

Dome Select RGBW

BL Select Neon

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

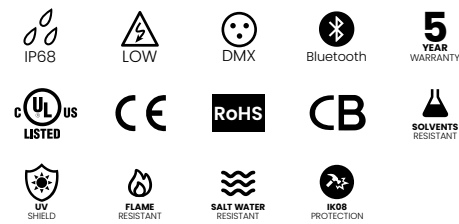


Dome Select RGBW features a fully flexible silicone-encapsulated diffuser and a dome-shaped lens that delivers smooth, uniform illumination up to 82lm/ft. Rated for -40°F to 131°F (-40°C to 55°C) and IP68 waterproof, it combines vibrant RGB color with functional white light. Its horizontal bending design enables creative installation for both indoor and outdoor applications, including coves, shelves, facades, and architectural accents, making it a versatile, energy-efficient 24V solution for decorative and functional lighting.

- Dot-free
- Seamless Connections
- Wide 270 ° Beam Angle
- 40°F to 131°F (-40°C to 55°C)
- Color Changing

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

Product Detail



Lighting	Lamp	LED, SMD 5050
	LED's Per Foot	18LEDs/ft (60LEDs/m)
	Beam Angle	270°
	Average Life	50,000 Hours
Electrical	Controls	DMX, Bluetooth
	Input Voltage	24VDC
	Max Input Current	4.12A
	Connections	5x22AWG Wires
	Power Cable Length	Standard 10ft (3m). Also available in 16ft (5m)
	Circuit	Class 2
Mechanical	Housing Construction	Injection Moulded White Silicone
	Mounting	Mounting Clips, Mounting Channels
	Weight	0.34 lb/ft, 0.52 kg/m
	Dimensions	W: 0.61" x H: 1.1" (W: 15.5mm x H: 28mm)
	Minimum Bend Radius	1.57" (40mm)
Environmental	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

Performance

CCT/Color		Red	Green	Blue	White(3000K)	RGBW(2700K)	RGBW(3000K)	RGBW(4000K)	RGBW(5000K)
Power	W/FT (W/m)	-				5.18 (17)			
Lumens	lm/FT (lm/m)	9 (29)	30 (99)	6 (19)	41 (134)	82 (269)			
Efficacy	lm/W	-				16			
Increment	inch (mm)	-				3.94 (100)			
Max. Length	ft (m)	-				18.7ft (5.7m)			

Ordering

Product Code	Series	Color	Input Voltage	IP Rating
DC	SEN		24	IP68
		RGBW(2700K)		
		RGBW(3000K)		
		RGBW(4000K)		
		RGBW(5000K)		

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



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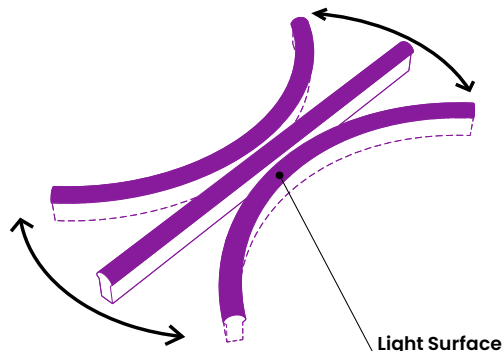
Minimum Bend Radius and Bend Orientation

Minimum Bend Radius

1.57" (40mm)

Cutting Increments

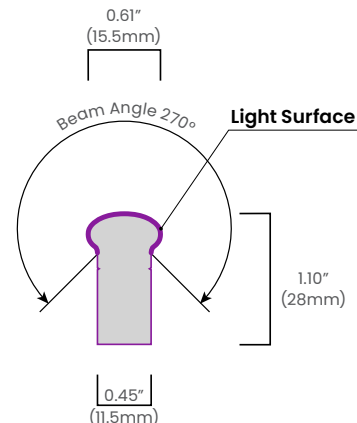
3.94" (100mm)



BL Select Neon Dome Select series bends horizontally

Vertical bend option available on BL Select Neon Side Select Series

Beam Angle

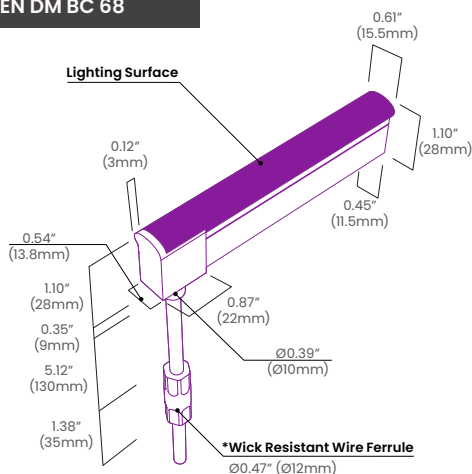


Average Beam Angle (50%): 145.7°

Dimensions & Lead Orientations

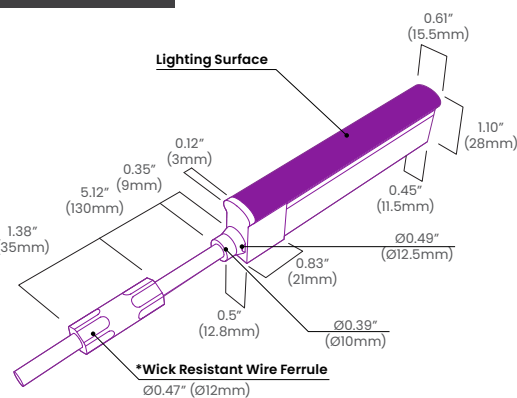
Back Lead

SEN DM BC 68



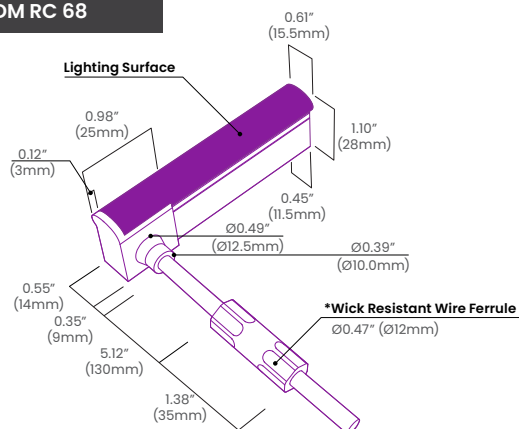
End Lead

SEN DM EC 68

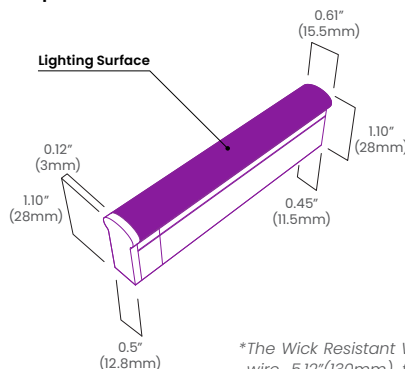


Right Side Lead

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.*

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

