

# Dome Select

BL Select Neon

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



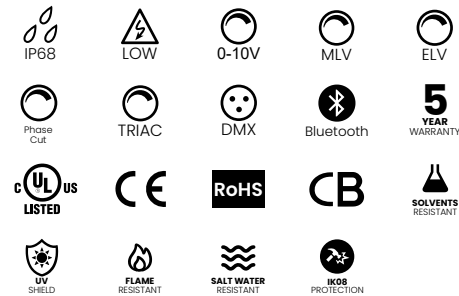
**Dome Select** features a flexible, silicone encapsulated diffuser designed for consistent performance across a wide operating temperature range of -40°F to 131°F (-40°C to 55°C). Its distinctive dome shaped profile, paired with a broad 270° beam angle, delivers up to 158 lm/ft of smooth, uniform, dot-free illumination. With its dome shape, flexibility, durability, and clean light distribution, it provides a reliable solution for professional designers and engineers across a variety of horizontal lighting applications, including building outlines, facades, signage, and exterior architectural accents.

**Dot-free Seamless Connections Wide 270 ° Beam Angle**

**-40°F to 131°F (-40°C to 55°C)**

<b>CLIENT</b>	
<b>PROJECT NAME</b>	
<b>LOCATION</b>	
<b>DATE</b>	

## Product Detail



<b>Lighting</b>	Lamp	LED, SMD 5050
	LED's Per Foot	18 LEDs/ft (60 LEDs/m)
	Beam Angle	270°
	Average Life	50,000 Hours
	CCT Binning	SDCM<3, One Step Binning
<b>Electrical</b>	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)
<b>Mechanical</b>	Circuit	Class 2
	Housing Construction	Injection Moulded White Silicone
	Mounting	Mounting Clips, Mounting Channel
	Weight	0.34 lb/ft, 0.52 kg/m
	Dimensions	W: 0.61" x H: 1.1" (W: 15.5mm x H: 28mm)
<b>Environmental</b>	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
D	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 Series must be confirmed at time of order.

**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](http://bllighting.com) for current technical data.

For more information,  
please download the  
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**BL LIGHTING**  
SINCE 1986

## 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)	103(338)	112(367)	158(519)	134(441)	135(444)	146(478)	128(419)	132(433)	127(418)	133(437)
Efficacy	lm/W	28	31	43	37	37	40	35	36	35	36
CRI	CRI	80+									
Increment	inch (mm)	3.94 (100)									
Max. Length	ft (m)	26.6 ft (8.1m)									

CCT/Color		Green	Blue	Pink
Power	W/FT (W/m)	3.66 (12)		
Lumens	lm/FT (lm/m)	92.4 (303)	9.15 (30)	34.2 (112)
Efficacy	lm/W	25	3	9
CRI	CRI	-		
Increment	inch (mm)	3.94(100)		
Max. Length	ft (m)	26.6 ft (8.1m)		

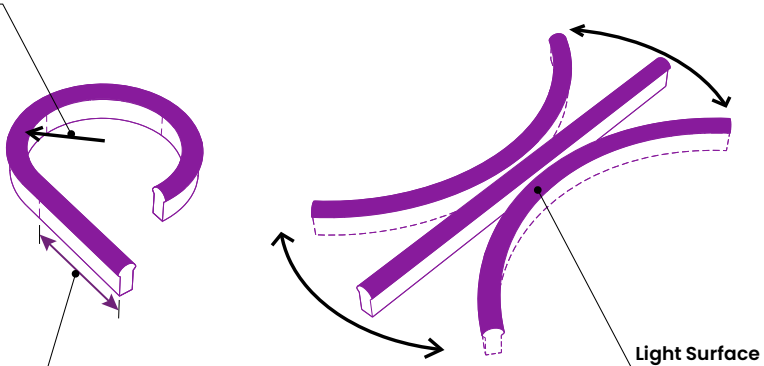
## Minimum Bend Radius and Bend Orientation

### Minimum Bend Radius

1.57" (40mm)

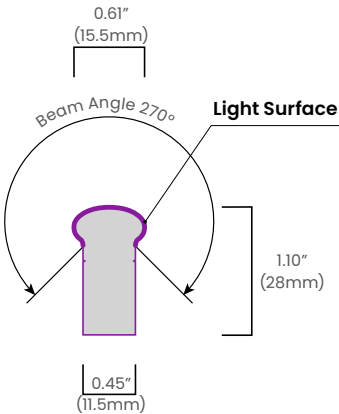
### Cutting Increments

3.94" (100mm)



**BL Select Neon Dome Select series bends horizontally**  
Vertical bend option available on BL Select Neon Side Select Series

## Beam Angle



Average Beam Angle (50%): 165.6°

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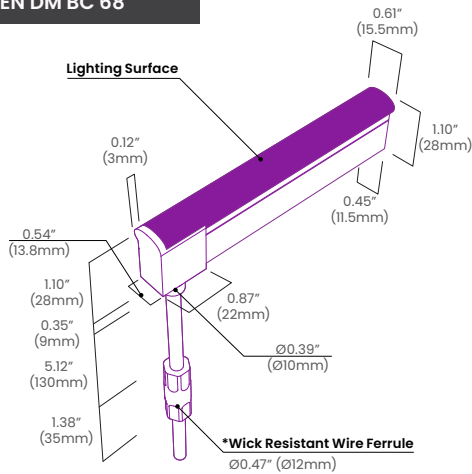
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## Dimensions & Lead Orientations

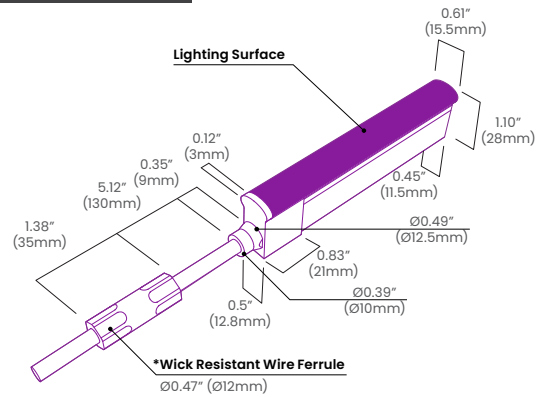
### Back Lead

SEN DM BC 68



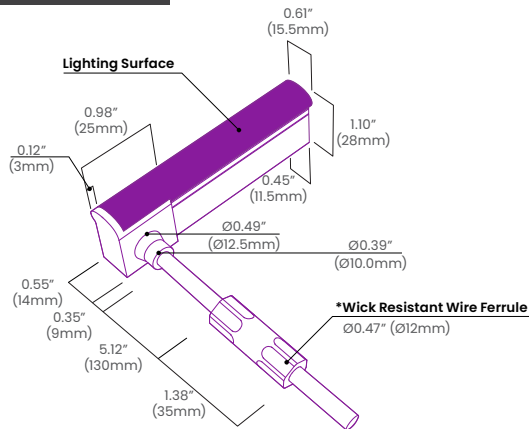
### End Lead

SEN DM EC 68

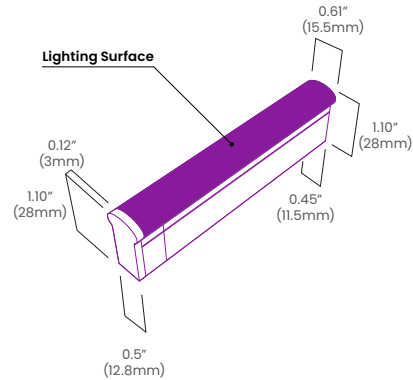


### Right Side Lead

SEN DM 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.

