

BL flexFORM E2.5 RGBW

Flexible, Linear LED Strip Lighting
Polychromatic, 24VDC, Constant Voltage



Integrating highly controllable RGB and true white CCT diodes into a single, dynamic chip, our flexible E2.5 RGBW LED strip is perfect for architectural accenting, and certified for indoor and outdoor use. Add color changing effects to coves, under cabinets, bar shelving, and displays, in commercial, residential, and retail environments. BL flexFORM RGBW is compatible with BL fixFORM Profiles, and UL listed, custom lengths ship within 1-2 days!

Up to 96 lm/ft

2.44W/FT

90+ CRI

Quick Ship

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

Product Detail



Lighting	Number of LED's	36 Diodes/FT (120/m)
	Lamp	SMD 5050
	Beam Angle	120°
	Average Life	50,000 Hours
Electrical	CCT Binning	SDCM <3 LED's
	Controls	DMX, Bluetooth
	Input Voltage	24VDC
	Max Input Current	5A
Mechanical	Connections	20AWG, Copper Conductors
	Circuit	Class 2
	Housing Construction	Flexible PCB Board, Silicone Jacket
	Mounting Options	Clips, Channel, Adhesive
Environmental	Ingress Protection	IP65
	Certifications	cULus, CE, RoHS Compliant
Operating Temperature		-4°F to 104°F (-20°C to 40°C)

Performance

CCT/Color		RGBW (3000K)
Power	W/FT (W/m)	2.44 (8)
Lumens	lm/FT (lm/m)	96 (314)
Efficacy	lm/W	40
CRI	CRI	90+
Increment	inch (mm)	1.97 (50)
Max. Length	ft (m)	20ft (6.1m)

Ordering

Product Code	Color	IP Rating	Profile
BL flexFORM E2.5 RGBW	RGBW(3000K)	IP20	
		IP65	

Dimensions

A

Width

B

Increment

C

End Cap
(IP65 only)

D

Height

Section		A	B	C	D
		inch (mm)			
	DRY(IP20)	0.49 (12.5)	1.97 (50)	-	0.06 (1.6)
	DMP(IP65)	0.57 (14.5)	1.97 (50)	0.63 (16)	0.24 (6)

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 SF Channel 2212		Dotting C	Spec Sheet
	BL fixFORM SF Square 2222		Dotting B	Spec Sheet
	BL fixFORM SF Rectangle 2232		Dotting B	Spec Sheet
	BL fixFORM SF Round 2221		Dotting B	Spec Sheet
	BL fixFORM SF Shallow 1709		Dotting C	Spec Sheet
	BL fixFORM SF Square 1617		Dotting B	Spec Sheet
	BL fixFORM SF Wide 4930 Requires 2 LED Strips		Dotting A	Spec Sheet
	BL fixFORM SF Focus Beam 30° Beam Spread Lens Optic		Dotting C	Spec Sheet

Recessed Mount

	BL fixFORM Recessed 2626 In-Floor Profile		Dotting B	Spec Sheet
	BL fixFORM Recessed Shallow 2811 3/8" Recess Depth		Dotting C	Spec Sheet
	BL fixFORM Recessed 2416 Ceiling Flanged Extrusion		Dotting B	Spec Sheet
	BL fixFORM Recessed 4435 Ceiling Flanged Extrusion		Dotting B	Spec Sheet
	BL fixFORM Recessed Trimless 2414 Mud-In Drywall Channel		Dotting C	Spec Sheet

Specialty

	BL fixFORM SF Contour 1905 Bendable LED Channel		Dotting C	Spec Sheet
	BL fixFORM Stair Nose		Dotting C	Spec Sheet

Suspended

	BL fixFORM SP Round 2020 Suspended and Surface Mount Options Available		Dotting B	Spec Sheet
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