BL flexFORM D2

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

BL LIGHTING
SINCE 1986

Delivering up to 240 lm/FT, and certified for indoor and outdoor use, our flexible, dimmable, LED ribbon has a high density of LEDs and a cutting increment of less than 2", for integration into the most detailed designs. Add architectural accents to coves, under cabinets, bar shelving and displays, in commercial, residential, and retail environments. BL flexFORM D2 is available in IP20 or IP65 rated for wet locations, is compatible with BL fixFORM Profiles, UL listed and Title 24 JA8 compliant, custom lengths typically ship within 1-2 days!

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

Up to 240 lm/ft **3W/FT** **90+ CRI** **Quick Ship** **Title 24 Compliant**

Product Detail

IP20 IP65 LOW DIM Bluetooth

CE RoHS c(UL)us LISTED TITLE 24 JA8 COMPLIANT 5 YEAR WARRANTY

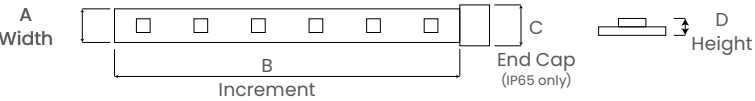|		
Lighting	Number of LED's	36 Diodes/FT (118/m)
	Lamp	SMD 3528
	Beam Angle	120°
	Average Life	50,000 Hours
	CCT Binning	SDCM <3 LED's
Electrical	Controls	0-10V, MLV, ELV, Phase-Cut, Triac, DMX, Bluetooth
	Input Voltage	24VDC
	Max Input Current	5A
	Connections	20AWG, Copper Conductors
	Circuit	Class 2
Mechanical	Housing Construction	Flexible PCB Board, Silicone Jacket
	Mounting Options	Clips, Channel, Adhesive
Environmental	Ingress Protection	IP20, IP65
	Certifications	cULus, CE, RoHS Compliant, Title 24 JA8 Compliant
	Operating Temperature	-4°F to 104°F (-20°C to 40°C)

Performance

CCT/Color		2400K	2700K	3000K	3500K	4000K	5500K	Red	Green	Blue	Amber
Power	W/FT (W/m)	3.0(9.9)						3.1(10.2)	3.3(10.8)	3.4(11.2)	2.8(9.2)
Lumens	lm/FT (lm/m)	162 (531)	179 (587)	209 (685)	250 (820)	236 (774)	227 (744)	30 (98)	114 (374)	36 (118)	50 (164)
Efficacy	lm/W	54	60	70	83	79	76	10	35	11	18
CRI	CRI	90+						–	–	–	–
Increment	inch (mm)	1 - 15/16 (50)									
Max. Length	ft (m)	32ft 8in (10m)								29ft (8.8m)	32ft 8in (10m)

Ordering

Product Code	CCT/Color	IP Rating	Profile
BL flexFORM D2			
	2400K	IP20	
	2700K	IP65	
	3000K		
	3500K		
	4000K		
	5500K		
	Red		
	Green		
	Blue		
	Amber		

Dimensions

A Width
B Increment
C End Cap (IP65 only)
D Height

Section		A	B	C	D
		inch (mm)			
	DRY(IP20)	0.31 (8.0)	1.96 (50)	–	0.06 (1.6)
	DMP(IP65)	0.47 (12)	1.96 (50)	0.55 (14)	0.2 (4.5)

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 downlad the BL LIGHTING catalog

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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
	BL fixFORM **SF Channel 2212**	0.44 (11.2) / 0.77 (19.5)	C — Spec Sheet
	BL fixFORM **SF Square 2222**	0.78 (19.8) / 0.77 (19.5)	A — Spec Sheet
	BL fixFORM **SF Rectangle 2232**	1.20 (30.4) / 0.77 (19.5)	A — Spec Sheet
	BL fixFORM **SF Round 2221**	0.77 (19.5) / 0.77 (19.5)	A — Spec Sheet
	BL fixFORM **SF Shallow 1709**	0.32 (8.2) / 0.68 (17.4)	C — Spec Sheet
	BL fixFORM **SF Square 1617**	0.63 (16) / 0.69 (17.5)	A — Spec Sheet
	BL fixFORM **SF Wide 4930** Requires 2 LED Strips	1.26 (32) / 1.97 (50)	A — Spec Sheet
	BL fixFORM **SF Focus Beam** 30° Beam Spread Lens Optic	0.65 (16.6) / 0.77 (19.5)	C — Spec Sheet
	BL fixFORM **SF Single Side 45** 45° Angle Frosted Optic	0.73 (18.5) / 0.73 (18.5)	A — Spec Sheet
	BL fixFORM **SF Single Side 45 1616** 45° Angle Frosted Optic	0.63 (16) / 0.63 (16)	B — Spec Sheet
	BL fixFORM **SF Double Side 45** Double Sided Frosted Lens Optic	0.63 (16) / 0.63 (16)	B — Spec Sheet

Recessed Mount

			Dotting
	BL fixFORM **Recessed 2626** In-Floor Profile	1.02 (26) / 1.02 (26)	A — Spec Sheet
	BL fixFORM **Recessed Shallow 2811** 3/8" Recess Depth	1.10 (28.1) / 0.43 (11) / 0.92 (23.5)	C — Spec Sheet
	BL fixFORM **Recessed 2416** Ceiling Flanged Extrusion	0.95 (24) / 0.79 (20) / 0.69 (17.5)	B — Spec Sheet
	BL fixFORM **Recessed 4435** Ceiling Flanged Extrusion	1.73 (44) / 1.38 (35) / 1.38 (35)	A — Spec Sheet
	BL fixFORM **Recessed Trimless 2414** Mud-In Drywall Channel	2.82 (71.6) / 0.58 (14.7) / 1.24 (31.6)	C — Spec Sheet

Specialty

			Dotting
	BL fixFORM **SF Contour 1905** Bendable LED Channel	0.35 (9) / 0.71 (18)	C — Spec Sheet
	BL fixFORM **Stair Nose**	0.85 (21.7) / 2.32 (59.1)	C — Spec Sheet

Suspended

			Dotting
	BL fixFORM **SP Round 2020** Suspended and Surface Mount Options Available	0.79 (20) / 0.79 (20)	B — Spec Sheet

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Colorimetric Details

CCT	CRI	R9	Rf	Rg
3000K	97	95	96	103

Rf: 96   CCT: 3068K   u': 0.2490
Rg: 103   Duv: −0.0022   v': 0.5169

Color Vector Graphic

96 Rf   103 Rg

CCT 3068K   Duv −0.0022

BL LIGHTING
ILLUMINATE EVERYTHING

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