

Flat Select

BL Select Neon

Diffused, Flexible, Linear LED Lighting,
24VDC, Constant Voltage
Flat Profile, Silicone, Single Color

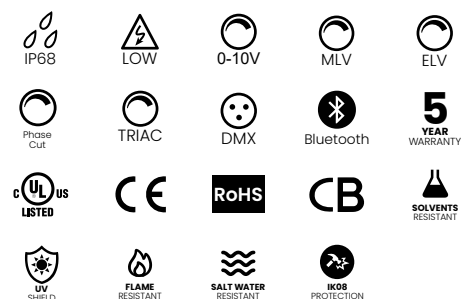


Flat Select features a fully flexible silicone-encapsulated diffuser designed for smooth curves, delivering clean, uniform illumination with 18LEDs/ft at 3.66W on a 24V constant-voltage system and up to 173 lm/ft of output. Its IP68 waterproof, UV-resistant construction and cuttable design ensure reliable, customizable use for both indoor and outdoor applications, making it ideal for facades, building outlines, signage, channel letters, and linear accent lighting in retail and hospitality environments.

Dot-free Seamless connections -40°F to 131°F (-40°C to 55°C)

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

Product Detail



Lighting	Lamp	LED, SMD 5050
	LED's Per Foot	18 LEDs/ft (60 LEDs/m)
	Beam Angle	120°
	Average Life	50,000 Hours
	CCT Binning	SDCM < 3, One Step Binning
Electrical	Controls	0-10V, MLV, ELV, Phase-Cut, TRIAC, DMX, Bluetooth
	Input Voltage	24VDC
	Max Input Current	4.12A
	Connections	2x18AWG Wires
	Power Cable Length	Standard 10ft (3m). Also available in 16ft (5m)
Mechanical	Circuit	Class 2
	Housing Construction	Injection Moulded White Silicone
	Mounting	Mounting Clips, Mounting Channel
	Weight	0.27 lb/ft, 0.4 kg/m
	Dimensions	W: 0.45"x H: 0.83" (W: 11.5mm x H: 21mm)
Environmental	Minimum Bend Radius	1.57" (40mm)
	Operating Temperature	-40°F to 131°F (-40°C to 55°C)
	Ingress Protection	IP68
	Impact Protection	IK08
	Resistance	UV, Flame, Solvents, Saltwater and Dirt Resistant
Certifications		cULus, CE, RoHS Compliant, CB

Ordering

Product Code	Series	CCT/Color	Input Voltage	IP Rating
F	SEN		24	IP68
		2200K		
		2500K		
		2700K		
		3000K		
		3500K		
		4000K		
		4500K		
		5000K		
		5700K		
		6500K		
		Green		
		Blue		
		Pink		

Note:
Lengths, Lead Orientations & Mounting Accessories for
BL Select Neon must be confirmed at time of order.

BL LIGHTING ILLUMINATE EVERYTHING

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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



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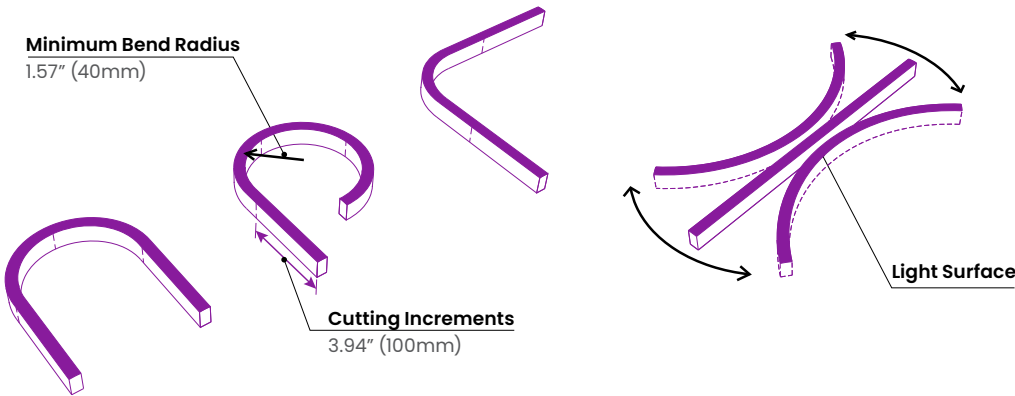


