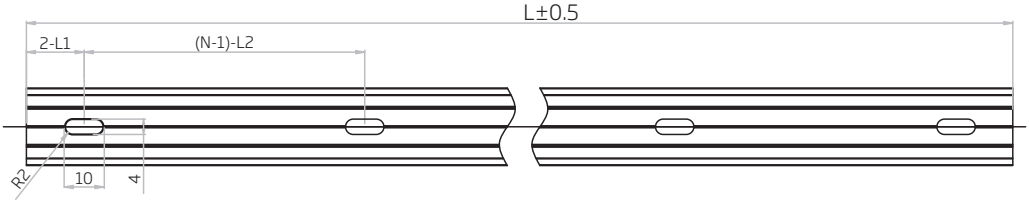
For Wave XL Side Bending





Tolerance: ±0.2mm





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	39.37in (1000mm)	CH-22-1-AL-01M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	5
	78.74in (2000mm)	CH-22-1-AL-02M-SE	3.94in (100mm)	7.87in (200mm)	0.39x0.16in(10x4mm)	10