U1
BL Flexform

Universal Bend, Linear LED Strip Lighting
Monochromatic, 24VDC, Constant Voltage

BL LIGHTING
SINCE 1986

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

Delivering up to 128lm/FT and 90+ CRI, our dimmable BL Flexform U Series LED tape flexes horizontally and vertically, and is perfect for intricate shapes in architectural backlighting, signage, channel letters, curved displays and coves of any shape or size. BL Flexform Universal Bend adapts itself to any shape, the bendable ribbon takes corners and contours with ease, allowing much sharper horizontal turns than traditional LED Tape, and eliminating the need for jumper wires to take the bends. Add energy efficient accents to coves, under cabinets, bar shelving and displays in commercial, residential, and retail environments. BL Flexform Universal Bend is compatible with BL Fixform Profiles, and UL listed, custom lengths typically ship within 1-2 days!

Up to 128 lm/FT	1.46W/FT	90+ CRI	Quick Ship

Product Detail

IP20 | LOW | DIM | Bluetooth | CE

RoHS | cULus LISTED | 5 YEAR WARRANTY

Lighting	Number of LED's	18/FT (60/m)	
	Lamp	SMD 2835	
	Beam Angle	120°	
	Average Life	50,000 Hours	
	CCT Binning	SDCM <3 LED's	
Electrical	Controls	0-10V, MLV, ELV, Phase-Cut, Triac, DMX, Bluetooth	
	Input Voltage	24VDC	
	Max Input Current	4A	
	Connections	20AWG, Copper Conductors	
	Circuit	Class 2	
Mechanical	Housing Construction	Flexible PCB Board	
	Mounting Options	Clips, Adhesive	
Environmental	Ingress Protection	IP20	
	Certifications	cULus, CE, RoHS Compliant	
	Operating Temperature	-4°F to 104°F (-20°C to 40°C)	

Performance

CCT/Color		2700K	3000K	3500K	4000K	5000K	6500K
Power	W/FT (W/m)			1.46(4.8)			
Lumens	lm/FT (lm/m)	117 (385)	117 (385)	128 (420)	128 (420)	128 (420)	122 (400)
Efficacy	lm/W	80	80	88	88	88	84
CRI	CRI			90+			
Cut Marks	inch (mm)			3.94 (100)			
Max. Length	ft (m)			16ft 4in (5m)			

Ordering

Product Code	Series	CCT	Input Voltage	IP Rating
U1	F		24	IP20
		2700K		
		3000K		
		3500K		
		4000K		
		5000K		
		6500K		

Dimensions

A Width
B Increment
C Termination Kit
D Height
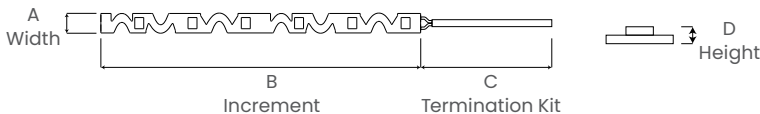
Section		A	B	C	D
				inch (mm)	
	DRY(IP20)	0.24 (6.0)	3.94 (100)	10ft(3m)	0.05 (1.2)

Bend Orientation

Vertical 90°
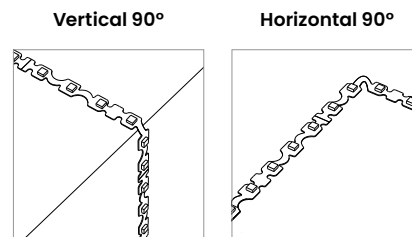
Horizontal 90°

BL Flexform U Series can be bent freely in all directions, horizontally and vertically, to a maximum of 90° at the designated bending points.

Solid State Lighting is sensitive to power fluctuations. Surge protection is highly recommended for all LED lighting products and should be on a dedicated circuit to protect against premature failure. Lack of surge protection may void your warranty.

Designed & Assembled in North America.

Specifications subject to change without notice. Please refer to our website at bllighting.com for current technical data.

For more information, please download the BL LIGHTING catalog

bllighting.com

Compatible Profile

- *Compatibility chart is for DRY (IP20) tape only*
- *Measurements in inch (mm)*
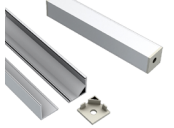
Dotting Table:

| **A** = No visible dots | **B** = Slight visible dots | **C** = Clear visible dots |

Suface Mount

CH2212
BL Fixform
0.44 (11.2)
0.77 (19.5)
Dotting **C**
Spec Sheet

S2222
BL Fixform
0.78 (19.8)
0.77 (19.5)
Dotting **C**
Spec Sheet

S2232
BL Fixform
1.20 (30.4)
0.77 (19.5)
Dotting **C**
Spec Sheet

S2221
BL Fixform
0.77 (19.5)
0.77 (19.5)
Dotting **C**
Spec Sheet

S1507
BL Fixform
0.28 (7)
0.43 (11)
Dotting **C**
Spec Sheet

S1709
BL Fixform
0.32 (8.2)
0.68 (17.4)
Dotting **C**
Spec Sheet

S1617
BL Fixform
0.63 (16)
0.69 (17.5)
Dotting **C**
Spec Sheet

S4930
BL Fixform
Requires 2 LED Strips
1.26 (32)
1.97 (50)
Dotting **A**
Spec Sheet

S2215
BL Fixform
30° Beam Spread Lens Optic
0.65 (16.6)
0.77 (19.5)
Dotting **C**
Spec Sheet

R3314
BL Fixform
45° Angle Frosted Optic
1.30 (33)
0.59 (15)
1.06 (27)
Dotting **C**
Spec Sheet

SD1616
BL Fixform
Double Sided Frosted
Lens Optic
0.63 (16)
0.63 (16)
Dotting **C**
Spec Sheet

SS1616
BL Fixform
45° Angle Frosted Optic
0.63 (16)
0.63 (16)
Dotting **C**
Spec Sheet

Compatible Profile

- Compatibility chart is for DRY (IP20) tape only
- Measurements in inch (mm)

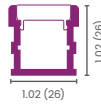**Dotting Table:**

A = No visible dots

B = Slight visible dots

C = Clear visible dots

Recessed Mount

R2626
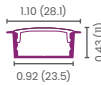BL Fixform
In-Floor Profile

Dotting **B**
Spec Sheet

1.02 (26)
1.02 (26)

RS2811
BL Fixform
3/8" Recess Depth

Dotting **C**
Spec Sheet

1.10 (28.1)
0.43 (11)
0.92 (23.5)

R2416
BL Fixform
Ceiling Flanged Extrusion

Dotting **C**
Spec Sheet

0.95 (24)
0.79 (20)
0.69 (17.5)
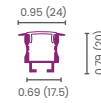
R4435
BL Fixform
Ceiling Flanged Extrusion

Dotting **B**
Spec Sheet

1.73 (44)
1.38 (35)
1.38 (35)
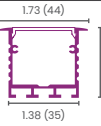
RT2414
BL Fixform
Mud-In Drywall Channel

Dotting **C**
Spec Sheet

2.82 (71.6)
0.58 (14.7)
1.24 (31.6)
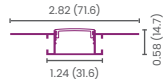
Specialty

S1905
BL Fixform
Bendable LED Channel

Dotting **C**
Spec Sheet

0.35 (9)
0.71 (18)

ST5921
BL Fixform

Dotting **C**
Spec Sheet

0.85 (21.7)
2.32 (59.1)
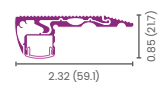
Suspended

SP2020
BL Fixform
Suspended and Surface
Mount Options Available

Dotting **C**
Spec Sheet

0.79 (20)
0.79 (20)

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