

Dome Select Pixel

BL Select Neon

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



Dome Select Pixel features a fully flexible, silicone-encapsulated diffuser and is rated for -40° F to 131° F (-40° C to 55° C), ensuring durability and reliable performance in indoor and outdoor settings. This lightweight yet robust addressable LED strip delivers precise SPI control of individual RGBW pixels, enabling dynamic motion, chase, and pixel effects beyond standard color changing. Ideal for architectural accents, facades, signage, coves, and decorative installations, it allows a mix of vibrant RGB effects and tunable white lighting. With waterproof construction and flexible design, **Dome Select Pixel** provides long-run reliability, seamless installation, and versatile, high-performance illumination in a durable silicone package.

Dot-free Seamless connections Wide 270 ° Beam Angle

-40°F to 131°F (-40°C to 55°C) Color Chasing

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

Product Detail



Lighting	Lamp	LED, SMD 5050
	LED's Per Foot	17 LEDs/ft (56 LEDs/m)
	Beam Angle	270°
	Average Life	50,000 Hours
Electrical	Controls	DMX
	Input Voltage	24VDC
	Max Input Current	4.12A
	Connections	3X20AWG Wires
Mechanical	Power Cable Length	Standard 10ft (3m). Also available in 16ft (5m)
	Circuit	Class 2
	Housing Construction	Injection Moulded White Silicone
	Mounting	Mounting Clips, Mounting Channels
	Dimensions	W: 0.61" x H: 1.1" (W: 15.5mm x H: 28mm)
	Weight	0.34lb/ft, 0.52kg/m
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

Performance

CCT/Color		Red	Green	Blue	RGBW(2700K)	RGBW(3000K)	RGBW(4000K)	RGBW(5000K)
Power	W/FT (W/m)	-			4.57 (15)			
Lumens	lm/FT (lm/m)	9.15(30)	28(92)	5.49(18)	69.8(229)			
Efficacy	lm/W	-			15			
Increment	inch (mm)	-			4.92 (125)			
Max. Length	ft (m)	-			21.3ft (6.5m)			

Ordering

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

Note:
Lengths, Lead Orientations & Mounting Accessories for
BL Select Neon 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
Copyright © BL INNOVATIVE LIGHTING. All Rights Reserved.

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



Dome Select Pixel

BL Select Neon

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



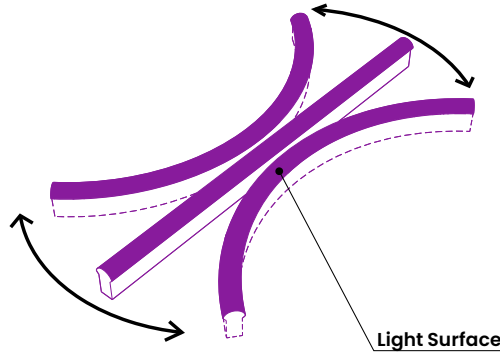
Minimum Bend Radius and Bend Orientation

Minimum Bend Radius

1.57" (40mm)

Cutting Increments

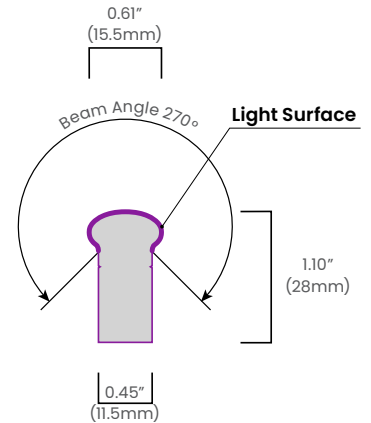
4.92" (125mm)



BL Select Neon Dome Select series bends horizontally

Vertical bend option available on BL Select Neon Side Select Series

Beam Angle

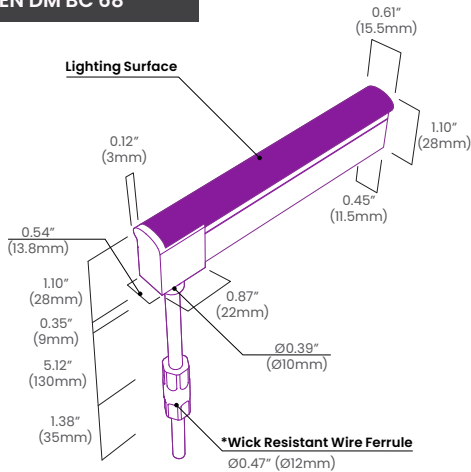


Average Beam Angle (50%), 3000K: 145.8°

Dimensions & Lead Orientations

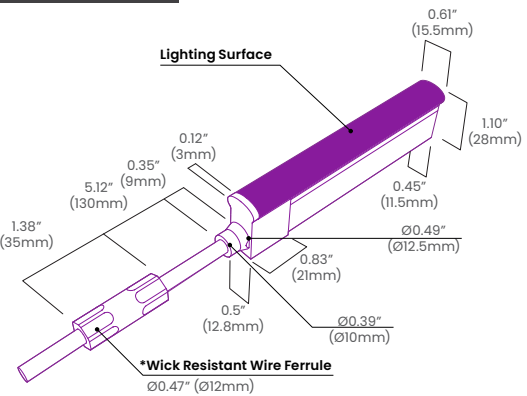
Back Lead

SEN DM BC 68



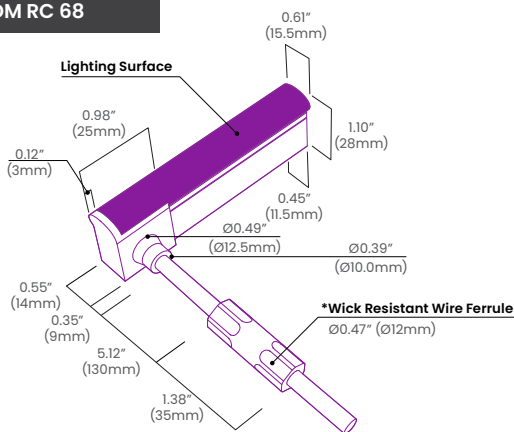
End Lead

SEN DM EC 68

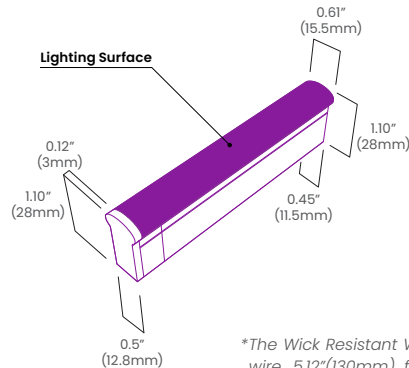


Right Side Lead

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

111 - 8838 Heather St. Vancouver, BC, Canada. V6P 3S8
P: 1-604-874-4405 E: info@bllighting.com
Copyright © BL INNOVATIVE LIGHTING. All Rights Reserved.

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

