D2
BL Flexform

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   cULus LISTED   TITLE 24 JA8 COMPLIANT   5 YEAR WARRANTY

|			
Lighting	Number of LED's	36 Diodes/FT (118/m)	
	Lamp	SMD 3528	
	Beam Angle	120°	
	Calculated Lifetime	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)	1.96 (50)									
Max. Length	ft (m)	32ft 8in (10m)								29ft (8.8m)	32ft 8in (10m)

Ordering

Product Code	Series	CCT/Color	Input Voltage	IP Rating
D2	F		24	
		2400K		IP20
		2700K		IP65
		3000K		
		3500K		
		4000K		
		5500K		
		Red		
		Green		
		Blue		
		Amber		

Dimensions

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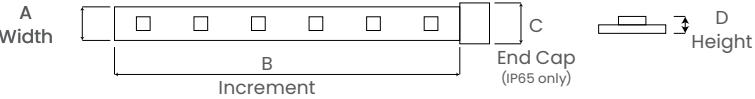
Section		A	B	C	D
		inch (mm)			
	DRY(IP20)	0.31 (8.0)	1.96 (50)	–	0.06 (1.6)
	DMP(IP65)	0.47 (12)	1.96 (50)	0.55 (14)	0.2 (4.5)

D2
BL Flexform

Compatible Profile

- Compatibility chart is for DRY (IP20) tape only
- Measurements in inch (mm)

Dotting Table:

A = No visible dots

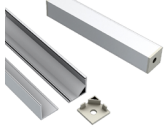B = Slight visible dots

C = Clear visible dots

Surface Mount

Profile	Details	Dimensions	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)	A — 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)	A — 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)	A — 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
R3314	BL Fixform — 45° Angle Frosted Optic	1.30 (33) / 0.59 (15) / 1.06 (27)	A — Spec Sheet
SD1616	BL Fixform — Double Sided Frosted Lens Optic	0.63 (16) × 0.63 (16)	B — Spec Sheet
SS1616	BL Fixform — 45° Angle Frosted Optic	0.63 (16) × 0.63 (16)	B — Spec Sheet

For more information, please download the BL LIGHTING catalog

bllighting.com

Compatible Profile

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- Measurements in inch (mm)

Dotting Table:

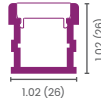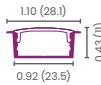| A | = No visible dots |
| B | = Slight visible dots |
| C | = Clear visible dots |

Recessed Mount

R2626
BL Fixform
In-Floor Profile

1.02 (26)
1.02 (26)

Dotting **A**
Spec Sheet

RS2811
BL Fixform
3/8" Recess Depth

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

Dotting **C**
Spec Sheet

R2416
BL Fixform
Ceiling Flanged Extrusion

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

Dotting **B**
Spec Sheet

R4435
BL Fixform
Ceiling Flanged Extrusion

1.73 (44)
1.38 (35)
1.38 (35)
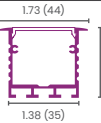
Dotting **A**
Spec Sheet

RT2414
BL Fixform
Mud-In Drywall Channel

2.82 (71.6)
0.58 (14.7)
1.24 (31.6)
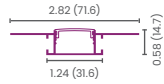
Dotting **C**
Spec Sheet

Specialty

S1905
BL Fixform
Bendable LED Channel

0.35 (9)
0.71 (18)

Dotting **C**
Spec Sheet

ST5921
BL Fixform

0.85 (21.7)
2.32 (59.1)
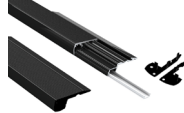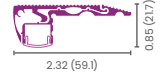
Dotting **C**
Spec Sheet

Suspended

SP2020
BL Fixform
Suspended and Surface
Mount Options Available

0.79 (20)
0.79 (20)

Dotting **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

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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

Spectrum — Test Source / Ref Source — WaveLength(nm)

Local Chroma Shift — Hue Bin
0%, 1%, 1%, −1%, 1%, 3%, 2%, 3%, 2%, 1%, 3%, 3%, 3%, 3%, 3%, 1%

Local Hue Shift — Hue Bin
0.00, 0.00, 0.01, −0.01, 0.01, 0.02, 0.00, −0.01, −0.01, 0.00, 0.02, 0.00, −0.04, −0.03, −0.02, −0.04

Local Color Fidelity — Hue Bin
97, 98, 96, 96, 97, 95, 95, 96, 96, 98, 95, 95, 94, 93, 94, 93

Local Sample Fidelity

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