Performance

CCT/Color		2200K	2500K	2700K	3000K	3500K	4000K	4500K	5000K	5700K	6500K
Power	W/FT (W/m)	3.66(12)									
Lumens	lm/FT (lm/m)	119(390)	138(453)	165(541)	173(567)	161(529)	173(568)	153(502)	156(513)	165(540)	171(561)
Efficacy	lm/W	33	38	45	47	44	47	42	43	45	47
CRI	CRI	80+									
Increment	inch (mm)	3.94(100)									
Max. Length	ft (m)	26.6ft(8.1m)									

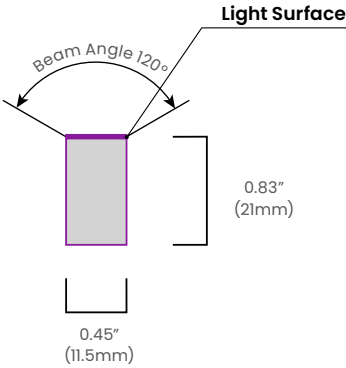
CCT/Color		Green	Blue	Pink
Power	W/FT (W/m)	3.66(12)		
Lumens	lm/FT (lm/m)	60.4(198)	4.88(16)	24.1(79)
Efficacy	lm/W	17	1	7
CRI	CRI	-		
Increment	inch (mm)	3.94(100)		
Max. Length	ft (m)	26.6ft (8.1m)		

Minimum Bend Radius and Bend Orientation



BL Select Neon Flat Select Series bends horizontally
Vertical bend option available on BL Select Neon Side Select Series

Beam Angle

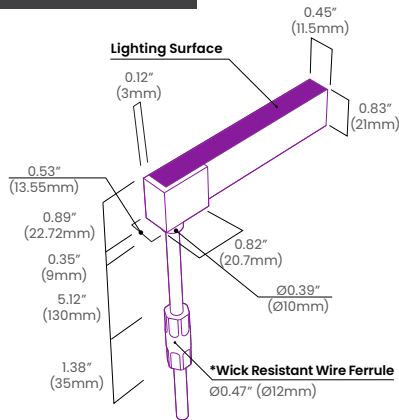


Average Beam Angle (50%): 116.7°

Dimensions & Lead Orientations

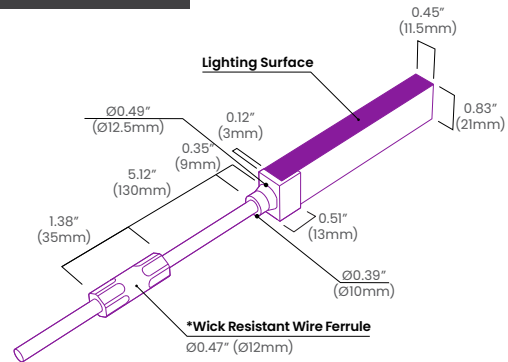
Back Lead

SEN FT BC 68



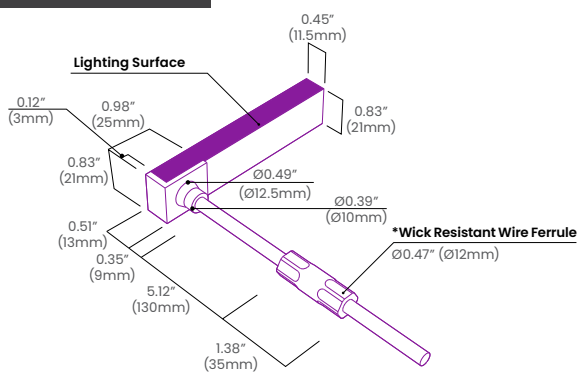
End Lead

SEN FT EC 68

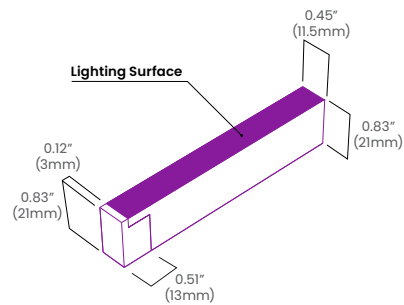


Right Side Lead

SEN FT RC 68



End Cap



**The Wick Resistant Wire Ferrule is built into the lead wire, 5.12\"(130mm) from the BL Select Neon Series Termination Connection, for additional moisture ingress protection. Removal of the Wick Resistant Wire Ferrule may void your warranty.*

