DFRGBW 2
BL Flexform

Flexible, Linear LED Strip Lighting
Polychromatic, 24VDC, Constant Voltage
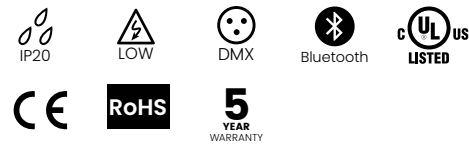
BL LIGHTING
SINCE 1986

BL Flexform Dot-Free shines a continuous ribbon of diffused illumination, completely free of dots and hotspots, eliminating the need for a diffuser lens. Integrating highly controllable RGB and true white CCT diodes into a single, dynamic chip, our flexible 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 Dot-Free RGBW is compatible with BL fixFORM Profiles and UL listed.

Up to 207 lm/ft	4.57W/FT	90+ CRI

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

Product Detail

IP20 | LOW | DMX | Bluetooth | c UL us LISTED | CE | RoHS | 5 YEAR WARRANTY

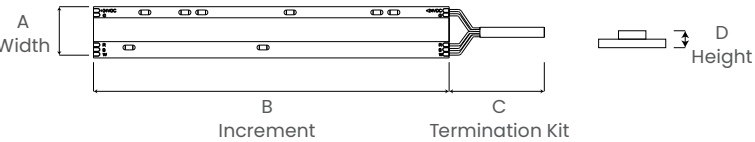|		
Lighting	Number of LED's	410 Diodes/FT (1344/m)
	Beam Angle	120°
	Average Life	50,000 Hours
	CCT Binning	SDCM <3 LED's
	Wavelength	Red (620-625nm), Green (520-525nm), Blue (470-475nm)
Electrical	Controls	DMX, Bluetooth
	Input Voltage	24VDC
	Max Input Current	0.625A
	Connections	20AWG, Copper Conductors
	Circuit	Class 2
Mechanical	Housing Construction	Flexible PCB Board, Silicone Jacket
	Mounting Options	Clips, Channel, 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		RGBW (3000K)
Power	W/FT (W/m)	4.57 (15)
Lumens	lm/FT (lm/m)	207 (680)
Efficacy	lm/W	45
CRI	CRI	90+
Increment	inch (mm)	3.28 (83.3)
Max. Length	ft (m)	16ft 4in (5m)

Ordering

Product Code	Series	Color	Input Voltage	IP Rating
DFRGBW2	F	RGBW(3000K)	24	IP20

Dimensions

A Width
B Increment
C Termination Kit
D Height

Section		A	B	C	D
		inch (mm)			
	DRY(IP20)	0.47 (12)	3.28 (83.3)	5ft(1.5m)	0.12 (3)

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

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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

CH2212
BL Fixform

Dotting **B**
Spec Sheet

0.44 (11.2)
0.77 (19.5)

S2222
BL Fixform

Dotting **A**
Spec Sheet

0.78 (19.8)
0.77 (19.5)

S2232
BL Fixform

Dotting **A**
Spec Sheet

1.20 (30.4)
0.77 (19.5)

S2221
BL Fixform

Dotting **A**
Spec Sheet

0.77 (19.5)
0.77 (19.5)

S1709
BL Fixform

Dotting **A**
Spec Sheet

0.32 (8.2)
0.68 (17.4)

S1617
BL Fixform

Dotting **A**
Spec Sheet

0.63 (16)
0.69 (17.5)

S4930
BL Fixform
Requires 2 LED Strips

Dotting **A**
Spec Sheet

1.26 (32)
1.97 (50)

S2215
BL Fixform
30° Beam Spread Lens Optic

Dotting **B**
Spec Sheet

0.65 (16.6)
0.77 (19.5)

R3314
BL Fixform
45° Angle Frosted Optic

Dotting **A**
Spec Sheet

1.30 (33)
0.59 (15)
1.06 (27)

SD1616
BL Fixform
Double Sided Frosted Lens Optic

Dotting **A**
Spec Sheet

0.63 (16)
0.63 (16)

SS1616
BL Fixform
45° Angle Frosted Optic

Dotting **A**
Spec Sheet

0.63 (16)
0.63 (16)

Recessed Mount

R2626
BL Fixform
In-Floor Profile

Dotting **A**
Spec Sheet

1.02 (26)
1.02 (26)

RS2811
BL Fixform
3/8" Recess Depth

Dotting **A**
Spec Sheet

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

R2416
BL Fixform
Ceiling Flanged Extrusion

Dotting **A**
Spec Sheet

0.95 (24)
0.79 (20)
0.69 (17.5)

R4435
BL Fixform
Ceiling Flanged Extrusion

Dotting **A**
Spec Sheet

1.73 (44)
1.38 (35)
1.38 (35)

RT2414
BL Fixform
Mud-In Drywall Channel

Dotting **A**
Spec Sheet

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

Specialty

S1905
BL Fixform
Bendable LED Channel

Dotting **A**
Spec Sheet

0.35 (9)
0.71 (18)

ST5921
BL Fixform

Dotting **A**
Spec Sheet

0.85 (21.7)
2.32 (59.1)

Suspended

SP2020
BL Fixform
Suspended and Surface Mount Options Available

Dotting **A**
Spec Sheet

0.79 (20)
0.79 (20)