

# B5

BL Flexform

Universal Bend Flexible LED Optic Wall Grazer,  
Monochromatic, 24VDC, Constant Voltage



Delivering up to 540 lumens per foot, B5 Optic Wall Grazer Series is a powerful LED solution that flexes both horizontally and vertically and is perfect for architectural, signage, curved displays and coves of any shape or size. B5 adapts itself to any shape, the bendable LED Wall Grazer takes corners and contours with ease, allowing much sharper horizontal turns than traditional LED tape or rigid fixtures, eliminating the need for jumper wires to take the bends. Custom tailored continuous run lengths up to 15ft. Available in 2700K, 3000K or 4000K.

Up to 540 lm/ft

5.8W/FT

90+ CRI

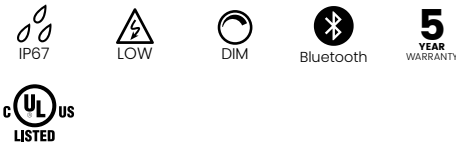
Universal Bend

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

## Product Detail



<b>Lighting</b>	Number of LED's	8 Diodes/FT (26/m)
	Lamp	SMD 2835
	Beam Angle	30°, 30°x50° (Custom 10° and 110° Also Available)
	Average Life	50,000 Hours
	CCT Binning	SDCM <3 LED's
<b>Electrical</b>	Controls	0-10V, MLV, ELV, Phase-Cut, Triac, DMX, Bluetooth
	Input Voltage	24VDC
	Max Input Current	4A
	Connections	20AWG, Copper Conductors
	Circuit	Class 2
<b>Mechanical</b>	Housing Construction	Polyurethane & Polycarbonate Lens
	Mounting Options	Clips
	Ingress Protection	IP67
<b>Environmental</b>	Certifications	cULus
	Operating Temperature	-4°F to 104°F (-20°C to 40°C)



## Performance

### Beam Angle: 30°

CCT/Color		2700K	3000K	4000K
Power	W/FT (W/m)	5.8 (19)		
Lumens	lm/FT (lm/m)	490 (1,607)	520 (1,706)	540 (1,771)
Efficacy	lm/W	85	90	95
CRI	CRI	90+		
Increment	inch (mm)	12 (305)		
Max. Length	ft (m)	15 (4.57)		

### Beam Angle: 30° x 50°

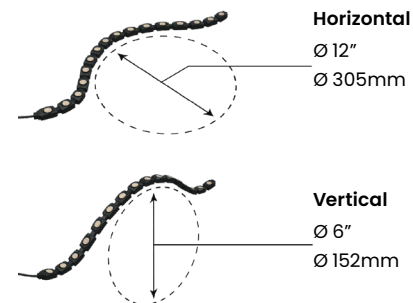
CCT/Color		2700K	3000K	4000K
Power	W/FT (W/m)	5.8 (19)		
Lumens	lm/FT (lm/m)	460 (1,509)	490 (1,607)	520 (1,706)
Efficacy	lm/W	80	85	90
CRI	CRI	90+		
Increment	inch (mm)	12 (305)		
Max. Length	ft (m)	15 (4.57)		

\*Custom 10° and 110° beam angles also available.

## Ordering

Product Code	Series	CCT	Beam Angle	Input Voltage	IP Rating
B5	F			24	IP67
		2700K	10°		
		3000K	30°		
		4000K	30° x 50°		
			110°		

## Minimum Bend Diameter



**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.

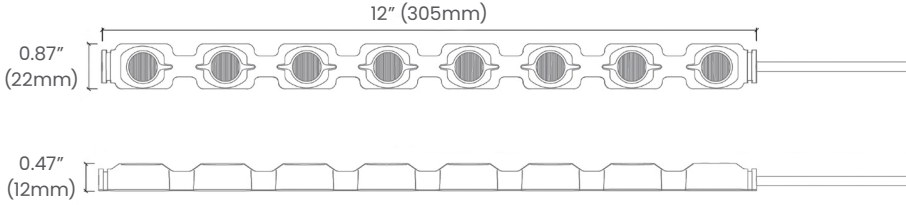
Specifications subject to change without notice. Please refer to our website at bllighting.com for current technical data.

For more information, please download the BL LIGHTING catalog

bllighting.com



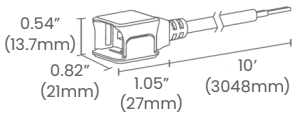
**Dimensions**



**Accessories**

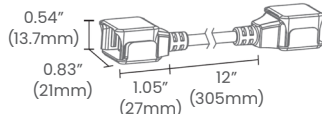
**Termination Kit\***

**B5TK20**



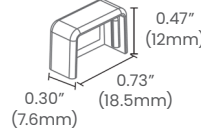
**Jumper Connector\***

**B5JC20**



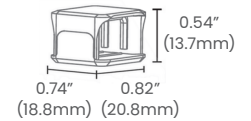
**End Cap\***

**B5EC20**



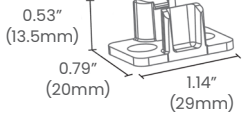
**Splice Connector\***

**B5SC20**



**Mounting Clip**

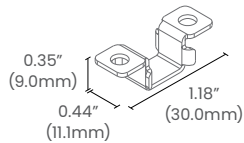
**B5CP**



**Material:** Clear Plastic

**Mounting Clip**

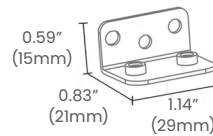
**B5CPST**



**Material:** Stainless Steel

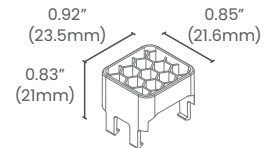
**90° Angle Bracket**

**B5AB**



**LED Louver**

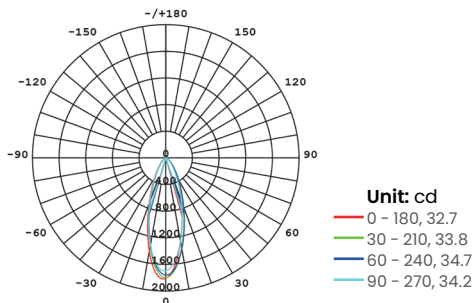
**B5LL**



\*UV curing adhesive during assembly is required to reach IP65 ingress protection.

**Photometric Details**

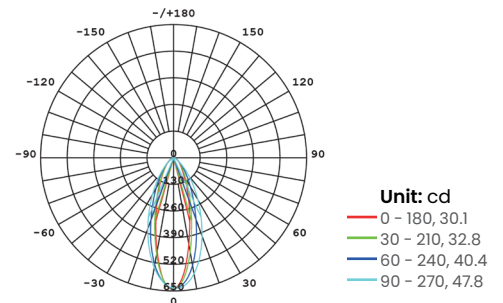
**Beam Angle: 30° (3000K)**



Average Beam Angle (50%): 33.9°

Mtg Height	Light Level	Beam Diameter
3.28ft (1m)	168.8 fc	1.97ft (0.6m)
6.56ft (2m)	42.1 fc	3.78ft (1.15m)
9.84ft (3m)	18.8 fc	5.68ft (1.73m)
13.12ft (4m)	10.5 fc	7.58ft (2.31m)

**Beam Angle: 30° x 50° (3000K)**



Average Beam Angle (50%): 37.8°

Mtg Height	Light Level	Beam Diameter
3.28ft (1m)	59.4 fc	1.73ft (0.5m)
6.56ft (2m)	14.9 fc	3.51ft (1.07m)
9.84ft (3m)	6.6 fc	5.28ft (1.61m)
13.12ft (4m)	3.7 fc	7.05ft (2.151m)

