RGBW 2
BL Flexform

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

BL LIGHTING
SINCE 1986

Integrating highly controllable RGB and true white CCT diodes into a single, dynamic chip, our flexible RGBW 2 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. RGBW 2 is compatible with BL Fixform Profiles, and UL listed, custom lengths ship within 1-2 days!

Up to 171 lm/ft	4.5W/FT	90+ CRI	Quick Ship

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

Product Detail

IP65 · LOW · DMX · Bluetooth · c(UL)us LISTED · CE · RoHS · 5 YEAR WARRANTY

Lighting	Number of LED's	18 Diodes/FT (60/m)
	Lamp	SMD 5050
	Beam Angle	120º
	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	5A
	Connections	20AWG, Copper Conductors
	Circuit	Class 2
Mechanical	Housing Construction	Flexible PCB Board, Silicone Jacket
	Mounting Options	Clips, Channel, Adhesive
Environmental	Ingress Protection	IP65
	Certifications	cULus, CE, RoHS Compliant
	Operating Temperature	-4ºF to 104ºF (-20ºC to 40ºC)

Performance

CCT/Color		RGBW (3000K)
Power	W/FT (W/m)	4.5(14.8)
Lumens	lm/FT (lm/m)	171 (561)
Efficacy	lm/W	38
CRI	CRI	90+
Increment	inch (mm)	3.94 (100)
Max. Length	ft (m)	20ft (6.1m)

Ordering

Product Code	Series	Color	Input Voltage	IP Rating
RGBW2	F		24	
		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)	3.94 (100)	–	0.06 (1.6)
	DMP(IP65)	0.57 (14.5)	3.94 (100)	0.63 (16)	0.24 (6)

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

			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) × 0.60 (15)	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	0.65 (16.6) × 0.77 (19.5)	C	Spec Sheet

Recessed Mount

			Dotting	
	R2626 BL Fixform In-Floor Profile	1.02 (26) × 1.02 (26)	A	Spec Sheet
	RS2811 BL Fixform 3/8" Recess Depth	1.10 (28.1) × 0.43 (11) × 0.92 (23.5)	C	Spec Sheet
	R2416 BL Fixform Ceiling Flanged Extrusion	0.95 (24) × 0.79 (20) × 0.69 (17.5)	C	Spec Sheet
	R4435 BL Fixform Ceiling Flanged Extrusion	1.73 (44) × 1.38 (35) × 1.38 (35)	A	Spec Sheet
	RT2414 BL Fixform Mud-In Drywall Channel	2.82 (71.6) × 0.58 (14.7) × 1.24 (31.6)	C	Spec Sheet

Specialty

			Dotting	
	S1905 BL Fixform Bendable LED Channel	0.35 (9) × 0.71 (18)	C	Spec Sheet
	ST5921 BL Fixform	0.85 (21.7) × 2.32 (59.1)	C	Spec Sheet

Suspended

			Dotting	
	SP2020 BL Fixform Suspended and Surface Mount Options Available	0.79 (20) × 0.79 (20)	B	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.

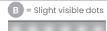For more information, please download the BL LIGHTING catalog

bllighting.com