U1 RGB
BL Flexform

Universal Bend, Linear LED Strip Lighting
Color Changing, 24VDC, Constant Voltage
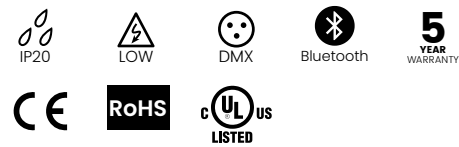
BL LIGHTING
SINCE 1986

Delivering up to 165lm/FT, our color changing U1 RGB 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, Available in IP20 and certified for dry locations, BL Flexform Universal Bend is compatible with BL Fixform Profiles, and UL listed, custom lengths typically ship within 1-2 days!

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

Up to 165 lm/FT **4.40W/FT** **Universal Bend** **Quick Ship**

Product Detail

IP20 | LOW | DMX | Bluetooth | 5 YEAR WARRANTY

CE | RoHS | c(UL)us LISTED

Lighting	Number of LED's	18/FT (60/m)	
	Lamp	SMD 2835	
	Beam Angle	120°	
	Average Life	50,000 Hours	
Electrical	Controls	DMX, Bluetooth	
	Input Voltage	24VDC	
	Max Input Current	5A	
	Connections	20AWG, Copper Conductors	
	Circuit	Class 2	
Mechanical	Housing Construction	Flexible PCB Board	
	Mounting Options	Channel, 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		RGB
Power	W/FT (W/m)	4.40 (14.4)
Lumens	lm/FT (lm/m)	165 (540)
Efficacy	lm/W	38
CRI	CRI	–
Cut Marks	inch (mm)	3.94 (100)
Max. Length	ft (m)	16ft 4in (5m)

Ordering

Product Code	Series	Color	Input Voltage	IP Rating
U1RGB	F		24	IP20
		RGB		

Dimensions

A Width
B Increment
C Termination Kit
D Height
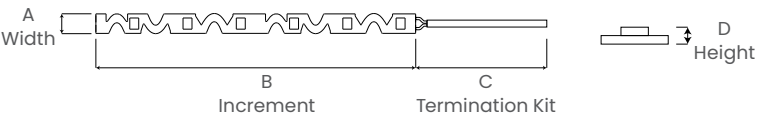
Section		A	B	C	D
		inch (mm)			
	DRY(IP20)	0.31 (8)	3.94 (100)	5ft (1.5m)	0.19 (4.8)

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.

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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

			Dotting	
	CH2212 BL Fixform	0.44 (11.2) / 0.77 (19.5)	C	Spec Sheet
	S2222 BL Fixform	0.78 (19.8) / 0.77 (19.5)	B	Spec Sheet
	S2232 BL Fixform	1.20 (30.4) / 0.77 (19.5)	A	Spec Sheet
	S2221 BL Fixform	0.77 (19.5) / 0.77 (19.5)	B	Spec Sheet
	S1507 BL Fixform	0.28 (7) / 0.43 (11)	C	Spec Sheet
	S1709 BL Fixform	0.32 (8.2) / 0.68 (17.4)	C	Spec Sheet
	S1617 BL Fixform	0.63 (16) / 0.69 (17.5)	B	Spec Sheet
	S4930 BL Fixform Requires 2 LED Strips	1.26 (32) / 1.97 (50)	A	Spec Sheet
	S2215 BL Fixform 30° Beam Spread Lens Optic	0.85 (16.6) / 0.77 (19.5)	C	Spec Sheet
	R3314 BL Fixform 45° Angle Frosted Optic	1.30 (33) / 0.59 (15) / 1.06 (27)	C	Spec Sheet

			Dotting	
	SD1616 BL Fixform Double Sided Frosted Lens Optic	0.63 (16) / 0.63 (16)	C	Spec Sheet
	SS1616 BL Fixform 45° Angle Frosted Optic	0.63 (16) / 0.63 (16)	C	Spec Sheet

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

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- *Measurements in inch (mm)*

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Recessed Mount
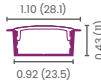
R2626
BL Fixform
In-Floor Profile

1.02 (26) / 1.02 (26)
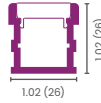
Dotting **A**
Spec Sheet
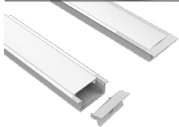
RS2811
BL Fixform
3/8" Recess Depth

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

Dotting **B**
Spec Sheet

R2416
BL Fixform
Ceiling Flanged Extrusion

0.95 (24) / 0.79 (20) / 0.69 (17.5)
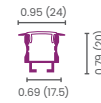
Dotting **B**
Spec Sheet

R4435
BL Fixform
Ceiling Flanged Extrusion

1.73 (44) / 1.38 (35) / 1.38 (35)
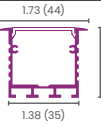
Dotting **A**
Spec Sheet

RT2414
BL Fixform
Mud-In Drywall Channel

2.82 (71.6) / 0.58 (14.7) / 1.24 (31.6)
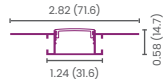
Dotting **B**
Spec Sheet

Specialty

S1905
BL Fixform
Bendable LED Channel

0.35 (9) / 0.71 (18)

Dotting **C**
Spec Sheet

ST5921
BL Fixform

0.85 (21.7) / 2.32 (59.1)
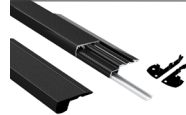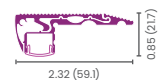
Dotting **B**
Spec Sheet

Suspended

SP2020
BL Fixform
Suspended and Surface
Mount Options Available

0.79 (20) / 0.79 (20)

Dotting **B**
Spec Sheet

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