

BL flexFORM B5

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



Delivering up to 540 lumens per foot, BL flexFORM 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. BL flexFORM 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

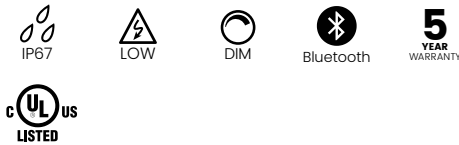
5.8W/FT

90+ CRI

Universal Bend

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

Product Detail



Lighting	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
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	Polyurethane & Polycarbonate Lens
	Mounting Options	Clips
	Minimum Bend Radius	Vertical: 2.95" (75mm) Horizontal: 5.90" (150mm)
Environmental	Ingress Protection	IP67
	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	Beam	CCT	IP Rating
BL flexFORM UBWW B5			
	10°	2700K	IP67
	30°	3000K	
	30° x 50°	4000K	
	110°		

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.

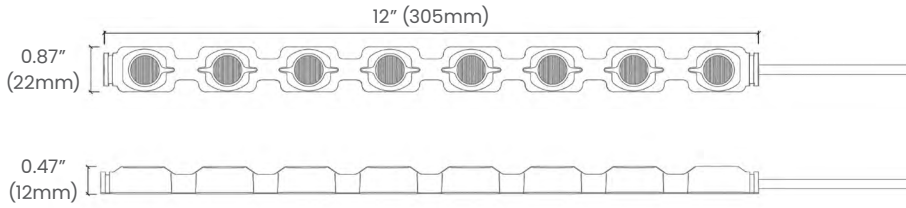
Specifications subject to change without notice. Please refer to our website at bllighting.com for current technical data.

For more information,
please download the
BL LIGHTING catalog

bllighting.com



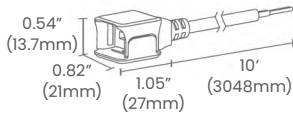
Dimensions



Accessories

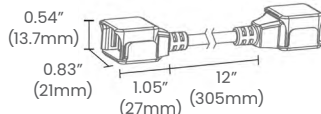
Termination Kit*

BL flexFORM B5TK20



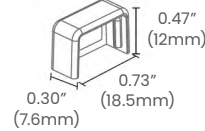
Jumper Connector*

BL flexFORM B5JC20



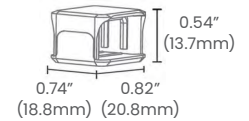
End Cap*

BL flexFORM B5EC20



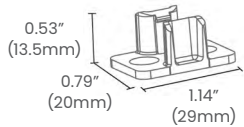
Splice Connector*

BL flexFORM B5SC20



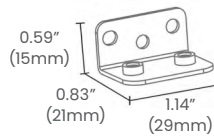
Mounting Clip

BL flexFORM B5CP



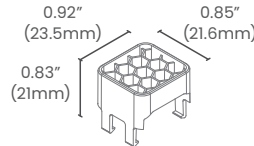
90° Angle Bracket

BL flexFORM B5AB



LED Louver

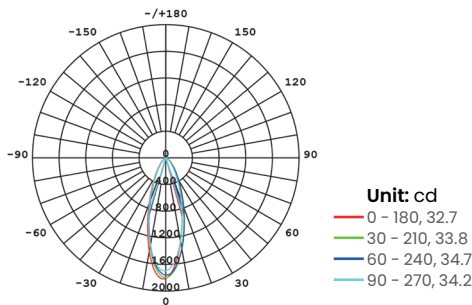
BL flexFORM B5LL



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

Photometric Details

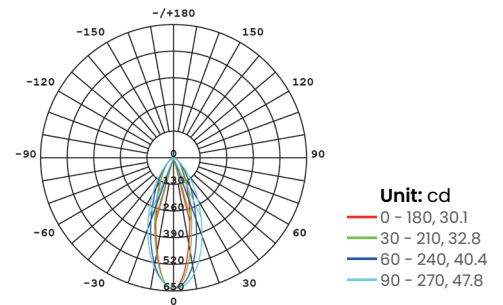
Beam Angle: 30° (3000K)



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 (2.15m)

