DFD1
BL Flexform

Flexible, Linear LED Strip Lighting
Monochromatic, 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. BL Flexform Dot-Free is ideal for use around highly reflective surfaces such as marble countertops and high gloss tiles, and the extremely low profile is perfect for tight spaces with low clearance. Available in IP20 or IP65 rated for wet locations, and can be quick-shipped in just 1-2 days.

Up to 120 lm/ft	1.22W/FT	90+ CRI	Quick Ship

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

Product Detail

+DC24V +DC24V · +DC24V +DC24V · c(UL)us LISTED · +DC24V +DC24V · +DC24V +DC24V
GND GND · GND GND · GND GND · GND GND

IP20 · IP65 · LOW · DIM · Bluetooth
CE · RoHS · c(UL)us LISTED · TITLE 24 JA8 COMPLIANT · 5 YEAR WARRANTY

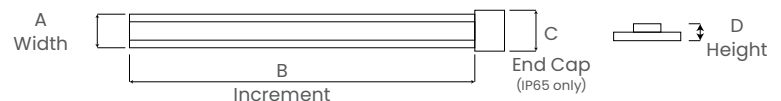|		
Lighting	Number of LED's	146 Diodes/FT (478/m)
	Beam Angle	120°
	Average Life	50,000 Hours
	CCT Binning	SDCM <3 LED's
Electrical	Controls	0-10V, MLV, ELV, Phase-Cut, Triac, DMX, Bluetooth
	Input Voltage	24VDC
	Max Input Current	4A
	Connections	20AWG, Copper Conductors
	Circuit	Class 2
Mechanical	Housing Construction	Flexible PCB Board, Silicone Jacket
	Mounting Options	Clips, Channel, Adhesive
Environmental	Ingress Protection	IP20, IP65
	Certifications	cULus, CE, RoHS Compliant
	Operating Temperature	-4°F to 104°F (-20°C to 40°C)

Performance

CCT/Color		2700K	3000K	3500K	4000K	6500K
Power	W/FT (W/m)	1.22 (4)				
Lumens	lm/FT (lm/m)	105 (345)	112 (366)	112 (366)	120 (392)	120 (392)
Efficacy	lm/W	86	92	92	98	98
CRI	CRI	90+				
Increment	inch (mm)	1.97 (50)				
Max. Length	ft (m)	16ft 4in (5m)				

Ordering

Product Code	Series	CCT	Input Voltage	IP Rating
DFD1	F		24	
		2700K		IP20
		3000K		IP65
		3500K		
		4000K		
		6500K		

Dimensions

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

Section		A	B	C	D
		inch (mm)			
	DRY(IP20)	0.39 (10)	1.97 (50)	-	0.08 (2)
	DMP(IP65)	0.47 (12)	1.97 (50)	0.55 (14)	0.22 (5.5)

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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

0.44 (11.2)
0.77 (19.5)

Dotting **A**
Spec Sheet

SD1616
Double Sided Frosted Lens Optic

0.63 (16)
0.63 (16)

Dotting **A**
Spec Sheet

S2222
BL Fixform

0.78 (19.8)
0.77 (19.5)

Dotting **A**
Spec Sheet

SS1616
BL Fixform
45° Angle Frosted Optic

0.63 (16)
0.63 (16)

Dotting **A**
Spec Sheet

S2232
BL Fixform

1.20 (30.4)
0.77 (19.5)

Dotting **A**
Spec Sheet

S2221
BL Fixform

0.77 (19.5)
0.77 (19.5)

Dotting **A**
Spec Sheet

S1507
BL Fixform

0.28 (7)
0.60 (15)

Dotting **A**
Spec Sheet

S1709
BL Fixform

0.32 (8.2)
0.68 (17.4)

Dotting **A**
Spec Sheet

S1617
BL Fixform

0.63 (16)
0.69 (17.5)

Dotting **A**
Spec Sheet

S4930
BL Fixform
Requires 2 LED Strips

1.26 (32)
1.97 (50)

Dotting **A**
Spec Sheet

S2215
BL Fixform
30° Beam Spread Lens Optic

0.65 (16.6)
0.77 (19.5)

Dotting **A**
Spec Sheet

R3314
BL Fixform
45° Angle Frosted Optic

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

Dotting **A**
Spec Sheet

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Compatible Profile

- *Compatibility chart is for DRY (IP20) tape only*

- *Measurements in inch (mm)*

Dotting Table:
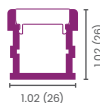
A = No visible dots

B = Slight visible dots

C = Clear visible dots

Recessed Mount
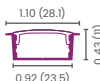
R2626
BL Fixform
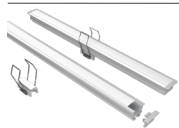In-Floor Profile

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)
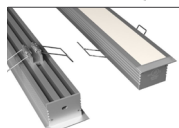
R4435
BL Fixform
Ceiling Flanged Extrusion

Dotting **A**
Spec Sheet

1.73 (44)
1.38 (35)
1.38 (35)
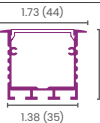
RT2414
BL Fixform
Mud-In Drywall Channel

Dotting **A**
Spec Sheet

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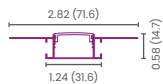
Specialty

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)

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