

# BL flexFORM U1 RGB

Universal Bend, Linear LED Strip Lighting  
Color Changing, 24VDC, Constant Voltage

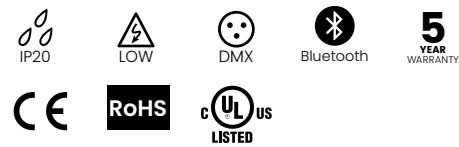


Delivering up to 165lm/FT, our color changing BL flexFORM U1 RGB Series LED tape flexes horizontally and vertically, and is perfect for intricate shapes in architectural backlighting, signage, channel letters, curved displays and coves of any shape or size. BL flexFORM Universal Bend adapts itself to 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, Available in IP20 and certified for dry locations, BL flexFORM Universal Bend is compatible with BL flexFORM 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



Lighting	Number of LED's	18/FT (60/m)
	Lamp	SMD 2835
	Beam Angle	120°
Electrical	Average Life	50,000 Hours
	Controls	DMX, Bluetooth
	Input Voltage	24VDC
	Max Input Current	5A
Mechanical	Connections	20AWG, Copper Conductors
	Circuit	Class 2
	Housing Construction	Flexible PCB Board
Environmental	Mounting Options	Channel, Clips, Adhesive
	Ingress Protection	IP20
	Certifications	cULus, CE, RoHS Compliant
	Operating Temperature	-4°F to 104°F (-20°C to 40°C)

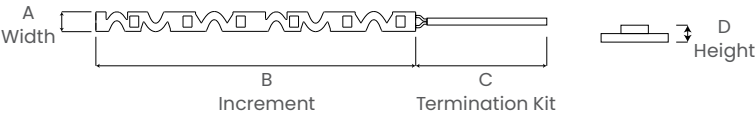
## Performance


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 - 15/16 (100)
Max. Length	ft (m)	16ft 4in (5m)

## Ordering

Product Code	IP Rating
BL flexFORM U1 RGB	IP20

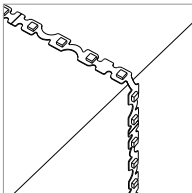
## Dimensions



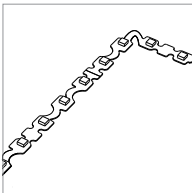
Section		A	B	C	D
		inch (mm)			
	DRY(IP20)	0.31 (8)	3.94 (100)	5ft (1.5m)	0.19 (4.8)

## 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.

## BL LIGHTING ILLUMINATE EVERYTHING

111 - 8838 Heather St. Vancouver, BC, Canada. V6P 3S8  
P: 1-804-874-4405 E: info@bllighting.com  
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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](http://bllighting.com) for current technical data.

For more information, please download the BL LIGHTING catalog

[bllighting.com](http://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



## Surface Mount

	BL fixFORM <b>SF Channel 2212</b>		Dotting <b>C</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>SF Square 2222</b>		Dotting <b>B</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>SF Rectangle 2232</b>		Dotting <b>A</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>SF Round 2221</b>		Dotting <b>B</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>SF Shallow 1709</b>		Dotting <b>C</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>SF Square 1617</b>		Dotting <b>B</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>SF Wide 4930</b> Requires 2 LED Strips		Dotting <b>A</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>SF Focus Beam</b> 30° Beam Spread Lens Optic		Dotting <b>C</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>Recessed 3314</b> 45° Angle Frosted Optic		Dotting <b>C</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>SF Single Side 45 1616</b> 45° Angle Frosted Optic		Dotting <b>C</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>SF Double Side 45</b> Double Sided Frosted Lens Optic		Dotting <b>C</b>	<a href="#">Spec Sheet</a>

## Recessed Mount

	BL fixFORM <b>Recessed 2626</b> In-Floor Profile		Dotting <b>A</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>Recessed Shallow 2811</b> 3/8" Recess Depth		Dotting <b>B</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>Recessed 2416</b> Ceiling Flanged Extrusion		Dotting <b>B</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>Recessed 4435</b> Ceiling Flanged Extrusion		Dotting <b>A</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>Recessed Trimless 2414</b> Mud-In Drywall Channel		Dotting <b>B</b>	<a href="#">Spec Sheet</a>

## Specialty

	BL fixFORM <b>SF Contour 1905</b> Bendable LED Channel		Dotting <b>C</b>	<a href="#">Spec Sheet</a>
	BL fixFORM <b>Stair Nose</b>		Dotting <b>B</b>	<a href="#">Spec Sheet</a>

## Suspended

	BL fixFORM <b>SP Round 2020</b> Suspended and Surface Mount Options Available		Dotting <b>B</b>	<a href="#">Spec Sheet</a>
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