

# BL flexFORM Dot-Free D1

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



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



|               |                       |   |
|---------------|-----------------------|---|
| Lighting      | Number of LED's       | 146 Diodes/FT (478/m)                             |
|               | Beam Angle            | 120°  |
|               | Average Life          | 50,000 Hours                                      |
| Electrical    | CCT Binning           | SDCM <3 LED's                                     |
|               | Controls              | 0-10V, MLV, ELV, Phase-Cut, Triac, DMX, Bluetooth |
|               | Input Voltage         | 24VDC   |
|               | Max Input Current     | 4A  |
|               | Connections           | 20AWG, Copper Conductors                          |
| Mechanical    | Circuit               | Class 2   |
|               | 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)                     |

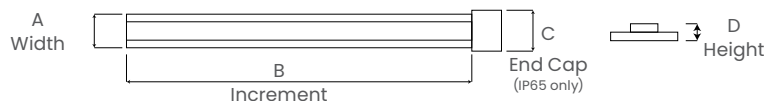
## Performance

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

## Ordering

| Product Code            | CCT   | IP Rating | Profile |
|-------------------------|-------|-----------|---------|
| BL flexFORM Dot-Free D1 |       |           |         |
|                         | 2700K | IP20      |         |
|                         | 3000K | IP65      |         |
|                         | 4000K |           |         |
|                         | 6500K |           |         |

## Dimensions



| 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) |

## BL LIGHTING ILLUMINATE EVERYTHING

111 - 8838 Heather St. Vancouver, BC, Canada. V6P 3S8  
P: 1-804-874-4405 E: info@bllighting.com  
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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



## Surface Mount

|  |   |  |                     |                            |
|--|---|--|---------------------|----------------------------|
|  | BL fixFORM<br><b>SF Channel 2212</b>                                      |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>SF Square 2222</b>                                       |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>SF Rectangle 2232</b>                                    |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>SF Round 2221</b>  |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>SF Shallow 1709</b>                                      |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>SF Square 1617</b>                                       |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>SF Wide 4930</b><br>Requires 2 LED Strips                |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>SF Focus Beam</b><br>30° Beam Spread Lens Optic          |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>SF Single Side 45</b><br>45° Angle Frosted Optic         |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>SF Single Side 45 1616</b><br>45° Angle Frosted Optic    |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>SF Double Side 45</b><br>Double Sided Frosted Lens Optic |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |

## Recessed Mount

|  |   |  |                     |                            |
|--|---|--|---------------------|----------------------------|
|  | BL fixFORM<br><b>Recessed 2626</b><br>In-Floor Profile                |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>Recessed Shallow 2811</b><br>3/8" Recess Depth       |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>Recessed 2416</b><br>Ceiling Flanged Extrusion       |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>Recessed 4435</b><br>Ceiling Flanged Extrusion       |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>Recessed Trimless 2414</b><br>Mud-In Drywall Channel |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |

## Specialty

|  |  |  |                     |                            |
|--|--|--|---------------------|----------------------------|
|  | BL fixFORM<br><b>SF Contour 1905</b><br>Bendable LED Channel |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|  | BL fixFORM<br><b>Stair Nose</b>                              |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |

## Suspended

|  |   |  |                     |                            |
|--|---|--|---------------------|----------------------------|
|  | BL fixFORM<br><b>SP Round 2020</b><br>Suspended and Surface Mount Options Available |  | Dotting<br><b>A</b> | <a href="#">Spec Sheet</a> |
|--|---|--|---------------------|----------------------------|

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